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THE BEHAVIOR OF PRICES

By
FREDERICK C. MILLS

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NATIONAL BUREAU OF ECONOMIC RESEARCH

INCORPORATED

With a Foreword by

EDWIN F. GAY and WESLEY C. MITCHELL

Directors of Research

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FOREWORD

Among the publications of the National Bureau of Economic Research, this work stands in a rather special category. The previous studies of the National Bureau, we may hope, have extended the frontiers of knowledge, but this undertaking more decidedly than its predecessors, opens new paths. On such a scale, it is the pioneer effort, to explore, with all available statistical instruments, the recesses of the labyrinth of prices. It will not only furnish clues and new starting-points for further explorations, but, long after its immediate initiative has had its effect, we believe that it will remain a signal achievement in the history of scientific research.

With all its special individual significance, this investigation belongs not only in method and spirit but also in its inception to the same family in which are ranged the related studies of the National Bureau. It lies close to the work on business cycles which is one of the chief concerns of this group of economists. The analysis of the recurrent fluctuations of business activity led directly to a close examination not only of one important aspect of price relationships but of the whole system of prices and its internal structure. The directors of research of the National Bureau, nearly three years ago, were considering the attractions and the difficulties of the wider problem when they learned that among the few well-equipped statisticians who had already initiated research in this little-explored field was Dr. Frederick C. Mills of Columbia University. The National Bureau promptly offered him its facilities, and this notable volume is the first fruit of that collaboration.

The attentive reader of the following pages—and they are obviously addressed to that distinguished person—will perceive that Dr. Mills has progressed logically and methodically, from section to section and chapter to chapter. So far, therefore, as this first volume pursues the analysis of price relationships, it is a unified whole; but it is, nevertheless, only a finished portion of what has been planned and is now proceeding. It needs to be supplemented by the examination of certain important component elements of the price system and their relationships—

problems with which a second volume will deal. For the sake of the rounded presentation of the subject there might have been some advantages in postponing the publication of the four chapters herewith presented until the work on the second volume had been completed. Both practical and scientific considerations, however, outweighted the aesthetic argument. The work of the National Bureau is continuous and its publications on national income and business cycles are already of a serial character. The comment and criticism which each publication enjoys from members of the staff and from the Directors of the organization are reenforced from the wider scientific public. It is a reciprocal service which a body of investigators owes and receives.

The attentive and inquiring reader may also look to the second volume for some marshalling and review of the evidence here gathered for or against the provisional working hypothesis which underlies this work, namely that, despite the apparent haphazard variability of relationships, there is in fact an orderly universe of prices, in which there prevail discoverable "laws." In the present state of the science, certitude is not attainable; but the present installment of the inquiry opens new glimpses of regularities of trends in time and space which both justify the effort and act as spur to fresh endeavor. It is clear that this generation of scientific observers in the social sciences must operate with a measured or measurable base-line which is too short in time and too narrow in content, and this is particularly true of the statistical material, covering only wholesale prices for a few recent decades, which is available for this study. But it is worth while to make a serious beginning, and this Dr. Mills has done.

> Edwin F. Gay, Wesley C. Mitchell,

> > Directors of Research.

RESOLUTION

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- 1—The object of the Bureau is to ascertain and to present to the public important economic facts and the interpretation thereof in a scientific and impartial manner, free from bias and propaganda. The Board of Directors is charged with the responsibility of ensuring and guaranteeing to the public that the work of the Bureau is carried out in strict conformity with this object.
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- 8—A copy of this memorandum shall, unless otherwise determined by the Board, be printed in each copy of every work published by the Bureau.

Adopted Oct. 25, 1926.

ACKNOWLEDGMENTS

In the conduct of this investigation I have received counsel and criticism from all the members of the Research Staff of the National Bureau. The Directors of Research, in particular, have given me generous aid at all stages of the study. I am indebted to Dr. Henry Schultz, of the University of Chicago, for a critical reading of the manuscript and for suggestions on specific points. The United States Bureau of Labor Statistics, through Commissioner Ethelbert Stewart, has responded cordially to many requests for information from its files and has made possible the publication of the detailed descriptions of price quotations which are given in Appendix Table I. Sincere thanks are due, finally, to Miss Maude Remey and Miss Mildred Uhrbrock, my assistants in all the major tasks of this enterprise.

Frederick C. Mills.

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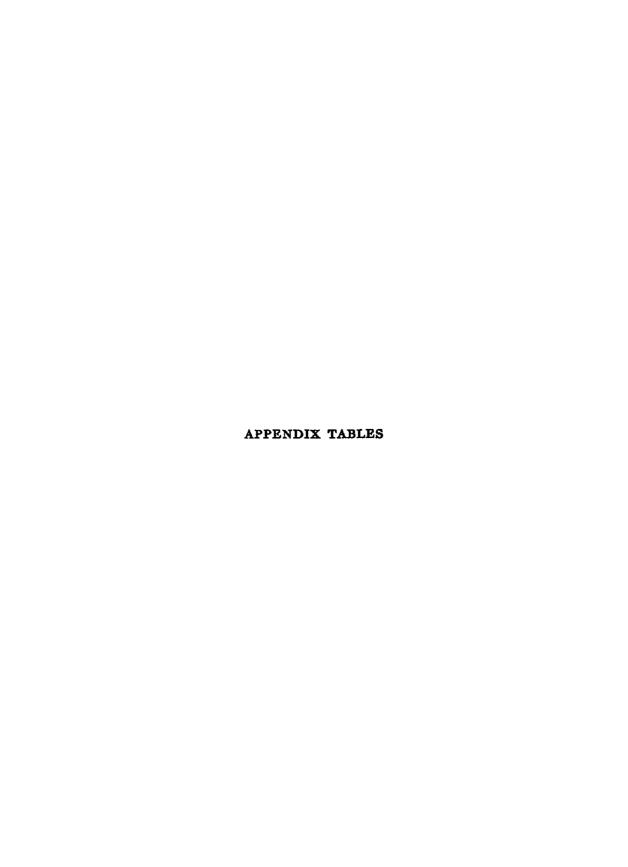


TABLE I DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.1

(1) Ref.		(2) (3) Commodity Description Sou	(4) Source of price				bers an	truction x num- d other	
No.1				quotation			type of transaction)		
_	1	Barley	"By Sample" malt- ing	Daily Trade Bulle- tin (Commercial) Tuesday Edition	Chicago	M W	Range of cash sales on Tuesday, Chicago Board of Trade.		20
81.1	2	Cora	Cash, contract grades	do	Chicago	M W	do do	100	40
	3 4	Corn Oats	Cash, No.3, mixed Cash, No.2, white	do do	do do	M W M W	do Range of cash sales on Tuesday, Chicago		60
5	5	Rye	No. 2 cash	do	do		Board of Trade (III. Proportional Billing) Range of cash sales	50	50
							on Tuesday, Chicago Board of Trade.		30

¹ This table was prepared at the request of the National Bureau of Economic Research by Mr. Charles A. Bell, chief of the division of prices of the United States Bureau of Labor Statistics. Permission to publish the table has been courteously extended by Dr. Ethelbert Stewart, Commissioner of Labor Statistics.

The entries in the various columns relate to the 1926 price quotations. These descriptions apply to prices for earlier years except where grade, market or type of quotation has been changed. Major changes in these respects are indicated in the wholesale price bulletins of the Bureau of Labor Statistics. The gaps in the order of these reference numbers represent commodities excluded from the present study because the data relating to them did not cover sufficiently long periods of time.

^{###} The symbols in column (6), showing the derivation of the published figures, have the following meanings:

MD: monthly average of daily quotations.

MW: monthly average of weekly quotations.

FM: first of month quotations.

Weights relating to the period 1902-1913 only are marked by asteriaks; all other weights relate to both periods (1890-1902, 1902-1913),

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

	<u></u>							 =
(1) Ref. No.	(2)	(3) Description	(4) Source of price	(5) Market		(7) Nature of price (or	bers an	truction x num- d other
			quotation		of publishe figure	d type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
6	Wheat	No. 1, northern	do	do	MW	do	300	40
7	Wheat	spring, cash No. 2, red winter	_	_		_		
8	Wheat	No. 2, ordinary hard winter cash	do Kansas City Star	do Kansas City	M W M W.	do Range of cash sales		100
9	Wheat	No. 1, northern spring cash	Wednesday Edition Daily Market Record. Tuesday Edition.	Minneapolis	M W	on Tuesday. Range of "official closing" cash prices.		40
10	Wheat	No. 1, hard white, cash	Reported by former Federal Grain Super- visor.	Portland, Ore.	M W	Average price on Tuesday.		20
13	Cattle	Steers, choice to prime, heavy beeves, corn fed	Chicago Daily Dro-	do	MW	Price paid by slaugh- terer to commission man acting for pro- ducer.	150	150
14	Cattle	Steers, good to choice, corn fed	do	do	M W	do	250	250
15	Hogs	Heavy, range of fair to choice, heavy	·		***		250	===
16	Hogs	butchers Light, range of fair to	do	do	M W	do	100	100
10	LTORE	choice, light butchers		do	MW	đo	200	200

17	Sheep	Ewes, native, all grades, fair to best,			1	<u> </u>		1
40	9 1	range	i do	do	MW	do	10	5
18	Sheep	Lambs western range lambs, medium						
19	Sheep	to good, range Wethers, fed	do	do	M W	do		30
.,	Бпеер	Wethers, poor to						
20	Poultry	best, range Live fowls, small	do Daily Trade Bulletin	do Chicago	M W M W	do Range of prices paid	30	5
	j	hens to heavy fat as- sorted (general run)	(Produce section)			by wholesale dealer on Tuesday.		20
21	Poultry	Live fowls, medium	N. Y. Journal of		мw	Range of prices paid		20
		(freight or express)	Commerce and Com- mercial Bulletin.		ļ	by wholesale dealer on Tuesday.		20
			(Wednesday Edition)		ŀ			
22	Beans	Medium, choice, Pea		do	мw	Range of prices paid		
		Bean				by jobber on Tues-	20	20
23	Clover seed	Contract grades, red clover, good, spot		Chicago	MD	Daily quotations on wholesale market.		3
24	Cotton	Middling,	Times Picayune	New Orleans	M W	Closing quotation on		3
		apot price	(Wednesday Edition)		ļ	New Orleans Cotton exchange (Tuesday)		250.
25	Cotton	Middling, upland, spot price	N. Y. Journal of Commerce and Com-		MW	Closing quotation on N. Y. Cotton Ex-		
		abor brice	mercial Bulletin			change (Tuesday).	400	150
			(Wednesday Edition)					
26	Cottonseed	Basic prime	U. S. Dept. of Agri-	Average price at gin in producing		Price paid to pro- ducer at gin.		50
0.5	TD	T2: 4		area				30
27	Eggs	Firsts, western	Weekly Market Re- port of the Boston	Boston	M W	Price paid by whole- isale dealer.		10
İ			Chamber of Com- merce					
				<u> </u>				

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref.	(2) Commodity		(4) Source of price			(7) Nature of price (or	bers and measures	truction k num- d other
No.			quotation		of published figure		1890- 1913 or 1902- 1913	1913- 1926
28	Eggs	Firsts, fresh, spot market (Monday quota- tion)	Chicago Dairy Produce	Chicago	MW	Range of price paid by wholesaler on Chicago Mercantile Exchange.		30
29	Eggs	Extra firsts, fresh	Cincinnati Chamber of Commerce	Cincinnati	MW	Range of prices paid by wholesale dealer on Tuesday.		3
30	Eggs	Candled, Louisiana, at the mark	Times Picayune. (Wednesday Edition)	New Orleans	M W	Range of jobbers' prices to retailers on Tuesday.		2
31	Eggs	Firsts,fresh gathered	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	MW	Range of prices paid by wholesale dealer on Tuesday.	100	40
32	Eggs	Extra firsts, western	Commercial List and Maritime Register	Philadelphia	M W	Range of prices paid by wholesaler on Produce Exchange		40
33	Eggs	Fresh, selected pul- lets	Pacific Dairy Re- view	San Francisco	M W	on Friday. Closing price on Wholesale Dairy Pro- duce Exchange on Thursday.	}	10 5

34	Flasseed	No. 1	Daily Market Re-	Minneapolis	MW	Range of "official closing" cash price.	20	20	
35	Нау	Alfalfa, No. 1	(Tuesday Edition) Price Current-Grain Reporter	Kansas City	M W	Range of prices in wholesale market on	20	50	
36	Нау	Clover mixed, No. 1	do	Cincinnati	M W	Saturday. Range of prices in wholesale market on			
37	Hay	Timothy, No. 1	do	Chicago	M W	Tuesday. Range of prices in wholesale market on	i	20	
38	Hides	Country, calfskins, No. 1, 8 to 15 pounds	Shoe and Leather Reporter	do	M W	Monday. Range of prices to tanners in car lots on	100	30	
40	Hides	Goatskins, Brazilian, dry weight, first se-		New York	M W	Wednesday. Range of importers prices at New York		10	
41	Hides	lection Green, salted, heavy;	do	Chicago	M W	on Wednesday Range of price to tanners in car lots on		40	APP
42	Hides	country cows, No. 1, 60 pounds and up Green, salted, pack-				Wednesday		10	APPENDIX
43	Hides	ers'; heavy native steers. Green, salted, pack- ers'; heavy Texas	do	do	MW	. do	100	20	×
44	Норв	steers Prime to choice,	do N. Y. Journal of Commerce and Com-	do New York	M W M W	do Range of prices paid by brewers on Tues-		20	
	_	New York State	mercial Bulletin (WednesdayEdition)			day	5	1	
45	Норв	Prime to choice, Pacific Coast	Morning Oregonian (WednesdayEdition)	Portland, Ore.	MW	Range of prices paid by brewers on Tues- day		1	
46	Milk	Fresh, 3.5 per cent milk	Milk News	Chicago	MD	Price per quart (computed from 8- gallon can) deliver-			
						ed on Chicago plat- form		60	447

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TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref. No.	(2) Commodity	(3) Description	(4) Source of price	(5) Market	(6) Derivation	(7) Nature of price (or type of transaction)	(8) Weights the cons of inde bers an measure	truction x num- d other
			dnorsvort	figure		type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
47	Milk	Fresh, 3.7 per cent milk	Dairymen's League Cooperative Asso.	New York	M D	Price per quart (computed from 40- quart can) delivered in N. Y. from 150-		100
48	Milk	Fresh, 3.6 per cent milk	State Dairy Super- visor	San Francisco	MD	160 mile zone Price per quart (computed from gal- lon price) delivered		20
49	Onions	Fresh, yellow varie- ties (or yellow and red)	Daily Trade Bulletin (Produce section)	Chicago	M W	in San Francisco Range of prices paid by wholesale dealer		5
50	Peanuts	No. 1 grade	Tuesday Edition Virginian Pilot (Wednesday Edition)	Norfolk, Va.	MW	on Tuesday Range of wholesale prices on Tuesday		10
51	Potatoes	White, good to choice, bulk	Daily Trade Bulletin (Produce section)	Chicago	MW	Range of prices paid by wholesaler on Tuesday	50	50 -
52	Potatoes	Sweet, Jersey, No. 1, per 5/8 bushel basket	Tuesday Edition Commercial List & Maritime Register	Philadelphia	MW	Range of prices paid by wholesaler on Produce Exchange on Friday		5

53	Rice	Honduras, head, clean, medium to	(Wednesday	New Orleans	M	W	Range of prices from mills to jobbers on	00	20
	.	choice	Edition) State Commissioner	Kentucky	м	D	Tuesday Average warehouse	20	20
54	Tobacco	house sales	of Agriculture	Kentucky	IVA.	ט	price in State of		
			-		Į		Kentucky		130
55	Tobacco	Burley, dark red,	Western Tobacco	Louisville	M	W	Range of Official		
		good leaf	Journal	-	l		quotations on Louis-		
		ł			ì		ville Tobacco Ex- change on Saturday		
56	Wool	Domestic, Ohio,	"Jobber"	Boston	M M	D	Average jobber's		
30	17 001	grease basis, fine		203101	^**	~	price to manufactur-	80	60
		clothing					er		
		(iormerly reduced to							
		scoured basis.)		do	м	ъ	do		20
57	Wool	Domestic, Ohio, grease, basis, fine de-	do	αo	1/1	ע	μαυ	1	20
		grease, Dasas, me de-							
		(Formerly reduced to							
		scoured basis)	_		۔۔ ا				
58	Wool	Domestic, Ohio,	do	do	M	D	do		20
		grease basis, half- blood			ŀ				
		(Formerly reduced.					•		
		to scoured basis)			ł				
59	Wool	Domestic, Ohio, me-			ļ				
		dium (½ and ¾ grades)	,	ا.	м	ъ	do	40	20
		grades) grease basis (former-	do	do	Į IVI	ע	l ao	40	20
		lly reduced to scour-			ŀ				
		ed basis)							
60	Beef	Fresh, carcass, good	National Provisioner	Chicago	M	W	Range of prices paid		
		native steers					by jobber to slaugh- terer on Friday		130
61	Beef	Erech steer leins	do	do	M	w	Range of wholesale		130
OI	Dea	Fresh, steer, loins, ends, hips	40	u.	,,	**	price on Friday		
62	Beef	Fresh, steer, ribs,	do	do	M	W	do		
		No. 2	_				, !		
63	Beef	Fresh, steer, rounds,	do	do	M	W	do		
		lNo. 2	J J		ı		1		·

APPENDIX

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS,

	<u> </u>	<u> </u>	<u> </u>	<u>-</u>	1	<u> </u>	1	
(1) Ref.	(2) Commodity	(3) Description	(4) Source of price	(5) Market		(7) Nature of price (or	bers an measure	struction x num- d other
No.			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
64	Beef	Fresh, native sides	N. Y. Journal of Commerce and Com- mercial Bulletin (WednesdayEdition)	New York	M W	Range of price paid by jobber to slaugh- terer on Tuesday	250	120
65	Beef	Fresh, loins, No. 2, city	National Provisioner	do	M W	Range of wholesale price on Friday		
66	Beef	Fresh, ribs, No. 2, city	do	do	M W	do		
67	Beef	Fresh, rounds, No. 2,	do	do	M W	do		
68	Beef ·	Salt, extra mess	New York Produce Exchange	do	M W	Range of price paid to packer by expor- ter on Tuesday		5
69	Hams	Smoked, loose	Daily Trade Bulletin (Commercial section) Tuesday Edition.	Chicago	M W	Range of packers' price on Tuesday	100	100
70	Lamb	Dressed, medium	National Provisioner	do	MW	Range of price paid by jobber to slaugh- terer on Friday		25
71	Mutton	Dressed	N. Y. Journal of Commerce and Com- mercial Bulletin (WednesdayEdition)	New York	MW	Range of price paid by jobber to slaugh- terer on Tuesday	10	10

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73 74	Pork Pork Pork	pounds average Fresh, loins, western, 10 to 12 pounds aver- age Cured, salt, mess	New York Produce Exchange Daily Trade Bulletin (Commercial sec-	Chicago New York do Chicago	M W M W M W	Range of wholesale price on Friday do Range of price paid to packer by exporter on Tuesday Range of packers' price on Tuesday	60	30 30 60 30
76	 Pork	Cured, short clear	tion) Tuesday Edition.					
	Poultry	sides Dressed fowls, iced, scalded fowls, heavy	do Daily Trade Bulletin (Produce section)	do do	M W M W	do Range of wholesal- ers' price on Tues-	30	30 20
78	Poultry	hens Dressed fowls, west- ern dry packed 12 to box, 48-54 pounds to doz., corn fed	Tuesday Edition N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	· MW	do		25
79	Veal	Fresh, good, hide on	National Provisioner	Chicago	MW	Range of wholesale	i	40
80	Butter	Creamery, extra	Weekly Market Report of Boston Chamber of Commerce	Boston	MW	Range of prices paid by wholesale dealers on Wednesday		5
	Butter Butter	Creamery, firsts Creamery, seconds	do Weekly Market Re-	do Boston	M W M W	do Range of prices paid		15
02	Duver	1	port of Boston Cham- ber of Commerce	DOROIL	144 AA	by wholesale dealers on Wednesday	İ	2
83	Butter	Creamery, extra,	Chicago Dairy Prod- uce	Chicago	M W	Range of prices paid by wholesaler on Chicago Mercantile Exchange on Mon- day		10
	<u> </u>				1			

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Tuest	(2)	(3)	(4)	(5)	(6)	(7)	the cons of inde bers an	Weights used in the construction of index num- pers and other	
Ref. No.	Commodity	Description	Source of price quotation	Market	Derivation of published figure	Nature of price (or type of transaction)	1890- 1913 or 1902- 1913	1913- 1926	
84	Butter	Creamery, extra firsts spot market, 91 score	do	do	M W	Range of prices paid by wholesaler on Chicago Mercantile Exchange on Satur- day		40	
85	Butter	Creamery firsts spot market	do	do	M W	do		5	
86	Butter	Creamery as to score	Cincinnati Chamber of Commerce	Cincinnati	ì	Range of prices paid by wholesale dealer on Tuesday		3	
87	Butter	Creamery, fancy	Times Picayune (Wednesday Edition)	New Orleans	M W	Range of prices paid to jobbers by retail- ers on Tuesday		2	
	Butter Butter	Creamery, choice Creamery, extra, 92 score	do N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday edition)	do New York	M W M W	do Range of prices paid by wholesale dealer on Tuesday	60	5 10	
90	Butter	Creamery, firsts, 88 to 91 score	do	do	MW	do	40	30	
91	Butter	Creamery, seconds, 84 to 87 score	do	do	MW	do	!	5	

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92	Butter	Creamery, extra, 92 score	Commercial List and Maritime Register	Philadelphia	M W	Range of prices paid by wholesaler on Produce Exchange		4
93	Butter	Creamery, extra firsts, 91 score	do	đo	M W	on Friday do		10
94	Butter	Creamery, firsts,	do	do	M W	do		1
95	Butter	88 to 90 score Creamery, extra	St. Louis Globe Democrat Saturday Edition	St. Louis	M W	Range of prices paid by wholesale dealer on Friday	60	5
96	Butter	Creamery, extra	Pacific Dairy Re- view	San Francisco	M W	Closing price on wholesale Dairy Produce Exchange on Thursday		3
	Butter Cheese	Creamery, firsts Whole milk, Ameri- can twins	do Daily Trade Bulletin (Produce section)	do Chicago	M W M W	do Range of prices paid by wholesale dealer on Tuesday		5 20
99	Cheese	Whole milk, flats colored, average	Tuesday Edition. N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	MW	Range of prices paid by wholesale dealer on Tuesday	30	6
100	Cheese	California flats, fancy	Pacific Dairy Review	San Francisco	мw	Closing price on wholesale Dairy Pro- duce Exchange on		4
101	Milk	ened in case of 48	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	M W	Thursday Range of wholesale price to jobbers on Tuesday		30
102	Milk	Evaporated, in case of 48 16-oz tins		do	MW	do	·	40
103	Bread	Loaf, pound, before baking		Chicago	15th. of month	Bakers' price to re- tailer		60
104	Bread	Loaf, pound, before baking	do	Cincinnati	do	do	80	10

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

						<u> </u>		
(1) Ref. No.	(2) Commodity	(3) Description	(4) Source of price	(5) Market	(6) Derivation	(7) Nature of price (or	the consoling the consoling the constant of th	
140.			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
105	Bread	Loaf, pound, before						
106	Bread	baking Loaf, pound, before	do Baker	New Orleans New York	do 15th, of	do Bakers' price to re-		5
107	Bread	baking Loaf, pound, before baking	l i	San Francisco	month. 15th. of month.	tailer do	120	110 10
108	Cocoa beans	Arriba, Range of Seasons and Red	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	M W	Range of prices paid to importers by manufacturers on Tuesday		10
109	Coffee	Rio, No. 7, invoice lots, Brazil grades	do	do	MW	Range of prices paid to importers by job- bers and roasters on Tuesday	40	40
110	Copra		Oil, Paint and Drug Reporter.	do	MW	Importers' price on		3
	Crackers Crackers	Oyster, dot Soda, plain	Jobber do	do do	F M F M	Saturday Jobbers' price		3
	Cod	Large shore (pickled, cured)		Gloucester	FM	do Price to wholesaler	3	
114	Herring	Newfoundland,split, large, No. 1	ĺ	New York		or jobber Dropped from com- pilation since 1924		3

	Mackerel Salmon	Salt, large, No. 3s	Fishery Company N. Y. Journal of	. Boston Cannery	F M M W	Price to wholesaler Range of canner's	1	1
110	SHIMON	No. 1 talls	Commerce and Com- cial Bulletin (Wednesday Edition)	Comery	12 17	price to jobber on Tuesday	20	20
117	Flour	Rye, white	Northwestern Miller	Minneapolis	M W	Range of millers' net price to jobber in car lots on Tuesday	5	5
118	Flour	Wheat, winter patents, hard	do	Kansas City	M W	Range of millers' net price to jobber in car lots—cotton or jute bags—on Saturday		80
						FOB K. C.		
119	Flour	Wheat, winter	,			<i>i</i> .	100	20
100	T	straights, hard	do Northwestern Miller	do Minneapolis	M W M W	do Range of miller's net		20
120	Flour	Wheat, standard	Morniwestern Miller	Minneshous	147 44	price to jobbers in		
		parenta				car lots, 98lb. cotton sacks, on Tuesday. FOB Minn.		100
121	Flour	Wheat, second	_			_		
400	700	patent	do Miller	do Portland, Ore.	M W M D	do Millers' net price to		30
122	Flour	Wheat, patents	Miller	roruand, Ore.	W D	car lot buyers in 1981b. sacks		30
123	Flour	, -	Northwestern Miller	St. Louis	MW	Range of millers' net price to jobber in car lots—cotton or jute bags—on Saturday		20
124	Flour	Wheat, straights, from soft wheat				, ,		40
125	Flour	from soft wheat Wheat, patent from		do	MW	do		10
123	FIOUR	soft winter wheat	do	Toledo	MW	do		10
126	Fruit	Canned, peaches,	N. Y. Journal of	Cannery	MW	Range of canners'		
		standard, 21/2 Cali- fornia	Commerce and Com- mercial Bulletin (Wednesday Edition)	·		price to jobber on Tuesday		10
	J	<u> </u>	ı		ŀ	<u> </u>	-	<u> </u>

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) Weights	(9)
Ref. No.	Commodity	Description	Source of price	Market		Nature of price (or	the cons of inde bers an measure	struction x num- d other
110.			quotation		figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
127	Fruit	Canned pineapples, Hawaiian sliced, standard, 2½	do	New York	M W	Range of wholesale price on Tuesday		10
128	Apples	Evaporated, choice, domestic dried, state,	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	M W	Range of price to jobbers on Tuesday	2	2
129	Currants	Cleaned, Patras, 10	do	do	M W	do	1	,
130	Prunes	California in boxes,	40	ao	474 17	40	•	*
		60-70s. in 25 pound boxes	qo	do	M W	do	10	10
131	Raisins	California, coast, seeded in bulk, boxes	do	do	M W	do	10	10
132	Apples	Baldwin, fresh	Daily Trade Bulletin (Produce section) Tuesday Edition	Chicago	MW	Range of prices paid by wholesale dealer on Tuesday		50
133	Bananas	Jamaica 9s, ex. dock	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	MW	Range of price to jobbers on Tuesday		30

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13 4	Lemons	California, choice or	Daily Trade Bulletin (Produce Section) Tuesday Edition	Chicago	M '	W	Range of prices paid by wholesale dealer on Tuesday		10
135	Oranges	California, Navels and Valencias, choice 126-200 count	ďo	do	M	W	do		40
136	Glucose		N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	M		Price made by pro- ducer to manufac- turer on Tuesday	10*	10
137	Hominy grits	White	Miller	FOB Mill	M	• •	Millers' price to deal- ers on Tuesday		2
138	Lard		New York Produce Exchange	New York	M	W	Range of price on produce exchange on Tuesday	50	50
139	Meal	Corn, fine white, f.	Miller	FOB Mill	M	W	Millers' price to deal- ers on Tuesday	10	10
140	Meal	Corn, yellow table,	Commercial List and Maritime Register	Philadelphia	M	W	Range of price paid by wholesaler on Produce Exchange	10	10
141	Molasses	New Orleans, fancy	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	M		Produce Exchange on Friday Price to manufactu- rer by distributor and baker on Tues- day	10	10
142	Oatmeal	Car load lots, delivered in 90 pound sacks, spot	do	do	M	• •	Range of millers' price to jobber on Tuesday		10
143	Oleomargarine	Standard, uncolored,	National Provisioner	Chicago	M '	W	Net wholesale price in Chicago on Friday		20
144	Oleo oil	Extra	do	do	M	W	Producers price to manufacturer— range		5
145	Pepper		N. Y. Journal of Commerce and Com- mercial Bulletin	New York	M	W	Importers' price to jobber and manufac- turer Range		1

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TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref. No.	(2) Commodity	(3) Description	(4) Source of price	(5) Market		Nature of price (or	bers an measure	truction x num- d other
			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
146	Salt	American, 4 medium	Manufacturer	Chicago	F M	Manufacturers' price	40	40
148	Starch	Corn, sunbeam, 48	Jobber	New York	F M	to wholesaler Jobber's price	***	***
149	Sugar	Raw. 96 degree cen-	Weekly Statistical Sugar Trade Journal	do	M W	Importers' price to refiner on Thursday	100	100
150	Sugar	Granulated, in bar-	do	do	M W	Refiners' price to		150
151	Tallow		National Provisioner	Chicago	MW	Producers' price to jobber on Friday		130
152	Теа	Formosa, fine	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	MW	Range of importers' price to jobber on Tuesday	10	10
153	Corn	Canned, No. 2, Maryland standard	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednosday Edition)	Cannery	MW	Canners' price to jobber on Tuesday		10
154	Peas	Canned, Western, No. 5, sieve, fancy, sweets		do	MW	do		10

155	Tomatoes	Canned, standard	7-11	New York	FM	Jobbers' price		10	
156	Cocoanut Oil	New Jersey No. 3	Jobber Oil, Paint and Drug		МW	Importers' price to		10	
130	Cocoanui On	Cochin grade	Reporter	TICH TOLK	''	manufacturer on		10	
		Cocimi Prago	Tecpos aci		ł	Saturday			
157	Corn Oil	Crude; in barrels	do	do	MW	Producers' price to		_	
				-		manufacturer on Sat-		3	
400	7.00	0	New York Produce	New York	мw	urday Range of price on			
158	Cottonseed Oil	Summer yellow, prime	Exchange	New LOLK	1 141 44	N. Y. Produce Ex-	40	40	
		hime	Dyctivinge		j	change on Tuesday			
159	Olive Oil	Edible in barrels	Drug and Chemical	New York	MW	Importers' price to		_	
	-		Marketa	ĺ	ŀ	distributor on Wed-		5	
	l		Į į			nesday			
160	Soya Bean Oil	Crude, in barrels	do	do	M W	Jobbers' price on Wednesday		3	
161	Vinegar	Cider, domestic, 40	Jobber	New York	FM	Jobbers' price	10	10	.
101	Аптейят	grain	aonner	TION TOTAL	(- ····	000000 p.100			Ä
162	Boots and shoes	Children's, gun met-	Manufacturer	Factory	M D	Manufacturers' price			APPENDIX
		al, polish, highout,		(New England)		to trade		10	Ħ
		with rubber heel				1			Z
163	Boots and shoes	Little boys,' Gun							D
	,	metal, blucher- whole quarter, size							
		8 to 13½	do	do	мр	do		10	PY
164	Boots and shoes	Misses, black, vici,							
		polish,high-cut, with		_				40	
		rubber heel	do	· do	MD	do		10	
165	Boots and shoes	Youths', gun metal,	do	đo	мр	do		10	
166	Boots and shoes	blucher, sizes 1 to 2 Men's, black, calf,	ao	uο	WLD	40		10	
100	DOORS AND MICES	Goodyear welt, blu-				ļ			
		cher, single, sole,				_			
		solid leather	do	_ do	F M	do	60	20	
167	Boots and shoes	Men's, black, calf,		Factory	MЪ	Manufacturers' price		20	
	ł	Goodyear welt, bal.	do	(Middle west)	עש	to retailer		20	
168	Boots and shoes	whole quarter Men's, black, dress,	\		1			1	
100	DOOR WITH BILOGO	Goodyear welt, side							42
		leather	do	do _	<u> </u> M D	do		10	459

TABLE I (Continued)
DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

							•	
(1) Ref.	(2) Commodity	(3) Description	(4) Source of price	(5) Market		(7) Nature of price (or	the cons of inde bers an measure	x num- d other
No.			quotation	·	of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
169	Boots and shoes	Men's, gun metal, Goodyear welt, blu- cher, cap toe, single sole mat calf top	do	do	M D	do		20
170	Boots and shoes	Men's, mahogany, chrome, side, Good- year welt, bal. single sole, 1-in rubber tap heel	do	do	MD	do		10
171	Boots and shoes	Men's, tan, dress,						
172	Boots and shoes	Goodyear welt, calf Men's, tan, dress,	do Manufacturer	do Factory	M D M D	do Manufacturera' price		20
112	Doors and shoes	Goodyear welt, side		(Middle West)	2	to retailer		10
173	Boots and shoes	Mens, chocolate elk, blucher, ½ double sole, sole leather in- ner sole standard screw fastened	do	Factory (New England)	FM	Manufacturers' price to jobber	25	5
174	Boots and shoes	Men's, black, vici	đo	do	F M	Manufacturers' price		20
175	Boots and shoes	kid Goodyear welt Women's, black, kid	do	Factory	Mр	to trade Manufacturers' price	50	20
		lace, Goodyear welt,		(Middle West)		to retailer		30

176	Boots and shoes	Women's, colored, calf, Goodyear welt,			1				
177	Boots and shoes	lace oxford, single sole, leather heel Women's, McKay sewed, kid, black,	do	do	MD	do		30	
		lace oxford single sole, leather heel	do	[*] do	MD	do	100	20	
178	Boots and shoes	Women's, patent leather pump, Mc-			}				
179	Calico	Kay sewed single sole, Cuban heel American standard prints, 64x60, 7.85 yds. to pound, 28-in.	do do	do Factory	M D M D	do Manufacturer's price to jobber		20	
180	Denims	in the gray Massachusetts, #220 28-in. 2.20 yds to	do	do	MD	Manufacturer's price to clothing manu- facturer	10	10	API
181	Drillings	the pound Brown, Pepperell, 2.85 yds to pound,	do	do	MD	Manufacturer's price to jobber or manu- facturer	10	10	APPENDIX
182	Drillings	width 29 in. 72x48 Brown, Mass. D stan- dard 30-in. 2.85 yds	do	do	MD	Manufacturer's price to jobber	10	10	DIX
183	Flannel	to pound 70x48 Colored, 27 in. 4.20 yd. to the pound	do	do	мр	do	10	10	
184	Flannel	Unbleached, 36 in. 3.20 yd to the pound	do	do	MD	do	10	10	
185	Ginghams	Amoskeag, 27-in. wide, 6.37 yds to to pound	do	do	MD	Manufacturer's price to jobber or manu- facturer	10	10	
186	Ginghams	Lancaster, staple weight 6.50 yd to							
405		pound 26½ in. wide	do	do do	M D M D	do Manufacturer's price	10	10	
187	Hosiery	Men's, combed yarn, fast black, 188 need-	do	ao	***	to jobber	10 (a)	10	
		dles, 17 ounce			<u> </u>	<u> </u>	<u> </u>	<u> </u>	46

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref.	(2)	(3) Description	(4) Source of price	(5) Market	(6) Derivation		bers and	truction num- dother
140.			quotation		figure	type of transaction,	1890 1913 or 1902- 1913	1913- 1926
188	Hosiery	Women's, silk mer- cerized, mock seam, 220 needles, weight 1-lb 5-oz.	do	do	M D	do	15*	15
189	Hosiery	Women's single- thread,combed yarn, mock seam,176 need- les, 1-lb 12-oz.	do	do	MD	do	10 (b)	10
190	Muslin	Bleached, 4-4, Fruit of the Loom	do	do	M D	Manufacturer's price to jobber or whole- saler		5
191	Muslin	Bleached, 4-4, Lons- dale, 26-in. 4.50 yds to pound, bleached wt.	Manufacturer	Factory	мр	Manufacturer's price to jobber	5	. 5
192	Muslin	Bleached, 4-4, Rough Rider	do	do	MD	do	5	5
193	Muslin	Bleached, 4-4, Wam-		,		1	1	_
194	 Percale	sutta nainsook Scout, 64x6038½ in.	do	l do	M D	do Manufacturer's price	5	5
		in the gray	do	do	MD	to jobber or shirt manufacturer		

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405	(TX 1414b	127 in a 64-60 7 601			ſ	Manufacturer's price	1	
195	Print cloths	27 inch, 64x60. 7.60 yds to pound	do	do.	МЪ	to finisher	40	40
196	Sheetings	Brown, 4-4 Indian		1		Manufacturer's price		
	2000	Head, 2.85 yds to	do	do	M D	to jobber	10	10
	ì	pound						
197	Sheetings	Brown, 4-4 Pepperell	1-	ا ا	1 24 75	do	10	10
		R, 3.75 yds to pound 64x64	do	do	MD	do	10	10
198	Sheetings	Brown, 4-4 Ware						
130	опесника	Shoals: Trion L. L.	do	l do	Мр	do	10	10
	İ	4 yds to pound, 56x	40					
		60		1				
199	Thread	6-cord, 200 yd.spools		}				
	i	J & P Coats, 200 yd	•	1	1 22 25	do	20	20
	}	spool computed from	do	do	MD) ao	20	20
200	Underwear	100 yd spool price Men's shirts and						
200	Underwear	drawers, 12-12½ lb.	do	do	FM	l do l		20
		to dozen flat fleece	uo	1				
201	Underwear	Women's union						
		suits, ribbed, 12 lbs	do	do	FM	do l		20
	<u> </u>	to dozen, carded			1	 		
202	Cotton yarns	Carded, white, mule-	3 -	do	мо	Spinner's price to to manufacturer	50	30
		spun, northern, cones,	do	ا هه	MD	to manuacturer	30	00
203	Cotton yarns	Carded, white, mule-]		
203	Согон умиз	spun, northern, cones,	do	do	Мр	· do	50	40
		22/1				†		
204	Cotton yarns	Carded, twisted, or-		_		' .		**
	i	dinary for weaving	do	do	M D	do		10
	~	20/2						
205	Cotton yarns	Carded, twisted, or-	do	do	МЪ	do		20
		dinary for weaving, 40/2	ao	1 40	101 10	40		
206	Flannel	White, 4-4, Ballard			1	Manufacturer's price		
200		Vale, No. 3	do	do	F M	to jobber	1	1
207	Overcosting	Heavy, 30 to 31 oz.	do	do	M D	Manufacturer's price	***	
	_	-1 -1		}	1	to jobber or manu-	20*	20
	<u> </u>	<u> </u>		<u> </u>	<u> </u>	facturer		_ <u></u>

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)	(2)	(3)	(4)	(5)	(6)			truction x num-
Ref.	Commodity	Description	Source of price	Market	Derivation	Nature of price (or	bers an measure	
No.			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
208	Suiting	Serge, 9½ oz., 55-57 in.	do	do	M D	Manufacturer's price to jobber and whole- saler	20*	20
209	Suiting	Clay worsted, diagonal, 16 ounce, 56-58	do	do	M D	do	25*	25
210	Suiting	Middlesex, wool- dyed blue, 16 oz., 55- 56 in.	do	do	F M	Manufacturer's price to jobber	25 (c)	25
211	Suiting	Serge, 11 oz. Fulton Mills, 3192	do	do	M D	Manufacturer's price to wholesaler or job- ber		20
212	Trousering	Cotton warp, worsted filling, 11-oz. width 60 inches	đo	do	M D	Manufacturer's price to jobber	10*	10
213	Underwear	Shirts and drawers, Merino, full-fashion- ed, 60 per cent wool,	do	do	M D	Manufacturer's price to retailer	10	10
214	Underwear	21 gauge Union suits, 33 per cent worsted, 16 lbs to the dozen		go	мр	do	10	10

41 E	Women's dress	All wool, broadcloth	ı r		ı	Manufacturer's price	1		
213	women a creas	154-56 in.	do l	do		to jobber	20	20	e '
216	Women's dress	All wool, French			1				
	goods	serge, 35-in.	do	do	M D	do	10	10	•
217	Women's dress	All Wool storm		1.	1		40	40	
	goods	serge, double warp, 54-inch	do	do	MD	do	10	10	
218	Women's dress	Cotton warp, poplar				1			
	goods	cloth; worsted filling,		do	MD	do	3	3	
	ſ	32 in. discontinued			, "				
	Substitution	Cotton warp and	, ,	•		Manufacturer's price			
		worsted filled serge,- 36 in.	do	do	MD	to jobber or manu- facturer			
219	Women's dress	Cotton warp, Sicil-				Manufacturer's price			
	goods	ian cloth, 50 in.	do	do	M D	to jobber	4	4	
220	Worsted yarns	2-32s. crossbred		_		Manufacturer's price			
		stock, white in skeins	do	~ qo	F M	to weaver	10	10	⊳
221	Worsted yarns	2-40s, half-blood	The Commercial Bulletin	Eastern markets	MW	Range of price on	40	20	79
			Dunean	шигкесв		on Saturday in east- ern markets	40	20	₽.
222	Worsted varns	2-50s, fine domestic	do	do	l mw	do		20	APPENDIX
	Linen shoe thread		Manufacturer	Factory	MD	Manufacturer's price			7
	[to manufacturer	2	2	Ħ
224	Silk		Silk Asso. of America	New York	MD	Price to spinner by		20	×
		filature, extra extra				importer		20	
226	Silk	Raw, Japanese, fila-							
		tures, Kansai, No. 1	Importer	do	F M	do	70	60	
228	Silk	Raw, Japanese, fila-			l	Importers price to		40	
		tures, special, extra,	Importer	New York	FM	spinner	30	20	
229	Silk	extra	Silk Asso. of America	do	MD	Spinner's price to			
22.		gray spun, 60/1	CHA 71550. OI 7141CC1CC	uo	"" "	weaver		10	
230	Silk	Spun yarn, domestic							
	•	gray spun 60/2, No.	do	фo	M D	do		10	
232	Anthracite coal	Dashan didameter	O	New York					
232	Amouracite cost	Broken, tidewater, average sales real-		Tidewater	MD.	Price to jobber	10	10	
		ization		1140 IF WILL	*** **	1 1100 00 100000			
			·						. 本

TABLE I (Continued)!

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) Weights the cons of inde	
Ref. No.	Commodity	Description	Source of price	Market		Nature of price (or	bers an measure	
 			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
233	Anthracite coal	Chestnut, tidewater average sales realization		do	M D	do	100	100
234	Anthracite Coal	Egg, tidewater, average sales realiza-		do	M D	do	50	50
235	Anthracite Coal	Stove, tidewater, average sales real- ization	do	đo	MD	do	70	70
236	Bituminous Coal	Kanawha, run of				Price to wholesaler		
237 238	Bituminous Coal Bituminous Coal	mine New River, mine run Pocahontas, mine	Jobber do	F. O. B. Cincinnati do F. O. B. Norfolk,	FM	and retailer do	100 100	100 100
	İ	run	Sales Agents	Va.	MD	Price to jobber	200	200
239	Coke	Beehive, Connella- ville foundry, range of future and prompt shipment		F. O. B. ovens	MW	Range of price on Wednesday	50	50
	Gasoline	Motor, to garages in steel barrels	Oil, Paint and Drug Reporter	New York	M W	Low price on Satur- day		200
244	Matches	Average of Safe Home, Bird's Eye, and Searchlight	-	Factory	мD	Manufacturer's price to jobber	10	10

	Petroleum	20 to 20.9 degrees	Oil, Paint and Drug Reporter	Wells	M W	Range of price on Saturday		50
246	Petroleum	Crude, Kansas-Okla-		i .	3.4 304			400
	1	homa; 33 to 33.9	do	do	M W	do		100
247	Petroleum	degrees Crude, Pennsylvania	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday	do	M W	Range of price on Tuesday	200	50
248	Petroleum	Refined, for export, New York 110 degrees, fire test,	Edition) Oil, Paint and Drug Reporter	New York	мw	Low price on Satur- day	50	50
249	Petroleum	cargo, bulk Refined, 150 degrees fire test, water white; Pa., f. o. b.	National Petroleum News	Refinery	M W	Low price on Mon- day	80	80
250	Augers		Manufacturers	New York	F M	Price to jobber		
251	Butts	Loose-pin, wrought steel, 3½x3½in. plan-	agents Manufacturers	Factory	M D	do		
252	Chisels	lished and plated Socket firmer, regu- lular, 1 in.	Manufacturers agents	New York	F M	do .		
253	Door knobs	Steel.bronze-plated	Manufacturers	do l	FM	do		
	Files	8 in. mill, bastard						
	<u> </u>	Nicholson	do	Factory	F M	do		
	Hammers	Maydole, No. 11	do	New York	FM	do		
256	Iron Ore	Mesabi, Bessemer 51½ per cent iron	Iron Age	Lower Lake Ports	MW	Price on Tuesday		40
257	Iron Ore	Mesabi, Non-Besse-		TYOMER TWING LOLOS	747 44	Frice on I desday		***
	11011 010	mer 513 per cent	do	do	M W	do		60
258	Locks	iron Common, mortise, knob locks, 3 j -in- ches	Manufacturer	New York	F M	Price to jobber	•	
259	Pig Iron	Basic ·	Iron Age	Valley Furnace	M W	Price on Tuesday	40	40
						1	<u> </u>	

TABLE I (Continued DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref.	(2) Commodity	(3) Description	(4) Source of price	(5) Market		(7) Nature of price (or	the con- of inde bers an measure	(9) s used in struction x num- id other s
No.			quotation		or published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
260	Pig iron	Bessemer	do	Delivered Pittsburgh	м w	do	20	20
261	Pig iron	Foundry, No. 2 nor-		"				4.
262	Pig iron	thern Foundry, No. 2, sou-	do	Pittsburgh	M W	do	20	10
	•	thern, Birmingham	do	Birmingham	MW	do		10
263	Pig iron	Foundry, No. 2, sou- thern, Cincinnati	do	Cincinnati	M W	do		
264	Ferromanganese	British, 80 per cent	do	F. O. B. Atlantic				
265	Spiegeleisen	19 and 21 per cent,		ports	M W	do Range of prices on		10
203	phegerenen	furnace, spot	Iron Age	Furnace	M W	Tuesday		1
266	Bar iron	Best refined, from store	Manufacturer's Agent	Philadelphia	MD	Manufacturer's price to jobber or manu-	5	5
	<u>.</u> .				•	facturer		•
267	Bar iron	From mill, common (Base)	Iron Age	Pittsburgh	M W	Range of prices on Tuesday	5	5
268	Bars	Concrete reinforcing,	Engineering News	Pittsburgh Mill	F M	Range of price near	_	-
		mill, rolled from billets, 3/4 in. and larger	Record			the first of the month		5

269	Naile	Wire, 8 penny, fence		1	1	1		1
		and common (add	Iron Age	Pittsburgh	M W	Price on Tuesday	10	10
	l .	price differential to				1		
		the base price)	1					
270	Pipe ·	Cast-iron, 6 in. class	i	F. O. B.		Range of price on		
		B and heavier	l do	New York	M W	Tuesday in car lots		10
271	Planes	Jack planes, Sargent		{		1		
		No. 414	Manufacturer	New York	F M	Price to jobber		
272	Saws	Crosscut, Disston,		•		· ·		
		No. 2, Champion	l do	Philadelphia	FM	l do		
	i	tooth, 6-foot	j	-		:		
273	Saws	Hand, Disston, No.	[]	1		
	•	8, 26 in. skewback	do	do	FM	do		
274	Shovela	Ames, No. 2-cast			1 .			
		steel, long handle,	do	Factory	M D	do d		
		round point, back						
		strap-black	l		l	L:		
	Steel	Skelp, grooved	Iron Age	Pittsburgh	MW	Price on Tuesday		40
276	Steel	Billets, Bessemer	do	do	M W	qo	80	20
	Steel	Billets, open hearth	do	do	M W	do		60
	Steel	Merchant Bars	do	do	M W	do		50
279	Steel	Plates, tank, 1/2 inch		_	l]		
		thick 6"-100"	do	do	M W	do		60
280	Steel		Iron Trade Review			i		_
	<u> </u>	standard		Mill	MW	Price on Wednesday	30	5
281	Steel	Rails, open-hearth,	_		l	1 . :		
		standard	do	do	M W	do		25
282	Steel	Sheets, box annealed			ļ	l		
		No. 27 one pass, cold		Mill-Pittsburgh		Range of prices on	50 +	70
		rolled U.S. Standard,	Iron Age	District	MW	Tuesday	50*	50
000	la. 1	car lots		Otto .				
283	Steel	Structural; beams,		Chicago	1 34 377	n.t m		
004	a. 1	channels, etc.	do	district mills	MW	Price on Tuesday		
284	Steel	Structural, mill	Engineering News	Pittsburgh	72.34	Range of price near the first of the month		20
		beams, channels,etc., base price 3-15	necora	district mill	FM	tue must of the mouth		30
285	7TY_	Dase price 3-15						
263	Tin	Roofing (terneplate)	T-0- A-0	do	l mw	Price on Threaders		3
	İ	8 lb. I. C. package, 20x28 inch	Iron Age	ao	I in an	Price on Tuesday		3
		20x26 inch						
		1	1	ī	I	1		ı

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)	(2) Commodity	(3) Description	(4) Source of price	(5) Market	(6)		the cons of inde bers an	d other
No.	•		quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
286	Tin	Plate, domestic,coke, f. o. b. Pitteburgh, 14x20 inch	do	Pittsburgh	M W	do	40*	40
	Trowels	Brick, 10½ in., John- son's	Manufacturer	New York	F M	Price to wholesaler or jobber		
	Vises	Solid box, 50 lb.	do	Factory	MD	do		
289	Wire	Fence, barbed, gal- vanized	Iron Age	Chicago district mills	MW	Price on Tuesday	20	10
290	Wire	Fence, plain, anneal-	Hou rige	district miles	177 ''	Range of price on		10
	ļ	ed Nos. 6 to 9	do	Pittsburgh	MW	Tuesday, in car lots to jobbers		10
291	Wood screws	1 in. No. 10 flathead,		37 37 1	1 22 25	7	ļ	
292	Aluminum	iron 98-99 per cent, open	Manufacturer Iron Trade Review	New York do	M D M W	Price to jobber Price on Tuesday		10
293	Copper	market Ingot, electrolytic,				\	1	-
		early delivery	Iron Age	Refinery	M W	_ do	80	80
294	Copper	Sheet, hot rolled (base sizes)	Manufacturer	New York	M D	Price to wholesaler	10	10
295	Copper	Wire, bare, No. 8, B		Men TOLK	I W D	Price to actual con-		10
		& S gauge and heav- ier (base size)	do	Mills	MD	sumers and manu- facturers of covered wire	20	20

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296	Lead	Pig desilverized, for early delivery	Iron Age	New York	M W	Price on Tuesday	20	20
297	Lead	Pipe	Manufacturer	do	MD	Price to jobber	3	3
298	Quickeilver	Spot	Oil, Paint and Drug		MW	Spot price on Satur-	_	
	,	[]	Reporter	Į		day	1	1
299	Silver	Bar, fine	Treasury Depart-	do	MD	Mean of bid and ask-		
	-	h	ment	do	7.5	ed price at New York	10	10
300	Tin	Pig, for early	Iron Age	αo	MW	Price on Tuesday	10	10
301	Zinc	delivery Sheet, ordinary num-	Manufacturer	Mill	мр	Price to jobber and		10
301	Zinc	bers and sizes, pack-		TAYTII	141 15	manufacturer	3	3
		ed in 600 lb. casks) manuacourer	· · i	
302	Zine	Slab, pig, western,	Iron Age	New York	l mw	Price on Tuesday	20	20
		early delivery			:			
303	Douglas fir	No. 1. common	West Coast Lum-	F. O. B. mills,	FM	Price to retailer		20
	•	boards, f. o. b. mill	berman's Association	State of Washing-				•
	L	1x8" and 1x10", S. I. S.		ton		l · .		
304	Douglas fir	No. 2 and better,	do	do	FM	do		20
		drop siding, f. o. b. mill 1x6"				!		
305	Gum	MILLIXU	Lumber Manu-	St. Louis	Bi-weekly	Range of price on		
303	Cum	onds, plain sap- 4/4		Di. Louis	Di-weekiy	every other Wednes-		10
		onds, plant sap-4/4	Incomer and Dealer			day		10
						Wholesale price in		
						car lots		
306	Hemlock	No. 1, northern	do	New York	do	Price on every other		
		Pennsylvania, base				Tuesday	20	
		price				Wholesale price in	j	
	TT 1 .	NT 4 41 NT	,	σı.	ļ ,	car lots		
307	Hemlock	No. 1, northern, No.		Chicago	do	Price on every other		00
	}	1 Piece-stuff-SISIE- 2x4x16				Friday Wholesale price in		20
		2X4X10				car lote		
308	Maple	Hard and soft4/4-	New York Lumber	New York	FM	Wholesale selling		
		firsts and seconds	Trade Journal	21011 2011		price to the retail	20	
			Price supplement)			trade		
309	Maple	Hard, northern	Lumber Manu-	Chicago	Bi-weekly	Range of price on		
	-	stock, No. 1 com-	facturer and Dealer	_	•	every other Friday		20
j		mon, 4/4				Wholesale price in		
	l	J			l	car lots	J	

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)	(2) Commodity	(3) Description	(4) Source of price	(5) Market				truction x num- d other
140.		:	quotsuon		figure	type of transaction)	1890– 1913 or 1902– 1913	1913- 1926
310	Oak	White, plain, mixed rock mountain or W. Va. stock 4/4-firsts and seconds	New York Lumber Trade Journal (Price supplement)	New York	F M	Wholesale selling price to the retail trade		
	Oak	White, plain, No. 1 common-4/4	Dealer	Cincinnati	MW	Range of price on Wednesday		50
312	Oak	strictly white, good	New York Lumber Trade Journal (Price Supplement)	New York	FM	Wholesale selling price to the retail trade		·
313	Pine	White, boards, No. 2 barn, 1x8 in. rough	Wholesale dealers	Buffalo	MW	Range of price on Tuesday	40	40
315	Pine	Yellow, flooring long leaf, B & better, heart rift, 1x3	New York Lumber		FM	Wholesale selling price to retail trade		
316	Pine	Yellow, flooring f. o. b. mill B & better.	Statistical Agency	Hattiesburg (Miss) district	MD	F. O. B. mills		70
317	Pine	1x4 FG sap Yellow, siding, N. C. Pine surfaced boards No. 2 & better 4/4 edge, under 12 in. rough		Norfolk, Va.	FM	Wholesale selling price to retailer	130	

318	Pine	Yellow, timbers long		Hattiesburg	мD	F. O. B. mills		60	
	1	leaf f. o. b. mill	Statistical Agency	(Miss) district	N D	r. O. B. mills		•	
		square edge and							
		sound, dressed 8" and							
	D1	under, 20" and under	New York Lumber			Wholesale selling			
319	Poplar	7 to 17 in. and up,	Trede Journal	New York	FM	price to retailer	10		
		firsts and seconds	TIAGE DOULING	11017 2012					
320	Poplar	No. 1 common-4/4	Wholesale dealer	Cincinnati	MW	Price on Wednesday		10	
	Spruce	Eastern random-2x3	***	· · · · · · · · · · · · · · · · · · ·		Range of price on			
321	phrace	and 4	do	Boston	MW	Monday	10	10	
322	Lath	Southern vellow		Hattiesburg	l				
022		pine, No. 1, f. o. b.	Statistical Agency	(Miss) district	M D	F. O. B. mills		5	
		mill 4 feet, 3/8 in-		•			}		
		ches					ì		
323	Shingles	Cypress, 16 in. long		New Orleans	МЪ	F. O. B. mills	2	2	*
		Best, all heart, 5 in-	Manufacturer	district	ע זא ן	F. C. D. mas	-	_	F
		ches wide	W1:	F. O. B. mills					řě
324	Shingles	Red cedar, 10 in.	Washington and	Washington and	M D	F. O. B. mills	10	10	Ĕ
]	long 5/2 random	Oregon Shingle As- sociation	Oregon district	** **	2. 0. 2. 3			Ż
205	Datala	widths, B grade Common,salmon,run		Chicago	МЪ	F O. B. kiln			APPENDIX
325	Brick	of kiln	Manuacourer	OTTOMEO		[Ħ
226	Brick	Common, red	do	Cincinnati	FM	F. O. B. kiln			×
	Brick	Common, red, do-			Range from	Price on barge along- side dock			
021	D. T. C.	mestic	do	New York	first to last	side dock	30		
					of month				
328	Brick	Common, f. o. b.	Manufacturer's As-			D-141-		30	
	l	yard, average 82 yds	sociation		FM	Price at yards Wholesale price in		30	
330	Cement	Portland, domestic,		37 . 60.1	МЪ	car lots F. O. B. mill	50*		
		f. o. b. plant, near	Manufacturer	Near Chicago	ן אי	car 1068 F. O. B. mm	50		
		Chicago wtihout				ľ	1		
404	J	bags							
331	Cement	Portland, domestic, f. o. b. plant, aver-	Manufacturers		МЪ	F. O. B. mills		50	
		age of 6 plants	TATATIOTE SCOTT GLE		*** ~~]		
333	Cement	Portland, domestic.					}		
233	Cernerin	f. o. b. plant	do	San Francisco	MD	F. O. B. mill			
		i. v. b. piant					l <u>l</u>		44
	<u> </u>								7.1

TABLE I (Coutinued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) Weighta the cons	struction
Ref. No.	Commodity	Description	Source of price	Market	Derivation of published	Nature of price (or type of transaction)	bers an measure	x num- d other s
	,				figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
	Crushed stone	1½ in,	Engineering News Record	New York	F M	Cargo or car lots alongside dock		15
335	Doors	White pine, 2 ft. 8 in. by 6 ft. 8 in.; western, 1 3/8 in. thick, 4-panel No. 2 O. G.	Manufacturer	Chicago	M D	Manufacturer to re- tailer		
336	Gravel	F. O. B. pit, average	36					
337	Hollow tile	of 22 plant prices Building 4x12x12	Manufacturers Engineering News		FM	F. O. B. pit Car lots to contrac-		10
338	Lime	Common, Mason's	Record	Chicago	FM	tors		10
	-	lump, f. o. b. plant, average of 15 plant prices	Manufacturers		FM	F. O. B. plant	10	10
340	Sand	Building, f. o. b. pit, average of 31 plant	do		FM	F. O. B. pit		5
341	Slate	prices Roofing No. 1, 10x						•
	Glass	20" sea green Plate, polished, area	do		F M	F. O. B. quarry		1
	1	3 to 5 sq. ft., glazing		New York	M D	Manufacturer to job- ber	5	5

343	Glass	Plate, polished, area	do	do	M	D	do	5	5	
344	Glass	5 to 10 sq. ft., glazing Window, single, A,	Oil Paint and Drug		171	_	""	•	•	
UTT	Citator	25 in., 6 by 8 to 10 by	Reporter for dis-	Works	M	w	Price at works	5	5	
		15 in.	lcounts	.,			1			
		i	Base price from list				1			
			of manufacturer							
345	Glass	Window, single, B	-	٠,		***		-	_	
		25 in., 6 by 8 to 10	do	do	M	W	do	5	5	
*40	e	by 15 in.		do	. 14	w	do	20	20	
		Raw, car lots, barrels	do New York Journal of		IAT	YY	40	. 20	20	
) 4 7	Putty	tin, commercial	Commerce and Com-	New York	M	W	Low price on Tues-	1	1	
		om, commercian	mercial Bulletin	INGM* TOTY	147	**	day	•	•	
			(Wednesday							
			Edition)							
350	Rosin	Common to good,					Range of price on			5 >
		yard basis(B)strained	do d	do	M	\mathbf{w}	Tuesday		_	Fe
352	Tar	Per barrel	Morning Star		i		Prevailing price on	5	5	Ť
			Wilmington, N. C.	Wilmington, N. C.	M	W	Tuesday			耳
353	Turpentine	Spirits of southern,	Journal of Com-	37 77 1		***	Range of price on			Z
		barrels, car lots, ex-	merce and Com-	New York	M	W	Tuesday	10	10	U
		dock	mercial Bulletin					10	10	APPENDIX
-			(Wednesday Edition)							M
254	Land carbonate of	(White lead), Ameri-					Low price on Satur-			
707	Dead, Carbonave or	can; in oil 100 lb.	Reporter	do	M	W	day	10	10	
		packages or over	po			••	Manufacturer to con-			
		F					sumer		•	
355	Zinc, oxide of	(White zinc), Ameri-					· _			
	,	can standard; 35 per	do	do	M	W	do	5	5	
l		cent leaded grades					· [
		in baga; car lota			٠.,	***				
356	Acid		Oil, Paint and Drug	New_York	M	W	Low price on Satur-		•	
		barrels	Reporter				day Manufacturer to		1 -	
							consumer		1	
357	Acid	Muriatic, 20 degree,	·				- Committee			
VV'	AAVILA	tanka	đo	Works	М	W	do	1	1 1	412
	I	l- 		, ,,	ı - <u>`</u> '-	• •	,			475

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TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref.	(2)	(3)	(4)	(5)	(6)	(7)	the cons of inde bers an	x num-
No.	Commodity	Description	Source of price quotation	Market	Derivation of published figure	Nature of price (or type of transaction)	measure 1890- 1913 or 1902- 1913	
358	Acid	Nitric, 42 degree,			1.2			
359	Acid	carboys Stearic, triple pres-	do Drug and Chemical	New York	M W	do Low price on Wed-		1
		sed, distilled in bags		do	MW	nesday Manufacturer to consumer		1
360	Acid		Oil, Paint and Drug Reporter	do	M W	Low price on Satur- day Manufacturer to	20	20
361	Alcohol	Denatured,188 proof completely No. 5, barrels	do	do	M W	consumer Low price on Satur- day Distillers to whole-	10	10
362	Alcohol	Wood, Refined, 95		_		salers		
363	Alum	per cent, drums Lump,ammonia,bar-	do	do	M W	do	2	2
365	A	rela	do	do	MW	Low price on Satur- day Manufacturer to consumer	5	5
303	Ammonia	Anhydrous, con- tracts, cylinders	do	do	MW	do		5

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4/7	minute Design	(D	(Oil Daint and Down			Low price on Satur-	1	
367	Bleaching Powder	Drums	Oil, Paint and Drug Reporter	Works	MW	day		1
						Manufacturer to		
		<u></u>		New York	MW	wholesaler Low price on Satur-		
368	Borax	Crystals, sacks, spot	do	New YOLK	INT AA	day		1
					ľ	Manufacturers to		-
						consumers		
370	Copper sulphate	(Blue vitriol), 99 per	•	3-	MW	Low price on Satur-		1
		cent crystals (large)	đo	do	101 00	day Leading manu-		
						facturers price		
372	Formaldehyde	Car lots, barrels	do	New York	MW	Low price on Satur-		
	ļ					day Leading manu-		1
	İ		ļ			facturers price		
373	Palm kernel oil	Crude, imported c.i.f.			İ	Low price on Satur-		
		barrels	do	do	M W	day		1
						Importers price to	1	
374	Potash	Caustic, 88-92 per				discre		
•••	1 00000	cent, imported, spot,	do	do	MW	do		1
		casks				T		
376.	Soda ash	Light, 58 per cent, barrels, l. c. l.	ďo	New York	MW	Low price on Satur-		15
		Daniers, i. c. i.	uo l	Men Tolk	*** ''	Manufacturer to		
377	Soda, bicarbonate				l	consumer	_	_
270	of	American, bags	do	Works New York	M W M W	do do	2	2 1
378 379	Soda, carbonate of Soda, caustic	76 and 78 per cent,	do	New Tork	I IAT AA	40		•
317	l .	solid, spot, drums	l do!	đo	мw	do		10
380	Soda, silicate of	42 degrees, turbid,	Drug and Chemical	-		Low price on Wed-		
		tanks	Marketa	Works	MW	nesday Manufacturers price		2
381	Sulphur	(Brimstone) stick	Oil, Paint and Drug		İ	Low price on Satur-		
001		crude, car lots, bulk		Works	MW	day	3	3
				~ ·		Manufacturers price		•
382	Tallow	Packers' prime	Daily Trade Bulletin (Commercial section)	Chicago	MW	Range of packers' price on Tuesday	10	10
			(Tuesday Edition)	•		Prior on I donaday		

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TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref. No.	(2) Commodity	(3) Description	(4) Source of price	(5) . Market	(6) Derivation	(7) Nature of price (or	bers and measure	truction x num- d other
			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
384	Acid phosphate	16 per cent basis, bulk	Oil, Paint and Drug Reporter	Baltimore		Low price on Satur- day Manufacturer to		10
385	Ammonia		Drug and Chemical Markets	New York	MW	consumer Low price on Tues- day		10
386	Bones	Ground, steamed, 1- 1/4 per cent am- monia, 60 per cent bone phosphate	Oil, Paint and Drug Reporter	Chicago	MW	Manufacturers price Low price on Satur- day Leading Manu-		1
	Muriate of potash Phosphate rock	80 to 85 per cent, K. C. L., bags Florida land pebble,	do	New York Mines	M W	facturers price do		1
i		68 per cent (Chile saltpeter), 95 per cent, spot, bags	do	New York	M W	do		3
390	Tankage	Crushed slaughter- house, 9 and 20 per cent		Chicago	MW	do Low price on Satur- day F. O. B. Chicago		10 3

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391	Acid	Citric, domestic crystals, manu- facturers, barrels	do	New York .	M W	Low price on Saturday Manufacturer to consumer		1
392	Acid	Tartaric, crystals U.S. P. manufacturers, domestic sales	ďo	do	мw	do		1
393	Alcohol	Grain, 188 proof, barrels, U. S. P.	do	- do	MW	Low price on Saturday Distillers price to wholesslers	40	40
394	Cream of Tartar	Powdered, domes- tic, barrels	do	do	M W	Low price on Satur- day Manufacturers price		1
395	Epsom salts	U. S. P., 300-lb bar- rels in 10 barrel lots	Drug and Chemical Markets	do	MW	Low price on Wed- nesday Producers price		1
396	Glycerin	Refined, chemically pure, in bulk, drums and barrels added	Oil, Paint and Drug Reporter	do	мw	Low price on Satur- day Producers price	5	5
397	Opium	Natural, in cases U. S. P.	· do	do		Low price on Satur- day Importers price to	. 1	1
	Peroxide of hydrogen		Drug and Chemical Markets	do	M W	wholesaler Low price on Wed- nesday Producers price		2
399	Phenol		Oil, Paint and Drug Reporter	New York	M W	Low price on Satur- day Producers price		5
400	Quinine	Manufacturer's quotations Sulphate, domestic, 100 ounce tins		do	M W	Low price on Saturday Manufacturer to wholesaler and job-	1	1
401	Bed		Manufacturers' representative	Factory	мр	Average price to re- tail trade		40
	Bedroom Chair Bedroom Chiffo-	All gum, cane seat	do	do	мъ	do		3
		Combination	do	do	MD	do		10

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1) Ref.	(2) Commodity	(3) Description	(4) Source of price	(5) Market		(7) Nature of price (or	bers an measure	struction x num- d other
No.			quotation		of published figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
		Combination	do	do	M D	do		10
105	Bedroom Chairs	Quartered oak rocker	Dealer	Chianna	W D	Th	10	2
406	Bedroom Sets	Iron bedstead, quar- tered oak dresser.		Chicago	MD	Price to retailer	10	2
		and plain oak wash- stand	do	do	мр	do	20	10
407	Buffet	Combination	Manufacturers representative	Factory	MD	Average price to re- tail trade		40
408	Dining Room	All gum leather, slip	• <u> </u>	_ *				
409	Chair Dining Room	seat Extension combina-	do	do	M D	do		20
	Table	tion	do	do	MD	do		10
	Davenport	Standard pattern	do	do	MD	do		40
411	Table "	Library, combina-	_					
	Kitchen Chairs	tion Hardwood, bowback	do Dealer	do Chicago		do Price to retailer	2	10 2
	Refrigerator	Lift-top type	Manufacturers representative	Factory	MD	Average price to re- tail trade		10
414	Kitchen Tables	Hardwood base, 24 x 42 in.	Dealer	Chicago	мъ	Price to retailer	2	2

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pair 54 x 74 42x38 ends per square inch Woolen, 4 to 15 lb. to the pair Axminster, Bigelow, 3/4 Carpets Brussels, 5-frame, Bigelow Garvers Stag handles, 8-in. 421 Knives and forks Cacobolo handles, metal bolsters Pails Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch Mill agents Factory M D Price to jobber A M D Price to jobber A M D Price to jobber A M D Price to jobber A M D A D A D A D A D A D A D A D A D A D A		IDI I	·O 0.11	1		-	_		•
Blankets ends per square inch Woolen, 4 to 15 lb. to the pair Axminster, Bigelow, 3/4 do do M D Price to retailer 20 20 418 Carpets Brussels, 5-frame, Bigelow do do M D do 10 10 419 Carpets Wilton, 5-frame, Bigelow do do M D do 10 10 420 Carvers Stag handles, 8-in. do do F M Price to wholesaler or jobber 1 1 421 Knives and forks Cocobolo handles, metal bolsters Galvanized iron, 10 quart Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 Mill agents Factory M D manufacturer 10 10 423 Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch Mill agents Factory M D manufacturer 10 10 426 Tarpets Manufacturer M D Manufacturer 10 10 10 427 Mill agents Factory M D manufacturer 10 10 10 428 Manufacturer M D	415	Blanketa	Cotton, 2 lb. to the				L	_	_
Hand Blankets Woolen, 4 to 15 lb. to the pair Axminister, Bigelow, 3/4 Carpets Brussels, 5-frame, Bigelow do do MD Price to retailer 20 20 Carpets Brussels, 5-frame, Bigelow do do MD do 10 10 Carpets Wilton, 5-frame, Bigelow do do MD do 10 10 Carvers Stag handles, 8-in. Knives and forks Cocobolo handles, metal bolsters Galvanized iron, 10 quart Sheeting:Bleached Sheeting:Bleached Sheeting:Bleached Manufacturers Factory MD Price to jobber or wholesaler price to jobber or manufacturer 10 10 10				MIII agents	Factory	MD	Luce to lopper	2	2
to the pair Axminster, Bigelow, 3/4 Carpets Brussels, 5-frame, Bigelow Wilton, 5-frame, Bigelow Carvers Carvers Cavers Cocobolo handles, metal bolsters Pails Carpets Cocobolo handles, metal bolsters Calvanized iron, 10 quart Cocobolo handles, width 90 in. 72x72 ends per square inch	414	Diambata							
Axminster, Bigelow, 3/4 do do M D Price to retailer 20 20 418 Carpets Brussels, 5-frame, Bigelow do do M D do 10 10 419 Carpets Wilton, 5-frame, Bigelow do do M D do 10 10 420 Carvers Stag handles, 8-in. 421 Knives and forks Cocobolo handles, metal bolsters do Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch	410	Digurera		M	1	T3 3 4			•
Carpets Brussels, 5-frame, Bigelow Garvers Stag handles, 8-in. Knives and forks Cocobolo handles, metal bolsters Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch	4420	C	to the pair	Manufacturers	00	F M	į do	2	2
At 18 Carpets Brussels, 5-frame, Bigelow do do M D do 10 10 419 Carpets Wilton, 5-frame, Bigelow do do M D do 10 10 420 Carvers Stag handles, 8-in. 421 Knives and forks Cocobolo handles, metal bolsters Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch	41/	Carpets	Axminster, Digelow,	,			la		
Carpets Bigelow do do M D do 10 10 420 Carvers Stag handles, 8-in. 421 Knives and forks Cocobolo handles, metal bolsters Galvanized iron, 10 quart Sheeting:Bleached Sheeting:Bleached Sheeting:Bleached M D do M D do 10 10 422 Pails Galvanized iron, 10 quart Factory M D Manufacturers Factory M D Wholesaler or manufacturer 10 10 10	440	C		ao	ao	MD	Price to retailer	20	20
419 Carpets Wilton, 5-frame, Bigelow do do MD 420 Carvers Stag handles, 8-in. 421 Knives and forks Cocobolo handles, metal bolsters do do FM 422 Pails Galvanized iron, 10 quart Manufacturers Factory MD Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch	418	Carpets		•	·,	1		4.0	4.5
Carvers Bigelow Stag handles, 8-in. 421 Knives and forks Cocobolo handles, metal bolsters do do Galvanized iron, 10 quart Sheeting:Bleached Stag handles, Pails Galvanized iron, 10 quart Factory M D Sheeting:Bleached Sheeting:Bl		G		do	do	мр	į do	10	10
420 Carvers Stag handles, 8-in. do do FM Price to wholesaler or jobber 1 1 421 Knives and forks Cocobolo handles, metal bolsters do do FM do 1 1 422 Pails Galvanized iron, 10 quart Sheeting:Bleached Sheeting:Bleached Sheeting:Bleached Factory MD Williagents Factory MD Price to jobber or wholesaler 1 1 423 Sheeting:Bleached Factory MD Manufacturers Factory MD manufacturer 10 10	419	Carpets		•			<u>.</u>		
Knives and forks Cocobolo handles, metal bolsters Pails Cocobolo handles, metal bolsters Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch	400	10							10
Knives and forks Cocobolo handles, metal bolsters do do F M do 1 1	420	Carvers	Stag handles, 8-in.	αo	j do j	F M		_	
Pails Galvanized iron, 10 quart Galvanized iron, 10 quart Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 ends per square inch					i		or jobber	1	1
422 Pails Galvanized iron, 10 quart Manufacturers Factory M D Price to jobber or wholesaler 1 1 423 Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 Mill agents Factory M D manufacturer 10 10	421			_	1 - 1			_	_
quart Manufacturers Factory M D wholesaler 1 1 423 Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 Mill agents Factory M D manufacturer 10 10					do	F M			1
Sheeting:Bleached 10-4, Pepperell, width 90 in. 72x72 Mill agents Factory M D manufacturer 10 10	422	Paus			l <u> </u>				
width 90 in. 72x72 Mill agents Factory M D manufacturer 10 10 ends per square inch			guart	Manufacturers	Factory	M D			1
ends per square inch	423	Sheeting:Bleached	10-4, Pepperell,						
ends per square inch				Mill agents	Factory	M D	manufacturer	10	10
			ends per square inch		· ·		ļ		
424 Sheeting:Bleached 10-4, Wamsutta, P. Price to jobber or	4 24	Sheeting:Bleached	10-4, Wamsutta, P.				Price to jobber or		
L. Manufacturers do M D manufacturer 20 20			L.					20	20
425 Nappies 4-in, common do do M D Price to jobber 1 1		Nappies	4-in, common		do	M D	Price to jobber	1	1
426 Pitchers 2 gal., common do do M D do 6 6		Pitchers	🖢 gal., common	do	l do l	MD		6	6
426 Pitchers ½ gal., common do M D do 6 6 427 Tumblers Common, 1/3 pint do do M D do 2 2 428 Plates White granite, 7 inch do F M do 6 6	427	Tumblers	Common, 1/3 pint	do	l do l	MD	l do	. 2	2
428 Plates White granite, 7 inch do do FM do 6 6		Plates	White granite, 7 inch	do	l do i	FM	l do	6	6
429 Teacups and White granite, teas	429	Teacups and	White granite teas		[
saucers with handles do do FM do 3 3		saucers	with handles	do	l do l	FM	l do	3	3
430 Tickings Amoskeag, A. C. A.	430	Tickings			[_	_
		i	width 32 inches, 2.05	do	do	M D	l do l	3	3
yards to the pound		l			1				-
431 Tubs Galvanized iron, No. Price to jobber and	431	Tubs	Galvanized iron, No.]		Price to jobber and		
do do M D wholesaler 1 1]	3	do	l do l	M D			1
432 Bran In 100 pound sacks, Range of price on	432	Bran	In 100 pound sacks.		"				-
prompt shipment, car Northwestern miller Minneapolis M W Tuesday 15			prompt shipment car	Northwestern miller	Minneapolis	M W			15
lots	l		lots			"			-5
433 Cottonseed meal Prime, 8 per cent	433	Cottonseed meal	Prime, 8 per cent						
Ammonia Manufacturer F. O. B. Memphis F M Price to jobber 30 30				Manufacturer	F. O. B. Memphis	FM	Price to jobber	30	30
			· · · · ·					50	

TABLE I (Continued)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

_		·						
(1) Ref.	(2) Commodity	(3) Description	(4) Source of price	(5) Market	(6) Derivation	(7) Nature of price (or	(8) (9) Weights used in the construction of index num- bers and other measures	
No.			quotation		figure	oublished type of transaction)		1913- 1926
434	Linseed meal	Bags	Oil, Paint and Drug Reporter	New York	M W	Low price on Satur- day mills to dealers		2
435	Mill feed	Middlings, standard 100 lb. jute sacks, car lots	Northwestern miller	Minneapolis	M W	Range of price on Tuesday		20
436	Leather		Shoe and Leather Reporter	Eastern Markets	FM	Price to shoe manu- facturers	40	30
437	Leather	Glazed kid, top grades, from Brazil- ian skins, black		do	F M	do		30
438	Leather	Harness oak, Cal., No. 1 or B selections		Middle Western mkts.		Price to manufac- turers of harness, etc.	20	5
439	Leather	Side, chrome, tan- ned, "B" grade	Shoe and Leather Reporter	Eastern Markets		Price to shoe manu- facturers	20	20
440	Leather	Sole oak, in aides, middle weights, tan-	ľ	do	F M	do	25	5
441	Leather	nery run Sole oak, scoured backs, heavy civilian trade		do	FM	do	25	25

442	Leather	Sole union backs,	Shoe and Leather		1	Range of price on	1	
443	Paper		Reporter	New York	M W	Wednesday Range of price on		20
110	apor	tract	Paper Trade Journal	Mills	M W	Tuesday Manufacturers price	50	50
	Paper	Wrapping, Manila, No. 1 jute	New York Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	MW	to publishers Range of price on Tuesday	50	50
445	Wood pulp	Sulphite, domestic, unbleached, news grade	Paper Trade Journal	Mills	MW	Range of price on Tuesday Price to manufac- turers of paper		50
447	Hemp	Manila, fair, current shipment	New York Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	New York	MW	Range of price on Tuesday Importers' price to manufacturer		5 5
448	Jute	Raw, shipment,	: Edition)			Importers' price to		
449	 Paraffin	medium grades	Importers	New York	FM	manufacturer	3	3
449	Paramn		Oil, Paint and Drug Reporter	New York	M W	Low price on Saturday Producers' price to		60
450	Rope	Manila, base size and larger, first grade 3 strands		New York	M W	Price on Thursday to jobbers	10	10
451	Rubber	Para island, fine	N. Y. Journal of Commerce and Com- mercial Bulletin (Wednesday Edition)	do	M W	Range of price on Tuesday Importer to jobber manufacturer	80	80
452	Sisal	Mexican, current	•					
453	Soap	shipment Laundry, price per	do	do	M W	do Price to wholesaler		5
200	, ,	box of 100 bars (75 lbs.)		Factory	MD	of jobber		30
	····							

TABLE I (Concluded)

DESCRIPTIONS OF WHOLESALE PRICE QUOTATIONS.

(1)		(3) Description	(4) Source of price quotation	(5) Market		Nature of price (or		
140.					figure	type of transaction)	1890- 1913 or 1902- 1913	1913- 1926
454	Soap	Laundry, average price per box of 100 11 oz. cakes	Manufacturer	Factory	мр	Price to wholesaler or jobber		20
455	Starch	Laundry, 50 lb. box- es bulk	Jobbers	New York	FM	Price to retailers and small jobbers at New York		20
456		Plug, 15 oz. to the	Manufacturers	do	MD	Price to jobber	30	30
457	Tobacco	Smoking, granulated, 1 1/8 oz. bags, Blackwell's Bull Durham	Jobbers	do	M D	Price to retailers	80	80

TABLE II

Measures of Monthly Variability of Commodity Prices, at Wholesale, $1890\text{-}1926^{\text{1}}$

(Mean deviation as percentage of mean annual price)

A Farm products

Year	Corn (2) (crop years) ²	Oats (4) (crop years)	Wheat (6) (crop years) ³	Cattle, steers (13)	Hogs, light (16)	Cotton (25) (crop years) ²	Potatoes (51) (crop years) ³	Wool (56)
1890 1891 1892 1893 1894 1895 1896 1896 1897 1903 1901 1902 1903 1904 1905 1907 1906 1907 1911 1912 1913 1914 1915 1916 1917 1918 1919 1919 1919 1919 1919 1919	years)2 8.7 11.4 2.7 15.6 11.6 7.9 6.8 7.3 3.5 9.2 13.9 4.1 7.0 6.3 7.7 6.2 12.5 10.5 6.7 5.9 13.1 5.9 13.1 5.9 13.1 5.9 13.6 10.8 9.2 8.6 16.3 8.6	years) ³ 10.2 5.2 3.6 12.1 3.6 4.7 3.9 12.1 7.1 2.7 10.5 8.4 6.3 6.1 3.0 13.0 13.0 13.7 6.8 6.2 8.8 7.7 7.5 2.2 8.4 14.0 12.2 5.1 13.8 16.5 4.0 6.1 7.5 6.9	years)* 4.7 5.7 3.2 4.0 9.3 5.0 4.2 2.2 2.5 8.0 7.6 3.2 12.1 4.6 5.4 4.7 2.0 4.1 14.7 2.0 4.3 19.3 4.5 4.8 9.6 3.6 9.2	2.3 3.8 4.3 9.6 6.1 2.3 7.2 6.0 8.1 6.0 7.5 8.1 7.5 8.1 7.5 8.1 7.5 8.1 7.5 8.1 7.5 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	5.7 13.9 10.5 9.8 7.5 4.9 7.0 10.5 7.4 4.9 7.0 10.5 7.4 8.0 7.4 8.0 7.4 10.7 13.7 14.1	7.8 6.3 8.9 4.1 8.9 4.5 6.2 5.0 14.2 11.1 14.3 3.8 4.9 8.6 4.9 8.6 4.9 8.6 4.9 8.7 13.9 8.2 8.0 7.5 3.6	years)* 10.4 6.2 9.7 10.7 10.0 10.1 4.4 10.8 20.0 13.3 16.2 5.7 11.4 28.1 14.0 11.6 9.5 18.2 13.9 21.5 4.0 5.3 9.5 25.8 28.3 17.3 9.5 25.8 28.3 17.3 9.5 25.8 28.3 17.3 9.5 25.8 28.3 17.3 9.5 25.8 28.3 17.3 9.5 25.8 28.3	3.34 10.33 4.88 12.165 3.99 3.02 11.80 2.28 2.33 2.33 2.55 2.63 2.64 2.74 2.74 2.74 2.74 2.74 2.74 2.74 2.7
1925 1926	4.3	1.9	4.5	12.4 3.3	7.9 5.9	6.7	17.4	10.3 3.9

¹The commodities included in this and the following tables, except where otherwise noted, are those for which prices have been compiled by the United States Bureau of Labor Statistics. Full descriptions of the price quotations employed are given in Table I. The commodities have been numbered to facilitate cross-reference.

^{*}Bach crop year measure relates to the period beginning in the year opposite which the entry appears. See page 41 for a statement concerning the crop years.

TABLE II (Cont.)

Measures of Monthly Variability of Commodity Prices, at Wholesale, 1890-1926

(Mean deviation as percentage of mean annual price)

B Minerals and mineral products

Year	Anthracite coal (233)	Bitu- minous coal (237)	Coke (239)	Petro- leum, crude (247)	Pig iron (259)	Copper, ingot (293)	Lead, pig (296)	Tin, pig (300)
1890 1891 1893 1894 1895 1896 1897 1898 1899 1900 1901 1903 1904 1905 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917		7.5 7.9 2.6 7.9 3.2 8.3 6.0 6.2 1.8 12.5 46.1 26.5 11.9 0 3.2 4.6 3.0 2.1 1.5 1.1 1.8 4.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	5.4 1.7 3.4 18.3 12.7 12.0 8.2 3.6 17.9 23.6 4.1 20.7 27.6 8.5 16.4 11.9 9.6 20.4 11.9 20.4 16.2 5.1 17.8 13.9 6.0 12.1 25.6 21.7	9.5 8.4 5.0 9.8 3.1 15.8 8.3 12.1 16.9 14.9 14.9 15.5 6.1 6.2 5.5 4.0 6.3 3.3 3.4 20.9 14.8 6.1 4.8 6.2 14.8 14.	3.1 4.5 2.4 1.8 7.5 2.5 1.7 19.9 15.9 1.3 10.8 13.6 2.3 11.4 12.1 3.3 5.8 1.6 6.8 1.6 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	7.0 6.4 4.4 6.4 3.2 8.3 3.6 3.6 3.6 3.6 1.2 7.5 1.9 3.5 4.8 7.0 4.8 7.0 4.8 7.0 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 4.8 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6	9.8 2.4 3.3 5.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.6 3.6 2.1 6.0 2.5 2.4 1.1 6.0 2.5 2.9 11.4 8.3 16.5 8.9 9.7	2.8 2.3 3.2 11.4 2.3 11.5 7.9 11.4 5.7 4.0 6.2 4.7 2.8 5.3 9.7 3.9 2.8 4.5 8.6 8.0 17.4 11.4 7.4 11.4 7.4
1920 1921 1922 1923 1924 1925 1926	7.8 1.4 .3 3.2 1.5 2.2	17.5 8.5 24.7 15.7 4.7 3.9 10.4	32.6 22.1 38.1 22.3 12.3 25.0 30.7	3.7 22.9 4.7 16.5 14.7 6.1 4.2	8.0 13.7 15.7 9.6 5.5 6.6 4.0	8.5 3.0 3.1 8.2 3.4 2.9 1.4	12.0 4.6 12.3 7.5 7.5 7.3 5.3	7.6 6.0 5.9 6.8 4.6 4.4

TABLE II (Conc.)

Measures of Monthly Variability of Commodity Prices, at Wholesale, 1890-1926

(Mean deviation as percentage of mean annual price)

C Fabricated goods

Year	Men's shoes (166)	Print cloths (195)	Suiting (210)	Nails, wire (269)	Steel billets (276)	Steel rails (280)	Lead pipe (297)	Leather (441)
1890 1891 1892 1893 1894 1895 1896 1896 1900 1901 1902 1903 1904 1906 1907 1908 1909 1911 1912 1913 1914 1915 1916 1917 1918 1919	8hoes (166) .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	(195) 2.6 1.6 7.2 12.5 2.7 7.5 3.5 4.0 4.3 5.9 4.4 2.2 10.9 13.4 4.4 2.2 10.9 13.6 5.8 5.8 5.8 5.8 6.5 6.5 6.5 6.5 6.5 6.7 14.4 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 16.5	.0 .0 .0 2.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	7.3 4.10 3.6 27.5 9.3.7 4.5 17.7 16.9 2.9 1.8 6.1 1.1 2.6 3.5 1.5 1.1 2.6 3.5 3.7 5.2 2.9 1.8 3.5 5.3 6.6 5.6 5.6 5.6 6.6 5.6 5.6 6.6 6.6 6.6	7.5 1.8 2.8 5.3 15.8 2.3 2.5 6.2 2.5 6.2 2.5 6.2 2.5 6.0 10.5 10.4 10.4 10.4 10.5 11.4 11.4 11.6 11.6 11.6 11.6 11.6 11.6	(280) 5.6 .5 .0 4.7 .0 10.0 6.7 1.3 16.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	(297) 10.5 2.4 6.0 -5.3 1.7 7.8 5.6 3.5 1.7 7.8 5.6 3.5 1.7 7.8 5.6 3.5 1.7 7.8 6.1 6.9	1.9 1.3 9 4.3 10.8 1.8 1.3 1.3 4.3 1.3 1.2 1.5 1.5 1.2 1.5 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3
1922 1923 1924 1925 1926	1.6 1.8 .0 .2 .0	7.8 6.8 3.1 3.2 6.1	6.4 2.5 1.1 2.2 3.7	4.4 2.8 2.8 2.9	10.8 4.6 3.8 2.2 .0	2.5 .0 .0 .0	12.8 3.6 4.8 4.8 3.6	1.6 6.6 3.0 4.2 3.7

TABLE III

MEASURES OF MONTELY VARIABILITY OF SIX GENERAL ECONOMIC SERIES, 1890-1926

(Mean deviation as percentage of mean annual value)

Year	Yield on fifteen railroad bonds ¹	American Tel. and Tel. index of general business	Index of industrial stock prices (Dow-Jones ²)	Pig iron production	Discount rate on 60–90 day commercial paper	Interest rate on call loans
1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926	1.7 2.5 2.7 2.09 1.25 1.07 1.06 1.3 2.4 1.3 2.4 1.3 2.4 1.5 1.9 2.7 1.9 2.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	2.77 12.09 1.37 12.53 1.53 1.67 1.39 1.70 1.39 1.39 1.39 1.39 1.39 1.39 1.39 1.39	5.99.2 2.99.2 18.27.8 10.96.3.4.7.4.6.5.1.9.1.7.2.0.4.6.2.1.6.8.5.5.0.8.7.5.0.8.7.5.0.8.4.5.5.5.8.8.5.5.8.8.5.5.8.8.8.5.5.8.8.8.5.5.8.8.8.5.5.8.8.8.8.5.5.8.8.8.8.5.5.8	2.1 14.3 29.8 22.1 11.1 17.8 29.7 12.7 12.8 4.6 14.4 9.6 14.4 9.6 14.6 18.1 2.5 18.1 2.1 18.1 2.1 2.1 2.1 2.1 2.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	12.2 5.4 16.6 25.2 5.8 15.6 21.4 17.0 19.9 7.7 9.8 8.2 12.8 8.0 15.8 15.0 6.9 15.8 15.0 7.7 10.5 1.4 2.1 8.2 10.3 7.7 10.5	27.7 21.1 50.9 45.2 7.7 33.9 42.4 23.2 40.5 41.2 27.5 33.0 29.9 60.6 63.7 33.1 36.2 19.6 36.3 19.1 48.1 21.4 22.7 61.8 7.5 22.7 61.8 7.5 22.8 22.8 22.8 22.8 22.8 22.8 23.9 60.9 41.0 25.0 26.0 27.0 60.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0 2

1Source: Standard Trade and Securities Service. For the period prior to 1900 Mitchell's figures for the yields on 10 railroad bonds have been used.

^{*}See the note to Table 5 concerning the source of the stock price index.

TABLE IV

Measures of Monthly Variability of Commodity Prices, at Wholesalb, 1890-1925

Calendar Year Measures Averages, by Periods

(Commodities arranged within each group in order of magnitude of the measures in column 9)

	Colum							
(1) Ref. No.	(2) Commodity	(3) 1890– 1897	(4) 1898– 1905	(5) 1906– 1913	(6) 1914 1921	(7) 1922– 1925	(8) 1890– 1925 inclu- sive	(9) 1890- 1925 ex- clud- ing 1914- 1921
53 56 59 14 13 6 37 22 34 15 16 24 24 19 17 47 43 11 47 43 14 49	Rice Wool: fine clothing Wool: medium Cattle: good to choice Cattle: choice to prime Wheat Hay Beans Flaxseed Hogs: heavy Hogs: light Cotton Hides Rye Barley Corn Oats Sheep: wethers Sheep: ewes Milk Hops Eggs Potatoes Onions	3.3 5.47 5.70 4.9 7.3 7.65 9.2 8.2 9.2 11.3 11.3 12.0 12.1 11.6 12.2 23.0 28.4	7.2 5.4 8.6 6.6 6.6 8.7 6.0 10.1 11.7 11.5 12.9 14.1 22.0	3.01 5.00 5.66 6.44 7.38 7.77 10.77 11.75 112.44 23.06	7.39 7.00 11.01 9.50 7.2 8.28 10.57 13.4 10.49 11.5 13.5 24.5 20.5 20.5	7.41 68.47 68.47 69.47 98.50 11.57 11.80 8.45 12.58 9.25 22.28	5.42 5.77 7.72 7.88 7.96 11.88 11.88 11.88 20.22 20.53	4.9 5.6 6.80 7.27 7.8 8.7 7.8 8.7 9.3 10.5 12.6 19.8 12.8 12.8 12.8 12.8 12.8 13.8 14.8 14.8 15.8 16.8 1
104 106 111 148 112 161 141 116 152 113 64 150 68 145	Foods Bread: Cincinnati Bread: New York Crackers: oyster Starch: corn Crackers: soda Vinegar Molasses Salmon Tea Cod Beef: fresh Sugar: granulated Beef: salt Pepper	.00 1.8 1.1 2.2 2.4 4.3 4.7 4.3 5.6 6.6	.5 2.4 2.4 2.5 2.6 3.7 3.7 5.1 4.4 4.4 6.2	3.6 1.6 1.8 2.3 3.8 5.4 4.4 6.2	6.3 4.2 6.3 13.9 5.8 6.3	4.2 5.5 5.0 1.0 4.5 4.9	2.3 22.5.4 3.9 3.6 3.2 6.7	1.2 1.5 1.6 3.0 3.1 3.2 4.4 5.6 5.6 5.7

TABLE IV (Cont.)

_	Anomy 1							
(1) Ref. No.	(2) Commodity	(3) 1890– 1897	(4) 1898 1905	(5) 1906– 1913	(6) 1914– 1921	(7) 1922– 1925	1925 inclu-	(9) 1890– 1925 ex- clud- ing 1914– 1921
131 120 119 69 114 138 109 140 139 74 158 149 117 76 75 129 115	Foods (cont.) Salt Raisins Flour: wheat, standard patents¹ Flour: wheat, winter straights Hams Herring³ Lard Coffee Meal: corn, yellow table Meal: corn, fine white Pork: cured, salt mess Cottonseed oil Sugar: raw Flour: rye Pork: cured, short clear sides Pork: cured, rough sides Currants Mackerel Prunes Cheese Butter: creamery firsts, N. Y. Mutton Butter: creamery extra, N. Y. Butter: creamery extra, St. Louis Apples	6.4 7.66 6.3 11.8 7.7 7.5 6.2 8.4 8.3 11.8 8.6 11.8 9.3 11.8 9.3 11.8 11.8 11.8 11.8 11.8 11.8 11.8 11	5.83 5.55 6.11 5.22 6.18 5.13 6.4 6.4	3.4.6.6.29.7.9.8.88.3.5.5.2.4.4.1.4.6.6.5.7.7.4.8.0.7.9.0.9.9.	7.7 11.5 10.8 7.4 8.6 12.7 11.1 13.5 90.8 12.4 12.2 8.2 8.2 8.2 8.3 7.6 8.6 11.8 9.8 12.8 11.8 12.8 11.8 12.8 12.8 12.8 12	7.39 7.00 7.00 7.00 8.42 11.32 9.14.11 10.15 7.75 8.86 9.5	6.39 8.39 7.39 8.48 7.59 8.9.15 10.7 10.7	6.2 6.3 6.4 6.7 6.8 6.9 7.1 7.3
177 210 219 184 173 216 183 206 193 215 217 192 186 185	Cloths and clothing Underwear: shirts and drawers Underwear: union suits ³ Men's shoes: vici kid Linen shoe thread Men's shoes: black calf Cotton thread Poplar cloth Women's shoes Suiting: Middlesex Sicilian cloth Flannel: unbleached Men's shoes: chocolate elk French serge Flannel; colored Flannels: white Muslin: Wamsutta Broadcloth ³ Storm serge Muslin: Rough Rider Ginghams: Lancaster Ginghams: Amoskeag Drillings: Pepperell	0000770366520042209332952214 2 2 3 3 2 2 3 4 2 3 4 3 4 3 4 4 4 4 4 4	.06 .36 .00 1.63 1.15 1.80 2.61 3.00 3.00 3.07	1.06 1.16 1.16 1.16 1.16 1.17 1.18 1.18 1.18 1.18 1.18 1.18 1.18	9.4 5.5 4.4 6.1 7.0 2.7 10.2 8.0 9.3 6.9 9.3 1.0 9.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	5.09 2.32 2.33 3.06 2.72 2.35 2.21 2.21 2.21 2.21	01102619411463 2112122233232975044 33223333443	.1.2.5.66.90 1.00 1.2.1.44 1.89 2.00 2.11 2.45 2.67 2.9 3.01

TABLE IV (Cont.)

_		(
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8	(9)
Ref.	Commodity	1890-	1898-	1906-	1914-	1922-	1890-	1890-
No.	•	1897	1905	1913	1921	1925	1925	1925
						l	inclu-	ex-
							aive	clud-
			}					ing
	•		1					1914-
						l		1921
	Clathe and slathing (and)							
196	Cloths and clothing (cont.) Sheetings: 4-4 Indian Head	2.7	2.6	1 0	0.1	F 0	4 -	- 4
179	Calico	2.5	2.8	2.8 4.9	9.1 11.4	5.9	4.5 5.1	3.1 3.2
180	Denims	1.8	4.0	3.4	7.0		4.1	3.3
221	Worsted yarns: 2-40's	4.6	3.4	1.6	9.1		4.6	3.3
182	Drillings: Mass. D	3.6	3.2	2.7	11.9	4 7	5.3	3.4
197	Sheetings: 4-4 Pepperell R	3.3	4.2	3.1	11.0	44	5 3	3.6
191	Muslin: Lonsdale	3.3 3.4	4.5	4.5	9.7	2.9	5.2	4.0
198	Sheetings: 4-4 Ware Shoals	4.3 3.5	3.0	4.1	13.5	4.8	6.1	4.0
190	Muslin: Fruit of the Loom	3.5	4.3	5.0	9.1	2.7	5.2	4.0
220	Worsted yarns: 2-32's	4.4 5.1	3.8	3.8	8.0	2.9 4.8 2.7 5.0	5.2 5.0	4.1
228	Silk: raw, Japanese, extra-extra	5.1	4.4	3.8	12.3	0.5	6.4	4.7
203	Cotton yarns: carded, cones 22/1	3.8 5.5 4.3 5.1	5.6	4.4	12.7	5.3	6.7	4.8
226 202	Silk: raw, Japanese, Kansai, No. 1	3.3	4.8	4.4	14.1	7.3	7.2 7.4	5.2
195	Cotton yarns: carded, cones 10/15 Print cloths	4.3	6.1 6.5	5.1 5.6	13.7	5.9 5.2	7.4	5.4 5.7
193	Fuel and lighting	3.1	0.3	3.0	14.4	5.2	7.6	5.7
244	Matches	اما	0	.0	1 2	1 0	٥	7
232	Anthracite coal: broken	1 1	1.0	.3	1.2 3.7	1.9 1.7	8 1.8	.7 1.2
249	Petroleum: refined 150° fire test	1.1 2.7	.9 1.9 3.3	2.0	4.1	3 2	3.0	2.7
234	Anthracite coal: egg	4.1	4.0	3.0 2.9	4.1 3.9 3.9	3.2 1.7	3.5	3.4
235	Anthracite coal: stove	4.9	4.1	2.9	3.9	1.8	3.5 3.7 3.7	3.6
233	Anthracite coal: chestnut	4.9 3.7 5.7 2.3 9.0 5.4 7.7	4.1	3.0 1.8	3.7	1.8	3.7	3.7
248 236	Petroleum: refined for export	3.7	5.9	1.8	5.3	3.1	4.0	3.7
238	Bituminous coal: Kanawha	3.7	5.4	2.1	9.4	9.2	6.0	5.0
247	Bituminous coal: Pocahontas Petroleum: crude	2.3	9.9 9.4	2.1	9.1	10.1	6.4	5.6
237	Bituminous coal: New River	2.0	13.7	2.9 2.7	8.1 11.4	10.5 12.2	7.7 8.7	7.6
239	Coke	7 7	15.3	13.3	16.8	24.4	14.5	8.0 13.9
	Metals and metal products	'''	10.0	10.0	10.0	27,7	14.5	13,7
287	Trowels	.0	.0	.0	4.2	.1	1.0	.0
272	Saws: crosscut	l .0	.0	.01	3.5	.9	.9	ij
273	Saws: hand	l .01	ก	. ก	4.3	. 9	1.1	.1
271	Planes	.3	1.5	1.4	3.6	3.2 2.9	1.3	.6
255 274	Hammers	.3	1.0		3.0	3.2	1.3	.8
250	Shovels	3.3	1.0	.4	4.0	2.9	1.6	.9
	Augers Files	1.4 1.1 .7	1.7 1.7 2.3	1.1	4.0 5.2 4.3 3.7	0.0	2.1 1.9	1.2
252	Chisels	1.1	2.7	.4 2.5	4.3	2.0	1.9	1.2
251	Butts	2.6	1.5	2.3	3.1	.0 2.9	2.1 2.3 2.4 3.1	1.6 1.9
280	Steel rails	3.4	3 0	.0	3.7 3.1	.6	2.3	2.2
288	Vises	2.0	3.9 3.2	1.4	5.6	3.2	3 1	2.4
258	Locks	1.4	3.2	I 18	6.0	3.2 4.0	3.2	2.4
253	Door knobs	2.1	3.2	1.5	6.6	4.6	3.5	2.6
299	Silver	3.7	3.2 3.0	1.5 2.7 3.2 3.4	7.4	2.5	1 4.0	3.0
298	Quicksilver	3.3	2.2	3.2	7.4 17.5	2.5 7.0	6.6	3.5
301	Zinc: sheet	3.4	3.8	3.4	9.6	4.1	4.9	3.6
294	Copper: sheet	3.4 5.3 5.8	2.2	5.2	7.1	3 6	4.9 4.8 5.2	4.1
291	Wood screws	5.8	4.1	1.5	8.1	7.8	5.2	4.4
		1		<u> </u>				

TABLE IV (Cont.)

Ref. No. Commodity 1890-1898-1906-1914-19 1905-1913-1921-19 Metals and metal products (cont.) 295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 Nails: wire 3.3 6.0 5.5 11.1 Nails: wire 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 260 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7	22- 1890- 18 25 1925 19 1925 19 1926 19 1937 1938 1938 1938 1938 1938 1938 1938 1938	(9) 890- 925 ex- ex- ex- ex- 10d- ing 914- 921- 4.5 4.7 4.9 5.0 5.1 5.8
Ref. No. Commodity 1890-1898-1906-1914-19 1905-1913-1921-19 Metals and metal products (cont.) 295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 Nails: wire 3.3 6.0 5.5 11.1 Nails: wire 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 260 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7	22- 1890- 18 25 1925 19 1925 19 1926 19 1937 1938 1938 1938 1938 1938 1938 1938 1938	890- 925 ex- lud- ing 921 4.5 4.7 4.7 4.9 5.0 5.1
Metals and metal products (cont.) Copper: wire Lead: pipe Wire: fence Bar iron: from store, Phila. Copper: ingot Tin: pig Nails: wire Page 13.3 Metals and metal products (cont.) 1897 1905 1913 1921 19 4.6 4.1 5.4 7.7 3.8 4.1 5.3 7.9 5.2 6.0 3.5 4.9 6.4 0 9.6 4.0 9.6 7.7 6.6 4.0 9.6 7.7 6.6 3.0 4.6 7.7 6.8 3.0 4.6 7.7 6.8 3.0 4.6 7.7 6.8 3.0 7.7 6.8	25 1925	925 ex- elud- ing 914- 921 4.5 4.7 4.9 5.0 5.1 5.4
Metals and metal products (cont.) 295 Copper: wire 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 269 Bar iron: from mill, Pittsburgh 269 Bar iron: from mill, Pittsburgh 260 Bar iron: from mill, Pittsburgh 270 Steel billets 280 Steel billets 281 Steel billets 282 Steel billets 283 Steel billets 284 Steel billets 285 Pig iron: basic 286 Pig iron: foundry No. 2, Northern 286 Pig iron: Bessemer 386 Steel billets 387 Steel billets 388 Steel bill	inclu- sive cl 19 3.7 5.2 6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 5.8 6.4 3.2 7.2 4.3 7.2 8.1 7.3 9.4 7.1	ex- elud- ing 914- 921 4.5 4.7 4.7 4.9 5.0 5.1 5.4
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: Bessemer 6.7 10.8 5.5 8.5	3.7 5.2 6.5 5.4 3.5 4.8 5.7 8.7 5.9 4.4 5.7 8.7 5.9 5.8 5.9 6.4 3.2 5.2 7.2 8.1 7.3 9.4 7 1	921 4.5 4.7 4.7 4.9 5.0 5.1
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: Bessemer 6.7 10.8 5.5 8.5	3.7 5.2 6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	ing 914- 921 4.5 4.7 4.7 4.9 5.0 5.1 5.4
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: Bessemer 6.7 10.8 5.5 8.5	3.7 5.2 6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	4.5 4.7 4.7 4.9 5.0 5.1 5.4
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: Bessemer 6.7 10.8 5.5 8.5	3.7 5.2 6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	4.5 4.7 4.7 4.9 5.0 5.1 5.4
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 262 Pig iron: Ressence 6.7 10.8 5.5 8.2 <td>3.7 5.2 6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1</td> <td>4.5 4.7 4.7 4.9 4.9 5.0 5.1 5.4</td>	3.7 5.2 6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	4.5 4.7 4.7 4.9 4.9 5.0 5.1 5.4
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 262 Pig iron: Ressence 6.7 10.8 5.5 8.2 <td>6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 5.2 7.2 8.1 7.3 9.4 7.1</td> <td>4.7 4.9 4.9 5.0 5.1 5.4</td>	6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 5.2 7.2 8.1 7.3 9.4 7.1	4.7 4.9 4.9 5.0 5.1 5.4
295 Copper: wire 4.6 4.1 5.4 7.7 297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 262 Pig iron: Ressence 6.7 10.8 5.5 8.2 <td>6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 5.2 7.2 8.1 7.3 9.4 7.1</td> <td>4.7 4.9 4.9 5.0 5.1 5.4</td>	6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 5.2 7.2 8.1 7.3 9.4 7.1	4.7 4.9 4.9 5.0 5.1 5.4
297 Lead: pipe 3.8 4.1 5.3 7.9 289 Wire: fence 5.2 6.0 3.5 4.9 266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 262 Pig iron: Bessemer 6.7 10.8 5.5 8.2	6.5 5.4 3.5 4.8 4.8 5.9 4.4 5.7 8.7 5.9 5.8 5.2 7.2 8.1 7.3 9.4 7.1	4.7 4.9 4.9 5.0 5.1 5.4
289 Wire: fence 266 Bar iron: from store, Phila. 293 Copper: ingot 296 Lead: pig 300 Tin: pig 301 Tin: pig 302 Zinc: slab 267 Bar iron: from mill, Pittsburgh 308 Zinc: slab 309 Steel billets 300 Steel billets 300 Steel billets 301 Steel billets 302 Pig iron: Bessemer 303 Solution 3.5 4.9 3.6 4.0 9.6 3.7 6.1 8.3 3.7 6.1 8.3 3.8 6.0 5.5 11.1 3.8 6.0 12.2 3.9 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 6.5 9.3 3.1 8.6 8.5 9.3	4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	4.7 4.9 4.9 5.0 5.1 5.4
266 Bar iron: from store, Phila. 4.1 6.6 4.0 9.6 293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 269 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 262 Pig iron: Bessemer 6.7 10.8 5.5 8.2	4.8 5.9 4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	4.9 4.9 5.0 5.1 5.4
293 Copper: ingot 5.3 3.7 6.1 8.3 296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 269 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	4.4 5.7 8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	4.9 5.0 5.1 5.4
296 Lead: pig 5.2 3.2 4.7 9.1 300 Tin: pig 3.3 6.0 5.5 11.1 269 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	8.7 5.9 5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	5.0 5.1 5.4
300 Tin: pig 3.3 6.0 5.5 11.1 269 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	5.8 6.4 3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	5.1 5.4
269 Nails: wire 7.7 6.6 3.0 4.6 267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	3.2 5.2 4.3 7.2 8.1 7.3 9.4 7.1	5.4
267 Bar iron: from mill, Pittsburgh 4.1 8.3 5.8 12.2 302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	8.1 7.3	
302 Zinc: slab 4.5 6.4 6.0 12.2 259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	8.1 7.3	
259 Pig iron: basic 3.1 8.6 6.5 9.3 276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	0 4 7 1	6.0
276 Steel billets 6.6 9.8 5.9 9.6 261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	5.4 7.7	6.5
261 Pig iron: foundry No. 2, Northern 4.9 10.2 6.7 8.5 260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	J.4 1.7	7.2
260 Pig iron: Bessemer 6.7 10.8 5.5 8.2	וליי וא א	7.5
260 Fig iron: Bessemer 0.7 10.8 5.5 8.2 263 Pig iron: foundry No 2 Southern 6.2 11.1 6.2 7.6	9.0 7.7 8.5 7.9	7.8
		8.1
200 2 16 2011 1011011 110. 2, 2000110111 0.2 11. 1 0.0 1.0	8.3 8.0	0.1
Building materials		
308 Maple: N. Y0 2.0 2.1 5.3	2.5 2.4 3.7 2.4	1.5
355 Zinc: oxide of 2.2 1.3 .9 4.9	3.7 2.4	1.8
240 Daulana NY NZ 1 21 1 6 E 21	1.6 2.6 .7 2.9	1.8
312 Oak: white quartered, N. Y. 1.3 4.2 .6 6.6	1.0 2.0 2.9 2.5 2.5 1.9 2.9 3.1 2.5 2.7 2.7	1.8
323 Shingles: cypress .2 1.8 3.5 4.5	2.5 2.5	2.0
310 Oak: white plain, N. Y6 2.7 2.9 6.0	1.9 2.9	2.0
313 Pine: white boards 1.4 3.2 1.3 3.7 354 Lead: carbonate of 1.9 2.7 1.8 4.6	3.1 2.5 2.7 2.7	2.1
354 Lead: carbonate of 1.9 2.7 1.8 4.6	2.7 2.7	2.2
317 Pine: Vellow siding 2.0 3.7 2.2 3.9	4.4 4.2 3.6 3.7	2.8
321 Spruce 3.1 4.2 2.8 4.7	3.0 3.7	3.4
349 Putty 1.3 10.0 .2 3.8	1.3 3.5	3.4
324 Shingles: red cedar 1.0 1.7 6.4 10.7	7.8 5.3 1.5 4.5	3.7 3.7
338 Lime 6.3 4.2 1.8 7.1	1.5 4.5	
335 Doors 3.3 7.4 3.7 6.4	6.3 5.3 3.3 6.1	5.0 6.2
345 Glass: window, B 6.8 7.7 5.4 5.9 344 Glass: window, A 6.6 7.7 5.1 5.4	3.3 6.1	
344 Glass: window, A 6.6 7.7 5.1 5.4	5.1 6.1	6.3
348 Linseed oil 7.9 8.3 5.5 9.8 327 Brick 6.5 6.3 9.5 8.9	5.1 6.1 5.9 7.7 8.2 7.9	7.1 7.5
327 Brick 6.5 6.3 9.5 8.9 350 Rosin 6.7 5.9 8.8 15.0 1	1.7 9.4	7.8
	5.2 8.6	8.2
352 Tar ² 9.9 7.7 8.2 10.1 353 Turpentine: spirits of 5.1 7.8 11.7 14.6 1	2.9 10.1	8.9
	2.7 10.4	0.7
Chemicals and drugs	امما	
363 Alum 2.4 .5 .0 10.1 393 Alcohol: grain 2.2 1.2 .8 4.5	.7 3.0	.9
393 Alcohol: grain 2.2 1.2 .8 4.5	.3 2.0	1.3
360 Acid: sulphuric 5.2 3.0 .5 12.1	2.8 4.9 2.7 4.7 1.7 4.1 2.7 4.3	2.9 3.0
357 Acid: muriatic 5.9 3.2 .2 10.4	4.4 4.4	3.1
381 Sulphur 6.3 2.8 .8 7.8 377 Soda: bicarbonate of 6.1 3.8 1.1 7.2	1.7 4.1 2.7 4.3	3.5
377 Soda: bicarbonate of 6.1 3.8 1.1 7.2	6.2 6.2	4.2
396 Glycerine 2.8 2.7 6.1 13.1 382 Tallow 5.1 5.3 4.4 10.9	7.0 6.5	5.2
		5.5
362 Alcohol: wood 6.5 4.8 1.6 10.4 1	2.8 6.6	5.3

TABLE IV (Conc.)

(1) Ref. No.	(2) Commodity	(3) 1890– 1897	(4) 1898– 1905	(5) 1906– 1913	(6) 1914– 1921	(7) 1922– 1925	(8) 1890– 1925 inclu- sive	(9) 1890 1925 ex- clud- ing 1914– 1921
400 397	Chemicals and drugs (cont.) Quinine Opium	7.3 8.1			8.7 15.7		6.6 9.6	
406 425 405 427 412	House-furnishings Plates Plates Teacups and saucers Carpets: Wilton Carpets: Brussels Pitchers Kitchen tables Bedroom sets Nappies Bedroom chairs Tumblers Kitchen chairs Sheeting: 10-4 Wamsutta Carpets: Axminster Tickings: Amoskeag Sheeting: 10-4 Pepperell	1.1 1.2 .4 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	44343.066.07.385.55.92 1.38.55.92	.1 1.2 1.1 1.0 3.0 1.2 1.4 1.2 2.8 3.4 1.2 3.7 4.2	6.3 6.4 1.2 5.5 7.9 4.2 5.6 4.9 5.6	1.8 1.8 3.7 3.3 3.9 2.1 2.6	1.7 2.0 2.1 1.7 2.0 2.6 1.8 2.1	.8 .9 1.0 1.0 1.1 1.1
457 456 444 440 441 438 436 443 455 450 448 451	Miscellaneous Tobacco: smoking Tobacco: plug Paper: wrapping, Manila Leather: sole oak Leather: sole oak, scoured backs Leather: harness oak Leather: calf Paper: newsprint Cottonseed meal Starch: laundry Rope Jute Rubber	.0 1.8 1.2 4.5 3.2 4.1 5.3 2.7 3.9 4.9 5.0 8.1 5.3	1.2 2.0 4.4 2.8 3.3 1.7 4.67 2.0 9.1 9.0 9.0	1.2 1.8 1.7 2.2 4.5 3.4 5.1 8.8	5.2 11.4 5.8 8.4 6.5 5.6 10.2	5.3 1.9 3.9 2.5 2.7	3.9 3.4	1.2 2.7 2.8 3.0 3.6 3.7 4.0 6.3 8.2

¹Prices for 1918 missing (no quotations).

²Prices for 1925 missing.

³Prices for 1919 missing (no quotations).

⁴Prices for 1901 missing (no sales during year).

⁵Prices for 1890, 1891, 1892 missing (records destroyed).

⁶Prices for 1924, 1925 missing.

TABLE V

Measures of Monthly Variability of Commodity Prices, at Wholesale 1890-1925

Crop Year Measures , Averages, by Periods

(1) Ref. No.	(2) Commodity	(3) 1890- 91 to 1897- 98	(4) 1898– 99 to 1904– 05	(5) 1905– 06 to 1912– 13	(6) 1913- 14 to 1920- 21	(7) 1921– 22 to 1924– 25	(8) 1890– 91 to 1924– 25, in- clusive	(9) 1890- 91 to 1924- 25, ex- cluding 1913-14 to 1920-21
31 37 41 49 51 53 117	Barley Corn Oats Rye Wheat Beans Cotton Eggs Flaxseed Hay Hops Onions Potatoes Rice Flour: rye	5.9 9.0 6.9 8.1 6.8 7.3 6.5 22.6 6.5 5.8 14.3 22.1 9.0 4.1 8.9	4.5 7.4 6.3 5.3 4.2 6.7 10.1 22.2 8.8 5.2 11.6 24.5 15.3 3.3	8.3 9.3 7.5 5.5 5.7 23.1 8.0 17.0 23.9 13.6 3.1 4.3	10.5 10.8 10.1 10.7 10.3 9.1 11.3 21.9 10.7 10.9 26.1 29.0 9.2 11.2	5.3 10.7 6.1 9.4 5.4 10.9 7.3 24.9 8.3 4.4 12.5 30.0 13.5 6.2 8.3	7.1 9.3 7.6 7.7 6.6 7.6 8.2 22.7 8.1 7.2 16.8 25.5 14.4 5.1	6.2 8.9 6.8 5.5 7.1 7.3 23.0 7.3 6.1 14.1 24.4 12.7 3.9 6.5
119 120	Flour: wheat, winter straights Flour: wheat, standard	6.0	4.3	6.3	10.1	5.1	6.6	5.5
128 158	patents Apples Cottonseed oil	4.5 15.8 8.4	3.4 9.1 7.7	4.8 13.6 10.1	9.9 15.4 10.8	5.2 12.5 8.0	5.7 13.5 9.1	1.4 12.9 8.6

TABLE VI

Measures of Monthly Variability of the Prices of Farm Products and Foods, at Wholesale

Averages for the Period 1890-1925 (excluding 1914-1921)¹

(Commodities arranged within each group in order of magnitude of the measures of price variability)

(1) Ref. No.	(2) Commodity	(3) Measure of price variability
	Farm products	
53	Rice	3.9 (3.7)
56	Wool: fine clothing	4.4
	Wool: medium	4.9
14	Cattle: good to choice	5.0
.6	Wheat	5.5 (6.8)
13 37	Cattle: choice to prime	5.6 6.1 (7.0)
	Hay Barley	6.1 (9.0)
ŝ	Rve	6.8 (8.7)
4	Oats	6.9 (14.0)
22	Beans	7.1 (7.2)
25	Cotton	7.3 (8.1)
34	Flaxseed	7.3 (7.7)
15	Flaxseed Hogs: heavy Hogs: light	7.8
16	Hogs: light	7.9
42	Hides Corn	8.7 8.9 (10.3)
	Sheep: wethers	8.9 (10.3) 11.5
17	Sheep: ewes	12.5
	Milk	12.6
	Potatoes	12.7 (26.4)
	Hops	14.1 (19.8)
	Eggs	23.0 (23.1)
49	Onions _	24.4 (28.4)
	Foods	_
104	Bread: Cincinnati	.3
106	Bread: N. Y.	8
111 148	Crackers: oyster	1.2
112	Starch: corn Crackers: soda	1.5 1.6
161	Vinegar	3.0
	Molasses	3.1
116	Salmon	3.2
152	Tea	3.2
113	Cod	4.4
120	Flour: wheat, standard patents	4.4 (6.2)
64	Beef: fresh	5.0
	Flour: wheat, winter straights	5.5 (6.2)
150 68	Sugar: granulated	5.6 5.7
145	Beef: salt Pepper	5.7
146	Salt	5.9
131	Raisins	6.1
69	Hams	6.2
	1	1

TABLE VI (Cont.)

(1) Ref. No.	(2) Commodity	(3) Measure of price variability
114 138	Foods (cont.) Herring ³ Lard	6.2 6.4
117	Flour: rye	6.4 (7.3)
109	Coffee	6.7
140	Meal: corn, yellow table	6.8
139	Meal: corn, fine white	6.8
74	Pork: cured, salt mess	6.9
149	Sugar: raw	7.1
75 158	Pork: cured, short clear sides Pork: cured, rough sides Cottonseed oil	7.7 7.8 8.6 (7.1)
130	Currants Mackerel Prunes	8.8 8.8 9.0
99	Cheese	9.4
90	Butter: creamery firsts, N. Y.	9.7
71	Mutton	9.7
89	Butter: creamery extra, N. Y.	11.1
95	Butter: creamery extra, St. Louis	11.2
128	Apples	12.9 (11.4)

¹Where but one measure is given for a single commodity it relates to variability within the calendar year. Where two are given the first is based upon crop year prices, the second (in parenthesis) upon calendar year prices. The ranking is based upon the crop year measures in such cases. This table supplements Table IV. It seems proper to present farm products and foods in another ranking, in which the disturbing effects of crop changes shall have been to some extent eliminated.

²Prices for 1925 missing.

TABLE VII

MEASURES OF YEAR-TO-YEAR VARIABILITY OF COMMODITY PRICES, AT WHOLESALE¹ (Commodities arranged within each group in order of magnitude of the measures in column 3.)

=			
(1)	(2)	(3)	(4)
Ref.	(2)	Measure	Measure
No.	Commodity	of price	of price
140.	Commonty	variability	variability
		1890-	1890 -
		1913	1924
	Farm products	1	
	Milk	3.8	3.0
	Eggs	6.0 (6.2)	8.6(8.3)
	Cattle: good to choice	7.9	9.8
	Rice	8.2 (8.1)	12.0 (11.9)
	Wool: fine clothing	8.8	14.3
	Wool: medium	8.9	15.3
13	Cattle: choice to prime	9.1	10.5
19	Sheep: wethers	10.7	12.9
17	Sheep: ewes	10.8	14.6
.6	Wheat		16.8(13.9)
	Hides	12.9	15.2
37	Hay		14.1 (12.3)
15	Hogs: heavy	13.8	16.1
	Beans		18.2 (18.9)
16	Hogs: light	13.9	16.0
5	Rye		20.2 (18.1)
	Corn	14.8 (13.4)	17.6 (17.6)
	Cotton	10.2 (14.2)	20.4 (18.2)
	Barley	17.8 (10.4)	20.6 (16.3)
	Flaxseed	19.1 (10.4)	18.5 (17.9)
	Oats	19.6 (10.1)	20.3 (16.6)
	Hops	32.9 (24.3)	40.6 (31.2)
	Onions Detectors	53.4 (13.6)	50.6 (32.3)
31	Potatoes Foods	33.0 (34.3)	54.4 (39.4)
104	Bread: Cincinnati	1.7	5.4
	Bread: N. Y.	2.9	5.5
	Starch: corn	3.8	5.4
	Crackers: oyster	4.5	8.3
112	Crackers: soda	4.7	8.2
	Mutton: dressed	5.6	10.4
152	Tea	6.2	7.6
95	Butter: creamery extra, St. Louis	6.5	8.8
161	Vinegar	6.7	12.4
	Salmon	6.8	8.8
	Butter: creamery extra, N. Y.	7.4	9.3
150	Sugar: granulated	7.9	11.8
	Beef: fresh	8.0	8.8
113	Cod	8.2	8.0
99	Cheese	8.3	10.8
149	Sugar: raw	9.4	14.2
90	Butter: creamery firsts, N. Y.	9.4	10.9
	<u> </u>		<u> </u>

¹Where but one measure is given for a single commodity, it relates to calendar year variability. Where two are given, the first is based upon crop year prices, the second (in parenthesis) upon calendar year prices. The ranking is based upon the crop year measures in such cases.

TABLE VII (Cont.)

(1)	(2)	/25	(4)
(1)	(2)	(3)	(4)
Ref. No.	Commoditu	Measure	Measure
140.	Commodity	of price	of price
		variability	variability
		1890-	1890-
		1913	1924
	Foods (cont.)		
114	Herring	10.3	11.4
	Flour: rye	10.3 (12 4)	17.2 (16.4)
	Hams	10.4	11.7
146	Salt	10.4	11.0
141	Molagon	10.5	12.7
120	Flour: wheat, standard patents	11 2 /0 2)	15.5 (12.3)
130	Mest corn fine white	12.1	17.1
110	Flour: wheat, standard patents Meal: corn, fine white Flour: wheat, winter straights	12 7 (13 1)	16.7 (15.0)
140	Meal: corn, yellow table	13.0	16.9
145	Pepper		14.8
130	Prunes		19.7
68	Beef: salt	14.2	14.8
	Lard	15.4	17.3
	Pork: cured, short clear sides		16.9
75	Pork: cured, rough sides		16.9
115	Mackerel	15.9	17.0
131	Raisins		19.9
74	Pork: cured, salt mess	16.1	17.2
158	Cottonseed oil	16.1 (17.7)	10 2 (20 4)
	Coffee	17.3	20.5
129	Currants	20.0	20.3
128	Apples	22.4 (22.2)	22.5(26.5)
	Cloths and clothing		
223	Linen shoe thread	1.1	6.1
166	Men's shoes: black calf	1.6	6.3
213	Underwear: shirts and drawers	2.2	5.3
214	Underwear: union suits	2.6	10.7
199	Cotton thread	2.6	8.7
218	Poplar cloth	2.6	8.1
174	Men's shoes: vici kid	2.8	6.8
219	Sicilian cloth	2.8	8.2
177	Women's shoes	3.9	8.1
210	Suitings: Middlesex	4.7	9.1
173	Men's shoes: chocolate elk	4.7	6.7
206	Flannels: white	5.0	7.6
215	Broadcloth	5.2	9.0
193	Muslin: Wamsutta		11.4
187	Men's hosiery	5.4	9.5
189	Women's hosiery	5.5	9.4
192	Muslin: Rough Rider		11.7
197	Sheetings: 4-4 Pepperell R		12.0
191	Muslin: Lonsdale		12.0
217	Storm serge_		10.8
186	Ginghams: Lancaster		11.6
196	Sheetings: 4-4 Indian Head		13.2
181	Drillings: Pepperell		13.0
179	Calico		12. I
198	Sheetings: 4-4 Ware Shoals		14.6
190	Muslin: Fruit of the Loom		13.0
180	Denims	7.1	13.1
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	

TABLE VII (Cont.)

	TABLE VII (COLC.)		·
(1) Ref. No.	(2) Commodity	(3) Measure of price variability 1890– 1913	(1) Measure of price varia bility 1890- 1924
221	Cloths and clothing (cont). Worsted yarns: 2-40's	7.1	11.8
	Drillings: Mass. D.	7.2	13.8
184	Flannel: unbleached	7.2	15.4
185	Ginghams: Amoskeag	7.4	11.8
	French serge	7.8	11.6
	Flannel: colored	8.5	17.1
	Worsted yarns: 2-32's	8.6	13.8
203	Cotton yarns: carded, cones 22/1	8.7	14.9
202	Cotton yarns: carded, cones 10/1	9.9	16.2
226 228	Cotton yarns: carded, cones 10/1 Silk: raw, Japanese Kansai No. 1 Silk: raw, Japanese extra-extra	10.4 11.5	13.3
195	Sink: raw, Japanese extra-extra Print cloths	11.5	14.6 17.9
173	Fuel and lighting	***'	1
224	Matches	2.2	4.0
	Anthracite coal: broken	3.0	5.1
235	Anthracite coal: stove	4.9	5.8
234	Anthracite coal: egg	5.3	5.7
233	Anthracite coal: chestnut	5.4	5.5
236	Anthracite coal: egg Anthracite coal: chestnut Bituminous coal: Kanawha	7.2	12.3
238	Bituminous coal: Pocanontas	7.4	10.5
249	Petroleum: refined 150° fire test	10.0	10.5
248 237	Petroleum: refined for export	10.2	12.6
	Bituminous coal: New River Petroleum: crude	10.5 19.4	13.7 20.8
	Coke	21.2	36.3
	Metals and metal products		00.0
287	Trowels	.2	4.0
272	Saws: crosscut	1.0	5.2
	Saws: hand] 1.0	4.6
	Hammers	2.5	6.6
	Shovels	2:8	5.9
	Files	3.1	6.0
271 251	Planes Butts	3.5	8.0
		5.9 6.1	11.9 13.4
299	Quicksilver Silver	6.6	9.4
297	Lead: pipe	7.0	12.5
288	Vises	7.1	10.6
296	Lead: pig	7.3	14.1
	Steel rails	7.8	9.7
252	Chisels	9.0	10.2
250	Augers	9.1	12.8
301	Zinc: sheet	9.2	14.7
289	Wire: fence	9.7	11.4
258	Locks Door knobs	10.0	13.1
253		10.3	12.0
200 294	Bar iron; from store, Phila.	10.8 11.7	16.0 13.3
302	Copper: sheet Zinc: slab	11.9	17.8
295	Copper: wire	12.0	14.8
			<u> </u>

TABLE VII (Cont.)

	TABLE VII (CORE.)		
(1) Ref. No.	(2) Commodity	(3) Measure of price variability 1890– 1913	(4) Measure of price variability 1890– 1924
	Metals and metal products (cont.)		
300	Tin: pig	12.9	16.2
267	Bar iron: from mill, Pittsburgh	13.3	19.3
293	Copper: ingot	13.3	15.2
259	Pig iron: basic	13.5	19.3
269	Nails: wire	13.8	15.3
260 276	Pig iron: Bessemer Steel billets	15.5 15.6	19.8
261	Pig iron: foundry No. 2 Northern	16.2	21.3 20.3
263	Pig iron: foundry No. 2 Southern	16.8	20.7
291	Wood screws	17.8	20.3
	Building materials		
308	Maple, N.Y.	3.0	9.9
355	Zinc: oxide of	4.1	6.5
312 310	Oak: white, quartered, N. Y.	4.3 4.6	9.9 9.9
	Oak: white, plain, N. Y. Lead: carbonate of	5.1	7.5
338	Lime	5.4	8 4
319	Poplar: N. Y.		10.3
317	Pine: yellow siding		11.9
313	Pine: white boards	6.5	9.6
324	Shingles: red cedar		11.6
323 349	Shingles: cypress Putty	7.0 7.3	9.9 8.3
321	Spruce	7.3	9.6
			13.6
327			13.9
	Tar	10.6	13.6
	Glass: plate, 5-10 sq. ft.		14.9
			14.8
			19.6 14.6
			17.5
350	Rosin		18.3
			19.0
	Chemicals and drugs		
363	Alum	2.1	6.9
393	Alcohol: grain	2.3	5.2
360 381	Acid: sulphuric		10.8 10.3
357	Acid: muratic	9.0	14.0
	Soda: bicarbonate of		12.0
362	Alcohol: wood	11.2	19.8
382			14.5
			16.1
400	y		16.6
397	Opium House-furnishings	16.4	21.7
429	Teacups and saucers	2.3	7.3
	Carvers	2.4	6.6
428	Plates	2.5	7.0

TABLE VII (Conc.)

(1) Ref. No.	(2)	(3) Measure	(4) Measure
140.	Commodity	of price variability	of price variability
		1890-	1890-
	·	1913	1924
	House-turnishings (cont.)		
419	Carpets: Wilton	2.8	6.7
431	Tubs	3.1	11.2
418	Carpets: Brussels	3.1	7.8
	Kitchen: tables	3.4	9.2
425	Nappies	3.5	8.0
	Carpets: Axminster	4.9	8.4
	Blankets: cotton	5.2	11.9
	Pitchers	5.2	8.6
	Blankets: woolen	5.3	9.1
	Knives and forks	5.9	8.6
	Kitchen: chairs	6.0	10.9
	Sheeting: 10-4 Wamsutta	6.0	10.6
	Bedroom: sets	6.3	11.2
	Pails	6.3	11.9
427	Tumblers	6.7	11.4
430	Tickings: Amoskeag	6.9	14.9 11.2
423 405	Sheeting: 10-4 Pepperell	7.1 7.4	10.4
405	Bedroom: chairs Miscellaneous	/ · 4	10.4
457		1.7	4.0
	Tobacco: smoking Tobacco: plug	3.0	6.2
444	Paper: wrapping, Manila	3.3	8.3
441	Leather: sole oak, scoured backs	5.0	7.8
436	Leather: calf	5.8	10.6
	Leather: harness oak	5.9	7.6
	Leather: sole oak	5.9	7.9
	Cottonseed meal	7.1	9.7
	Paper: newsprint	8.3	10.9
	Starch: laundry	8.7	10.8
	Jute	15.3	17.5
450	Rope	15.3	16.4
451	Rubber	15.9	16.6
		<u> </u>	

TABLE VIII

MEASURES OF PRICE VARIABILITY

Indexes of Frequency of Change in Monthly Commodity Prices, at Wholesale, 1890-1925, by Periods

(Commodities arranged within each group in order of magnitude of the measures in column 9.)

(1) Ref. No.	(2) Commodity	(3) 1890– 1897	(4) 1898– 1905	(5) 1906 1913	(6) 1914– 1921	(7) 1922– 1925	(8) 1890– 1925 inclu- sive	(9) 1890- 1925 ex- clud- ing 1914- 1921
47 49 42 22 37 25 34 1 5 13	Farm products Rice Wool: medium Wool: fine clothing Hops Milk Onions Hides Beans Hay Cotton Flaxseed Barley Rye Cattle: choice to prime Cattle: good to choice Potatoes Corn Oats Eggs Wheat Hogs: heavy Hogs: light Sheep: ewes Sheep: wethers	.31 .56 .55 .94 .77 .91 .89 .98 .98 .98 .98 .98 .1.00 1.00 1.00 1.00 1.00 1.00	99 1.00 1.00	.75 .87 .85 .93 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	.64 .62 .78 .87 .96 .92 .97 1.00 1.00 .99 1.00 .99 1.00 .91	.73 .85 .73 .62 .96 1.00 1.00 1.00 1.00 1.00 1.00 1.00	99 99 1.00 1.00 98 1.00 1.00	.42 .54 .55 .78 .82 .92 .93 .98 .99 .99 .99 .99 .1.00 1.00 1.00 1.00 1.
111 112 148 161 152 116 141 113 114	Bread: Cincinnati Bread: N. Y. Crackers: oyster Crackers: soda Starch: corn Vinegar Tea Salmon Molasses Cod Herring Salt Raisins Mackerel Prunes	.04 .02 .06 .08 .07 .05 .23 .19 .33 .48 .60 .36 .75	.03 .08 .13 .14 .09 .26 .28 .34 .31 .52 .60		.14 .48 .21 .22 .41 .26 .68 .23 .41 .44 .53	.02 .10 .02 .02 .21 .17 .56 .27 .44 .44 .44	.51 .57	.03 .03 .05 .07 .08 .11 .19 .26 .26 .35 .39 .40 .53 .58

TABLE VIII (Cont.)

===								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ref.	(2)	1890-	1898-	1906-	1914-	1922-	1890-	1890-
No.	Commodity	1897		1913	1921	1925	1925,	1925.
	Commonly	1.07.	1700	1/10	-/	^^=	inclu-	ex-
		1				l		clud-
		1		1		l	M.VC	ing
		1		•		l		1914-
		1		[l		1921
								1721
	Foods (cont.)				ł	l		
150	Sugar: granulated	.76	.61	.67	.73	1.00	.73	.72
129	Currants	.90		.52	.62	1.67	.72	.74
68	Beef: salt	87	.81	.68	.54	.62	71	.76
149	Sugar: raw	.69		.74	70	1.00	.76	.78
139	Meal: corn, fine white	94		.57	84	1.98	.80	.79
140	Meal: corn, yellow table	97	78	.60			.81	.81
128	Apples	.87	.79	.84	.83 .84		.84	.84
145	Pepper	.85			97	.87	.88	.85
117	Flour: rye	87	.88	.77	89		.87	.86
158	Cottonseed oil	.81	.96		1.00		94	.93
109	Coffee	.97	88		1.00	1.98		.93
64	Beef: fresh	.96	.98	.93	.99	.98	.96	.96
69	Hams	.94	.98	.98	:38		.97	.97
75	Pork: cured, rough sides	.99	.98	.98	1.00		.98	.97
99	Cheese	.99	95	97	1.00		.98	97
71	Mutton	97	97	1.00			98	.98
119					,95		.97	.98
74	Flour: wheat, winter straights Pork: cured, salt mess	.99	.97 .99	.99 .99	.97	.98 .98	.98	.99
138	Lard	.99	99	.98	1.00		.99	.99
89	Butter: creamery extra, N. Y.	.99	99	1.00	1.00		99	.99
95	Butter: creamery extra, St. Louis	1.00		1.00			99	.99
76	Pork: cured, short clear sides	1.00		99	1.00	1.98	.99	.99
9ŏ	Butter: creamery firsts, N. Y.	.98						.99
120	Flour: wheat, standard patents	1.00		1.00				. 99
120	l Li . 7	1.00	. , , 6	1.00	1.00	1.00	.,,,	.,,,
	Cloths and clothing							
213	Underwear: shirts and drawers	.02	.01	.01	.10	.06	.04	.02
199	Cotton thread	.02	.01	.03	.17	.04	.05	. 02
214	Underwear: union suits	.03	.04	.01	.17	.04	.06	.03
223	Linen shoe thread	.02	.05	.00	,21	.06	. 07	.03
	Poplar cloth	.04	.08	.04	.21	.06	.09	.06
174	Men's shoes: vici kid	.02	.07	. 10	.36	.04	.13	.06
166	Men's shoes:black calf	00.	.04		.36		. 14	.07
219	Sicilian cloth	.03	.07	.09	.30	.12	.12	.07
210	Suiting: Middlesex	.04		.08	.36		. 15	.09
215	Broadcloth	.03		.12	.35	.19	. 14	.10
216	French serge	.08		.11	.32	14	. 15	.11
206	Flannels: white	.10		.09	.18	.14	. 13	.12
177	Women's shoes	.08		.21	.48	10	.21	. 13
217	Storm serge	.11	.22	.08		.09	.18	.13
193	Muslin: Wamsutta	.09	.14	.14	.41	.17	.19	.13
186	Ginghams: Lancaster	.15		.21	.41	11.	.20	.15
179	Calico	.09	.08	.21	.40	.35	.21	.16
185	Ginghama: Amoskeag	.16			.27	.12	. 19	.16
184	Flannel: unbleached	.05				. 32	. 24	. 18
183	Flannel: colored	.05	.28	.20	.44		. 25	.20
173	Men's shoes: chocolate elk	.29				.19	.29	.26
196	Sheetings: 4-4 Indian Head	.26	.28	.27	. 4 5	.37	.32	. 29
	<u> </u>	ļ	l	l	ţ	1		

TABLE VIII (Cont.)

(1) Ref.	(2)	(3) 1890–	(4) 1898–	(5) 1906–	(6) 1914–	(7) 1922–	(8) 1890–	
No.	Commodity	1897	1905	1913	1921	1925	inclu-	1925 ex- clud- ing 1914- 1921
181 190 180 197 191 220 192 221 198 202 203 228 226 182	Cloths and clothing (cont.) Drillings: Pepperell Muslin: Fruit of the Loom Denims Sheetings: 4-4 Pepperell R Muslin: Lonsdale Worsted yarns: 2-32's Muslin: Rough Rider Worsted yarns: 2-40's Sheetings: 4-4 Ware Shoals Cotton yarns: carded, cones 10/1 Cotton yarns: carded, cones 22/1 Silk: raw, Japanese extra-extra Silk: raw, Japanese Kansai No. 1 Drillings: Mass D	.34 .26 .17 .36 .24 .37 .15 .29 .94 .66 .80	.24 .36 .34 .30 .47 .36 .49 .61 .72 .68	.33 .28 .25 .35 .31 .34 .53 .71 .79 .85	.59 .48 .64 .52 .53 .67 .74 .80 .91	.67 .33 .81 .51 .50 .67 .71 .96 .98 .98	.37 .36 .37 .40 .41 .42 .46 .49 .75 .78 .81 .82	.34 .34 .38 .39 .40 .41 .74 .74 .79 .81
195 244	Drillings: Mass. D Print cloths Fuel and lighting Matches	.97 .93	.98 .87 .01	.67 .81	.93 . 0 5	.94 .94 .02	.84 .89 .02	.88 .88 .01
237 249 238 236 248 247 239 232 235 234	Bituminous coal: New River Petroleum: refined, 150° fire test Bituminous coal: Pocahontas Bituminous coal: Kanawha Petroleum: refined, for export Petroleum: crude Coke Anthracite coal: broken Anthracite coal: stove	.17 .37 .21 .71 .64 .97 .38 .96	.31 .22 .28 .37 .68 .41 .60 .98	.41 .10 .48 .25 .27 .24 .92 .58	.33 .29 .26 .27 .56 .46 .72 .93 .94	.44 .87 .62 .37 .48 .73 .98 .72 .88	.32 .31 .34 .38 .53 .54 .69 .85 .92	.32 .37 .41 .52 .56 .68 .82 .92
233	Anthracite coal: egg Anthracite coal: chestnut Metals and metal products	. 99 . 95	.90 .93	.84 .89	.95	.98	.93	.93
272 287 273 273 255 250 252 274 253 258 251 288 291 294 294 297 301	Saws: crosscut Trowels Saws: hand Planes Hammers Augers Chisels Shovels Door knobs Locks Butts Vises Files Files Steel rails Wood screws Copper: sheet Lead: pipe	.00 .00 .01 .03 .01 .05 .06 .02 .03 .11 .08 .08 .11 .35	.00 .00 .04 .05 .08 .09 .05 .05 .11 .10 .18 .52	.01 .01 .05 .02 .07 .08 .07 .04 .08 .29	.10 .04 .12 .13 .09 .20 .14 .20 .16 .19 .14 .30 .67	.02 .02 .00 .10 .04 .19 .21 .17 .04 .357 .85	.03 .04 .05 .09 .08 .10 .10 .10 .12 .13 .13 .27 .44 .44	.01 .01 .03 .04 .06 .07 .07 .07 .09 .10 .12 .26 .35 .43
301	Zinc: sheet	. 24	.34	.48	.48	.65	. 37	

TABLE VIII (Cont.)

_	111000		COLL.		 _			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(0)
Ref.	(2)	1890-	1898–	(5) 1906–	1914-	(7) 1922–	(8) 1890-	(9) 1890
No.	Commodity		1905			1925		1925
						^	inclu-	
		i	1		1	i I	sive	clud-
		'						ing
						l		1914-
	. <u></u> .				· '	ľ	·	1921
	Metals and metal products (cont.)							
269	Nails: wire	. 75	3 27	20	50	اءما	4.0	1.2
	Bar iron: from mill, Pitts.	.39	.37 .43		. 52 . 59	.46 .39	.48	46
266	Bar iron: from store, Phila.	.61	.50		.59	.54	.50 .51	.47 .48
289	Wire fence	.69		.32		.46		
298	Quicksilver	.66		.50	.54 .72	94	.63	
295	Copper: wire	. 68	. 67	. 52	. 72	.81	. 66	
263	Pig iron: foundry No. 2 Southern	.64		. 69	. 70	. 85	.73	.73
259	Pig iron: basic	.61	. 84	.79		.92	. 75	.77
296	Lead: pig	.98			.86	.94	. 82	.80
276 261	Steel billets	.99		.68	. 69	.69	- 78	.81
260	Pig iron: foundry No. 2 Northern Pig iron: Bessemer	.75 .98	. 87 . 92	. 83	.70		.80	
293	Copper: ingot	90	.82	.78 .94	. 63 . 84	.87 .94	. 83	.89 .89
302	Zine: slab	.96		.96	.99	1.00	.88 .96	.95
300	Tin: pig	98		.96	.95	1.00	.97	.98
299	Silver	1.00		1.00	.97	1,98	.99	
	Building materials	1						, , , ,
349	Putty	.04	.11	.02	.11	.04	.07	.06
308 355	Maple: N. Y.	.00	.16	.09	.23	.19	.13	.10
	Zinc: oxide of Oak: white quartred, N. Y.	.14	.08	.05	- 18	.23	.12	.11
313	Pine: white boards	09. 80,	. 23	.12 15	.24	.14	.17	. 15
	Shingles: cypress	.07	.08	.37	.29	. 12	.18	.15
	Oak: white plain, N. Y.	.06	.20	.31	.36	.27	.23	.20
319	Oak: white plain, N. Y. Poplar: N. Y.	.07	24	.25	.37		. 24	.20
31/	Pine: yellow siding	.11	. 12	.10	.36	.83	.25	.22
	Lead: carbonate of	. 25	.22	. 19	.36	.54	.29	.26
	Spruce	.25	.18	. 14	.33	.83	. 29	.28
345 344	Glass: window, B	.29	.38	.25	. 17	.17	.26	
	Glass: window, A Doors	.29 .35	.39 .28		.15	.17	.26	.29
	Shingles: red cedar	.09			.42 .81	.35	.33	.30
338	Lime	.48		.10	.39	.94 .98	.48 .41	.39
352	Tar	.80		41	. 61	.11	.58	
327	Brick	.45	. 60	.77	.70		.63	
	Linseed oil	.51	.64	.72	.96		.74	.68
350	Rosin	.84	80	.97	.95	.98	.90	
353	Turpentine: spirits of	.94	.98	.98	1.00	1.00	.98	.97
	Chemicals and drugs	J.	J '	•				
357	Acid: muriatic	.18	.05	.02	.37	.14	.15	.09
363	Alum	. 29	.05	.00	.38	.10	.17	.11
377	Soda: bicarbonate of	.19	.12	.02	. 39	.14	.18	
360	Acid: sulphuric	.18	.12	.04	. 27	. 25	.16	. 13
362 400	Alcohol Quinine	.17	.10	.09	.46		. 23	
393	Alcohol: grain	. 29			.21		.30	
396	Glycerine	.54	.47 .29	. 28 . 70	.43	.21	.40	.40
	1	`**	. 29	. 10	.84	.62	.53	.43
		<u> </u>	<u> </u>				·	

TABLE VIII (Conc.)

(1) Ref.	(2)	(3) 1890-	(4) 1998–	(5) 1996–	(6) 1914–	(7) 1922-	(8) 1890–	(9) 1890–
No.	Commodity					1925		1925
	,						inclu-	
			1				sive	clud-
			İ					ing
		1		j			1	1924-
	<u> </u>	ŀ]					1921
	Chemicals and drugs (cont.)							
381	Sulphur	.80	.74	.05	.17	.14	.41	.47
397	Opium ·	.90		.86		25	76	79
382	Tallow	.99	.97	.94	.93	.94		
002	House-furnishings	'''	1	,,,	,,,,	''^^	'^`	''"
425	Nappies	.01	.01	.06	.17	.06	.06	.03
414	Kitchen tables	.02	.02	.05	.22	.14	.08	
428	Plates	.03	.07				.07	.05
426	Pitchers	.01	.03				.08	
429	Teacups and saucers	.03	.07	.06		.04	07	
405	Bedroom chairs	.03						
412	Kitchen chairs	.02	.09					
418 419	Carpets: Brussels Carpets: Wilton	.05	.04 .05		. 30 . 28			.07 .07
427	Tumblers	.05	.08		.20	.14	.10	
406	Bedroom sets	.03	.05	.09	.31		. 14	.09
	Sheeting: 10-4 Wamsutta	.07	.06					.09
417	Carpets: Axminster	.09		.06			14	.10
	Tickings: Amoskeag	.19	.30			.21		.24
423	Sheeting: 10-4 Pepperell	.34	.26		.50	.56		
,	Miscellaneous						,	
457	Tobacco: smoking	.00	.04	.03	.06	.02	.03	.02
456	Tobacco: plug	.18			.06			
	Paper: wrapping, Manila	.14	.19				.21	.17
455	Starch: laundry	.23	.22	.27	.31	.06	23	.21
	Leather: calf	.32	. 14	. 27			.32	.25
	Leather: harness oak	.24				.37		
440	Leather: sole oak	.45	.24	.19			.32	
443	Paper: newsprint	.27				.29	.36	
	Leather: sole oak, scoured backs	.37				.54	.46	
450	Rope	.46				.39	.46	. 17
448 433	Jute Cottonand man	.48				.79		.61 .71
451	Cottonseed meal Rubber	.69				.83 .98		
-131	Luoner	.93		. 23	'0'	٥٠٠ ا	.,,,	. , , ,
-	!					·	<u> </u>	<u>'</u>

TABLE IX

Average Annual Rates of Change in Prices and Purchasing Power of Commodities, at Wholesale, 1896-1913

(Commodities arranged within each group in order of magnitude of measures of change)

		,	
(1) Ref. No.	(2) Commodity	(3) Average annual rate of change in price, 1896–1913	(4) Average annual rate of change in pur- chasing power, 1896-
		Per cent	Per cent
	Parma mandarata	i	
53	Rice	,15	-2.4
	Onions	- :01	-2.3
59	Wool: medium	.91	—2.3 —1.4
17	Sheep: ewes	1.2	i.i
56	Wool; fine clothing	1.6	—
19	Sheep: wethers	1.6	_ :7
47	Milk	2.4	.03
6	Wheat	2.6	.20
13	Cattle: choice to prime	3.1	
14	Cattle: good to choice	3.2	.8
42	Hides	3.4	1.0
34	Flaxseed	3.6	1.2
22	Beans	3.9	1,5
25	Cotton	3.9	1.5
31	Eggs	4.0	1.6
5	Rye	4.1	1.7
51	Potatoes	4.3	1.9
37	Hay	4.3	1.9
4	Oats	4.4	2.0
16	Hogs: light	4.5	2,1
15	Hogs: heavy	4.6	2.2
2	Corn	4.9	2.5
44	Hops	5.2	2.8
1	Barley	5.7	3.3
	Foods	·	
152	Tea.	-1.4	—3.7
115	Mackerel	— .4	-2.6
112	Crackers: soda	2	2.5
150	Sugar: granulated	1 .1	-2.2
149	Sugar: raw	.2	— 2.1
145	Pepper	.4	1.9
131	Raisins	.4	-1.9
104	Bread: Cincinnati	.6	1.7
141	Molasses	1.4	9
119	Flour: wheat, winter straights	1.4	- 9
148	Starch: com	1.6	8. —
120	Flour: wheat, standard patents	1.8	— .5
146	Salt	1.9	4
128	Apples	1.9	— . <u>4</u>
71	Mutton: dressed	2.1	— .2
161	Vinegar	2.1	— .2
106	Bread: N. Y.	2.1	2
		l	<u> </u>

TABLE IX (Cont.)

	TADDE IX (COR.)		
(1) Ref. No.	(2) Commodity	(3) Average annual rate of change in price, 1896–1913 Per cent	(4) Average annual rate of change in purchas- ing power, 1896-1913 Per cent
130 64 109 117 114 95 89 90 69 139 99 136 113	Crackers: oyster Currants Salmon Prunes Beef: fresh Coffee Flour: rye Herring Butter: creamery extra, St. Louis Butter: creamery extra, N. Y. Butter: creamery firsts, N. Y. Hams: smoked Meal: corn, fine white Cheese Glucose Cod Meal: corn, yellow table Beef: salt Pork: cured, Rough sides Pork: cured, short clear sides Lard Cottonseed oil Pork: cured, salt mess	2.3 2.3 2.5 2.6 2.6 2.8 2.1 2.3 3.5 3.5 3.5 4.5 4.5 5.6 4.5 5.6 4.5 5.6 4.5 5.6 4.5 5.6 4.5 5.6 6.1	1 04 01 .1 .3 .4 .6 .7 .8 1.0 1.1 1.2 1.2 1.3 2.0 2.1 2.1 2.2 2.6
189 192 214 179 212 218	Cloths and clothing Women's hosiery: silk mercerized Silk: raw, Japanese Kansai, No. 1 Linen shoe thread Silk: raw, Japanese extra-extra Women's hosiery: single thread Muslin: Rough Rider Underwear: union suits Calico Trousering Poplar cloth Men's shoes: black calf Cotton thread Men's hosiery Muslin: Wamsutta Underwear: shirts and drawers Ginghams: Lancaster Sicilian cloth Worsted yarns: 2-32's Women's shoes Sheetings: 4-4 Ware Shoals Cotton yarns: carded, cones 22/1 Worsted yarns: 2-40's Flannels: white	1 05 .3 .8 .8 1.1 1.4 1.4 1.5 1.5 1.5 1.6 1.7 1.7 1.9 1.9	-2.4 -2.3 -2.0 -1.5 -1.5 -1.5 -1.2 -1.9 9 9 9 9

TABLE IX (Cont.)

	TABLE IA (COIL.)		
(1) Ref. No.	(2) Commodity	(3) Average annual rate of change in price, 1896–1913 Per cent	(4) Average annual rate of change in purchas- ing power, 1896-1913 Per cent
191 197 190 174 209 173 210 211 208 185 202 184 196 180	Cloths and clothing (cont.) Storm serge Muslin: Lonsdale Sheetings: 4-4 Pepperell R Muslin: Fruit of the Loom Men's shoes: vici kid Suiting: clay worsted, 16 oz. Men's shoes: chocolate elk Suiting: serge, 11 oz. Suiting: serge, 9½ oz. Ginghams: Amoskeag Cotton yarns: carded, cones 10/1 Flannel: unbleached Sheetings: 4-4 Indian Head Denims Print cloths Drillings: Pepperell French serge Flannel: colored Broadcloth Drillings: Mass. D	2.1 2.2 2.2 2.3 2.5 2.5 2.5 2.6 2.7 2.8 3.3 3.3 3.3	321105 .11105 .1 .1 .2 .3 .3 .4 .5 .7 .8 .9 .9 1.9
248 235 237 232 236 234	Fuel and lighting Matches Coke Bituminous coal: Pocahontas Petroleum: refined, 150° fire test Petroleum: refined, for export Anthracite coal: stove Bituminous coal: New River Anthracite coal: broken Bituminous coal: Kanawha Anthracite coal: egg Anthracite coal: chestnut Petroleum: crude	-1.2 .5 .9 1.1 1.7 2.0 2.1 2.2 2.3 3.5	-3.5 -1.8 -1.4 -1.4 -1.2633211
299 269 287 273 291 286	Metals and metal products Steel sheets Shovels Wire: fence Silver Nails: wire Trowels Saws: hand Wood screws Tin: plate Files Quicksilver Saws: crosscut	87 54 22 12 23 55 55	-3.0 -3.0 -2.7 -2.7 -2.5 -2.2 -2.1 -2.1 -2.0 -1.9 -1.8 -1.8

APPENDÍX

TABLE IX (Cont)

(1) Ref. No.	(2) Commodity	(3) Average annual rate of change in price, 1896–1913 Per cent	Average annual rate of change in purchas- ing power, 1896-1913 Per cent
295 267 297 266 280 293 259 275 294 261 296 263 251 301 301 302 258 253 253 253	Metals and metal products (cont.) Copper: wire Bar iron: from mill, Pittsburgh Lead: pipe Bar iron: from store, Phila. Steel rails Copper: ingot Pig iron: basic Steel billets Hammers Copper: sheet Pig iron: foundry No. 2 Northern Lead: pig Pig iron: Bessemer Planes Pig iron: foundry No. 2 Southern Butts Zinc: sheet Zinc: slab Vises Chisels Locks Door knobs Augers Tin: pig Building materials	.6 .7 .8 .9 1.0 1.1 1.1 1.2 1.3 1.4 1.7 1.7 2.1 2.2 2.8 3.0 4.2 5.6	-1.7 -1.6 -1.5 -1.4 -1.3 -1.3 -1.2 -1.2 -1.1 -1.0 -1.09621 .7 1.8 2.6 3.0 3.2
330 349 343 345 342 342 354 308 355 323 324 353 348 338 310 312 321 317 359	Cement: Portland Putty Glass: plate, 5-10 sq. ft. Glass: window, B Glass: plate, 3-5 sq. ft. Glass: window, A Brick	-2.6 -2.3 -1.5 7 6 1 1.2 1.7 2.0 2.1 2.4 2.6 2.7 3.0 3.0 3.1 3.2 4.5 4.5 4.7	-4.8 -4.6 -3.7 -3.0 -2.8 -2.4 -1.1732 .1 .3 .4 .6 .7 .7 .9 1.7 2.1 2.3

TABLE IX (Conc.)

(1) Ref. No.	(2) Commodity	(3) Average annual rate of change in price, 1896-1913 Per cent	(4) Average annual rate of change in purchas- ing power, 1896-1913 Per cent
313 350 362 400 377 360 381 363 357 393 396 382	Building materials (cont.) Pine: white boards Rosin Chemicals and drugs Alcohol: wood Quinine Soda: bicarbonate of Acid: sulphuric Sulphuric Sulphuric Alum Acid: muriatic Alcohol: grain Glycerine Tallow	5.0 10.2 -3.4 -3.1 -2.0 4 .4 .5 .7 2.4 3.5	2.6 7,7 —5.6 —5.4 —4.2 —2.7 —1.9 —1.8 —1.8 —1.6 .01
397 427 426 421 420 424 429 428 425 418 410 412 413 411 415	Opium House-furnishings Tumblers Pitchers Knives and forks Carvers Sheetings: 10-4 Wamsutta Teacups and saucers Plates Nappies Carpets: Brussels Carpets: Axminster Blankets: woolen Carpets: Wilton	6.5 -2.5 -1.8 4 1 .1 .2 .3 .5 1.7 1.8 1.8 2.0 2.0 2.2 3.1 3.1	4.1 -4.7 -4.0 -2.7 -2.4 -2.2 -2.1 -2.0 -1.8 6 6 5 5 3 2
405 406 443 444 456 457 450 455 440 438 436 441 451 433	Bedroom: chairs Bedroom: sets Miscellaneous Paper; newsprint Paper: wrapping, Manila Tobacco: plug Tobacco: smoking Rope Starch: laundry Leather: sole oak, hemlock Leather: harness oak Leather: calf	3.5 5.0 1.0 4 .8 1.2 1.2 1.3 1.4 1.7 1.9 2.3 2.9 4.8	1.2 2.6 -3.3 -2.7 -1.5 -1.1 -1.1 -1.0 7 5 4 05

TABLE X

MEASURES DESCRIBING THE BEHAVIOR OF WHOLESALE COMMODITY PRICES DURING PERIODS OF REVIVAL AND RECESSION IN AMERICAN BUSINESS, 1890-1925

Timing of Cyclical Movements in Individual Commodity Prices at 21 Turning Points in General Prices.¹

	Periods Periods																					
Ref. No.	Commodity	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) Hgh (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept. 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(20) High (Apr. 1923)	(21) Low (June 1924)
2 4 5 6 13 14 15 16 17 19 22 23 34 44 7 49	Farm products *Barley *Corn *Coats *Rye *Wheat Cattle: choice to prime Cattle: good to choice Hogs: heavy Hogs: light Sheep: ewes Sheep: wethers *Beans Cotton *Eggs *Flaxseed *Hay Hides *Hops Milk *Onions *Potatoes Rice Wool: fine clothing Wool: medium *Foods	+ 2 + 4 - 8 SS - 15 - 20 - 20 - 17 + 17 + 20 - 20	+ 3000	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 66 - 33 - 75 - 60 8 - 32 - 32 - 32 8 8 8 - 15	- 10 - 88 - 99 - 12 - 13 - 88 - 18 - 18 - 18 - 18 - 18 - 16 - 13 - 13 - 12 - 12 - 12 - 8	- 15 - 23 - 23 - 23 - 70 00 00 *+15 8 R R R R R R R R R R R R R R R R R R R	#—19 #—23 ——8		+ 13 + 19 + 13 * 19 R = 19 R = 12 + 15 + 15 - 88 + 19 + 23 + 111 + 111 + 111 + 111 R R	32 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 	L.C. #—11 + 2 + 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	- 1 - 3 + 1 - 1 - 1 - 1 + 2 - 7 + 18 + 20 - 6 - 6 - 6 - 7 - 6 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	+ 12 + 12 + 12 + 12 - 28 + 12 - 21 - 16 + 11 + 10 - 11 + 10 - 13 - 13	+ 11 + 12 - 10 - 15 + 13 - 14 + 13 - 14 + 10 - 10	+ 4 + 60 - 55 - 15 - 2 - 10 - 10 - 10 - 11 - 19 - 15	- 8 + 4 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	+ 12 - 6 - 10 -	77 1 22 77 1 4 1 10 1 + 29 1 + 39	+ + - 13	- 10 R R - 11 \$-14 + 3 \$-12 - 6 - 12 - 11 - 11 - 11 - 11 - 12 + 11 - 12 + 20 + 4 - 0
64	Beef: fresh	+ 1	+ 0	s 12	<u> </u>	13	- 7	- 4	— з	+ 16	<u> -</u>	0		+ 1	+ 11	+ 5	— a	+ 4	+ 4		+ 8	+ 5

¹The figures in the various columns indicate the number of months by which the price turns of specific commodities precede (→) or lag behind (+) the major turns of the general price index. The symbols I. C., C, S and R represent, respectively, irregularly constant, sagging, and rising prices. The dates of the reference points are given at the heads of the several columns. For a detailed explanation of the method employed, and for an explanation of the periods, see text, pp. 78-82.

^{*}The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation, see text, pp. 81, 102.

⁵ These entries fall outside the normal limits defining given cyclical phases. For an explanation of these limits, see text, pp. 80-81.

TABLE X (Cont.)

		<u> </u>								-		riods										
Ref. No.	Commodity	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) High (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(20) High (Apr. 1923)	(21) Low (June 1924)
95 104 106 109 111 113 114 115 116 117 119 120 128 129 131 138 139	Foods (cont.) Beef: salt Hams Mutton Pork, cured salt mess Pork: cured, rough sides Pork: cured, short clear sides: Butter: creamery extra N. Y. Butter: creamery extra St. Louis *Cheese Bread: Cincinnati Bread: N. Y. Coffee Crackers: oyster Crackers: soda Cod Herring Mackerel Salmon *Flour: rye *Flour: wheat, standard patents *Apples *Currants Prunes Raisins Lard Meal: corn, fine white	+ 36 - 16 - 15 - 15 - 10 - 15 - 10	+ 80 + 80 + 10 + 11 + 11 + 12 + 12 + 15	1895) 100 110 100 100 100 100 100 1	1895)	1897)	1900)	# 1901)	1902) - 4 + 10 - 5 - 3 0 0 + 2 + 2 + 14 + 14 + 14 + 15 * + 28 * + 27 + 23 * - 24 + 23 * - 24 - 11 + 28 * - 27 + 20 - 14 - 15 * - 12 * - 20	1904)	1907) + 11 - 5 + 6 - 3 - 8 - 8 - 8 - 5 - CC - 14 - CC - 3 - 10 - 10 - 12 - 10 - 12 - 18	+ 1508) + 150 + 77 0 0 0 + 5 5 + 6 6 + 5 5 + 144 C2 11 8 + 131 8 + 31 1 + 6 2 16 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1910) + 63 + 30 - 1 - 1 - 4 - 4 - 4 - 10 + 19 + 14 - 10 - 10 + 18 - 10	1911) + 17 + 5 + 4 + 6 + 6 + 2 - 2 + 18 + 10 - 10 + 23 + 23 + 23	+ 112 + 20 + 11 + 11 + 11 - 20 - 20 - 18 + 18 - 9 - CC + 17 - CS - 16 - 16 + 11 + 18 + 18 + 18	+ 12 + 10 + 10 + 10 + 10 - 7 - 7 #—18 R R + 21 + 1 + 1 + 1 + 10 + 10 - 7 - 7 #—18 - 18 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	1918) R #+11 - 4 5 11	1919) + 7 - 8 - 8 - 0 0 0 0 - 13 - 14 + 18 + 15 5 + 15 7	1920) # 11 + 10 # 10 # 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	+ 10 - 1 - 2 0	1923)	7924) - 9 - 4 - 4 - 2 - 5 + 3 + 4 + 3 - 7 - 7 - 7
140 141 145 146	Meal: corn, yellow table Molasses Pepper *Salt	- 18 + 3 + 2	+ 9	13 + 9 - 12		- 8 + 2 - 15 - 4	- 11 + 3 + 7 + 11	- 18 - 4 + 11 # +23	- 11	- 14 + 16 + 22	+ 11 + 1 - 4	+ 12 + 22 + 9 + 4				#—18 + 33 #—19 + 1		+ 2 R + 2 R	+ 1 + 5 - 10 + 13	+ 6 - 4 + 13	+ 6 + 10 C	Ö

TABLE X (Cont.)

									•	Pe	riods										
Ref. Commodity No.	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) High (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept. 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(Apr.	(21) Low (June 1924)
Starch: corn 148 Starch: corn 149 Sugar: raw 150 *Sugar: granulated *Tea 158 Cottonseed oil *Vinegar	+ +	+ 11 +	6 10 1 7	+ + + + + + + + + + + + + + + + + + + +	C 7 - 4 - 9 + 7 + 16	# +14 + 5 + 5 - 12 + 1 + 2	+ 12 + 16 + 5 - 6	R # +27 # +30 + 2 - 4	R + 31 + 19 9 + 6 + 2	+ 8 + 6 + 7 \$ 36 - 36 + 13	+ 10 + 12 + 13 + 13 + 1 \$ +31	C + 18 + 18 - 9 + 5 + 13	‡ 1 7	C S S + 13 - 2 + 15	- 3 - 7 + 29 + 5	- 13 - 13 - 10 + 5 - 7	+ 1 - 8 + 2 + 4	+ 1 0 0 + 2 - 10 + 1	+ 17 0 0 5 - 5 - 6	+ 1 - + 1 - + C - + 6 -	+ 16 + 16 + 2 - 1 + 5
Cloths and dolhing Men's shoes: black calf Men's shoes: chocolate elk Men ahoes: vici kid Men shoes: vici kid Men shoes: vici kid Men shoes: vici kid Men shoes: vici kid Men shoes: vici kid Men shoes: vici kid Men shoes: Calico Drillings: Pepperell Basi Flannel: colored Flannel: unbleached Ginghams: Lancas- keag Ginghams: Lancas- ter Muslin: Fruit of the Loom Muslin: Lonsdale Muslin: Wamsutta Print cloths Sheetings: 4-4 Peppereli R Sheetings: 4-4 Peppereli R Sheetings: 4-4		+ + 1000		- +++++ + + + + + + + + + + + + + + + +	+ 11	+ C3 32 100 228 88 9 5 + 11 1 6 4 4 3 1 1 1 1	+ 5 - 9 + 12 + 12 + 18	CR I. C. + 20 + 18 + 16 + 18 + 22 + 23 + 20 + 13 + 17 + 20	+ 10 + 7 + 1 + 8 + 5 + 12 + 12 + 9 + 9 - 3 + 11 + 10 + 14	RS 13 0 2 5 0 0 1 2 3 1 3 7 0 4	+ 10 + 2 R + + 5 5 9 14 20 20 + 8 8 + + 4 16 18 17 + + 19 + 16	- 6 CC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 R 0 0 + 8 8 + + 6 6 7 + + 8 8 + + 19 + 18 8 7 7 9 9 5	R 3 3 4 + 3 3 4 + 4 5 5 4 4 + 4 5 5 4 4 + 4 5 6 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	R 6 R 1 3 9 2 2 9 10 + + + + + + + + + + + + + + + + + +	R R RR5555223 3 3 33 215 2 5	R R RR211222 2 2 2 2 1 1 2 1 2 2 2 2 2 1 2 1	l '	+ 11 + 10 + 10 + 12 + 7 - 5 - 5 - 10 - 5 - 10 - 5 - 10 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	+ ++++++++++++++++++++++++++++++++++++	+ + + CR1 SSSS 8 8 C 8 1 1 1 1 1 C S S + 14

TABLE X (Cont.)

											P	eriods										
ef . No.	Commodity	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) High (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept. 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(20) High (Apr. 1923)	(21) Low (June 1924
7	Cloths and clothing																					
12	(cont.) Cotton yarns: car-				1							1	}							1	l	
"]	ded, cones 10/1	— 12	<u> </u>	ه اه) + 3	+ 25	+ 6	∔ 4	+ 16	+ 10	2	+ 8	+ 8	+ 7	+ 1	+ 4	<u> </u> 3	1 1	_ 1	∟ 。	، با	
3	Cotton varns: car-		1	1 `	1' '	1	-		,		_	'	'	' '	' '	1 *	"	' T	_ •	·	י ידן	7
	_ded, cones 22/1	12		<u>. 1</u>	+	+ 22	+ 6	+ 7	+ 16 R	+ 11	<u> </u>	+ 2	+ 13	+ 7	+ 1	+ 4	3	+ 1	0	—	+ 8	B + 1
76	Flannels: white Suiting: Middlesex	S		1 + 3	(I)	의 - - 8	+ 7	+ 4	∣ R	R	+ 7	+ 17	+ 7	 	+ 2	- 4	+ 4	+ 3	+ 6	+ 2	+ .5	9 †
3	Underwear: shirts	С	+ 4	'l '	ध ६	+ 7	ן נ	"	R	R	T 2	+ 22	<u> </u>	+ 13	- 1	— з	+ 4	վ+ ³	+ 1	+ 3	+ 13	4
٠- ا	and drawers	17	+ 10	ol d	el c	+ 19	C	l c	c	+ 17	С	Ιc	c	C	c	+ 16	+ 3	+ 10	+ 7	J. 1	Ιc	·I .
14	Underwear: union			1		1,	ľ	ľ	ľ		_	ľ	l	~	Ι .	''	٦, ١	T	['	· •	ı ۲	Ί
	suite	— 17				+ 31		∙ C	<u> </u>	+ 17	C	c	C	C	C	+ 16 11	(3)	(3)	+ 2	+ 5	l r	≀ :
5	Broadcioth	+ 1	 -	<u> </u>				- 1	R	R	+ 2	+ 10	+ 2	+ 6	— 15	11	(3)	(3)	+ 2	+ 5	F	2
6	French serge Storm serge	14 18		SI. 3	2 . 3	5 5		l, ç	C	- 13	+ .2	+ 10	+ 2	+ 18	l ö	+ 1	+ 5	1 + 2	+ 7	+ 8	Į Į	3
8	Poplar cloth	— 18	7	3 7	S + S	+ 26		څ +ا	1/	+ 10	- 10	T 2	‡ 1 ¹ 9	Ĉ	ျိုင်	<u>ا</u> ا	11 :		1 3	†	1 5	4
ğ	Sicilian cloth	Č	I 3	il à				۲	<u> </u>	0	T 10	+ 21 C	II 13	+ 10		LT 3	II i	I	II 4	II å	۱ ا	5
0	Worsted yarns:2-		,	1 .	1	1'-"	~	~	•		~	~	_ •	T 20	η ,		1 -	/ ~	ΙΤ ′	יין יין	1 f	``
	32's	+ 5	├ ─ ः	네+ (5 + 1	3 3	<u> </u>	- 1	+ 7	+ 2	— 15	+ 9	— 5	+ 8	— 7	+ 4	+ 2	2 + 3	I— з	<u> </u>	+ :	3 +
21	Worsted yarns: 2-	_		.l.			l _	١.	ا ا		_	I		l	l _		I:	I.			l	1.
23	40's Linen shoe thread	# +17	+ 19	5) 8		5 # +32	l c	ç	+ 6	- 7	Č	+ 8	<u></u>	+ 10	<u> </u>		1 + 1	+ _1	l. º	<u>1</u>		인수
26	Silk: raw, Japanese,	* +11	T 1	1	1	∤ # ₩32	'	ا د	+ 2	+ 16	U	c	с	, c		'	P	R	+ 5	8	1 3	5 1
٠ ١	Kansai No. 1	_ 7	+ :	و ساء) +	I— 12	4	_ 5	4 5	n	_ 5	+ 3	# —13	+ 5	1 1	₁ ⊥ا	1_ 2	,	<u> </u>	#-18	، با	دا
28	Silk: raw.Japanese,	•	1 ' '	1 '	Ί' ΄	1	1 -	-	' '	Ĭ	_ ~	' "	* **	T	1 1	ļ ·	1 -				ΙΤ '	"
ļ	extra-extra	6	+	\$ —	- 1	1 + 1	- 4	2	+ 12	1	— 5	+ 2	- 7	5	0	+ 2	+ 2	: - 1	<u> </u>	#17	+ :	5 —
	Fuel and lighting			1				l				ĺ			l		1		l	1		
32	Anthracite coal:		1	1		1		I	1			I	Ì	l		ŀ	1	1		1		
	broken	— 3		5 + (5 + 3	+ 27	+ 5	9	I. C.	I. C.	I. C.	I, C.	l c	+ 10	I.C.	+ 17	il∔ s	+ 13	R	I.C.	1	R I.
33	Anthracite coal:		1	.1.		.]		l .	ļ.		_	l	· ·			-	i '	1			· ·	
ا 4	chestnut	- 3	[— ·	11 ·	9 + 1			2 +	I. C. I. C.	I. C. I. C.	I. C. I. C.	I. C.	I. C. I. C.	+ .1	I. C.	+ 13	R	R	R	I. C.	F	I.
5	Anthracite coal: egg Anthracite coal:	<u>3</u>	[·	4) +	5 + 1:	3 + 25	l R	R	1. C.	T' C'	I.C.] I.C.	I.C.	+ 12	II.C.	+ 13	i R	ų R	R	I. C.	F	R I.
~	Antifracite coal:	—3	L .	بالداء	5 + 1:	3 + 22	R	I. C.	I.C.	I. C.	I. C.	I.C.	I. C.	+ 13	I. C.	+ 13	R	R	R	I.C.	F .	Į I.
6	Bituminous coal:		1	1' '	7 .	7 ~	ı ^	٠. ٠.	٠. ٠.	1. 0.	1. 0.	1	٠.٠٠	- 13	1.0.		'	' '	, K	I. C.	ļ "	`
_	Kanawha	0	4 () — 1:	u + :	+ 22	. — 3]+ 7	+ 5	+ 20	+ 2	# +32	+ 11	+ 24	+ 3	+ 21	<u> </u>	i— 16	+ 7	l+ 3	<u> </u>	7
7	Bituminous coal:		1	.]		11	l '		Ι' .	-	1	1	l		1' '	i	1 -	1 ~	' '	l' ĭ	'	1
- 1	New River	— 14	+ 1	3 + - 3	3 + 10	5 + 10	(4)	+ 8	0	S	l S	# +30	+ 11	+ 7	1 + 3	3	— 14	l — 16	+ 7	l+ 3	 	3 +

⁽³⁾ No quotation. (4)

⁽⁴⁾ Strike.

TABLE X (Cont.)

											1	eriods										
Ref.	Commodity	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) High (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept. 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(20) High (Apr. 1923)	(21) Low (June 1924)
238 239 244 247 248 249	Fuel and lighting Bituminous coal: Pocahontas Coke Matches Petroleum: crude Petroleum: refined for export Petroleum: refined for export Petroleum: refined for export Petroleum: refined for desired Matals and matal products	+ 7 + 7 + 5 + 5	s	— 10 — 7 — 3 — 3	- 6 + 3		- 1 0 C - 1 - 1	- 4 - 4 - C - 1 0	+ 5 + 5 + 14 + 14 + 16	+ 27 0 C + 14 + 14 + 14	+ 11 + 11 + 11			+ 5 + 6 + 3	I. C. 8 	+ 13 0 + 4 + 9 + 11 + 33	— 15 — 14 C R R	- 16 + 3 R R R		+ 3 1 5 + 7 + 4	- 3 - 8 - 1 - 0	+ 6 + 1C7 - 9
250 251 252 253 253 253 255 260 261 263 266 267 271 272 273 274 280 287 288 289 293 293 293 293 293 294 295 295 295 295 295 295 295 295 295 295	Augers Butts Chisels Door knobs Files Hammers Locks Pig iron: basic Pig iron: Bessemer Pig iron: foundry No. 2, Northern Pig iron: foundry No. 2 Southern Bar iron: from store, Phila. Bar iron: from mill Pitts. Nalls: wire Planes Saws: crosscut Saws: hand Shovels Steel billets Steel billets Steel billets Steel vises Wire: fence Wood screws Copper: ingot	++++++++++++++++++++++++++++++++++++++		++++++++++++++++++++++++++++++++++++++	— ī	132 + 137 + 137 + 137 + 137 + 12 + 137 + 14 + 1 1 0 4 2 191 1 1 0 1 1 C C 1 1 0 8 C 1	++++++++++++++++++++++++++++++++++++++	+ ++ ++	+ +++ + + + + + + + + + + + + + + + +	+ + +++ +++	+ + 10 10 10 10 10 10 10 10 10 10 10 10 10	++++++++++++++++++++++++++++++++++++++	++++++++++++++++++++++++++++++++++++++	+ + + + + + + + + + + + + + + + + + +		+ 14 + 12 + 13 + + 13 + + + 4 + + 4 + + 13 13 11 11 11 11 11 11 11 11 11 11 11 1	+ ++ + +	+ ++++++++++++++++++++++++++++++++++++	969 87 ++++++++++++++++++++++++++++++++++++	+ 111 + 16 + 17 + 17 + 12 + 12 + 12 + 13 + 46 C8 88 + 13 111 + 15 1111 + 15	+ + + + + + + + + + + + + + + + + + +	+ ++++++++++++++++++++++++++++++++++++

				====				_				riods										
Ref. No.	Commodity	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) High (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept. 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(20) High (Apr. 1923)	(21) Low (June 1924)
294 295 297 297 298 300 301 301 303 310 311 317 321 321 323 323 324 345 349 350 351 351 351 351 351 351 351 351 351 351	Metals and metal products (cont.) Copper: wheet Copper: wire Lead: pig Lead: pig Lead: pipe Quickellver Silver Tin: plg Zinc: sheet Zinc: slab Building materials Hemlock: N. Y. Maple: N. Y. Maple: N. Y. Oak: white, plain, N. Y. Coak: white, quartered, N. V. Pine: white boards Pine: yellow siding Poplar: N. Y. Spruce Shingles: cypress Shingles: cypress Shingles: red cedar Brick Doors Lime Glass: window, A Glass: window, B Linseed oil Putty Rosin Tar Turpentine: spirits of Lead: carbonate of Zinc: oxide of Chemicals and drugs Acid: muriatic Acid: sulphuric Alcohol: wood Alum Soda: bicarbonate of Sulphur	+ 3 + 14 - 12 - 3	- S8 SS CC 12 12 7 C002 S7 11 12 15 15 16 19 18 12 13 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13	+ 1 1 5 5 C 5 5 5 6 5 0 5 C 5 5 5 6 5 C 5 6 5 C 5 6 5 C 5 C 5 C	+ + + + + + + + + + + + + + + + + + +	-+	+ + + + + + + + + + + + + + + + +	++++ ++++ ++ ++ + + + + + + + + + + +	- 18 14 5 R 19 6	+ + + + + + + + + + + + + + + + + + + + + + + + +	3 3 3 7 5 7 11 5 3 8 2 7 5 C 7 C 5 5 13 0 2 0 4 C 11 10 1 C 4 6 7 9 2 C 28 10 C 4 9	+ 114 + 160 + 115 + 117 + 117 + 117 + 117 + 1182 + 1382 +	I. C. + 13 + 18 - 7 - 10 - 10 - 11 + 17 + 5 + 11 - 3 + 12 + 12 + 12	++++++++++++++++++++++++++++++++++++++	801111118811.00 3 4031861468R3110085300 006000	+ + + + + + + + + + + + + + + + + + +		+++++ +++ + ++ ++ ++ ++ ++ ++ ++	++++	+ 44 	+ 1001 1 C.5 2 65 1 + + + + + + + + + + + + + + + + + + +	-+ I. + ++++ + ++ (6) 13 SC1-CC

⁽⁵⁾ Change of grade. (6) Discontinued.

TABLE X (Conc.)

											P _e	riods										
Ref. No.	Commodity	(1) Low (May 1892)	(2) High (Feb. 1893)	(3) Low (Mar. 1895)	(4) High (Oct. 1895)	(5) Low (May 1897)	(6) High (Apr. 1900)	(7) Low (July 1901)	(8) High (Oct. 1902)	(9) Low (July 1904)	(10) High (Oct. 1907)	(11) Low (Feb. 1908)	(12) High (Apr. 1910)	(13) Low (June 1911)	(14) High (Sept. 1913)	(15) Low (Nov. 1914)	(16) High (Sept. 1918)	(17) Low (Feb. 1919)	(18) High (May 1920)	(19) Low (Jan. 1922)	(20) High (Apr. 1923)	(21) Low (June 1924)
382 393 397 400 405 412 412 417 418 422 423 424 425 426 427 428 430 431 433 434 448 448 448 448 449 441 441 443 444 448 448 448 448 448 449 449 449 449	Chemicals and drugs (cont.) Tallow Alcohol: grain Glycerine Opium Quinine House-furnishing: Bedroom sets Kitchen chairs Bedroom sets Kitchen tables Carpets: Brussels Carpets: Wilton Pails Sheeting: 10-4 Pepperell Sheeting: 10-4 Wamsutta Nappies Pitchers Tumblers Plates Teacups and saucers Tickings: Amoskeag Tubs Miscellaneous Cottonseed meal Leather: calf Leather: sole oak Leather: sole oak Leather: sole oak Leather: wrapping Manila Jute Rope Rubber	+ 27 + 7 S3 + 10 - + 17 - 177 S S S S C ? ? 177 S S S S S C ? ? 177 S S S S S S S S S S S S S S S S S S S	+ 100 + 100				07744202 8C7C8CRC 2 4CCCCCC9C 79111 2	- 13 - 11 *-25 + 14 + 9 + 15 - 15 - 11 * + 23		1904) 1988 20 28 173 23 23 23 24 25 28 27 71 42 025 28 77 18 1989 20 25 28 77 18 1999 20 25 28 28 77 18 1999 20 25 28 28 77 18 1999 20 25 28 28 28 28 28 28 28 28 28 28 28 28 28	- +	+ 18 C C 20 s + 34 + 4 + 4 + 10 C C 25 + 4 + 11 + 7 7 + 26 + 126 +	+ #-158 + + 1C CRRCCCCC 8 + 1 12 CC 10 + 18 CC 110 + 1 12		+ 12 + 12 + 14 + 15 + 15 + 15 + 15 + 15 + 15 + 15 + 15	+ 105 + 126 + 133 + 166 + 133 + 165 + 1 166 + 1 167 + 1 16	+ 1119775 R 33 R 5555 R 3 3 R R 6 R R 6 R R	1919) +++ 135 R2 +++ 22 + + RCCRR2 +++++++++++++++++++++++++++++++++	++++ ++++++	1922)	1923) F C + 1233 + 1223 + 123	1924) 0 R11RC SSSSS44425 15 CS204C
450	Rope	- 7 - 8 + 8 + 8	+ 02 + 02	+ 57 + 22	+ 1 + 1 + 2 + 6	+ 5 - 15 - 7 0	± 4 0 R ₹ +15 C	+ 13 + 14 + 14 C	- 3 + 3 C	- 17 + 17 C R	— 2 — 28 — 14	+ 26 + 1 R	7 + 1 - 8 + 8	++ + C 6	+ 17 + 17 + CC	+ 5 - 3 + 25	+ 1 + 2 - 13 R	++++ 6 R	 -+ -+ -+ 	' 6	: 1	-

TABLE XI

MEASURES DESCRIBING CYCLICAL MOVEMENTS IN THE WHOLESALE PRICES OF 24
REPRESENTATIVE COMMODITIES
1890-1925

							····		
(1) Periods	(2) Deviation of low from reference datel	(3) Deviation of high from reference datel	(4) Dura- tion of rise	(5) Dura- tion of fall mos.	(6) Duration of cycle low to low mos.		(8) entage Cl Rise as per cent of en- suing high	Fall as	(10) Index of cy- clical varia- bility (8)+(9)
	1	<u>, </u>			1	<u> </u>		<u> </u>	<u> </u>
		18	Cattle:	steers, ch	oice to p	rime			
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 1 10 12 15 12 0 1 + 5 + 4 7 14	0 6 2 3 +- 12 +- 12 +- 4 5	8 11 41 28 48 28 40 45 5 17	15 13 6 11 7 11 7 5 19 5	23 24 47 39 55 39 47 50 24 22	26.7 36.1 58.4 47.9 32.0 44.5 68.6 138.9 20.4 47.0	21.1 26.5 36.9 32.4 24.2 30.8 40.7 58.2 17.0 32.0	23.5 30.4 16.4 35.6 17.6 25.3 20.8 20.0 55.3 22.2	22.3 28.4 26.6 34.0 20.9 28.0 30.7 39.1 36.1 27.1
Averages ²	5.5	- 1.0 - 1.5	27.1	9.9	37.0	52.0	32.0	26.7	29.3
				16 Hogs	: liaht				
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	- 5 - 1 - 8 - 7 + 5 0 - 1 +13 - 1 - 2 - 6	- 3 0 - 1 - 8 - 1 - 2 0 - 10 - 9	14 5 43 21 26 25 26 33 6	24 14 8 27 12 14 29 4 28 17	38 19 51 48 38 39 55 37 34 25	117.4 29.3 72.5 56.1 56.4 143.2 53.6 221.4 28.6 55.7	54.0 22.7 42.0 36.0 36.1 58.9 34.9 68.9 22.2 35.8	50.1 36.5 12.2 41.1 38.8 42.6 32.0 13.2 69.3 34.9	52.0 29.6 27.1 38.5 37.4 50.7 33.4 41.0 45.7 35.3
Averages	1.2	3.4 3.8	20.7	17.7	38.4	83.4	41.1	37.1	39.1

¹⁽The figures in columns (2) and (3) indicate the number of months by which the price turns of specific commodities precede (—) or lag behind (+) the major turns of the general price index. The symbols I. C., C., S and R represent, respectively, irregularly constant, constant, sagging and rising prices. The dates of the reference points are given on page 81 of the text. For a detailed explanation of the method employed and for an explanation of the periods, see text pp. 78-82.

²For explanation of the second set of averages see points 3 and 5, pages 89-90.

TABLE XI (Cont.)

				ADEL A	i (Oone			*	
(1) Periods	(2) Deviation of low from reference date mos.	(3) Deviation of high from reference date mos.	(1) Duration of rise mos.	(5) Dura- tion of fall mos.	(6) Duration of cycle low to low	Rise as	per cent	Fall as	(10) Index of cy- clical varia- bility (8) + (9)
		·	17 1	Sheep: w	estern ew	es		·	
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	- 9 - 5 - 18 + 4 - 8 - 2 + 2 - 15 + 7 - 7 - 12		8 5 53 6 41 27 20 56 7 22	30 8 19 18 8 17 4 17 14 2	38 13 72 24 49 44 24 73 21 24	51.0 76.1 132.9 76.2 107.8 118.0 83.0 283.9 101.4 181.4	33.8° 43.2 57.1 43.3 51.9 54.1 45.4 74.0 50.4 64.5	63.6 35.3 46.3 49.4 41.2 56.7 32.9 52.7 81.1 36.4	48.7 39.2 51.7 46.3 46.5 55.4 39.1 63.3 65.7
Averages	_ 5.7	- 4.0 - 3.9	24.5	13.7	38.2	121.2	51.8	49.6	50.7
•	ı	J— J.9	J	25 Co	tton	ı	•	I	J
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	- 2 - 1 +18 + 4 + 6 +10 + 6 + 1 0 -10 S	- 2 + 5 + 17 - 2 + 4 + 1 - 1 + 8	9 8 22 28 31 20 22 45 14 33	26 37 14 10 16 16 14 5	35 45 36 38 47 36 36 50 25	41.7 63.3 93.5 93.7 86.5 80.1 49.5 371.7 61.2 203.4	29.4 38.8 48.3 48.4 46.4 44.5 33.1 78.8 38.0 67.0	42.3 40.9 23.9 53.7 30.7 43.8 45.8 26.5 72.2	35.8 39.8 36.1 51.0 38.5 44.1 39.4 52.6 55.1
Averages	+ 3.2	+ 3.0 + 3.3	23.2	16.5	38.7	114.5	47.3	42.2	44.7
	ł	1T 3.3		42 Hi	des	1		ł	ļ
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 1 - 9 -13 -12 - 4 + 1 - 2 -18 -11 - 9 - 1	- 5 - 2 - 4 - 1 - 10 - 5 - 10 - 10 - 9 - 5	3 14 44 26 33 20 19 54 17	21 8 7 18 15 17 6 4 20 18	24 22 51 44 48 37 25 58 37 37	30.5 164.1 108.6 42.7 56.8 90.7 56.9 112.3 97.7 125.7	23.4 62.1 52.1 29.9 36.3 47.6 36.3 52.9 49.4 55.7	47.4 50.5 24.4 29.5 42.8 29.2 16.9 25.5 80.6 47.8	35.4 56.3 38.2 29.7 39.5 38.4 26.6 39.2 65.0 51.7
Averages	— 7.0	-6.1 -5.7	24.9	13.4	38.3	88.6	44.6	39.5	42.0

TABLE XI (Cont.)

						<u> </u>			
(1) Periods	(2) Deviation of low from reference date	(3) Deviation of high from reference date	(4) Dura- tion of rise	(5) Dura- tion of fall	(6) Duration of cycle low to low	Rise as	(8) ntage Ch Rise as per cent of en- suing high	(9) nange Fall as per cent of pre- ceding high	(10) Index of cy- clical varia- bility (8) + (9)
	mos.	mos.	mos.	mos.	mos.				
	<u> </u>	<u>'</u>	·	47 M	filk	•	·	·	·
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 2 - 9 +13 - 1 +11 +16 0 - 6 + 2 + 5 + 1	• 0 + 3 + 8 + 2 + 14 + 8 - 9 + 19 + 6	7 19 30 18 42 18 18 55 32 16	16 29 6 30 6 6 17 4 6	23 48 36 48 48 24 35 59 38 25	62.5 63.9 85.7 87.5 100.0 88.9 70.0 245.9 34.8 55.5	38.5 39.0 46.2 46.7 50.0 47.1 41.2 71.1 25.9 35.7	43.7 41.7 38.5 46.7 43.8 41.2 37.4 28.3 39.3 32.2	41.1 40.3 42.3 46.7 46.9 44.1 39.3 49.7 32.6 33.9
Averages	+ 3.1 ·	+ 5.4 + 5.7	25.5	12.9	38.4	89.5	44.1	39.3	41.7
		,,	I .	56 H	Vool	J I		ı	J
1- 2 3- 4 5- 6 7- 8 9-10 11-12	0 + 3 - 8 - 1 R S	+ 2 + 6 - 2 R -25 S	11 10 41 51	26 5 16 70	37 15 57 121	10.0 18.7 105.9 46.9	9.1 15.8 51.4 32.0	47.1 10.5 30.0 23.9	28.1 13.1 40.7 27.9
13-14 15-16 17-18 19-20 21	+ 1 10 1 3 0	-13 + 3 1 + 1	13 59 15 19	17 1 18 13	30 60 33 32	14.3 218.3 51.8 92.9	12.5 68.6 34.1 48.2	20.3 19.4 65.8 24.1	16.4 44.0 49.9 36.1
Averages	- 2.1	- 3.6 - 4.6	27.4 24.0	20.7 13.7	48.1 37.7	69.8 73.1	34.0 34.2	30.1 31.0	32.0 32.6
		226	Silk: rav	o, Japane	ese, Kan	sai No. 1		•	
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	7 9 -12 - 5 0 + 3 + 1 - 11 - 18 - 1	+ 2 + 1 - 4 + 5 - 13 - 1 + 2 - 4 + 5	18 17 43 25 34 10 21 47 12 38	14 6 14 16 12 32 16 2 6 8	32 23 57 41 46 42 37 49 18 46	38.5 28.8 75.1 29.4 60.4 22.4 23.7 144.0 199.1 112.7	27.8 22.4 42.9 22.7 37.7 18.3 19.2 59.0 66.6 53.0	39.3 24.4 39.6 18.2 38.1 22.9 29.3 18.7 72.9 51.0	33.5 23.4 41.2 20.4 37.9 20.6 24.2 38.8 69.7 52.0
Averages	- 4.0	- 1.2 - 1.6	26.5	12.6	39.1	73.4	37.0	35.4	36.2

TABLE XI (Cont.)

(1) Periods	(2) Deviation of low from reference date	(3) Deviation of high from reference date	(4) Dura- tion of rise	(5) Dura- tion of fall	(6) Dura- tion of cycle low to low	Rise as	(8) entage C Rise as per cent of en- suing high	(9) hange Fall as per cent of pre- ceding high	
	mos.	mos.	mos.	mos.	mos.				
			2	33 Anthr	acite coai	Ţ			
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	- 3 + 6 + 8 + 9 I. C. I. C. + 13 R I. C. I. C.	- 4 +13 +10 I. C. I. C. I. C. R. R.	8 14 37	35 14 14 14	43 28 51	40.4 46.6 32.0	28.8 31.8 24.2	41.4 14.6 11.4	35.1 23.2 17.8
Averages	+ 5.7	+ 6.3 + 6.3	19.7	21.0	40.7	39.7	28.3	22.5	25.4
			237	Bitumin	ous Coal				
1- 2 3- 4 5- 6 7- 8 9-10	-14 + 3 +10 + 8 S	+13 +16 Strike 0 S	36 20 55	15 13 94	51 33 149	18.8 26.7 525.0	15.8 21.1 84.0	21.1 15.8 73.0	18.4 18.4 78.5
11-12 13-14 15-16 17-18 19-20 21	+30 + 7 - 3 -16 + 3 +14	+11 + 3 -14 + 7 - 3	7 23 35 38 9	10 8 3 16 31	17 31 38 54 40	11.1 21.4 159.6 116.8 102.3	10.0 17.6 61.5 53.9 50.6	6.7 13.6 41.8 48.7 50.1	8.3 15.6 51.6 51.3 50.3
Averages	+ 4.2 + 6.4	+ 4.1 + 6.7	27.9 24.0	23.7 13.7 239 Coke	51.6 37.7	122.7 65.2	39.3 32.9	33.8 28.2	36.5 30.5
1-2	+ 7	+1	3	14	17	8.6 [7.9	51.6	29.7
3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	-10 - 4 0 + 8 + 5 0 + 3 - 1	+16 0 +5 -8 -6 -14 +3 -8	33 35 24 31 12 14 32 15 8	3 11 16 20 25 22 22 22 16 23	36 46 40 51 37 36 54 31	104.3 167.9 112.8 150.3 90.0 137.4 690.3 304.9 385.5	51.1 62.7 53.0 60.1 47.4 57.9 87.4 75.3 79.5	25.5 49.9 64.2 58.1 45.6 57.9 68.7 82.4 77.8	38.3 56.3 58.6 59.1 46.5 57.9 78.0 78.8 78.6
Averages	+ .8	— 1.9 — .5	20.7	17.2	37.9	215.2	58.2	58.2	58.2

TABLE XI (Cont.)

						-			
(1) Periods	(2) Deviation of low from reference date	(3) Deviation of high from reference date	(4) Dura- tion of rise	(5) Dura- tion of fall	(6) Duration of cycle low to low	Rise as	(8) ntage Ch Rise as per cent of en- suing high	Fall as	(10) Index of cy- clical varia- bility (8) + (9)
	mos.	mos.	mos.	mos.	mos.				_
		•	247	Petroleun	n: crude	·			<u>'</u>
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 57 8 1 4 8 6 9 R 5 7	+16 -1 +14 +19 + 7 + 7 + 7	20 8 26 30 44 28 64	2 33 15 21 31 16 8	22 41 41 51 75 44 72 27	73.9 121.0 158.5 79.4 40.2 92.3 351.9 77.8	42.6 54.7 61.3 44.3 28.7 48.0 77.9	9.5 63.7 37.5 32.6 27.0 46.0 63.1 40.2	26.0 59.2 49.4 38.4 27.8 47.0 70.5 41.9
Averages	<u> </u>	+ 6.9 + 6.9	29.9 25.0	16.7 14.7	46.6 37.7	124.4 91.9	50.1	39.9	45.0
		T U. 7		59 Pig i		•	46.2	41.8	44.0
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+11 +14 +3 +6 +8 +8 +1 +4	+ 5 - 3 + 1 - 9 - 3 - 14 + 4 - 7	3 6 18 13 30 17 11 32 11	21 33 21 20 19 25 22 27 17 25	24 39 39 33 49 42 33 59 28 32	2.9 20.8 122.2 60.5 84.1 14.7 23.8 320.7 88.4 83.8	2.8 17.2 55.0 37.7 45.7 12.8 19.2 76.2 46.9 45.6	20.0 22.4 38.0 39.9 38.2 21.3 23.7 51.0 63.4 41.8	11.4 19.8 46.5 38.8 41.9 17.0 21.4 63.6 55.1 43.7
Averages	+ 5.1	- 3.4 - 2.2	14.8	23.0	37.8	82.2	35.9	36.0	35.9
			2 9	3 Coppe	r: ingot	,			ı
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	-2 - 9 - 8 +14 - 7 +14 - 1 0 + 1 - 5 + 1	- 1 0 11 + 6 5 2 11 18 9	10 16 32 7 41 10 17 28 5	17 11 40 8 23 15 25 24 24	27 27 72 15 64 25 42 52 29 35	16.6 36.9 83.3 32.1 108.2 8.5 46.3 222.7 51.0 44.4	14.2 26.9 45.5 24.3 52.0 7.9 31.6 69.0 33.8 30.8	27.7 14.3 40.5 19.0 49.7 11.2 36.4 58.4 48.7 26.6	20.9 20.6 43.0 21.6 50.8 9.5 34.0 63.7 41.2 28.7
Averages	2	- 5.1 - 3.7	18.6	20.2	38.8	65.D	33.6	33.2	33.4

TABLE XI (Cont.)

				ADLE 2	Z1 (COD				
(1) Periods	(2) Deviation of low from reference date mos.	(3) Deviation of high from reference date mos.	(4) Duration of rise mos.	(5) Dura- tion of fall mos.	(6) Duration of cycle low to low mos.	Rise as	(8) entage Cl Rise as per cent of en- suing high	Fadias	(10) Index of cy- clical varia- bility (8)+(9)
•	<u> </u>	!		50			J	•	<u> </u>
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	9 +12 -1 +10 +7 +5 +1 +6 S	- 2 - 3 +17 - 2 - 9 - 5 - 1 + 8	16 7 20 33 29 17 13 40 13 29	195 Pri 27 31 17 14 11 21 .24 11 15	nt cloths 43 38 37 47 40 38 37 51 28	42.6 31.2 92.2 63.9 97.4 41.7 35.0 436.9 157.8 88.4	29.9 23.8 48.0 39.0 49.3 29.4 25.9 81.4 61.2 46.9	38.6 40.4 34.2 33.5 42.9 28.0 35.3 51.1 73.9	34.2 32.1 41.1 36.1 28.7 30.6 66.2 67.5
Averages	+ 2.0	+ .3 + .9	21.7	19.0	² 39.9	108.7	43.5	42.0	42.7
	•	.,	210	Suiting:	Middles	(535	•		•
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	C S + 7 0 R +22 +13 - 3 + 3 + 3 + 3	+ 4 S C R + 2 - 1 - 1 + 4 + 1 + 13	3 13 53 13 25	24 28 12 4 22 4	144 31 25 57 35 29	5.7 6.1 196.9 17.6 30.2	38.8 5.4 5.7 66.3 15.0 23.2	7.9 11.4 8.6 10.5 37.0 2.4	23.3 8.4 7.1 38.4 26.0 12.8
Averages	+ 6.0	+ 3.1 + 3.0	37.8 21.4	21.1 15.7	53.5 35.4	53.3 51.3	25.7 23.1	15.7 13.0	20.7 18.0
		.		9 Nails:	•	•			
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 9 - 2 + 19 8 + 4 + 15 + 6 + 7 + 6 + 5	+ 3 + 13 0 S + 8 + 3 - 2 - 11 - 3 + 12	3 22 16 43 14 19 33 5 21	20 25 55 11 17 18 23 29	23 47 71 54 31 37 56 34 28	7.5 119.1 144.4 26.5 14.7 18.8 152.3 37.3 24.0	7.0 54.4 59.1 20.9 12.8 15.8 60.4 27.2 19.4	33.1 57.1 48.5 20.9 17.9 14.5 18.3 45.7 8.1	20.0 55.7 53.8 20.9 15.3 15.1 39.3 36.4 13.7
Averages	+ 7.1	+ 2.6 + 4.2	19.6 19.6	22.8 18.7	42.3 38.7	60.5 60.5	30.8 30.8	29.3 26.9	30.0 28.8

TABLE XI (Cont.)

									====
(1) Periods	(2) Deviation of low from reference date mos.	(3) Deviation of high from reference date mos.	(4) Dura- tion of rise mos.	(5) Dura- tion of fall .mos.	(6) Duration of cycle low to low mos.	Rise as	(8) Intage Cl Rise as per cent of en- suing high	(9) nange Fail as per cent of pre- ceding high	(10) Index of cy- clical varia- bility (8)+(9)
	<u> </u>	l		<u> </u>	<u> </u>	<u> </u>	<u></u>	<u> </u>	<u> </u>
				6 Lead:					
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 7 - 2 - 8 + 6 -10 - 1 + 9 0 + 3 10 + 1	+ 2 + 2 + 1 + 6 - 7 - 3 - 11 - 15 - 2 + 12	7 44 15 42 24 7 31 10 37	21 13 20 5 10 26 25 23 12 3	25 20 64 20 52 50 32, 54 22 40	8.8 17.4 72.6 16.8 55.2 27.8 27.5 228.5 80.4 126.8	8.1 14.8 42.1 14.3 35.6 21.8 21.6 69.6 44.6 55.9	25 .2 23 .5 15 .4 12 .0 42 .0 15 .4 31 .4 55 .7 55 .4 23 .7	16.6 19.1 28.7 13.1 38.8 18.6 26.5 62.6 50.0 39.8
Averages	s	— 1.9 — .4	22.1	15.8	37.9	66.2	32.8	30.0	31.4
	1	4	l	300 Tin	4	I	J	j	Į.
1- 2 3- 4 5- 6	- 4 - 0 - 7	- 8 + 1 - 1	5 8 41	33 11 22	38 19 63	9.1 10.9 169.7	8.4 9.8 62.9	38.9 12.9 33.6	23.6 11.3 48.2
7-8 9-10 11-12 13-14 15-16 17-18 19-20 21	+ 6 - 1 + 4 - 1 + 9 - 5	+ 5 - 5 + 14 - 8 - 4 - 4 + 10	14 34 41 15 43 2 30	16 8 4 21 18 19	30 42 45 36 61 21 34	35.4 67.5 80.4 25.7 224.6 17.1 98.1	26.2 40.3 44.6 20.4 69.2 14.6 49.5	16.6 37.8 16.8 38.5 46.0 58.1 19.3	21.4 39.0 30.7 29.4 57.6 36.3 34.4
Averages	+ .1	0	23.3	15.6	38.9	73.8	34.6	31.8	33.2
	ı	+ .4	l	 io Shoes:	mam'a	ł		l '	l
1- 2	l C	ı C	16 	O DINGS	114014-8	ı	1	f	1
3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	C C C +10 +10 R +11 + 6	C C C R - 10 0 R R 0 3 - 3	72 16 97	24 24 31 23	96 40 128	20.1 8.9 220.0	16.7 8.2 68.7 3.1	3.8 1.6 33.9 4.6	10.2 4.9 51.3 3.8
Averages	+ 6.0	- 3.3 - 3.3	46.5 8.5	25.5 25.5	72.0 32.0	63.0 6.0	24.2 5.7	11.0 11.0	17.6 8.3

TABLE XI (Cont.)

				TOLE A	<u> </u>				
(1) Periods	(2) Deviation of low from reference date	(3) Deviation of high from reference date	(4) Dura- tion of rise	(5) Dura- tion of fall	(6) Dura- tion of cycle low to low	Rise as		(9) sange Fall as per cent of pre- ceding high	(10) Index of cy- clical varia- bility (8)+(9)
	mos.	mos.	mos.	mos.	mos.	<u> </u>]
			27	6 Steel l	rillets				
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20	+ 9 - 0 - 9 + 17 + 6 + 1 + 8 + 2 + 5	+ 2 - 1 - 6 - 4 - 5 - 1 - 5 - 14 + 2	2 8 29 20 31 8 16 31 9	21 20 12 28 26 21 20 27 20 19	23 28 41 48 57 29 36 58 29 32	5.4 64.6 197.3 92.7 55.4 19.6 48.1 426.3 62.3 60.7	5,1 39,3 66,4 48,1 35,6 16,4 32,5 81,0 38,4 37,8	34.9 42.7 59.5 39.8 24.1 30.0 33.3 61.5 55.2 21.1	20.0 41.0 62.9 43.9 29.8 23.2 32.9 71.2 46.8 29.4
Averages	+ 3.6	- 3.2 - 2.0	16.7	21.4	· 38.1	103.2	40.1	40.2	40.1
•			2	80 Steel	rails				
1- 2 3- 4 5- 6 7- 8 9-10 11-12	-17 + 3 +18 - 3 C	- 2 +14 + 4 C C	24 18 21 214	30 23 8	54 41 29 224	5.3 27.3 105.9 111.5	5.0 21.4 51.4 52.7	26.7 39.3 25.7	15.8 30.3 38.5
13-14 15-16 17-18 19-20 21	C +18 +10 + 8 C	C C C 5 6 C	11	10 22	33	16.7 7.5	14.3 7.0	18.2 23.8	35.4 19.0
Averages	+ 5.3	+ 5.2 + 5.5	57.6 18.5	18.6 18.6	76.2 39.2	45.7 32.5	25.3 19.8	26.7 26.7	26.0 23.2
				97 Lead	pips			•	
1- 2 3- 4 5- 6 7- 8 9-10 11-12 13-14 15-16 17-18 19-20 21	SC - 4 - 6 + 1 + 12 + 2 + 3 - 11	SC + 1 + 6 - 5 - 1 -11 -14 + 3	40 27 33 24 4 30 15 20	8 16 10 27 27 22 12 3	48 43 43 51 31 52 27 23	55.6 23.2 57.9 28.5 20.0 194.6 64.6 85.8	35.7 18.9 36.7 22.2 16.7 66.1 39.3 46.2	17.4 20.0 41.0 10.3 25.0 50.4 51.5	26.5 19.4 38.8 16.2 20.8 58.2 45.4 29.7
Averages	8	- 2.6 - 1.0	24.1	15.6	39.7	66.3	35.2	28.6	31.9

TABLE XI (Conc.)

(1) Periods	(2) Deviation of low from reference date mos.	(3) Deviation of high from reference date mos.	(4) Duration of rise mos.	(5) Duration of fall mos.	(6) Duration of cycle low to low mos.	Rise as	(8) ntage Ch Rise as per cent of en- suing high		(10) Index of cy- clical varia- bility (8) +(9)
	<u> </u>	44	1 Leathe	r: sole od	ile scoure	ed backs			<u> </u>
1- 2	+ 9	+12	12	13	25	1 2.9	2.9	17.1	10.0
3- 4	ľó	 	6	14	20	36.2	26.6	27.8	27.2
5- 6	š	— 2	39̈́	15	54	35.1	26.0	13.0	19.5
7- 8	_ ž	8	ý	29	38	16.4	14.1	16.7	15.4
9–10	Ιō	_ ŏ	30		36	24.6	19.8	9.9	14.8
11-12	_ ž	+ 2	35	6	43	19.2	16.1	12.6	14.3
13-14	à	ľ Ř	35 82	*	93	121.1	54.8		
15-16	R	<u> </u>		111	"]		8.3	31.5
17-18	- 3	<u> </u>	9	33	42	33.8	25.2	51.5	38.3
19-20	+ 4	+ 3	14	12	26	8.0	7.4	21.3	14.3
21	+ 1								
Averages	8	2.3	26.2	15.7	41.9	33.0	21.4	19.8	20.6
	<u> </u>	<u> 1.5</u>	19.2	15.7	35.5	22.0	17.3	19.8	18.5

Because of the presence of measures relating to periods of rise without corresponding measures for period of decline (or vice versa) the sum of averages of the figures in columns (4) and (5) is not in all case equal to the average of the figures in column (6).

TABLE XII

MEASURES DESCRIBING THE BEHAVIOR OF WHOLESALE COMMODITY PRICES DURING PERIODS OF REVIVAL AND RECESSION IN AMERICAN BUSINESS, 1890-1925

Averages relating to Timing, Duration and Amplitude of Cyclical Movements.¹

(1) Ref. No.	(2) Commodity	(3) No. of cycles	(4)				(8) revival	(9)	(10) Con-		avior		(14) ecession	(15) I Av.	(16) Avei	(17) rage dura of	(18) ition	(19) Av. per	(20) centage of	(21) Index of cv
		ob- served		Sag- ging	Ris- ing	Turns ob- served	time as a de- viation in months from	Av. per- cent- age of rise based on pre- ceding low value	stant	ging	ing	ob-	Av. time as a deviation in months from the reference date	per-	Rise in mos.	Fall in mos.	Cycle in mos.	Rise based on en- suing high value	Fall based on pre ceding high value	clical varia- bility
1	*Barley	10				11	5.5	91.9				10	- 6.4 - 6.4		22.1	15.2	37.3	41.9	39.9	40.9
2	*Corn	9			1	10	- 1.0	88.0			1	9	- 4.7 - 3.7	40.0	20.4	19.2	39.7	43.1	40.0	41.5
4	*Oats	9			1	10	- 3.3	97.3			1	9	— 6.6 — 6.6		22.2	19.0	41.2	44.8	44.1	44.
5	*Rye	8	ī	1		9	- 9.6	96.8 96.8	1	1		8	-10.2 -10.9	39.4 42.6	24.0 24.0	20.7 18.6	44.7 37.9	40.6 40.6	39.4 42.6	40.4 41.
6	*Wheat	6	_	3	1	7	-13.4	114.5 120.7	_	3	1	6	-16.3 -16.4		34.8 29.6	22.0 18.8	56.8 49.7	47.1 47.5	41.0 35.6	44. 41.
13	Cattle: choice to prime	10				11	- 5.5	52.0				10	= 1:0 = 1:5	26.7	27.1	9,9	37.0	32.0	26.7	29.
14	Cattle: good to choice	10				11	- 1.8	48.1				10	0		25.7	13.2	38.9	30,2	24.3	27.
15	Hogs: heavy	10			ļ —	11	- 2.5	83.4		 		10	3.8 4.2		21.2	17.6	38.8	41.1	36.9	39.
16	Hoge: light	10				11	<u> </u>	83.4				10	3.4 3.8	37.1	20.7	17.7	38.4	41.1	37.1	39.
17	Sheep: ewes	10	-			11	- 5.7	121 .2			 	10	— 4.0 — 3.9	49.6	24.5	13.7	38.2	51.8	49.6	50.
19	Sheep: wethers	10	_			11	- 6.7	110.0	1			10	- 4.9 - 4.9	47.3	24.8	13.2	38.0	49.0	47.3	48.

22	*Beans	10	!			111	- 1.9	100.6	l			10	$ = \frac{7 \cdot 1}{6 \cdot 2} $	39.8	18.3	20,1	38.4	40.6	39.8	40.2
25	Cotton	9}		1		10	+ 3.2	114.7				10	+ 3.0 + 3.3	42.2	23.2	16.5	38.7	47.3	42.2	44.7
31	*Eggs	8			2	9	- 1.0	175.7 146.0			2	8	+ 2.2 + 2.2	58 9 58.9	34.7 24.0	13.2 13.2	48.0 36.2	62.3 59.0	58.9 58.9	60.6 58.9
34	*Flaxseed	8			2	. 9	— 6.3	118.5 82.6		_	2	8	- 5.9 - 6.4	42.7 42.7	34.5 25.2	14 9 14.9	49.4 39.3	48.5 41.6	42.7 42.7	45.6 42.1
37	*Hay	8		1	1	9	+ 8.7	78.7 76.5		1	1	8	+ 3.1 + 3.6	35.6 35.6	24.7 21.7	22.1 22.1	46.9 40.9	40.9 39.8	35.6 35.6	38.2 37.7
42	Hides	10				11	- 7.0	88.6				10	- 6.1 - 5.7	39.5	24.9	13.4	38.3	44.6	39.5	42.0
44	*Норе	8		2		9	+ .9	264.0 264.0		2		8	- 3.9 - 2.9	64.9 60.5	20.1 20.1	27.4 21.8	47.5 44.3	65.8 65.8	64.9 60.5	65.3 63.1
47	Milk	10				11	+ 3.1	89.5				10	+ 5.4 + 5.7	39.3	25.5	12.9	38.4	44.1	39.3	41.7
49	*Onions	10				11	- 5.9	648.3				10	-11.9 -11.1	78.1	17.0	20.4	37.4	76,7	78.1	77.4
51	*Potatoes	10				11	+ 2.9	357.5				10	‡ 2.2 ‡ 4.1	70.6	22.8	16.3	39.1	72.2	70.6	71.4
53	Rice	9	1			10	4.1	51.4 51.4		1		9	- 3.7 - 4.0	27.9 27.8	23.1 23.1	20.4 18.6	43 6 39.6	30.8 30.8	27.9 27.8	29.3 29.3
56	Wool: fine clothing	8		1	1	9	- 2.1	69.8 73.1		1	1	В	- 3.6 - 4.6	30.1 31.0	27.4 24.0	20.7 13.7	48.1 37.7	34.0 34.2	30.1 31.0	32.0 32.6
59	Wool: medium	8		1	1	9	7	73.2 78.6		1	1	8	- 5.5 - 5.6	26.5 26.5	26.0 22.9	17.5 17.5	43.5 37.7	33.1 34.1	26.5 26.5	29.8 30.3
64	Beef: fresh	10				11	+ .3	46.6				10	† 1:8 + 1:2	25.3	24.4	14.5	38.9	30.2	25.3	27.7
68	Beef: salt	9			1	10	+ 1.9	64.6 58.7			1	9	+ 1.9 + 1.9	29.9 29.9	25.3 23.1	16.1 16.1	41.4 36.1	37.3 35.4	29.9 29.9	33.6 32.6

¹A second average appearing in col.(8) is based upon all entries except that for period (17). The entry for this period has been excluded if the commodity in question was affected by Federal price regulation at this time.

The second averages in col. (14) are based upon all entries except those for period (16).

A second average appearing in any other column is based upon entries relating to successive periods only. In its computation account has been taken only of those periods during which the given commodity conformed to the general price movements. A line in place of a second entry means that there was no case in which successive turns were recorded.

^{*}The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical moveof general prices. For a more detailed explanation see lext, pp. 81, 102,

TABLE XII (Cont.)

(1) Ref. No.	(2) Commodity	(3) No of cycles	(4)	(5) Be	(6) havior	(7) during	(8) revival	(9)	(10)	<u>Be</u>	havio		(14) recession		(16) Ave	(17) grage dur of	(18) ation		(20) rcentage of	(21) Index of cy-
		ob- served	Con- stant	Sag- ging	Ris- ing	Turns ob- served	Av. time as a de- viation in months from the refer- ence date	Av. per- cent- age of rise based on pre- ceding low value	Con- stant	Sag- ging	Ris- ing	Turns ob- served	Av. time as a deviation in months from the reference date	Av. per- cent- age of fall based on pre- ceding high value	Rise in mos.	Fall in mos.	Cycle in mos.	Rise based on en- suing high value	Fall based on preceding high value	clical varia- bility
69	Hams •	10				11	+ 1.1	60.4				10	+ 2.1 + 1.1	30.1	23.9	15.8	39.7	34.3	30.1	32.2
71	Mutton	10				11	— .i	102.8				10	+ 1.2 + 1.8	46.6	25.1	14.4	39.5	48.8	46.6	47.7
74	Pork: cured, salt mess	10				11	- 1.7	79.8				10	- 4.6 - 4.6	34.3	21.1	17.0	38.1	38.8	34.3	36.5
75	Pork: cured, rough sides	9		ı		10	- 4.8	92.5 92.5		1		9	- 6.0 - 5.4	39.7 36.5	24.3 24.3	19.9 17.0	44.2 41.4	44.7 44.7	39.7 36.5	42.2 40.6
76	Pork: cured, short clear sides	9		1		10	- 5.2	90.5 90.5		1		9	- 5.6 - 4.9	38.8 35.7	24.9 24.9	19.0 16.1	43.9 41.1	44.0 44.0	38.8 35.7	41.4 39.8
89	*Butter: creamery extra, N. Y.	10				11	<u> </u>	77.3				10	- 2.7 - 3.3	37.6	24.0	15.8	39.8	41.9	37.6	39.7
90	*Butter: creamery firsts, N. Y.	10				11	- 2.5	72.0				10	- 3.2 - 3.9	35.8	23.3	16.6	39.9	39.8	35.8	37.8
95	*Butter: creamery extra. St. Louis	10				11	- 2.7	80.3				10	- 2.7 - 3.3	38.2	24.0	15.8	39.8	42.7	38.2	40.4
99	*Cheese	10				11	- 4.5	71.1			-	10	- 3.3 - 4.0	34.9	24.9	14.4	39.3	37.8	34.9	36.3
104	Bread: Cincinnati	2 1	6		1	4	+ 7.0	84.1 43.5	6		1	3	+ 3.3 +10.0	31.9 22.5	67.5 32.0	59.0 4.0	94.5	42.9 30.3	31.9 22.5	37.4 26.4
106	Bread: New York	43	5			6	+ 7.2	43.9 34.3	5			5	+ 6 8 + 8.7	14.8 14.8	45.5 18.0	12.0 12.0	58.7 30.0	27.4 22.5	14.8 14.8	21.1 18.6
109	Coffee	10				11	+ 1.8	78.9				10	6 + .1	37.6	19.9	17.7	37.6	37.8	37.6	37.7

111	Crackers: oyster	5}	3	1		7	+ 3.1	55.0 59.1	4	1	·	6	‡ 5.9 ‡ 5.8	15.7 12.5	40.6 27.5	21.7 10.7	65.8 45.3	31.3 32.1	15.7 12.5	23.5 22.3
112	Crackers: soda	6	2	1		8	+ 4.9	41.4 46.4	3	1		6	$\begin{array}{c} + 3.2 \\ + 2.6 \end{array}$	17.5 15.3	32.2 20.8	24.0 11.2	56.2 34.0	23.8 25.7	7.5 15.3	20.6 20.5
113	Cod	81		1	ī	9	+ 5.7	36.9 36.9		1		9	+ 2.3 + 2.0	21.8 18.5	26.7 26.7	20.9 16.7	43.5 43.5	25.3 25.3	21.8 18.5	23 5 21.9
114	Herring	7	1	1		9	+ 2.1	64.7 57.2	2	1		7	‡ 1.3 ‡ 1.3	25.6 20.9	31.4 22.5	22.1 17.4	53.6 48.2	35.1 32.2	25.6 20.9	30.3 26.5
115	Mackerel	9			1	10	+ 7.3	87.5			1	9	+ 2.6 + 2.5	43.4	20.6	21.3	41.9	40.1	43.4	41.7
116	Salmon	7			2	9	+11.9	33.2 25.6	1		2	7	+ 7.3 + 8.2	17.9 17.9	28.6 17.0	22.7 22.7	51.3 42.5	22.6 19.0	17.9 17.9	20.2 18.4
117	*Flour: rye	7		3		8	+ 3.0	98.6 98.6		3		7	+ 1.9 + 3.2	38.9 33.8	24.1 24.1	25.9 19.8	50.0 50.0	42.1 42.1	38.9 33.8	40.5 37.9
119	*Flour: wheat, winter straights	8		2		9	- 1.4	89.6 89.6		2		8	- 5.5 - 4.0	36.8 32.9	21.0 21.0	22.1 19.9	43.1 41.6	40.7 40.7	36.8 32.9	38.7 36.8
120	*Flour: wheat, standard patents	8		2		9	- 5.7	73.1 73.1		2		8	- 5.4 - 3.9	32.4 28.5	25.9 25.9	17.2 14.3	43.1 40.4	36.1 36.1	32.4 28.5	34 2 32.3
128	*Apples	. 9		1		10	+ 3.1	127.5 127.5		1		9	- 2.4 - 1.5	49.3 46.2	18.4 18.4	23.4 22.1	41.9 39.7	54.1 54.1	49.3 46.2	51.7 50.1
129	*Currants	9		1		10	- 3.6	123.9		1		9	-10.3 -10.7	35.2	18.4	21.4	39.9	44.5	35,2	39.8
130	Prunes	10				11	+ .9	83.7				10	— 6.3 — 5.4	43.4	16,2	22.9	39.1	42.3	43.4	42.8
131	Raisins	7		1	2	8	+ 4.9	91.8 66.2		1	2	7	+ 5.4 + 5.4	42.8 38.0	34.1 26.2	20.9 17.5	55.0 42.8	42.6 38.0	42.8 38.0	42.7 38.0
138	Lard	8		1	1	9	- 2.6	105.2 91.2		1	1	8	- 4.1 - 3.3	39.9 35.5	28.9 22.4	21.0 18.0	49.9 40.0	45.9 42.8	39.9 35.5	42.9 39.1
139	Meal: corn, fine white	9		1		10	- 6.0	84.3		1	,	9	= 4.1 = 3.0	35.6	27.4	12.9	40.3	39.9	35.6	37.7
140	Meal: corn, yellow table	9		1		10	- 6.3	87.0		1		9	- 2.8 - 2.6	34.3	29.1	11,2	40.3	41.0	34.3	37,6
141	Molasses	7			3	8	+ 8.2	65.5 48.4			3	7	+ 5.1 + 5.1	28.6 28.6	30.6 22.8	23.7 23.7	54.3 45.8	34.0 28.0	28.6 28.6	31.3 28.3
145	Pepper	8		1	1	9	— 1.6	75.3 72.6		1	1	8	<u></u>	32.7 29.6	25.1 23.1	22.6 15.4	47.7 42.0	34.6 32.6	32.7 29.6	33.6 31.1

TABLE XII (Cont.)

(1) Ref.	(2) Commodity	(3) No. of	(4)	(5) Be	(6) havior	(7) during	(8) revival	(9)	(10)	(11) Be	(12) havior	(13) during	(14) recession	(15)	(16) Av	(17) erage dur	(18 ation		(20) rcentage	(21) Index
No.		cycles ob- served	Con- stant	Sag- ging	Ris- ing	Turns ob- served	Av. time as a de- viation in months from the refer- ence date	Av. per- cent- age of rise based on pre- ceding low value	Con- stant		Ris- ing	Turns ob- served	Av. time as a de- viation in months from the refer- ence date	Av. per- cent- age of fall based on pre- ceding high value	Rise in mos.	of Fall in mos.	Cycle in mos	Rise based on en- suing high value	Fall based on preceding high value	of cy- clical varia- bility
146	*Seit	8	1		1	9	+ 4.2	64.8 45.2	1	l	1	8	+ 3.5 + 3.5	24.3 24.3	28.4 21.7	17.5 17.5	45.9 38.4	33.2 28.4	24.3 24.3	28.7 26.3
148	Starch: corn	41	4		1	6	+ 3.2	39.5 35.0	3		1	6	‡ 2.0 ‡ 5.0	19.0 15.4	51.5 9.5	29.4 17.2	86.2 51.0	26.8 23.1	19.0 15.4	22.9 19.2
149	*Sugar: raw	9		1		10	+ 4.1	93.1 93.1		1		9	+ 6.0 + 8.4	40.4 39.3	26.2 26.2	18.1 16.6	44.3 42.1	43.7 43.7	40.4 39.3	42.0 41.5
150	*Sugar: granulated	9		1		10	+ 4.0	72.7 72.7		1		9	+ 6.9 + 9.0	33.5 32.2	27.2 27.2	17.7 16.1	44.9 42.7	37.2 37.2	33.5 32.2	35.3 34.7
152	*Tea	9				11	+ 2.2	25.5	1			9	- 4.4 - 5.6	17.3	16.9	21.9	38.8	19.1	17.3	18.2
158	Cottonseed oil	10				11	5	103.6				10	- 1.2 6	38.8	22.6	15.9	38.5	45.2	38.8	42.0
161	*Vinegar	81	2			9	+10.0	63.5 63.5				10	+ 2.4 + 2.4	29.5 29.8	20.9 20.9	24.8 18.4	39.2 39.2	31.0 31.0	29.5 29.8	30.2 30.4
166	Men's shoes: black calf	4	4		. 2	5	+ 6.0	63.0 6.0	3		3	4	- 3.3 - 3.3	11.0 11.0	46.5 8.5	25.5 25.5	72.0 32.0	24.2 5.7	11.0 11.0	17.6 8.3
173	Men's shoes: chocolate	7		1	2	8	+ 4.1	25.4 14.0	<u> </u>	1	2	7	- 2.4 - 2.4	14.9 14.9	28.3 15.2	22.7 22.7	51.0 36.7	16.6 11.3	14.9 14.9	15.7 13.1
174	Men's shoes: vici kid	2	4	1	3	3	+ 2.3	89,9 4.3	5	1	2	2	+ 1.5 + 1.5	20.3 20.3	91.0	17.5 17.5	108.5	35.3 4.2	20.3 20.3	27.8 12.2
177	Women's shoes	5		1	4	6	+ 7.8	54.7 14.1		1	4	5	<u></u>	14.8 14.8	40.8 13.3	26.6 26.6	67.4 39.3	25.0 12.2	14.8 14.8	19.9 13.5
179	Calico	9	1			10	+ 6.0	64.9 64.9	1			9	+ 1.2 + 2.0	25.7 25.7	19.0 19.0	24.4 19.7	43.4 39.6	26.8 26.8	25.7 25.7	26.2 26.2

180	Denims	91	1	1		10	+ 5.0	55.6	1	1	1	10	+ 5 + 6.	24.2	23.9	15.8	39.2	27.9	24.2	26.0
181	Drillings: Pepperell	91		i		10	+ 8.3	60.3				10	+ 4.8 + 5.9	23.4	19.9	19.4	38.3	29.4	23.4	26.4
182	Drillings: Mass D	91		1		10	+ 1.7	74.2				10	+ 4.1 + 4.8	26.4	25.8	13.4	38.9	32.6	26.4	29.5
183	Flannel: colored	71		3		8	+ 7.6	96.3		2		8	+ 7.4 + 8.7	31.7	27.0	12.0	38.1	37.6	31.7	34.6
184	Flannel: unbleached	81		2		9	+ 8.1	73.3		1		9	+10.1 +11.0	26.7	27.0	11.6	38.5	32.5	26.7	29.6
185	Ginghams; Amoskeag	10				11	+ 4.8	45.6				10	+ 6.1 + 6.4	22.3	25.0	16.0	41.0	25.3	22.3	23,8
186	Ginghama: Laucaster	9	2		1	9	+ 4.3	50.3				10	† 4.7 † 4.9	20.7	25.8	14.9	38.8	26.1	20.7	23.4
190	Muslin: Fruit of the Loom	10				11	+ 1.5	57.6				10	‡ 5.4 ‡ 5.7	25.3	26.3	11.9	38.2	30.2	25.3	27,7
191	Muslin: Lonsdale	10				11	+ 4.9	58.2				10	‡ 5.7 ‡ 6.0	25.8	23.8	14.2	38.0	29.5	25.8	27.6
192	Muslin: Rough Rider	,10		_		11	+ 6.3	51.6				10	+ 4.5 + 4.8	23.4	20.0	16.8	36.8	24.9	23.4	24.1
193	Muslin: Wamsutta	9	1			10	+ 9.9	44.3	1			9	+6.4 +7.4	17.5	20.8	18.8	39.6	21.7	17.5	19.6
195	Print cloths	91		1		10	+ 2.0	108.7				10	‡ :3	42.0	21.7	19.0	39.9	43.5	42.0	42.7
196	Sheetings: 4-4 Indian Head	91		1		10	+ 8.3	63.7				10	+ 8.1 + 9.2	24.3	23.2	16.6	39.0	28.6	24.3	26.4
197	Sheetings: 4-4 Peppereil	10				11	+ 6.8	68.3				10	+ 5.2 + 6.3	27.0	22.5	17.5	40.0	31.0	27.0	29.0
198	Sheetings: 4-4 Ware Shoals	9				10 ²	+ 5.3	93.0 96.7				10	‡ 1.7	33.4 33.4	25.2 20.2	18.9 18.9	44.1 40.4	36.4 36.1	33.4 33.4	34.9 34.7
199	Cotton thread	31	7			4	+20.5	64.4 69.9	6			4	+ 3.5 + 3.3	20.4 19.7	44.3 17.5	49.2 32.3	96.0 45.0	36.4 37.7	20.4 19.7	28.4 28.7
202	Cotton yarns: carded, cones 10/1	9}		1		10	+ 3.8	82.9				10	+ 3.0 + 3.7	34.8	22.6	18,3	39.9	36.8	34.8	35.8
203	Cotton yarns: carded, cones 22/1	10				11	+ 3.9	75.3				10	+ 3.5 + 4.2	32.7	23.7	17.1	40.8	34.6	32.7	33.6

TABLE XII (Cont.)

(1) Ref.	(2) Commodity	No. of	(4)			(7) during :		(9)	(10)	Bel		<u>_</u>	(14) recession	(15)	(16) Ave	(17) rage dura of	(18) stion		(20) centage	(21) Index
No.		cycles ob- served	Con- stant	Sag- ging	Ris- ing	Turns ob- served	Av. time as a de- viation in months from the refer- ence date	Av. per- cent- age of rise based on pre- ceding low value	Con- stant		Ris- ing	Turns ob- served	Av. time as a deviation in months from the reference date	Av. per- cent- age of fall based on pre- ceding high value	Rise in mos.	Fall in mos.	Cycle in mos.	Risc based on en- suing high value	Fall based on pre- ceding high value	of cy- clical varia- bility
206	Flannels: white	8		1	1	9	+ 3.7	31.4 32.4		1	1	8	+ 5.7 + 6.0	9.5 9.5	33.4 27.0	11.1 11.1	44.5 37.7	21.1 21.2	9.5 9.5	15.3 15.3
210	Suiting: Middlesex	6}	1	1	1	8	+ 6.0	53.3 51.3	1	1	1	7	+ 3.1 + 3.0	15.7 13.0	37.8 21.4	21.1 15.7	53.5 35.4	25.7 23.1	15.7 13.0	20.7 18.0
213	Underwear: shirts and drawers	3	5			6	+ 7.7	41.9 10.4	7			3	+ 6.7 + 8.5	15.0 15.0	96.0 24.0	28.7 13.0	124.7 26.0	21.3 9.2	15.0 15.0	18.1 12.1
214	Underwear: union suits	2	4		1	58	+10.4	270.0 5.4	6		1	24	+ 6.0 + 6.0	35.6 48.1	141.5 36.0	47.5 23.0	189.0	44.7 5.2	35.6 48.1	40.1 26.6
215	Broadcloth	6		1	2	78	3	42.0 14.8		1	2	64	— :3 — :3	20.5 17.1	40.5 21.5	19.5 15.2	60.0 40.3	22.6 11.1	20.5 17.1	21.5 14.1
216	French serge	7	1	1	1	8	+ .9	43.3 43.3	1	1	1	7	+ 2.6 + 2.2	21.0 16.6	30.9 30.9	23.1 16.0	54.0 46.2	25.0 25.0	21.0 16.6	23.0 20.8
217	Storm serge	8	1	1		9	— .ı	48.1 48.1	1	1		8	+ 3.9 + 3.7	22.6 21.7	29.0 29.0	18.7 14.1	47.7 43.1	22.9 22.9	22.6 21.7	22.7 22.3
218	Poplar cloth	S	3	2		6	+ 9.8	49.3 49.3	3	2		5	+ 7.4 + 8.7	18.5 18.5	35.6 35.0	20.2 14.0	55.8 53.3	24.8 24.8	18.5 18.5	21.6 21.6
219	Sicilian cloth	54	4		1	6	+ 5.8	50.4 50.4	3		1	6	+ .8 0	16.9 16.9	41.6 30.0	25.8 14.0	55.6 41.7	25.2 25.2	16.9 16.9	21.0 21.0
220	Worsted yarns: 2-32's	10				11	+ 1.9	54.5				10	- 1.5 - 1.9	24.4	19.9	18.2	38.1	26.8	24.4	25.6
221	Worsted yarns: 2-40's	9		1		10	— .5	56.6 56.6		1		9	— 1.3 — 1.6	24.1 21.9	24.7 24.7	18.7 14.5	43.3 41.5	25.6 25.6	24.1 21.9	24.8 23.7
223	Linen shoe thread	3	4	1	1	S	+14.0	76.8 5.1	5	1	1	3	+ 8.7 + 8.7	16.4 7.3	75.0 11.0	49.7 35.0	124.7	26.2 4.9	16.4 7.3	21.3 6.1

226	Silk: raw, Japanese Kansai No. 1	10				11	- 4.0	73.4				10	$\begin{bmatrix} -1.2 \\ -1.6 \end{bmatrix}$	35.4	26.5	12.6	39.1	37.0	35.4	36,2
228	Silk: raw, Japanese extra-extra	10				11	- 3.4	68.3			-	10	+ :1	34.4	27.1	11.9	39.0	36.3	34.4	35.3
232	Anthracite coal: broken	4	4			7	+ 8.7	19.6 13.6	4		2	4	+ 2.2 + 1.3	10.2 10.2	61.2 8.3	23.0 23.0	84.2 34.6	15.7 11.9	10.2 10.2	12.9 11.0
233	Anthracite coal: chest- nut	3	4		1	6	+ 5.7	39.7	4	-	3	3	+ 6.3 + 6.3	22.5	19.7	21.0	40.7	28.3	22.5	25.4
234	Anthracite coal: egg	2	4		2	5	+ 1.1	33.4	4		4	2	+ 4.5 + 4.5	27.9	11.0	33.0	44.0	25.0	27.9	26.4
235	Anthracite coal: stove	2	5		1	5	+10.0	38.5	4		4	2	+ 4.5 + 4.5	36.9	11.5	31.0	42.5	27.6	36.9	32.2
236	Bituminous coal: Kanawha	9}	1	_		10	+10.2 +13.1	59.4				10	+ 2.5 + 2.2	27.4	13.7	25.2	39.9	31.2	27.5	29.3
237	Bituminous coal: New River	8		1		10	+ 4.2 + 6.4	122.7 65.2		1		85	+ 4.1 + 6.7	33.8 28.2	17.9 24.0	23.7 13.7	51.6 37.7	39.3 32.9	33.8 28.2	36.5 30.5
238	Bituminous coal: Pocahontas	8	2			9	+ 6.4 + 9.2	71.4 71.4	2			8	‡ 3:7	32.1 34.2	16.9 16.9	31 . 1 21 . 7	48.0 39.1	33.5 33.5	32.1 34.2	32 .8 33 .8
239	Coke	10				11	+ .8	215.2				10	— 1.9 — .5	58.2	20.7	17.2	37.9	58.2	58.2	58.2
244	Matches	11	9			2	+ 2.0	16.7 16.7	7		1	2	+ 6.0 + 6.0	28.6 28.6	85.0	81.0 7.0	240.0	14.3 14.3	28.6 28.6	21.4 21.4
247	Petroleum: crude	8.		1	1	9	+ 2.4	124.4 91.9		1	1	8	+ 6.9 + 6.9	39.9 41.8	29.9 25.0	16.7	46.6 37.7	50.1. 46.2	39.9 41.8	45.0 44.0
248	Petroleum; refined, for export	7		2	1	8	+ 4.0	67.3 40.7		2	1	7	+ 6.1 + 6.1	26.1 27.6	29.4 23.8	19.9 17.2	49.3 38.2	33.1 27.0	26.1 27.6	29.6 27.3
249	Petroleum: refined 150° fire test	7		2	1	8	+ 7.7	47.2 31.4		2	1	7	+ 6.3 + 6.3	17.9 15.6	25.3 22.7	24.0 22.5	49.3 42.6	27.7 22.6	17 9 15.6	22.8 19.1
250	Augers	4	4		2	5	+ 7.4	125.4 32.2	3		2	5	+ 7.6 + 7.6	18.3 18.3	65.0 32.5	19.5 12.7	62.7 44.5	43.8 23.0	18.3 18.3	31 (20.6
251	Butts	7	2			9	+ 9.6	160.1 80.5	3			7	+ 7.4 + 7.3	17.2 17.2	32.0 18.5	23.1 19.0	55.1 37.5	36.4 31.0	17.2 17.2	26.8 24.1
252	Chisels	5 }	3		2	6	+13.3	61.4 26.9	2		2	6	+ 6.2 + 6.2	21.6 21.6	35.8 15.0	30.2 24.4	64.8 36.0	31.2 19.0	21.6 21.6	26.4 20.3
253	Door knobs	7+	1	1		9	+ 9.6	49.4 42.7	2			8	+ 5.0 + 5.0	22.7	24.2 15.4	22.7 22.7	46.7 39.0	30.1 27.4	22.7	26.4 25.0

TABLE XII (Cont.)

(1) Ref.	(2) Commodity	(3) No. of	(4)	(5) Bel	(6) navior	(7) during 1	(8) revival	(9)	(10)	(11) B	(12) havio	(13) r during	(14) recession	(15)	(16) Ave	(17) rage dura	(18) ition	(19) Av. per	(20) centage	(21) Index
No.		cycles ob- served	Con- stant			Turns ob- served	Av. time as a de- viation in months from the refer- ence date	Av. per- cent- age of rise based on pre- ceding low value	Con- stant	Sag- ging	Ris- ing	Turns ob- served	Av. time as a deviation in months from the reference date	Av. per- cent- age of fall. based on pre- ceding high value	Rise in mos.	of Fall in mos.	Cycle in mos.	Rise based on en- suing high value	Fall based on pre- ceding high value	of cy- clical varia- bility
254	Files	3	3	4		4	+ 7.2	49.9 49.9	2	4	i	. 3	+ 5.7 + 5.5	17.1 17.2	30,3 30,3	70.3 16.0	100.7 42.5	29.5 29.5	17.1 17.2	23.3 23.3
255	Hammers	4	5		ı	5	+13.6	56.5 10.4	3		3	4	+13.2 +13.2	11.1 11.1	58.7 15.5	28.7 18.3	87.5 30.0	26.4 9.4	11.1 11.1	18.7 10.2
258	Locks	8	1	1		9	+12.2	69.3 39.2	1			9	+10.6 +11.2	20.1 20.1	26.2 17.7	19.0 19.0	47.0 39.3	30.8 24.7	20.1 20.1	25.4 22.4
259	Pig iron: basic	10				11	+ 5.1	82.2				10	- 3.4 - 2.2	36.0	14.8	23.0	37.8	35,9	36.0	35.9
260	Pig iron: Bessemer	10				11	+ 3.2	79.4				10	- 2.4 - 1.1	39.2	17.3	20.7	38.0	39.4	39.2	39.3
261	Pig iron: foundry No. 2 Northern	10				11	+ 3.1	90,3				10	- 3.4 - 2.2	39.3	16.7	21.1	37.8	39.6	39.3	39,4
263	Pig iron: foundry No 2 Southern	10				11	+ 1.5	88.2				10	- 3.0 - 2.0	38.4	19.2	19.3	38.5	39.2	38.4	38.8
266	Bar Iron, from store, Phila.	10				11	+ 3.5	68.3				10	O	31.9	20.1	19,1	39.2	31.9	31.9	31,9
267	Bar iron: from mill, Pitts.	10				11	+ 2.9	84.8				10	- 3.0 - 4.0	35.0	17.8	21_3	39.1	36.1	35.0	35.6
269	Nails: wire	9		1		10	+ 7.1	60.5 60.5		1		9	+ 2.6 + 4.2	29.3 26.9	19.6 19.6	22.8 18.7	42.3 38.7	30.8 30.8	29.3 26.9	30.0 28.8
271	Planes	3	6		2	3	+23.0	86.2 11.1	2	1	3	4	+ 4.0 + 4.0	18.6 20.8	50.7 9.0	56.3 39.0	96.0	36.2 10.0	18.6 20.8	27.4 15.4
272	Saws: crosscut	1	8		1	2	+10.5	67.8 11.1	8		1	1	+13.0 +13.0		66.0	15.0 15.0	81.0	32.7 10.0	10.0	21.3

273	Saws: hand	1	7	1	1	3	+13.3	63.3	8	1	1	1	+13.0 +13.0	18.2 18.2	186.0	15.0 15.0	201.0	31.2 8.5	18.2 18.2	24.7 13.3
274	Shovels	61	3	1		7	+12.3	23.8 22.9	3			7	+ 6.0 + 6.5	10.9 10.9	28.8 18.6	24.7 24.3	53.2 38.0	15.0 13.7	10.9 10.9	12.9 12.3
276	Steel billets	10				11	+ 3.6	103.2				10	$\frac{-3.2}{-2.0}$	40.2	16.7	21.4	38.1	40.1	40.2	40.1
280	Steel rails	5	4		1	7	+ 5.3	45.7 32.5	5	-		5	+ 5.2 + 5.5	26.7 26.7	57.6 18.5	18.6 18.6	76.2 39.2	25.3 19.8	26.7 26.7	26.0 23.2
287	Trowels	1	8		1	2	+22.0	55.0 1.7	8		1	1	+14.0 +14.0	5.8 5.8	49.0	19.0 19.0	68.0	26.8 1.7	5.8 5.8	16.3 3.7
288	Vises	8		1	1	9	+11.1	40.2 35.2		1	ī	8	+ 3.9 + 3.9	19.5 19.1	21.0 16.1	28.9 24.9	49.9 39.5	21.I 18.0	19.5 19.1	20.3 18 5
289	Wire: fence	9		1		10	+ 3.6	48.3		1		9	+ .8 + 2.2	23.0	22.3	17.1	39.4	25.5	23.0	24,2
291	Wood screws	9	_	1	1	9	+ 5.6	80.7				10	+ 5.2 + 6.9	39.2	23.8	16.7	40.2	37.9	39.2	38.5
293	Copper: ingot	10				11	z	65.0				10	- 5.1 - 3.7	33.2	18.6	20.2	38.8	33.6	33.2	33.4
294	Copper: sheet	9		1		10	+ 3.1	53.2		1		9	- 3.0 - 1.2	28.6	18.7	20.0	38.7	30.0	28.6	29.3
295	Copper: wire	10				11	+ 1.3	56.3				10	- 5.5 - 4.2	30.7	16.6	22.4	39.0	30.7	30.7	30.7
296	Lead: pig	10				11	5	66.2				10	1.9 4	30.0	22.1	15.8	37.9	32.8	30.0	31.4
297	Lead: pipe	8	1	í		9	8	66.3	1	1		8	$\frac{-2.6}{-1.0}$	28.6	24.1	15.6	39.7	35.2	28.6	31.9
298	Quicksilver	9		1		10	+ 3.0	59.0 59.0		ī		9	+2.3 + 2.4	24.7 24.9	23.0 23.0	18.4 13.4	41.4 33.6	26.5 26.5	24.7 24.9	25.6 25.7
299	Silver	8		1	1	9	+ 1.4	41.5 21.9		1	1	8	2 2	23.6 23.6	25.6 21.7	18.5 18.5	44.1 40.9	23.5 17.7	23.6 23.6	23.5 20.6
300	Tin: pig	10				11	+ .1	73.8				10	+ .4	31.8	23.3	15.6	38.9	34.6	31.8	33.2
301	Zinc: sheet	8		1		10	+ 1.7	70.6 64.5		1	1	8	5.5 9	26.3 26.3	23.0 17.6	20.7	43.7	31.6 28.5	26.3 26.3	28.9 27.4
302	Zine: slab	9		1	-	10	<u> </u>	88.3		1		9	$\phantom{00000000000000000000000000000000000$	35.3	20.1	19.1	39.2	39.8	35.3	37.5

TABLE XII (Cont.)

(1) Ref. No.	(2) Commodity	(3) No. of	(4)			(7) during		(9)			avior		(14) recession	(15)	(16) Ave	(17) rage dur of	(18) ation		(20) centage	(21) Index
140.		cycles ob- served	Con- stant	Sag- ging	Ris- ing	Turns ob- served	Av. time as a deviation in months from the reference date	Av. per- cent- age of rise based on pre- ceding low value	Con- stant		Ris- ing	Turna ob- served	Av. time as a deviation in months from the reference date	Av. per- cent- age of fall based on pre- ceding high value	Rise in mos.	Fall in mos.	Cycle in mos.	Rise based on en- suing high value	Fall based on pre- ceding high value	of cy- clical varia- bility
306	Hemlock: N. Y.	6	1	1	1	8	+ 6.4	47.9 21.9	3		1	6	+ 4.2 + 4.2	15.2 15.2	38.3 24.7	17.5 17.5	55.8 41.7	24.8 15.5	15.2 15.2	20.0 15.3
308	Maple: N. Y.	6	2		1	8	+11.2	55.1 44.9	3		1	6	+ 7.0 + 6.8	13.4 13.4	35.0 20.4	14.0 14.0	49.0 36.6	29.7 25.3	13.4 13.4	21.5 19.3
310	Oak; white, plain N. Y.	6	2		2	7	+ 7.3	77.1 13.5	2		2	6	+ 1.3 + 1.3	20.7 23.6	38.7 20.3	27.3 21.0	66.0 35.5	30 1 11.6	20.7 23.6	25.4 17.6
312	Oak: white, quartered, N. Y.	84	2			9	+11.0	47.1 51.2	1			9	+11.9 +13.0	13.2 13.2	28.9 23.9	15.4 15.4	44.5 38.9	24.5 25.8	13.2 13.2	18.8 19.5
313	Pine: white boards	7 5		2		9	+12.1	32.7 27.2	1	1		8	+ 8.5 + 9.1	8.2 6.2	28.4 23.1	20.0 12.7	51.3 42.4	22.7 20.0	8.2 6.2	15.4 13.1
317	Pine: yellow siding	5	1	1	1	8	+ 3.6	120.4 35.7	3	1	1	5	= 1:4	28.0 28.0	45.0 23.3	19.4 19.4	64.4 42.3	40.9 24.6	28.0 28.0	34.4 26.3
319	Popiar: N. Y.	9	1			10	+ 9.8	37.8 37.8	1			9	+ 5.0 + 5.2	12.0 12.0	20.1 20.1	22.8 18.0	42.9 39.0	23.1 23.1	12.0 12.0	17.5 17.5
321	Spruce	9			1	10	+ 2.2	36.8 28.8			1	9	+ 7.8 + 7.8	17.3 17.3	25.3 22.1	18.3 18.3	43.7 39.9	25.0 21.9	17.3 17.3	21.1 19.6
323	Shingles: cypress	5	2	2	1	6	+ 3.7	55.5 30.7	2	2	1	5	- 2.6 - 2.6	23.2 23.2	39.2 29.7	20.2 20.2	59.4 50.0	28.8 21.7	23.2 23.2	26.0 22.4
324	Shingles: red cedar	8		1	1	9	+ 6.6	67.4 72.2		1	1	8	-1.7 + .3	30.4 33.3	21.1 15.6	26.2 20.1	47.4 37.0	34.3 35.6	30.4 33.3	32.3 34.4
327	Brick	9			1	10	0	91.7 54.7			1	9	-2.4 -2.4	35.3 35.3	25.2 20.0	18.3 18.3	43.6 38.5	39.3 34.3	35.3 35.3	37.3 34.8
335	Doors	61		2	2	7	+ 6.3	70.9 25.0		1	2	7	= :7	25.6 22.5	28.3 17.8	28.3 23.2	57.8 49.3	31.2 17.7	25.6 22.5	28.4 20.1

338	Lime ^s	4	1	2	1	5	· · · · · ·	109.2 37.6	1	1	1	5	+ :8	27.7 27.7	61.5 9.0	17.7 17.7	79.2 32.3	38.4 25.8	27.7 27.7	33.0 26.7
344	Glass: window, A	9			1	10	+ 2.8	78.8 55.5			1	9	+ 1.9 + 1.4	34.1 34.1	28.2 21.6	16.1 16.1	44.3 39.2	36.2 31.6	34.1 34.1	35.1 32.8
345	Glass: window, B	10				11	+ 2.4	67.6				10	+ 1.5 + 1.0	29.5	24.0	15.9	39.9	33.6	29.5	31.5
348	Linseed oil	10				11	- 1.5	96.5		-		10	+ 1.0 + 1.2	36.6	25.9	12.6	38.5	42.0	36.6	39.3
349	Putty	5}	4	1		6	+10.0	59.8 59.8	3	1		6	+ 4.8 + 6.2	24.1 25.9	26.3 19.2	34.8 16.7	65.6 39.0	31.1 31.1	24.1 25.9	27.6 28.5
350	Rosin	9			1	10	+ 2.8	124.5 109.7			1	9	† :8 † :6	36.8 36.8	26.0 20.6	16.2 16.2	42.2 37.0	43.7 40.3	36.8 36.8	40.2 38.5
352	Tar	8		1		98	+ 3.8	88.3	1	1		8	+ 2.1 + 3.6	37.7	25.0	17.4	42.2	44.4	37.7	41.0
353	Turpentine: spirits of	9			1	10	7	139.8 88.9			1	9	+ 1.0 + 1.0	42.0 42.0	28.9 25.7	14.0 14.0	43.0 40.1	46.6 41.8	42.0 42.0	44.3 41.9
354	Lead: carbonate of	10				11	+ 2.6	25.3				10	+ 4.2 + 4.3	12.7	24.1	14.9	39.0	17.2	12.7	14.9
355	Zinc: oxide of	8				11	+ 8.3	26.1 13.5	2			8	+ 1.5 + 3.0	12.8 12.8	28.2 13.3	22.1 22.1	50.41 35.2	17.4 11.4	12.8 12.8	15.1 12.1
357	Acid: muriatic	41	3	2	1	5	+ .2	87.0 72.1	2	2	1	5	- 2.0 - 1.2	37.1 39.6	26.2 16.7	53.5 18.7	82.2 35.7	42.0 37.6	37.1 39.6	39.5 38.6
360	Acid: sulphuric	51	4		1	6	- 1.2	56.4 47.7	3		i	6	— 5.7 — 5.8	30.2 30.2	27.0 20.0	46.4 21.7	77.0 47.0	30.7 26.8	30.2 30.2	30.4 28.5
362	Alcohol: wood	9	1			10	- 1.5	85.3 85.3	1			9	+ 1.4 + 2.5	39.4 39.4	30.8 27.4	13.4 13.4	44.2 38.6	37.1 37.1	39.4 39.4	38.2 38.2
363	Alum	5	4			7	0	61.4 14.9	5			5	+ 8.8 +10.5	19.1 19.1	62.8 18.7	10.4 10.4	73.2 31.7	22.7 10.3	19.1 19.1	20.9 14.7
377	Soda: bicarbonate of	51	4	1		6	+14.3	69.3 69.3	2	1		7	+ 4.9 + 5.3	33.3 28.0	13.2 13.2	57.8 22.0	72.4 40.7	28.2 28.2	33.3 28.0	30.7 28.1
381	Sulphur	4	1	4		6	+ 1.8	74.1 55.2	3	3		4	-10.0 -10.3	35.5 24.4	47.7 24.0	39.7 23.3	87.5 47.3	35.4 28.3	35.5 24.4	35.4 26.3
382	Tailow	10				. 11	- 1.6	74.4				10	- 1.7 - 1.8	35.4	23.5	14.8	38.3	38,2	35.4	36.8
393	Alcohol: grain	8			2	9	- 3.9	26.6 28.7			2	8	- 7.2 - 6.8	9.4 9.4	25.9 20.6	18.6 18.6	44.5 39.1	16.2 17.0	9.4 9.4	12.8 13.2

TABLE XII (Cont.)

(1) Ref	(2)	[(3)_	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Ref No.	Commodity	No. of cycles	Con-	Be Sag-	havior	during Turns	revival	I Āv.	Con-	Bag-	ehavio Ris-	f during Turns	recession Av.	ı I Av.	Ave	rage dun of	ation		rcentage of	Index of cy-
		ob- served		ging	ing	ob-	time as a de- viation in months from the refer- ence date	per- cent- age of rise based on pre- ceding low value	stant	ging	ing	ob-	time as a de- viation in months from the refer- ence date	per- cent- age of fall based on pre- ceding high value	Rise in mos.	Fall in mos.	Cycle in mos.	Rise based on en- suing high value	Fall based on pre- ceding high value	clical varia- bility
396	Glycerine	8		2		9	+ 4.6	81.6 81.6		2		8	+ 5.0 + 7.0	35.3 36.3	24.7 24.7	18.6 12.0	43.4 34.9	39.4 39.4	35.3 36.3	37.3 37.8
397	Opium	9			1	10	.3	111.8			1	9	6 + .2	35.6	24.4	14.8	39.2	43.1	35.6	39.3
400	Quinine	7 }	3			8	+11.0	85.5 85.5	2			8	+ 3.4 + 3.1	32.5 32.5	16.5 16.5	28 3 22.7	45.7 42.5	37.1 37.1	32.5 32.5	34.8 34.8
405	Bedroom chairs	31	2	2	1	6	+11.7	104.6 35.5	3	2	1	4	+ 8.7 + 8.7	20.1 20.1	56.7 23.5	27.3 19.5	96.3 43.0	38.2 23.7	20.1 20.1	29.1 21.9
406	Bedroom sets	44		3	1	7	+11.3	71.1 74.1	2	2	1	5	+ 4.6 + 5.0	15.8 15.8	48.0 21.3	16.7 16.7	74.2 40.5	38.6 37.7	15.8 15.8	27.2 26.7
412	Kitchen chairs	6 }	1	1		9	+12.6	51.9 38.0	1		1	8	+10.6 +11.7	16.0 14.5	31.9 21.2	26.0 19.8	62.0 47.5	27.8 22.8	16.0 14.5	21.9 18.6
414	Kitchen tables	2	3	1	1	6	+16.7	284.2 24.3	5		1	4	† 5.5 † 5.5	21.2 34.5	134.0 10.0	43.5 21.0	279.0	52.0 19.6	21.2 34.5	36 6 27.0
417	Carpets: Axminster	7	1	1	1	8	+ 5.9	37.9 40.9	1	1	1	7	+ 6.7 + 7.0	13.7 12.2	32.3 26.7	22.3 13.2	54.6 42.8	23.1 24.2	13.7 12.2	18.4 18.2
418	Carpets: Brussels	6	1		1	9	+ 4.6	42.6 53.0	3		1	6	+ 4.0 + 3.8	11.7 11.7	48.2 26.2	19.5 10.8	67.7 38.0	23.6 26.9	11.7	17.6 19.3
419	Carpeta: Wilton	6	2			9	+ 2.7	39.5 47.6	2		2	6	+ 2.5 + 2.0	12.3 12.3	47.5 25.2	19.8 10.6	67.3 39.3	22.9 25.3	12.3 12.3	17.6 18.8
422	Pails	4	2	1	3	5	+ 8.0	89.6 23.3	1	1	3	5	+ 7.6 + 7.6	26.1 29.2	59.7 10.5	24.2 16.0	84.0 24.5	38.5 18.8	26.1 29.2	32.3 24.0
423	Sheeting: 10-4 Pep- perell	10				11	+ 5.1	\$4.1				10	+ 3.7 + 3.8	25.5	23.0	15.8	38.8	30.0	25.5	27.7

424	Sheeting: 10-4 Wam- sutta	8	1	1		10	+13.6	42.4 45.6	2			8	+ 7.4 + 8.0	16.4 16.4	25.1 20.6	20.0 20.0	45.1 38.6	22.4	16.4 16.4	19.4 19.9
425	Nappies	2	5	2	2	2	+36.5	133.6 40.0	4	1	2	3	‡ 3.7 ‡ 3.7	19.0 19.0	84.0	66.0 60.0	156.0	49.0 28.6	19.0 19.0	34.0 23.8
426	Pitchers	5 1	4		1	6	+21.2	55.1 26.2	2		1	7	+ 9.3 + 9.3	20.3 17.3	26.8 12.7	36.0 31.2	60.4 40.7	28.9 20.3	20.3 17.3	24.6 18.8
427	Tumblers	5	3	1		7	+ 8.9	61.1 65.8	1	-1	•	8	+ 4.5 + 4.3	30.9 18.1	24.6 21.7	56.6 12.5	81.2 30.5	27.3 26.7	30.9 18.1	29.1 22.4
428	Plates ·	2 1	4	2	1	4	+14.7	80.0 17.4	5	1	1	3	+11.3 +11.3	15.6 15.6	72.7 24.0	53.0 19.0	150.0	31.9 14.2	15.6 15.6	23.7 14.9
429	Teacups and saucers	2 j	4	2	1	4	+14.7	82.6 14.4	5	1	1	3	+11.3 +11.3	15.6 15.6	72.7 24.0	53.0 19.0	150.0	31.1 12.3	15.6 15.6	23.3 13.9
430	Tickings: Amoskeag,	91		1		10	+ 3.8	63.5				10	+ 4.7 + 5.3	27.4	23.9	14.8	38.1	30.5	.27.4	28.9
431	Tubs	3 1	3	1	2	5	+19.4	118.1 38.3	4		2	4	+ 5.5 + 5.5	23.3 23.3	82.3 13.0	35.7 20.3	102.7 39.0	42.0 27.7	23.3 23.3	32.6 25.5
433	Cottonseed meal	9			1	10	+ 1.4	52.8 35.4			1	9	- 4.9 - 4.9	26.0 26.0	20.1 15.1	22.2 22.2	42.3 38.0	29.7 25.2	26.0 26.0	27.8 25.6
436	Leather: calf	10				11	1	49.2				10	- 3.5 - 1.6	19.1	20.1	19.6	39.7	26,1	19.1	22.6
438	Leather: harness oak	9				11	+ .8	35.7 28.7	1			9	+ .7 + .6	18.7 18.7	27.0 19.1	15.7 15.7	42.7 36.2	24.0 21.0	18.7 18.7	21.3 19.8
440	Leather: sole oak	10		ļ		11	- 1.2	30.8				10	- 1.0 + .9	15.6	24.1	14.8	38.9	20.6	15.6	18.1
441	Leather: sole oak, scoured backs	9			1	10	- ,8	33.0 22.0			1	9	$\frac{-2.3}{-1.5}$	19.8 19.8	26.2 19.2	15.7 15.7	41.9 35.5	21.4 17.3	19.8 19.8	20.6 18.5
443	Paper: newsprint	71	1	2		8	+12.2	4.4		2		8	+ 6.9 +10.0	19.8	21.9	17.3	38.6	26.8	19.8	23.3
444	Paper: wrapping, Manila	7	1		2	8	+ 5.2	42.6 43.5	1		2	7	+12.7 +14.0	18.7 18.7	36.0 29.2	14.0 10.0	50.0 38.6	22.2 21.5	18.7 18.7	20.4 20.1
448	Jute	10	-			11	+ 1.6	91.7				10	+ 2.6 + 2.8	39.2	23.4	15.2	38.6	42.5	39.2	40.8
450	Rope	10				11	+ 1.4	60.6				10	‡ :5 ‡ :3	28.9	22.0	16.8	38.8	31.0	28.9	29.9
451	Rubber	9	-	 	1	10	9	67.8 64.4			1	9	5 7 6.4	41.0 41.0	23.7 22.4	20.0 20.0	43.7 40.7	31.5 29.3	41.0 41.0	36.2 35.1

TABLE XII (Conc.)

(1)	(2) Commodity	(3) No. of	(4)				(8) revival	(9)	(10)				(14) recession	(15)	(16) Aver	(17) age dura	(18) ition	(19) Av. per	(20) rcentage	(21) Index
Ref. No.		cycles ob- served		Sag- ging	ing	Turns ob- served	time as a de- viation in months from	Av. per- cent- age of rise based on pre- ceding low value	Con- stant	Sag- ging	ing	Turns ob- served	Av. time as a de- viation in months from the refer- ence date	Av. per- cent- age of fall based on pre- ceding high value	Rise in mos.	Fall in mos.	Cycle in mos.	Rise based on en- suing high value	Fall based on preceding high value	of cy- clical varia- bility
455	Starch: laundry	7	1		2	8	+ 1.1	47.4 42.4	1		2	7	+ 1.3	25.9 25.9	30.9 19,4	22.3 19.8	53.1 32.2	29.5 26.8	25.9 25.9	27.7 26.3
456	Tobacco: plug	31	6		1	4	+ 5.7	37.5 16.7	4		1	5	+ 4.8 + 4.8		52.5 50.0	42.3 13.5	87.7 64.0	22.8 13.7	9.5 8.2	16.1 10.9
457	Tobacco: smoking	1 1	6		2	3	+10.7	37.2	6		2	2	+ 4.0 + 4.0	9.7 9.7	149.0	9.0 9.0	150.0	25.9	9.7 9.7	17.8

²No sales during one phase of revival.

No quotation during one phase of revival-

⁴No quotation during one phase of recession.

Strike during one phase of recession.

The measures for lime (commodity No. 338) relate to the eight cycles occurring between 1890 and 1919. A change of grade in 1920 made it impossible to carry the analysis through the entire period.

TABLE XIII

MEASURES DESCRIBING THE BEHAVIOR OF WHOLESALE COMMODITY PRICES DURING PERIODS OF REVIVAL AND RECESSION IN AMERICAN BUSINESS, 1890-1925

Ranking of Commodities, by Groups, according to the Average Duration of Cycle.¹

(1) Ref. No.	(2) Commodity	(3) Average duration of cycle (in months)
	72	
13	Farm products	37.0
13	Cattle: choice to prime *Barley	37.3
49	*Onions	37.4
19	Sheep: wethers	38.0
17	Sheep: ewes	38.2
42	Hides	38.3
16	Hogs: light	38.4
22	Beans	38.4
47	Milk	38.4
25	Cotton	38.7
15	Hogs: heavy	38.8
14	Cattle: good to choice	38.9
51	*Potatoes	39.1
2	*Corn	39.7
4	*Oats	41.2
59	Wool: medium	43.5 (37.7)
53	Rice	43.6 (39.6)
5 37	*Rye	44.7 (37.9) 46.9 (40.9)
44	*Hay *Hops	46.9 (40.9) 47.5 (44.3)
31	*Eggs	48.0 (36.2)
56	Wool: fine clothing	48.1 (37.7)
34	*Flaxseed	49.4 (39.3)
6	•Wheat	56.8 (49.7)
	Foods	00.0 (25.7)
109	Coffee	37.6
74	Pork: cured, salt mess	38.1
158	Cottonseed oil	38.5
152	*Tea	38.8
64	Beef: fresh	38.9
130	Prunes ·	39.1
161	*Vinegar	39.2
99	*Cheese	39.3
71	Mutton	39.5
69	Hams	39.7
89	*Butter: creamery extra, N. Y.	39.8
95	*Butter: creamery extra, St. Louis	39.8

¹The main entries in this table are averages based upon all the cycles in individual commodity prices In computing the averages given in parentheses exceptionally long cycles in the prices of individual commodities (i. e. those which extended over two or more cycles in general business) have been excluded. For a more detailed explanation see text, pp. 89-90.

^{*}The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation see text, pp. 81, 102.

TABLE XIII (Cont.)

119	
Ref. Commodity Ave duratic cy (in most cy)	n
Poods (cont.) Poods (cont.) Poods (cont.)	
Part Part	
Foods (cont.) *Butter: creamery firsts, N. Y. 39.9 *Currants 39.9 Meal: corn, fine white 40.3 Meal: corn, yellow table 40.3 Meal: corn, yellow table 41.9 Mackerel 41.9 *Apples 41.9 *Flour: wheat, winter straights 43.1 *Cod 43.5 *Flour: wheat, standard patents 43.1 Cod 43.5 *Sugar: raw 44.3 *Sugar: raw 44.3 *Sugar: granulated *Sugar: granulated *Sugar: granulated *Popper 47.7 *Flour: rye 50.0 *Salt Herring 53.6 *Aginan 53.6 *Aginan 53.6 *Bread: N. Y. 58.7 *Crackers: soda 56.2 *Bread: Cincinnati Cloths and clothing *Muslin: Rough Rider 38.1 *Muslin: Rough Rider 38.1 *Muslin: Fruit of the Loom 38.2 *Brannel: unbleached 38.5 *Brannel: unbleached 38.5 *Brannel: unbleached 38.5 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: unbleached 38.9 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese extra-extra 39.0 *Brannel: raw, Japanese	
#Butter: creamery firsts, N. Y. *Currants 39, 9 Meal: corn, fine white 40, 3 Meal: corn, yellow table 40, 3 Beef: salt 41, 4 Mackerel 41, 9 *Plour: wheat, winter straights 43, 1 *Flour: wheat, standard patents 43, 1 Cod 43, 5 76 Pork: cured, short clear sides 43, 9 Pork: cured, rough sides 44, 9 *Sugar: raw 44, 3 Sugar: granulated 44, 9 *Salt 49 *Sugar: granulated 44, 9 *Salt 49 *Flour: rye 50, 0 Salmon 51, 3 Herring 53, 6 Molasses 54, 3 Raisins 55, 0 Crackers: soda 56, 2 Bread: N. Y. 58, 7 Crackers: oyster 58, 7 Muslin: Rough Rider 94, 5 Muslin: Rough Rider 36, 8 Muslin: Lonsdale Flannel: colored 38, 1 Muslin: Fruit of the Loom 38, 2 Worsted yarns: 2-32's 38, 1 Muslin: Fruit of the Loom 38, 2 Briannel: unbleached 38, 5 Briannel: unbleached 38, 5 Briannel: unbleached 38, 5 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0 Silk: raw, Japanese extra-extra 39, 0	
*Butter: creamery firsts, N. Y. 39 9 *Currants 39 9 *Currants 40 3 Meal: corn, fine white 40 3 Beef: salt 41 9 Mackerel 41 9 *Apples 41 9 *Flour: wheat, winter straights 43 1 *Flour: wheat, standard patents 43 1 *Cod 43 5 *Pork: cured, short clear sides 43 9 *Pork: cured, rough sides 44 9 *Sugar: gramulated 44 9 *Sugar: gramulated 44 9 *Salt 45 9 *Flour: rye 50 0 *Balmon 51 3 *Herring 53 6 *Alt Molasses 54 3 3 *Bread: N. Y. 58 7 *Crackers: soda 55 2 *Bread: N. Y. 58 7 *Bread: Cincinnati 65 8 *Bread: Cincinnati 70 8 8 1	,1201117
129	
129	
Meal: corn, yellow table 40.3	
68 Beef: salt 41.4 1128 Mackerel 41.9 129 *Flour: wheat, winter straights 43.1 120 *Flour: wheat, standard patents 43.1 100 *Pork: cured, short clear sides 43.5 76 Pork: cured, rough sides 44.2 149 *Sugar: raw 44.3 150 *Sugar: granulated 44.9 *Sugar: granulated 44.9 *Salt 45.9 Pepper 47.7 138 Lard 49.9 147 Flour: rye 50.0 150 *Salmon 51.3 161 Salmon 51.3 162 Molasses 53.6 163 Herring 53.6 164 Molasses 55.0 152 Crackers: soda 56.2 165 Bread: N. Y. 58.7 17 Bread: Cincinnati 94.5 194 Bread: Cincinnati 94.5 195 Musl	
## Apples	
## Apples	(36.1)
#Flour: wheat, winter straights Flour: wheat, standard patents Cod Fork: cured, short clear sides Pork: cured, rough sides *Sugar: raw *Sugar: raw *Sugar: granulated *Salt Pepper Lard Flour: rye Salmon Herring Herring Hasisns Crackers: soda Bread: N. Y. Crackers: oyster Bread: Cincinnati Cloths and clothing Muslin: Rough Rider Muslin: Rough Rider Muslin: Rough Rider Muslin: Rough Rider Muslin: Fruit of the Loom Right Muslin: Fruit of the Loom Muslin: Fruit of the Loom Right Muslin: Lancaster Musling: Mass. D Silk: raw, Japanese extra extra	
120	(39.7)
120	(41.6)
113 Cod 43.5 76 Pork: cured, short clear sides 33.9 75 Pork: cured, rough sides 44.2 149 *Sugar: raw 44.3 150 *Sugar: granulated 44.9 145 Pepper 47.7 145 Pepper 47.7 138 Lard 49.9 117 *Flour: rye 50.0 116 Salmon 51.3 141 Herring 53.6 141 Molasses 54.3 131 Raisins 55.0 112 Crackers: soda 56.2 104 Bread: N. Y. 58.7 112 Crackers: oyster 65.8 134 Starch: corn 86.2 104 Bread: Cincinnati 94.5 120 Muslin: Rough Rider 36.8 121 Muslin: Rough Rider 38.0 122 Worsted yarns: 2-32's 38.1 120 Muslin: Fruit of the Loom 38.2 121 Drillings: Pepperell 38.3 <td< td=""><td>(40.4)</td></td<>	(40.4)
Pork: cured, rough sides	
Sugar: raw Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Sugar: granulate	(41.1)
Sugar: raw Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Salt Sugar: granulated Sugar: granulate	(41.4)
Sugar: granulated	(42.1)
45 45 9 145 9 147 7 138 Lard 49 9 117 4 49 9 117 4 49 9 116 Salmon 51 3 114 Herring 53 6 141 Molasses 54 3 131 Raisins 55 0 112 Crackers: soda 56 2 106 Bread: N. Y. 58 7 111 Crackers: oyster 65 8 8 148 Starch: corn 86 2 104 Bread: Cincinnati	(42.7)
138 Lard 49.9 117 *Flour: rye 50.0 116 Salmon 51.3 114 Herring 53.6 141 Molasses 54.3 131 Raisins 55.0 112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 200 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese extr	(38.4)
117 *Flour: rye 50.0 116 Salmon 51.3 114 Herring 53.6 141 Molasses 54.3 131 Raisins 55.0 112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 102 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 200 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.3 186 Ginghams: Lancaster 38.8 186 Ginghams: Lancaster 38.8 187 Drillings: Mass. D 38.9 186 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese extra-extra 39.0 226	(42.0)
116 Salmon 51.3 114 Herring 53.6 141 Molasses 54.3 131 Raisins 55.0 112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.3 185 Ginghams: Lancaster 38.8 186 Ginghams: Lancaster 38.8 187 Drillings: Mass. D 38.9 186 Sheetings: 4-4 Indian Head 39.0 288 Silk: raw, Japanese extra-extra 39.0 280 Silk: raw, Japanese extra-ex	(40.0)
114 Herring 53.6 141 Molasses 54.3 131 Raisins 55.0 112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 200 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.3 185 Ginghams: Lancaster 38.8 186 Ginghams: Lancaster 38.8 187 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese extra-extra 39.0	
141 Molasses 54.3 131 Raisins 55.0 112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.3 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.8 182 Drillings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	(42.5)
131 Raisins 55.0 112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 200 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.8 182 Drillings: 4-4 Indian Head 39.0 28 Silk: raw, Japanese extra-extra 39.0 26 Silk: raw, Japanese extra-extra 39.0	(48.2)
112 Crackers: soda 56.2 106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.3 185 Ginghams: Lancaster 38.8 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 236 Silk: raw, Japanese Kansai No. 1 39.1	(45.8)
106 Bread: N. Y. 58.7 111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	(42.8)
111 Crackers: oyster 65.8 148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 Cloths and clothing 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	(34.0)
148 Starch: corn 86.2 104 Bread: Cincinnati 94.5 192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	(30.0)
Bread: Cincinnati 94.5	(45.3)
Cloths and clothing 36.8	(51.0)
192 Muslin: Rough Rider 36.8 191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	()
191 Muslin: Lonsdale 38.0 183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
183 Flannel: colored 38.1 220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
220 Worsted yarns: 2-32's 38.1 190 Muslin: Fruit of the Loom 38.2 181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
181 Drillings: Pepperell 38.3 184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
184 Flannel: unbleached 38.5 186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
186 Ginghams: Lancaster 38.8 182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
182 Drillings: Mass. D 38.9 196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
196 Sheetings: 4-4 Indian Head 39.0 228 Silk: raw, Japanese extra-extra 39.0 226 Silk: raw, Japanese Kansai No. 1 39.1	
228 Silk: raw, Japanese extra-extra 226 Silk: raw, Japanese Kansai No. 1 39.0 39.1	
226 Silk: raw, Japanese Kansai No. 1 39.1	
100 (Denims 1.39.2	
193 Muslin: Wamsutta 39.6	
195 Print cloths 39.9	
202 Cotton yarns: carded, cones 10/1 39.9 197 Sheetings: 4-4 Pepperell R 40.0	
203 Cotton yarns: carded, cones 22/1 40.8 185 Ginghams; Amoskeag 41.0	
	(A1 E
	(41.5)
1/7 Canco 45.4	(39.6)

^{*}See footnote on page 543.

TABLE XIII (Cont.)

(1) Ref. No.	(2) Commodity	(3) Average duration of cycle (in months)
		
	Cloths and clothing (cont.)	
198	Sheetings: 4-4, Ware Shoals	44.1 (40.1)
206	Flannels: white	44.5 (37.7)
217	Storm serge	47.7 (43.1)
173	Men's shoes: chocolate elk	51.0 (36.7)
210 216	Suiting: Middlesex	53.5 (35.4) 54.0 (46.2)
219	French serge Sicilian cloth	55.6 (41.7)
218	Poplar cloth	55.8 (53.3)
215	Broadcloth	60.0 (40.3)
177	Women's shoes	67.4 (39.3)
166	Men's shoes; black calf	72.0 (32.0)
199	Cotton thread	96.0 (45.0)
174	Men's shoes: vici kid	108.5 ()
213 223	Underwear: shirts and drawers Linen shoe thread	124.7 (26.0) 124.7 (——)
214	Underwear: union suits	189.0
222	One with the state of the state	-05.0
	Fuel and lighting	
239	Coke	37.9
236	Bituminous coal: Kanawha	39.9
233	Anthracite coal: chestnut	40.7
235	Anthracite coal: stove	42.5
234	Anthracite coal: egg Petroleum: crude	44.0
247 238	Bituminous coal: Pocahontas	46.6 (37.7) 48.0 (39.1)
248	Petroleum: refined, for export	49.3 (38.2)
249	Petroleum: refined, 150° fire test	49.3 (42.6)
237	Bituminous coal: New River	51.6 (37.7)
232	Anthracite coal: broken	84.2 (34.6)
2 44	Matches	240.0 ()
	Metals and metal products	
259	Pig iron: basic	37.8
261 296	Pig iron: foundry No. 2, Northern	37.8 37.9
260	Lead: pig Pig iron: Bessemer	38.0
276	Steel billets	38.1
263	Pig iron: foundry No. 2, Southern	38 5
294	Copper: sheet	38.7
293	Copper: ingot	38.8
300	Tin: pig	38.9
295 267	Copper: wire	39.0 39.1
266	Bar iron: from mill, Pittsburgh Bar iron: from store, Phila.	39.1
302	Zinc: alab	39.2
289	Wire: fence	39.4
297	Lead: pipe	39.7
291	Wood screws	40.2
298	Quicksilver	41.4 (33.6)
269	Nails: wire	42.3 (38.7)
301	Zinc: sheet	43.7 (36.1)
===		<u> </u>

TABLE XIII (Cont.)

_		
(1)	(2)	(3)
Ref.	Commodity	Average
No.	oommout,	duration of
110.		cycle
		(in months)
	Metals and metal products (cont.)	
299	Silver	44.1 (40.9)
253	Door knobs	46.7 (39.0)
258	Locks	47.0 (39.3)
288	Vises	49.9 (39.5)
274	Shovels	53.2 (38.0)
251	Butts	55.1 (37.5)
250	Augers	62.7 (44.5)
252	Chisels	64.8 (36.0)
287	Trowels	68.0 ()
280	Steel rails	76.2 (39.2)
272	Saws: crosscut	81.0 ()
255	Hammers	87.5 (30.0)
233 271	Planes	96.0 ()
254	Files	100.7 (42.5)
234 273	Saws: hand	201.0 ()
213		201.0 ()
	Building materials	
348	Linseed oil	38.5
354	Lead: carbonate of	39.0
345	Glass: window, B	39.9
350	Rosin	42.2 (37.0)
352	<u>Tar</u>	42.4
319	Poplar: N. Y.	42.9 (39.0)
353	Turpentine: spirits of	43.0 (40.1)
327	Brick	43.6 (38.5)
321	Spruce	43.7 (39.9)
344	Glass: window, A	44.3 (39.2)
312	Oak: white, quartered, N. Y.	44.5 (38.9)
324	Shingles: red cedar	47.4 (37.0)
308	Maple: N, Y.	49.0 (36.6)
355	Zinc: oxide of	50.4 (35.2)
313	Pine: white boards	51.3 (42.4)
306	Hemlock: N. Y.	55.8 (41.7)
335	Doors	57.8 (49.3)
323	Shingles: cypress	59.4 (50.0)
317	Pine: yellow siding	64.4 (42.3)
449	Putty	65.6 (39.0)
310	Oak: white, plain, N. Y.	66.0 (35.5)
338	Lime	79,2 (32.3)
	Chemicals and drugs	
382	Tallow	38.3
397	Opium	39.2
396	Glycerine	43.4 (34.9)
362	Alcohol: wood	44.2 (38.6)
393	Alcohol: grain	44.5 (39.1)
400	Quinine	45.7 (42.5)
377	Soda: bicarbonate of	72.4 (40.7)
363	Alum	73.2 (31.7)
360	Acid: sulphuric	77.0 (47.0)
357	Acid: muriatio	82,2 (35.7)
381	Sulphur	87.5 (47.3)
~	•	, ,

TABLE XIII (Conc.)

(1) Ref. No.	(2) Commodity	(3) Average duration of cycle (in months)
430 423 424 417 426 412 419 418 406 427	House-furnishings Tickings: Amoskeag Sheeting: 10-4 Pepperell Sheeting: 10-4 Wamsutta Carpets: Axminster Pitchers Kitchen chairs Carpets: Wilton Carpets: Brussels Bedroom sets Tumblers	38.1 38.8 45.1 (38.6) 54.6 (42.8) 60.4 (40.7) 62.0 (47.5) 67.3 (39.3) 67.7 (38.0) 74.2 (40.5) 81.2 (30.5)
429 425 414	Nappies Kitchen tables Miscellaneous	84.0 (24.5) 96.3 (43.0) 102.7 (39.0) 150.0 (—) 156.0 (—) 279.0 (—)
443 448 450 440 436 441 433 438 451 444 455 456 457	Paper: newsprint Jute Rope Leather: sole oak Leather: calf Leather: sole oak, scoured backs Cottonseed meal Leather: harness oak Rubber Paper: wrapping, Manila Starch: laundry Tobacco: plug Tobacco: smoking	38.6 38.8 38.9 39.7 41.9 (35.5) 42.3 (38.0) 42.7 (36.2) 43.7 (40.7) 50.0 (38.6) 53.1 (32.2) 87.7 (64.0) 150.0 ()

TABLE XIV

MEASURES DESCRIBING THE BEHAVIOR OF WHOLESALE COMMODITY PRICES DURING PERIODS OF REVIVAL AND RECESSION IN AMERICAN BUSINESS, 1890-1925

Ranking of Commodities, by Groups, according to the Amplitude of Cyclical Price Movements¹

(1) Ref. No. Commodity Commodity Index of cyclical variability Cattle: good to choice 27.2 29.3 35.3 Rice 29.3 32.0 (32.6) 37.7 38.2 (37.7) 39.0 39			
Cattle: good to choice	Ref.		Index of cyclical
Cattle: good to choice		7	
Cattle: choice to prime Rice Ri	4.4		07.0
Rice			
Wool: medium			
Wool: fine clothing 32.0 (32.6)			
Teal Post			
Hogs: heavy Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: light Hogs: Hogs: light Hogs: Hogs		I woot: une cooming	
Hogs: light		Tom: hears	
*Rye *Beans			
#Beans			
*Barley *Corn			
Corn			
47 Milk 41.7 42 Hides 42.0 6 *Wheat 44.0 (41.5) 4 *Oats 44.4 25 Cotton 44.7 34 *Flaxseed 45.6 (42.1) 19 Sheep: wethers 48.1 17 Sheep: ewes 50.7 31 *Eggs 60.6 (58.9) 44 *Hops 65.3 (63.1) 51 *Potatoes 71.4 *Onions 77.4 *Tea 18.2 *Tea 20.2 (18.4) 10 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 106 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 141 Molasses 31.3 (28.3) 141 Molasses 31.3 (28.3) 182 33.6 (32.6)			
## Hides			
6 *Wheat *Oats 44.0 (41.5) 4 *Oats 44.4 25 Cotton 44.7 34 *Flaxseed 45.6 (42.1) 19 Sheep: wethers 48.1 17 Sheep: ewes 50.7 31 *Eggs 60.6 (58.9) 44 *Hops 65.3 (63.1) 51 *Potatoes 71.4 49 *Onions Foods *Tea 18.2 116 Salmon 20.2 (18.4) 112 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 113 Cod 23.5 (22.3) 114 Cod 23.5 (22.3) 115 Cod 23.5 (22.3) 116 *Salt 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 161 Molasses 31.3 (28.3) 162 Hams 32.2 168 Beef: salt 33.6 (32.6)		Hides	
# *Oats		*Wheat	
Cotton 34 Flaxseed 34 7			
34 *Flaxseed 45.6 (42.1) 19 Sheep: wethers 48.1 17 Sheep: ewes 50.7 **Eggs 60.6 (58.9) *Hops 65.3 (63.1) *Potatoes 71.4 *Onions 77.4 *Tea 18.2 *Salmon 20.2 (18.4) 10c Crackers: soda 20.6 (20.5) 10f Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 10d Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 141 Herring 30.2 (30.4) 141 Molasses 31.3 (28.3) 141 Molasses 31.3 (28.3) 68 Beef: salt 33.6 (32.6)			
Sheep: wethers Sheep: ewes			
Sheep: ewes So. 7 Co. 60.6			
31 *Eggs 60.6 (58.9) 44 *Hops 65.3 (63.1) *Potatoes 71.4 *Onions 77.4 Foods *Tea 18.2 16 Salmon 20.2 (18.4) 12 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 141 Molasses 31.3 (28.3) 141 Molasses 31.3 (28.3) 68 Beef: salt 33.6 (32.6)			
#Hops	31	*Eggs	
51 *Potatoes 71.4 49 *Onions 77.4 152 *Tea 18.2 116 Salmon 20.2 (18.4) 112 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 113 Cod 23.5 (21.9) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 68 Beef: salt 33.6 (32.6)		*Hops	
Tea Salmon 20.2 (18.4)	51	*Potatoes	
Tea Salmon 20.2 (18.4)	49	*Onions	77.4
116 Salmon 20.2 (18.4) 112 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 106 23.5 (21.9) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 141 Molasses 31.3 (28.3) 68 Beef: salt 33.6 (32.6)			
112 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 113 Cod 23.5 (21.9) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 141 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)		*Tea	18.2
112 Crackers: soda 20.6 (20.5) 106 Bread: N. Y. 21.1 (18.6) 148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 13 Cod 23.5 (21.9) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			20.2 (18.4)
148 Starch; corn 22.9 (19.2) 111 Crackers: oyster 23.5 (22.3) 102 Cod 23.5 (21.9) Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 141 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			20.6 (20.5)
111 Crackers: oyster 23.5 (22.3) 113 Cod 23.5 (21.9) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			
111 Crackers: oyster 23.5 (22.3) 113 Cod 23.5 (21.9) 64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 141 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			22.9 (19.2)
64 Beef: fresh 27.7 146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			23.5 (22.3)
146 *Salt 28.7 (26.3) 161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			
161 *Vinegar 30.2 (30.4) 114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)		Beef: fresh	
114 Herring 30.3 (26.5) 141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)			
141 Molasses 31.3 (28.3) 69 Hams 32.2 68 Beef: salt 33.6 (32.6)		Vinegar	30.2 (30.4)
69 Hams 32.2 68 Beef: salt 33.6 (32.6)			30.3 (26.5)
68 Beef: salt 33.6 (32.6)			
1 2010 (0704)			
145 Pepper 33.6 (31.1)		<u> </u>	
	145	Pepper	33.6 (31.1)

¹The main entries in this table are averages based upon all the cycles in individual commodity prices. In computing the averages given in parentheses account has been taken only of percentages of rise and fall relating to successive phases of specific cycles. For more detailed explanation see text, pp. 89-90.

^{*}The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation see text, pp. 81, 102,

TABLE XIV (Cont.)

(1) Ref. No. Commodity Index of cyclical variability Flour: wheat, standard patents 34.2 (32.3)			
120 *Flour: wheat, standard patents 34. 2 (32.3) 35.3 (34.7) 36.3 7 7 7 7 7 7 7 7 7	Ref.		Index of cyclical
120 *Flour: wheat, standard patents 34. 2 (32.3) 35.3 (34.7) 36.3 7 7 7 7 7 7 7 7 7		Foods (cont.)	
Sugar: granulated 35.3 (34.7)	120		34 2 (32 3)
Section Sect			35.3 (34.7)
Pork Cured, salt mess 36.5			
104 Bread: Cincinnati 37.4 (26.4) 140 Meal: corn, yellow table 37.6 130 Coffee 37.7 131 Meal: corn, fine white 37.7 37.8 119 *Flour: wheat, winter straights 38.7 (36.8) 89 *Butter: creamery extra, N. Y. 39.8 129 *Currants 39.8 95 *Butter: creamery extra, St. Louis 40.4 177 *Flour: rye 40.5 (37.9) 76 Pork: cured, short clear sides 41.4 (39.8) 115 Mackerel 41.7 149 *Sugar: raw 42.0 (41.5) 158 Cottonseed oil 42.0 (41.5) 158 Cottonseed oil 42.1 171 Pork: cured, rough sides 42.2 (40.6) 131 Raisins 42.2 (40.6) 131 Raisins 42.2 (40.6) 131 Raisins 42.2 (40.6) 132 *Apples 42.8 138 Lard 42.9 (39.1) 147 71 71 71 128 *Apples 71 71 128 *Apples 71 71 129 *Sicilian cloth 71 71 120 *Apples 71 71 121 71 71 71 71 122 71 71 71 71 123 71 71 71 71 124 71 71 71 71 125 71 71 71 71 126 71 71 71 71 127 71 71 71 71 128 71 71 71 71 129 71 71 71 71 120 71 71 71 71 121 72 73 74 74 122 74 74 74 123 74 74 74 124 74 74 125 74 74 74 126 74 74 74 127 75 75 75 128 75 75 75 129 75 75 75 120 75 75 75 120 75 75 75 121 75 75 75 75 121 75 75 75 75 122 75 75 75 75 123 75 75 75 124 75 75 75 125 75 75 75 126 75 75 75 127 75 75 75 75 128 75 75 75 129 75 75 75 120 75 75 75 121 75 75 75 75 122 75 75 75 123 75 75 75 124 75 75 75 125 75 75 75 126 75 75 75 127 75 75 75 128 75 75 75 129 75 75 75 120 75 75 75 120 75 75 75 120 75 75 75 120 75 75 75 120 75 75 75 120 75			
Meal: corn, yellow table 37.6			
Coffee Meal: corn, fine white 37.7 37.7 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.7 37.8 37.9 37.8 37.7 37.8 37.8 37.7 37.8 37.7 37.8 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 37.8 37.7 3			
139			37.7
#Butter: creamery firsts, N. Y. #Flour: wheat, winter straights #Plour: wheat, winter straights #Plour: wheat, winter straights #Plour: reamery extra, N. Y. #Plour: rye #Pork: cured, short clear sides #Information of the control of			
*Flour: wheat, winter straights *Butter: creamery extra, N. Y. *Currants *Butter: creamery extra, St. Louis *Flour: rye Pork: cured, short clear sides Mackerel *Sugar: raw Cottonseed oil Pork: cured, rough sides Raisins Prunes Lard *Apples *Cloths and clothing Flannels: white Men's shoes: chocolate elk Men's shoes: chocolate elk Men's shoes: chocolate elk Men's shoes: black calf Underwear: shirts and drawers Muslin: Wamsutta Women's shoes Suiting: Middlesex Suiting: Middlesex Sicilian cloth Linen shoe thread Broadcloth Poplar cloth Storm serge Ginghams: Lancaster Ginghams: Lancaster Ginghams: Amoskeag Muslin: Rough Rider Worsted yarns: 2-32's Denims Calico Drillings: Pepperell Sheetings: 44 Indian Head Muslin: Fruit of the Loom 38.7 38.7 38.7 38.7 39.7 39.7 39.7 40.5 39.7 40.5 40.4 40.5 41.4 42.9 (41.5) 42.0 (41.5) 42.1 42.1 42.1 42.1 42.1 42.1 42.1			37.8
*Butter: creamery extra, N. Y. *Currants *Butter: creamery extra, St. Louis *Butter: creamery extra, St. Louis *Flour: rye Pork: cured, short clear sides Mackerel *Sugar: raw Cottonseed oil Pork: cured, rough sides Raisins Raisins Lard Apples *Cloths and clothing Flannels: white Men's shoes: chocolate elk Men's shoes: black calf Underwear: shirts and drawers Muslin: Wamsutta Women's shoes Suiting: Middlesex Suiting: Middlesex Sicilian cloth Sicilian cloth Sicilian cloth Poplar cloth Storm serge Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Lancaster Ginghams: Amoskeag Muslin: Rough Rider Worsted yarns: 2-30's Worsted yarns: 2-20's Worsted yarns: 2-22's Denims Calico Drillings: Pepperell Sheetings; 4-4 Indian Head Muslin: Lonsdale Muslin: Fruit of the Loom 39. 7 40.4 40.4 40.4 41.4 42.9 40.6 41.7 42.0 (41.5) 42.0 (41.0 6 42.0 (41.5) 42.0 (41.5) 42.0 (41.0 6 42.0 (41.5) 42.0 (41.0 6 42.0 (41.0 6 42.0	119	*Flour: wheat, winter straights	38.7 (36.8)
*Currants		*Butter: creamery extra, N. Y.	39.7
## Flour: rye	129	*Currants	39.8
Pork: cured, short clear sides Mackerel Mackerel		*Butter: creamery extra, St. Louis	
Mackerel			
149		Pork: cured, short clear sides	
158			
75 Pork: cured, rough sides 42.2 (40.6) 131 Raisins 42.7 (38.0) 130 Prunes 42.8 138 Lard 42.9 (39.1) 71 Mutton 47.7 128 *Apples 51.7 (50.1) Cloths and clothing Flannels: white 15.3 173 Men's shoes: chocolate elk 15.7 (13.1) 166 Men's shoes: black calf 17.6 (8.3) 213 Underwear: shirts and drawers 18.1 (12.1) 193 Muslin: Wamsutts 19.6 177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 219 Sicilian cloth 21.0 215 Broadeloth 21.3 (6.1) 215 Broadeloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.4 23.4 <td></td> <td></td> <td></td>			
Raisins Frunes			
130			42.2 (40.6)
Tard Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mutton Mus			42.7 (38.0)
Mutton			
*Apples *Cloths and clothing 15.3 15.7 (13.1) 166 Men's shoes: chocolate elk 15.7 (13.1) 17.6 (8.3) 17.6 (8.3) 17.6 (8.3) 17.7 (12.1) 17.6 (8.3) 18.1 (12.1) 19.3 18.1 (12.1) 19.5 19.9 (13.5)			
Cloths and clothing			
206 Flannels: white 15.3 173 Men's shoes: chocolate elk 15.7 (13.1) 166 Men's shoes: black calf 17.6 (8.3) 213 Underwear: shirts and drawers 18.1 (12.1) 193 Muslin: Wamsutta 19.6 177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Broadcloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.0 (20.8) 216 French serge 23.0 (20.8) 3186 Ginghams: Lancaster 23.4 4185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell	120	Clothe and clothing	31.7 (30.1)
173 Men's shoes: chocolate elk 15.7 (13.1) 166 Men's shoes: black calf 17.6 (8.3) 213 Underwear: shirts and drawers 18.1 (12.1) 193 Muslin: Wamsutta 19.6 177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Broadcloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 22.7 (22.3) 216 French serge 23.4 185 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 190 Muslin: Lonsdale <td< td=""><td>206</td><td></td><td>15.3</td></td<>	206		15.3
166 Men's shoes: black calf 17.6 (8.3) 213 Underwear: shirts and drawers 18.1 (12.1) 193 Muslin: Wamsutta 19.6 177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Broadcloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.0 (20.8) 218 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 190 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
213 Underwear: shirts and drawers 18.1 (12.1) 193 Muslin: Wamsutta 19.6 177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 210 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Broadcloth 21.5 (14.1) 216 Poplar cloth 22.7 (22.3) 217 Storm serge 22.7 (22.3) 218 Ginghams: Lancaster 23.4 218 Ginghams: Lancaster 23.4 221 Worsted yarns: 2-40's 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 230 Denims 26.0 241 251 Calico 26.2 251 Drillings: Pepperell 26.4 252 Muslin: Lonsdale 27.6 253 Muslin: Fruit of the Loom 27.7 275 275 275 281 Muslin: Fruit of the Loom 27.7 276 Muslin: Fruit of the Loom 27.7 277 278 278 278 281 282 283 282 283 283 283 294 295 295 295 295 296 296 296 297 297 297 297 298 297 2			
193 Muslin: Wamsutta 19.6 177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Broadcloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 186 French serge 23.4 185 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Worsted yarns: 2-40's 24.1 221 Worsted yarns: 2-40's 24.8 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
177 Women's shoes 19.9 (13.5) 210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Gil, 1 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.4 (20.8) 186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 190 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
210 Suiting: Middlesex 20.7 (18.0) 219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) Broadcloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.4 (20.8) 186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 190 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7	177		
219 Sicilian cloth 21.0 223 Linen shoe thread 21.3 (6.1) 215 Broadcloth 21.5 (14.1) 218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.0 (20.8) 186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
Broadcloth 21.5 (14.1)			
218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.0 (20.8) 186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7	223	Linen shoe thread	21.3 (6.1)
218 Poplar cloth 21.6 217 Storm serge 22.7 (22.3) 216 French serge 23.0 (20.8) 186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7	215	Broadcloth	21.5 (14.1)
216 French serge 23.0 (20.8) 186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7		Poplar cloth	21.6
186 Ginghams: Lancaster 23.4 185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7		Storm serge	
185 Ginghams: Amoskeag 23.8 192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7		French serge	
192 Muslin: Rough Rider 24.1 221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7		Ginghams: Lancaster	
221 Worsted yarns: 2-40's 24.8 (23.7) 220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
220 Worsted yarns: 2-32's 25.6 180 Denims 26.0 179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
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179 Calico 26.2 181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
181 Drillings: Pepperell 26.4 196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
196 Sheetings: 4-4 Indian Head 26.4 191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
191 Muslin: Lonsdale 27.6 190 Muslin: Fruit of the Loom 27.7			
190 Muslin: Fruit of the Loom 27.7			
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^{*}See footnote on page 548.

TABLE XIV (Cont.)

	TABLE ATT (COIC.)	
(1) Ref. No.	(2) Commodity	(3) Index of cyclical variability
	Cloths and clothing (cont.)	
199	Cotton thread	28.4 (28.7)
197	Sheetings: 4-4 Pepperell R	29.0
182	Drillings: Mass. D	29.5
184 203	Flannel: unbleached	29.6
183	Cotton yarns: carded, cones 22/1 Flannel: colored	33.6 34.6
198	Sheetings: 4-4 Ware Shoals	34.9 (34.7)
228	Silk: raw, Japanese, extra-extra	35.3
202	Cotton varns: carded, cones 10/1	35.8
226	Silk: raw, Japanese, Kansai No. 1	36.2
214	Underwear: union suits	40.1 (26.6)
195	Print cloths	42.7
232	Fuel and lighting Anthracite coal: broken	12.9 (11.0)
244	Matches	21.4
249	Petroleum: refined, 150° fire test	22.8 (19.1)
233	Anthracite coal: chestnut	25.4
234	Anthracite coal: egg	26.4
236	Bituminous coal: Kanawha	29.3
248 235	Petroleum: refined, for export	29.6 (27.3)
238	Anthracite coal: stove Bituminous coal: Pocahontas	32.2 32.8 (33.8)
237	Bituminous coal: New River	36.5 (30.5)
247	Petroleum: crude	45.0 (44.0)
239	Coke	58.2
074	Metals and metal products	100 (10.3)
274 287	Shovels Trowels	12.9 (12.3) 16.3 (3.7)
255	Hammers	16.3 (3.7) 18.7 (10.2)
288	Vises	20.3 (18.5)
272	Saws: crosscut	21.3 (10.0)
254	Files	23.3
299	Silver	23.5 (20.6)
289	Wire: fence	24.2
273 258	Saws: hand Locks	24.7 (13.3) 25.4 (22.4)
298	Quicksilver	25.6 (25.7)
280	Steel rails	26.0 (23.2)
252	Chisels	26.4 (20.3)
253	Door knobs	26.4 (25.0)
251	Butts	26.8 (24.1)
271 301	Planes	27.4 (15.4)
294	Zinc: sheet Copper: sheet	28.9 (27.4) 29.3
269	Nails: wire	30.0 (28.8)
295	Copper: wire	30.7
250	Augers	31.0 (20.6)
296	Lead: pig	31.4
266	Bar iron: from store, Phila.	31.9
297 300	Lead: pipe	31.9 33.2
293	Tin: pig Copper: ingot	33.4

TABLE XIV (Cont.)

(1) Ref. No.	(2) Commodity	(3) Index of cyclical variability
	Metals and metal products (cont.)	<u> </u>
267	l _	35.6
259	Bar iron: from mill, Pittsburgh Pig iron: basic	35.9
302	Zine: slab	37.5
291	Wood screws	38.5
263	Pig iron: foundry No. 2, Southern	38.8
260	Pig iron: Bessemer	39.3
261	Pig iron: foundry No. 2, Northern	39.4
276	Steel billets	40.1
	Building materials	
354	Lead: carbonate of	14.9
355	Zinc: oxide of	15.1 (12.1)
313	Pine: white boards	15.4 (13.1)
319	Poplar: N. Y.	17.5
312 306	Oak: white quartered, N. Y. Hemlock: N. Y.	18.8 (19.5) 20.0 (15.3)
321	Spruce	21.1 (19.6)
308	Maple: N. Y.	21.5 (19.3)
310	Oak: white, plain, N. Y.	25.4 (17.6)
323	Shingles: cypress	26.0 (22.4)
349	Putty	27.6 (28.5)
335	Doors	28.4 (20.1)
345	Glass: window, B	31.5
324	Shingles: red cedar	32.3 (34.4)
338 317	Lime Pines valley siding	33.0 (26.7)
344	Pine: yellow siding Glass: window, A	34.4 (26.3) 35.1 (32.8)
327	Brick	37.3 (34.8)
348	Linseed oil	39.3
350	Rosin	40.2 (38.5)
352	Tar	41.0
353	Turpentine: spirits of	44.3 (41.9)
	Chemicals and drugs	
393	Alcohol: grain	12.8 (13.2)
363	Alum	20.9 (14.7)
360	Acid: sulphuric	30.4 (28.5)
377	Soda: bicarbonate of	30.7 (28.1)
400	Quinine	34.8
381	Sulphur	35.4 (26.3)
382 396	Tallow Glycerine	36.8
362	Alcohol: wood	37.3 (37.8)
397	Opium	39.3
357	Acid: muriatic	39.5 (38.6)
	House-furnishings	35.0 (00.0)
418	Carpets: Brussels	17.6 (19.3)
419	Carpets: Wilton	17.6 (18.8)
417	Carpets: Axminster	18.4 (18.2)
424	Sheeting: 10-4 Wamsutta	19.4 (19.9)
412	Kitchen chairs Transpa and courses	21.9 (18.6)
429 428	Teacups and saucers Plates	23.3 (13.9)
720	- 4000	23.7 (14.9)
		

TABLE XIV (Conc.)

(1) Ref. No.	(2) Commodity	(3) Index of cyclical variability
	House-furnishings (cont.)	
426	Pitchers	24.6 (18.8)
406	Bedroom sets	27.2 (26.7)
423	Sheeting: 10-4 Pepperell	27.7
430	Tickings: Amoskeag	28.9
405	Bedroom chairs	29.1 (21.9)
127	Tumblers	29.1 (22.4)
422	Pails	32.3 (24.0)
431	Tubs	32.6 (25.5)
425	Nappies	34.0 (23.8)
414	Kitchen tables	36.6 (27.0)
	Miscellaneous	
456	Tobacco: plug	16.1 (10.9)
457	Tobacco: smoking	17.8 ()
440	Leather: sole oak	18.1
444	Paper: wrapping Manila	20.4 (20.1)
441	Leather: sole oak, scoured backs	20.6 (18.5)
438	Leather: harness oak	21.3 (19.8)
436	Leather: calf	22.6
443	Paper: newsprint	23.3
455	Starch: laundry	27.7 (26.3)
433	Cottonseed meal	27.8 (25.6)
450	Rope	29.9
451	Rubber	36.2 (35.1)
448	Jute	40.8

TABLE XV

MEASURES DESCRIBING THE BEHAVIOR OF WHOLESALE COMMODITY PRICES DURING PERIODS OF REVIVAL AND RECESSION IN AMERICAN BUSINESS, 1890-1925.

Average Sequence of Revival, by Groups, with Measures of Inconsistency.

The figures in column (4) indicate the number of months by which the price turns of specific commodities precede (-) or lag behind (+) the major turns of the general price index.

The measures in column (5) indicate the degree of reliability of the averages in column (4). The smaller the measure in column (5), the more consistent is the commodity in question in respect to the timing of its cyclical price movements.

## Farm products *Wheat *Rye #Hides #Hides #Flaxseed #Flaxseed #Ponions ## Flaxseed ##	(1) Ref. No.	(2) Commodity	(3) Number of price revivals	(4) Average deviation from reference date	(5) Measure of incon- sistency
	52 42 19 49 49 17 13 53 4 15 56 22 14 16 2 31 47 25 37 140 139 120 76 79	*Wheat *Rye Hides Sheep: wethers *Flaxseed *Onions Sheep: ewes *Barley Cattle: choice to prime Rice *Oats Hogs: heavy Wool: fine clothing *Beans Cattle: good to choice Hogs: light *Corn *Eggs Wool: medium *Hops *Potatoes Milk Cotton *Hay Foods Meal: corn, yellow table Meal: corn, fine white *Flour: wheat, standard patents Pork: cured, short clear sides Pork: cured, rough sides *Cheese	9 11 11 11 11 11 10 10 11 11 11 10 9 9 11 11 10 9 9 11 11 10 9 11 11 10 9 11 11 11 11 11 11 11 11 11 11 11 11 1	9.66 9.70 1.00	5.8 6.1 12.0 11.5 9.2 9.3 17.4 10.0 11.5 9.2 9.3 11.1 12.0 13.3 13.3 13.3 13.3 13.3 13.3 13.3 13

^{*}The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation see text, pp. 81, 102.

TABLE XV (Cont.)

(1) Ref. No.	(2) Commodity	(3) Number of price revivals	(4) Average deviation from reference date	(5) Measure of incon- sistency
138 90 74 145 119 158 71 64 130 69 109 68 114 152 117 111 128 148 150	*Butter: creamery extra, N. Y. *Butter: creamery extra, St. Louis Lard *Butter: creamery firsts, N. Y. Pork: cured, salt mess Pepper *Flour: wheat, winter straights Cottonseed oil Mutton Beef: fresh Prunes Hams Coffee Beef: salt Herring *Tea *Flour: rye Crackers: oyster *Apples Starch: corn *Sugar: granulated *Sugar: raw *Salt Crackers: soda Raisins Cod Bread: Cincinnati Bread: N. Y. Mackerel Molasses *Vinegar Salmon Cloths and clothing Silk: raw, Japanese, Kansai No. 1 Silk: raw, Japanese, extra-extra Worsted yarns: 2-40's Broadcloth Storm serge French serge Muslin: Fruit of the Loom Drillings: Mass, D Worsted yarns: 2-32's Print cloths Men's shoes: vici kid Flannels: white Cotton yarns: carded, cones 10/1 Cotton yarns: carded, cones 22/1 Men's shoes: chocolate elk Ginghams: Lancaster	11 11 11 11 11 11 11 11 11 11 11 11 11	2.776557644.1.391.891.1.201.1.2.3.3.1.2.009 0.4.5.3.1.9.5.790.3.7891.1.4.4.4.4.9.9.77.7.78.0.9 0.4.5.3.1.9.5.7.9.0.3.7.8.9.1.3.4.4.3.3.3.3.4.4.4.4.9.9.7.7.3.3.2.0.9 0.4.5.3.1.9.5.7.9.0.3.7.8.9.1.3.4.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 6.03 9.2.7 10.66 10.7
			'	

^{*}See footnote on page 553.

TABLE XV (Cont.)

	TABLE AV (Colle.)				
(1) Ref. No.	(2) Commodity	(3) Number of price revivals	(4) Average deviation from reference date	(5) Measure of incon- sistency	
	Cloths and clothing (cont.)				
185	Ginghams: Amoskeag	11	+ 4.8	10.8	
191	Muslin: Lonsdale	11	+ 4.9	5.3	
180	Denims	10	+ 5.0	7.5	
198	Sheetings: 4-4 Ware Shoals	10	+ 5.3	6.4	
219	Sicilian cloth	6 5	+ 5.8 + 6.0	11.1 6.7	
166 179	Men's shoes: black calf	10	+ 6.0	7.8	
210	Calico Suiting: Middlesex	l š	+ 6.0 l	7.5	
192	Muslin: Rough Rider	11	+ 6.3	10.9	
197	Sheetings: 4-4 Pepperell R.	11	+ 6.3 + 6.8	7.4	
183	Flannel: colored	8	1 + 7.6	8.9	
213	Underwear: shirts and drawers	6	+ 7.7	12.5 11.4	
177	Women's shoes	6 9	+ 7.8 + 8.1	7 4	
184	Flannel: unbleached	10	$ \begin{array}{c} + 8.1 \\ + 8.3 \end{array} $	7.4 7.7	
181 196	Drillings: Pepperell Sheetings: 4-4 Indian Head	îŏ	l + 8.3	8.5	
218	Poplar cloth	6	+ 9.8	11.7	
193	Muslin: Wamsutta	10	+ 9.9	5.4	
214	Underwear: union suits	5 5	+10.4	16.0	
223	Linen shoe thread	5	+14.0	11.2	
199	Cotton thread	4	+20.5	7.9	
	Fuel and lighting		ا ا	4.0	
239	Coke Anthracite coal: egg	11 5 2 9 8	+ .8 + 1.1	4.8 14.0	
234	Matches) 3	+ 2.0	2.0	
244 247	Petroleum: crude	5	$+\tilde{2}.\tilde{4}$	7.3	
248	Petroleum: refined, for export	8	l + 4.0 l	7.2	
233	Anthracite coal: chestnut	16	+ 5.7 + 6.4#	5.2	
237	Bituminous coal: New River	10 8 7	+ 6.4 <i>#</i>	11.4	
249	Petroleum: refined, 150° fire test	8	+ 7.7 + 8.7	12.5 11.2	
232	Anthracite coal: broken Bituminous coal: Pocahontas	9	+ 9.2#	10.1	
238 235	Anthracite coal: stove	5	+10.0	8.4	
236	Bituminous coal: Kanawha	10	+13.1#	13.2	
	Metals and metal products				
302	Zinc: slab	10	2.4	4.6	
297	Lead: pipe	9	l — .8 l	6.2	
296	Lead: pig	11	i — .5	6.3 7.5	
293	Copper: ingot	11	2	7.5	
300	Tin: pig	11	+ .1 + 1.3	4.5 6.2	
295 299	Copper: wire Silver	11 9	‡ 1:3	0.2 10.1	
263	Pig iron: foundry No. 2, Southern	11	+ 1.4 + 1.5	3.4	
301	Zinc: sheet	iô	+ 1.7	8.8	
267	Bar iron: from mill, Pittsburgh	ii	 2.9	6.1	
298	Quicksilver	10	l + 3.0 l	8.8	
261	Pig iron: foundry No. 2, Northern	11	+ 3.1	4.6	
294	Copper: sheet	10	+ 3.1	7.9	
260 266	Pig iron: Bessemer Bar iron: from store, Phila.	11 11	+ 3.2 + 3.5	5.2 5.9	
200	1 Mar Both Hom cone, I min.		T 3.3	3.7	

TABLE XV (Cont.)

	ANDIA AV (CORE.)				
(1) Ref. No.	(2) Commodity	(3) Number of price revivals	(4) Average deviation from reference date	(5) Measure of incon- sistency	
	Metals and metal products (cont.)				
276	Steel billets	11	+ 3.6	6.4	
289	Wire: fence	10	3.6	5.6	
259	Pig iron: basic	11	+ 5.1	4.5	
280	Steel rails	7	+ 5.3	11.5	
291 269	Wood screws Nails: wire	9	+ 5.6 + 7.1	6.5 5.8	
254	Files	10	工分。	4.3	
250	Augers	5	+ 7.2 + 7.4	12.5	
251	Butts	ğ	l + 9.6 l	9.4	
253	Door knobs	9	+ 9.6	12.5	
272	Saws: crosscut	2	+10.5	2.5	
288 258	Vises	4599299763523	+11.1	6.8 10.7	
238 274	Locks Shovels	7	$\begin{vmatrix} +12.2 \\ +12.3 \end{vmatrix}$	10.7 12.8	
252	Chisels	l 6	+13.3	6.6	
273	Saws: hand	3	+13.3	4.0	
255	Hammers	5	+13.6	5.9	
287	Trowels	2	+22.0	2.0	
271	Planes	3	+23.0	7.5	
348	Building materials	11	1 5	8.3	
353	Linseed oil Turpentine: spirits of	11 10	$\begin{bmatrix} -1.5 \\7 \end{bmatrix}$	11.2	
338	Lime	15	6	6.8	
327	Brick	10	1 9 1	6.0	
321	Spruce	10	+ 2.2	10.9	
345	Glass: window, B	11	+ 2.4 + 2.6 + 2.8	8.8	
354	Lead: carbonate of	11	+ 2.6	11.7	
344 350	Glass: window, A Rosin'	10 10	+ 2.8	9.1 11.4	
317	Pine: yellow siding		+ 2.8 + 3.6	5.5	
323	Shingles: cypress	8 6 9 7 8 9 7	3.7	11.2	
352	Tar	9	+ 3.7 + 3.8	8.7	
335	Doors	7	+ 6.3	9.8	
306	Hemlock: N. Y.	8	+ 6.4	6.4	
324	Shingles: red clear	2	+ 0.0	9.9	
310 355	Oak: white plain, N. Y. Zinc: oxide of	11	+ 6.6 + 7.3 + 8.3	8.6 8.4	
319	Poplar: N. Y.	10	+ 9.8	8.4	
349	Putty	6	+10.0	5.8	
312	Oak: white quartered, N. Y.	9	+11.0`	11.2	
308	Maple: N. Y.	8 9	+11.2	10.6	
313	Pine: white boards	9	+12.1	9.1	
	Chemicals and drugs				
393	Alcohol: grain	9	3.9	8.3	
382	Tallow	11	— 1.6	5.9	
362	Alcohol: wood	10	<u> </u>	7.9	
360 397	Acid: sulphuric	6 10	$\begin{bmatrix} -1.2 \\ -3 \end{bmatrix}$	11.2 11.7	
363	Opium Alum	7	3	7.4	
357	Acid: muriatic	Ś	+ .2	4.8	
381	Sulphur	5 6	+ 1.8	12.0	
-					

TABLE XV (Conc.)

(1) Ref. No.	(2) Commodity	(3) Number of price revivals	(4) Average deviation from reference date	(5) Measure of incon- sistency
396 400 377	Chemicals and drugs (cont.) Glycerine Quinine Soda: bicarbonate of House-furnishings	9 8 6	+ 4.6 +11.0 +14.3	10.8 7.2 7.0
419 430 418 423 417 422 427 406 405 412 428 429 414 431 425	Carpets: Wilton Tickings: Amoskeag Carpets: Brussels Sheeting: 10-4 Pepperell Carpets: Axminster Pails Tumblers Bedroom sets Bedroom chairs Kitchen chairs Sheeting: 10-4 Wamsutta Plates Teacups and saucers Kitchen tables Tubs Pitchers	9 10 9 11 8 5 7 6 9 10 4 6 5 6 6 5 6	+ 2.7 + 3.8 + 4.6 + 5.1 + 5.9 + 8.9 + 11.3 + 11.7 + 12.6 + 13.6 + 14.7 + 16.7 + 19.4 + 21.2	8.3 8.3 9.6 4.3 8.5 13.6 7.1 9.4 6.8 6.8 7.6 10.7
440 451 441 436 438 455 433 450 448 444 456 457 443	Nappies Miscellaneous Leather: sole oak Rubber Leather: sole oak, scoured backs Leather: calf Leather: harness oak Starch: laundry Cottonseed meal Rope Jute Paper: wrapping, Manilla Tobacco: plug Tobacco: smoking Paper: newsprint	2 11 10 10 11 11 11 8 10 11 11 11 8 4 3 8	+36.5 - 1.2981 + .8 + 1.1 + 1.4 + 1.6 + 5.2 + 5.7 + 10.7 + 12.2	5.9 7.2 4.5 8.1 3.6 7.7 5.7 10.9 9.1 12.1 5.7 12.7 13.0

 $[\]Rightarrow$ The entry for period 17 which was affected by war-time price regulation has been omitted in computing this average.

TABLE XVI

Measures Describing the Behavior of Wholesale Commodity Prices during Periods of Revival and Recession in American Business, 1890–1925.

Ranking of Commodities, by Groups, according to the Average Duration of the Period of Rising Prices.¹

(1) Ref. No.	(2) Commodity	(3) Average duration of period of rising prices (in months)
	Farm products	
49	*Onions	17.0
22	*Beans	18.3
44	*Hops	20.1
2	*Corn	20.4
16	Hogs: light	20.7
15	Hogs: heavy	21.2
1	Barley	22.1
4 51	(*Oats	22.2
53	*Potatoes	22.8
33	Rice	23.1
25 5	Cotton	23.2
17	*Rye	14.0 24.5
37	Sheep: ewes *Hay	24.7 (21.7)
19	Sheep: wethers	24.8
42	Hides	24.9
47	Milk	25.5
14	Cattle: good to choice	25.7
59	Wool: medium	26.0 (22.9)
56	Wool: fine clothing	27.0 (24.0)
13	Cattle: choice to prime	27.1
34	*Flaxseed	34.5 (25.2)
31	*Eggs	34.7 (24.0)
6	*Wheat	34.8 (29.6)
	Foods	, , , ,
130	Prunes	16.2
152	*Tea	16.9
128	*Apples	18.4
129	*Currants	18.4
109	Coffee	19.9
115	Mackerel	20.6
161	*Vinegar	20.9
119	*Flour: wheat, winter straights	21.0
74	Pork: cured, salt mess	21.1
158	Cottonseed oil	22.6
90	*Butter: creamery firsts, N. Y.	23.3
69	Hams	23.9
89 95	*Butter: creamery extra, N. Y.	24.0
УJ	*Butter: creamery extra, St. Louis	24.0

¹The main entries in this table are averages based upon all the recorded periods of rising prices. In computing the averages given in parentheses account has been taken only of those periods of rise which were limited to a single phase of revival (and prosperity).

The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation see text, pp. 81, 102.

TABLE XVI (Cont.)

(1) Ref. No.	(2) Commodity	(3) Average duration of period of rising price (in months)
	Foods (cont.)	24.1
117 75	*Flour: rye Pork: cured, rough sides	24.1 24.3
64	Beef: fresh	24.4
76	Pork: cured, short clear sides	24.9
99	*Cheese	24.9
71	Mutton	25.1
145	Pepper	25.1 (23.1)
68	Beef: salt	25.3 (23.1)
120	*Flour: wheat, standard patents	25.9
149	*Sugar: raw	26.2
113	Cod	26.7
150	*Sugar: granulated	27.2
139 146	Meal: corn, fine white *Salt	27.4 28.4 (21.7)
116	Salmon	28.6 (17.0)
138	Lard	28.9 (22.2)
140	Meal: corn, yellow table	29.1
141	Molasses	30.6 (22.8)
114	Herring	31.4 (22.5)
112	Crackers: soda	32.2 (20.8)
131	Raisins	34.1 (26.2)
111	Crackers: oyster	40.6 (27.5)
106	Bread: N. Y.	45.5 (18.0)
148	Starch: corn	51.5 (9.5)
104	Bread: Cincinnati Cloths and clothing	67.5 (32.0)
179	Calico	19.0
181	Drillings: Pepperell	19.9
220	Worsted yarns: 2-32's	19.9
192	Muslin: Rough Rider	20.0
193	Muslin: Wamsutta	20.8
195	Print cloths	21.7
197	Sheetings: 4-4 Pepperell R-	22.5
202	Cotton yarns: carded, cones 10/1	22.6
196	Sheetings: 4-4 Indian Head	23.2
203	Cotton yarns: carded, cones 22/1	23.7
191 180	Muslin; Lonsdale Denims	23.8 23.9
221	Worsted yarns: 2-40's	23.9
185	Ginghams: Amoskeag	25.0
198	Sheetings: 4-4 Ware Shoals	25.2 (20.2)
182	Drillings: Mass. D	25.8
186	Ginghams: Lancaster	25.8
190	Muslin: Fruit of the Loom	26.3
226	Silk: raw, Japanese, Kansai No. 1	26.5
183	Flannel: colored	27.0
184	Flannel: unbleached	27.0
228	Silk: raw, Japanese, extra-extra	27.1
173	Men's shoes: chocolate elk	28.3 (15.2)
217	Storm serge	29.0

^{*}See footnote on page 558.

TABLE XVI (Cont.)

	· · · · · · · · · · · · · · · · · · ·	
(1) Ref. No.	(2) Commodity	(3) Average duration of period of rising prices (in months)
	Cloths and clothing (cont.)	<u> </u>
216	French serge	30.9
206	Flannel: white	33.4 (27.0)
218	Poplar cloth	35.6 (35.0)
210	Suiting: Middlesex	37.8 (21.4)
215	Broadcloth	40.5 (21.5)
177	Women's shoes	40.8 (13.3)
219 199	Sicilian cloth Cotton thread	41.6 (30.0)
166	Men's shoes: black calf	44.3 (17.5)
223	Linen shoe thread	46.5 (8.5) 75.0 (11.0)
174	Men's shoes: vici kid	91.0 ()
213	Underwear: shirts and drawers	96.0 (24.0)
.214	Underwear: union suits	141.5 (36.0)
	Fuel and lighting	
234	Anthracite coal: egg	11.0
235	Anthracite coal: stove	11.5
236	Bituminous coal: Kanawha	13.7
238	Bituminous coal: Pocahontas	16.9
233	Anthracite coal: chestnut	19.7
239	Coke	20.7
249	Petroleum: refined, 150° fire test	25.3 (22.7)
237 248	Bituminous coal: New River	27.9 (24.0)
248 247	Petroleum: refined, for export Petroleum: crude	29.4 (23.8) 29.9 (25.0)
232	Anthracite coal: broken	61.2 (8.3)
2 44	Matches	85.0 ()
	Metals and metal products	05.0 ()
259	Pig iron: basic	14.8
295	Copper: wire	16.6
261	Pig iron: foundry No. 2, Northern	16.7
276	Steel billets	16.7
260	Pig iron: Bessemer	17.3
267	Bar iron: from mill, Pittsburgh	17.8
293 294	Copper: ingot	18.6
263	Copper: sheet Pig iron: foundry No. 2, Southern	18.7 19.2
269	Nails: wire	19.2
266	Bar iron: from store, Phila.	20.1
302	Zinc: slab	20.1
288	Vises	21.0 (16.1)
296		22.1
289	Lead: pig Wire: fence	22.3
298	Quicksilver	23.0
301	Zinc: sheet	23.0 (17.6)
300	Tin: pig	23.3
291 297	Wood screws	23.8
253	Lead: pipe Door knobs	24.1 24.2 (15.4)
299	Silver	24.2 (15.4) 25.6 (21.7)
258	Locks	26.2 (17.7)
274	Shovels	28.8 (18.6)

TABLE XVI (Cont.)

(1) Ref.	(2) Commodity	(3) Average duration of
No.		period of rising prices (in months)
	Metals and metal products (cont.)	
254	Files	30.3
251	Butts	32.0 (18.5)
252	Chisels	35.8 (15.0)
287 271	Trowels Planes	49.0 (——) 50.7 (9.0)
280	Steel rails	57.6 (18.5)
255	Hammers	58.7 (15.5)
250	Augers	65.0 (32.5)
272	Saws: crosscut	66.0 ()
273 -	Saws: hand	186.0 ()
319	Building materials Poplar: N. Y.	20.1
324	Shingles: red cedar	21.1 (15.6)
345	Glass: window, B	24.0
354	Lead: carbonate of	24.1
352	Tar	25.0
327 321	Brick Spruce	25.2 (20.0) 25.3 (22.1)
348	Linseed oil	25.9
350	Rosin	26.0 (20.6)
349	Putty	26.3 (19.2)
3 14	Glass: window, A	28.2 (21.6)
355 335	Zine: oxide of Doors	28.2 (13.3) 28.3 (17.8)
313	Pine: white boards	28.4 (23.1)
312	Oak: white quartered, N. Y.	28.9 (23.9)
353	Turpentine: spirits of	28.9 (25.7)
308	Maple: N. Y.	35.0 (20.4)
306 310	Hemlock: N. Y. Oak: white plain, N. Y.	38.3 (24.7) 38.7 (20.3)
323	Shingles: cypress	39.2 (29.7)
317	Pine: yellow aiding	45.0 (23.3)
338	Lime	61.5 (9.0)
	Chemicals and drugs	
377	Soda: bicarbonate of	13.2
400	Quinine	16.5
382 397	Tallow . Opium	23.5 24.4
396	Glycerine	24.7
393	Alcohol: grain	25.9 (20.6)
357	Acid: muriatic	26.2 (16.7)
360	Acid: sulphuric	27.0 (20.0)
362	Alcohol: wood	30.8 (27.4)
381 363	Sulphur Alum	47.7 (24.0) 62.8 (18.7)
505	House-furnishings	02.0 (10.7)
423	Sheeting: 10-4 Pepperell	23.0
430	Tickings: Amoskeag	23.9
427	Tumblers	24.6 (21.7)
424	Sheeting: 10-4 Wamsutta	25.1 (20.6)
426	Pitchers	26.8 (12.7)
	1	

TABLE XVI (Conc.)

(1) Ref. No.	(2) Commodity	(3) Average duration of period of rising prices (in months)
	House-Jurnishings (cont.)	
412	Kitchen chairs	31.9 (21.2)
417	Carpets: Axminster	32.3 (26.7)
419	Carpets: Wilton	47.5 (25.2)
406	Bedroom sets	48.0 (21.3)
418	Carpets: Brussels	48.2 (26.2)
405	Bedroom chairs	56.7 (23.5)
422	Pails	59.7 (10.5)
428	Plates	72.7 (24.0)
429	Teacups and saucers	72.7 (24.0)
431	Tubs	82.3 (13.0)
425	Nappies	84.0 ()
414	Kitchen tables	134.0 (10.0)
	Miscellaneous	
433	Cottonseed meal	20.1 (15.1)
436	Leather: calf	20.1
443	Paper: newsprint	21.9
450	Rope	22.0
448	Jute	23.4
451	Rubber	23.7 (22.4)
440	Leather: sole oak	24.1
441	Leather: sole oak, scoured backs	26.2 (19.2)
438	Leather: harness oak	27.0 (19.1)
455	Starch: laundry	30.9 (19.4)
444	Paper: wrapping, Manila	36.0 (29.2)
456	Tobacco: plug	52.5 (50.0)
457	Tobacco: smoking	149.0 ()

TABLE XVII

Measures Describing the Behavior of Wholesale Commodity Prices during Periods of Revival and Recession in American Business, 1890-1925.

Average Sequence of Recession, by Groups, with Measures of Inconsistency.1

The figures in column (4) indicate the number of months by which the price turns of specific commodities precede (—) or lag behind (+) the major turns of the general price index.

The measures in column (5) indicate the degree of reliability of the averages in column (4). The smaller the measure in column (5), the more consistent is the commodity in question in respect to the timing of its cyclical price movements.

(1) Ref. No.	(2) Commodity	(3) No. of price re- cessions	(4) Average deviation from reference date	(5) Measure of incon- sistency
6 49 5 4 1 34 242 49 59 19 56 15 17 16 24 44 13 14 31 47	*Wheat *Onions *Rye *Oats *Barley *Flaxseed *Beans Hides Wool: medium Sheep: wethers Wool: fine clothing Hogs: heavy Rice Sheep: ewes Hogs: light *Corn *Hops Cattle: choice to prime Cattle: good to choice *Eggs Cotton *Hay *Potatoes Milk	6 10 8 9 10 8 10 10 8 10 10 9 10 10 8 10 10 10	-16.4 -11.19 -6.6.4 -6.42 -5.6 -4.9 -4.20 -3.8 -3.8 -2.3 -1.5 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1 -4.1	10.8 10.9 10.2 10.9 6.1 11.5 12.0 3.1 10.0 4.9 9.9 4.1 11.2 3.3 3.8 9.8 11.5 6.2 6.8 9.6 15.2 7.6
129 152 75 130 76 74	*Currants *Tea Pork: cured, rough sides Prunes Pork: cured, short clear sides Pork: cured, salt mess	9 9 9 10 9	10.7 5.6 5.4 5.4 4.9 4.6	10.9 13.5 9.5 10.8 8.9 8.8

¹In computing the average time of recession, as given in this table, the entries for period 16 have been omitted. Because of war-time regulation and other abnormal conditions these entries are not considered to be representative.

The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation see text pp. 81, 102.

TABLE XVII (Cont.)

(1) Ref. No.	(2) Commodity	(3) No. of price re- cessions	(4) Average deviation from reference date	(5) Measure of incon- sistency
119 99 90 120 89 95 138 139 145 140 128 158 109 69	Foods (cont.) *Flour: wheat, winter straights *Cheese *Butter: creamery firsts, N. Y. *Flour: wheat, standard patents *Butter: creamery extra, N. Y. *Butter: creamery extra, St. Louis Lard Meal: corn, fine white Pepper Meal: corn, yellow table *Apples Cottonseed oil Coffee Hams Beef: fresh	8 10 10 8 10 10 8 9 8 9 10 10	- 4.0 - 4.0 - 3.9 - 3.3 - 3.3 - 3.3 - 2.7 - 1.5 - 1.1 + 1.1 + 1.2	14.2 7.1 7.8 13.8 7.4 7.4 6.1 8.5 9.1 8.6 13.5 4.6 11.4 6.0
114 71 68 113 161 115 117 146 148 141 131 111 116	Herring Mutton Beef: salt Cod *Vinegar Mackerel Crackers: soda *Flour: rye *Salt Starch: corn Molasses Raisins Crackers: oyster Salmon *Sugar: raw	77 10 9 9 10 9 6 7 8 6 7 7 6 7 9 5 9 3 9 3 9 3 9 3 9 3 9 3 9 3 9 3 9 3	++1.3 ++1.90 ++22.5 ++22.5 ++55.4 ++55.4 +++++++++++++++++++++++	8.8 7.3 10.3 8.5 12.9 15.1 11.4 8.3 6.1 14.7 98.7
106 150 104	Bread: N. Y. *Sugar: granulated Bread: Cincinnati Cloths and clothing	5 9 3	+ 8.7 + 9.0 +10.0	8.4 9.4 4.0
166 173 177 220 221 226 215 228 219 195 174 198 179 216	Men's shoes: black calf Men's shoes: chocolate elk Women's shoes Worsted yarns: 2-32's Worsted yarns: 2-40's Silk: raw, Japanese, Kansai No. 1 Broadcloth Silk: raw, Japanese, extra-extra Sicilian cloth Print cloths Men's shoes: vici kid Calico Sheetings: 4-4 Ware Shoals French serge Suiting: Middlesex	4 7 5 10 9 10 6 10 2 9 10 7	- 3.3 - 2.4 - 2.2 - 1.9 - 1.6 3 1 + 2.0 + 2.0 + 2.1 + 2.2 + 3.0	4.0 4.5 6.7 4.1 5.4 7.3 5.9 7.0 1.5 3.0 4.8

^{*}See footnote on page 563.

TABLE XVII (Cont.)

	TABLE AVII (Colls)			
(1) Ref. No.	(2) Commodity	(3) No. of price re- cessions	(4) Average deviation from reference date	(5) Measure of incon- sistency
	Cloths and clothing (cont.)			
199	Cotton thread	4	+ 3.3	4.1
202	Cotton yarns: carded, cones 10/1	10	+ 3.7	6.2
217	Storm serge	8	+ 3.7	6.9
203	Cotton yarns: carded, cones 22/1	10	+ 4.2	6.9
182	Drillings: Mass. D	10	+ 4.8	5.9
192 186	Muslin: Rough Rider Ginghams: Lancaster	10 10	+ 4.8 ± 4.0	6.2 7.3
190	Muslin: Fruit of the Loom	10	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	5.6
181	Drillings: Pepperell	10	 5.9	5.5
191	Muslin: Lonsdale	10	+ 6.0	6.1
206	Flannels: white	8	+ 6.0	2.1
214 197	Underwear: union suits	.2	+ 6.0	4.0 7.0
185	Sheetings: 4-4 Pepperell R Ginghams: Amoskeag	10 10	+ 6.3	7.7
180	Denims	10	+ 6.4 + 6.7	5.9
193	Muslin: Wamsutta	10	1 + 7.4	4.4
213	Underwear: shirts and drawers	9 3 8 5 3	+ 8.5 + 8.7	1.5
183	Flannel: colored	8	+ 8.7	7.0
218	Poplar cloth	5	+ 8.7 + 8.7	7.2
223 196	Linen shoe thread	3 10	+ 8.7	7.4 6.2
184	Sheetings: 4-4 Indian Head Flannel: unbleached	9	+ 9.2 +11.0	8.7
202	Fuel and lighting	,	711.0	0.1
239	Coke	10	l _ s	7.6
232	Anthracite coal: broken	4	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	5.2
236	Bituminous coal: Kanawha	10	$ + \tilde{2}.\tilde{2} $	5.0
238	Bituminous coal: Pocahontas	8	1 + 3.0 1	5.4
234	Anthracite coal: egg	2 2 2 7 3 7	+ 4.5	8.5
235 244	Anthracite coal: stove Matches	2	+ 4.5	8.5
248	Petroleum: refined, for export	\ \frac{2}{7}	+ 6.0 + 6.1	12.0 5.3
233	Anthracite coal: chestnut	3	+6.3	7.4
249	Petroleum: refined, 150 ° fire test	7	+ 6.3 + 6.3	7.4 7.3
237	Bituminous coal: New River	8	+ 6.7	6.5
247	Petroleum: crude	8	+ 6.9	8.4
	Metals and metal products			
295	Copper: wire	10	— 4.2	5.4
267	Bar iron: from mill, Pittsburgh	10	<u> </u>	7.7
293 302	Copper: ingot	10	-3.7	5.4
259	Zinc: slab Pig iron: basic	9	$\begin{bmatrix} -3.7 \\ -3.2 \end{bmatrix}$	6.2 4.8
261	Pig iron: basic Pig iron: foundry No. 2, Northern	10 10	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	4.8 4.1
263	Pig iron: foundry No. 2, Northern	10	- 2 .0	4.5
276	Steel billets	iŏ	2.ŏ	2.9
294	Copper: sheet	9	1.2	5.7
260	Pig iron: Bessemer	10	-1.1	3.7
297 301	Lead: pipe	8	- 1.0	5.1
296	Zinc: sheet Lead: pig	8 10	— .9 — .4	7.3 6.4
266	Bar iron: from store, Phila.	10	3	4.2
	<u> </u>		'-	_
				

TABLE XVII (Cont.)

(1) Ref. No.	(2) Commodity	(3) No. of price re- cessions	(4) Average deviation from reference date	(5) Measure of incon- sistency
299 300 289 298 288 271 269 253 254 280 252 274 251 250 258 272 273 255 287	Metals and metal products (cont.) Silver Tin: pig Wire: fence Quicksilver Vises Planes Nails: wire Door knobs Files Steel rails Chisels Shovels Wood screws Butts Augers Locks Saws: crosscut Saws: hand Hammers Trowels	8 10 9 8 4 9 8 3 5 6 7 10 7 5 9 1 1		9.0 7.4 5.0 5.3 8.4 5.8 7.5 5.0 7.1 5.5 7.2 0 8.8 0
323 327 317 335 338 324 350 345 353 348 310 344 355 352 306 354 319 349 313 312 313	Building materials Shingles: cypress Brick Pine: yellow siding Doors Lime Shingles: red cedar Rosin Glass: window, B Turpentine: spirits of Linseed oil Oak: white, plain, N. Y. Glass: window, A Zine: oxide of Tar Hemlock: N. Y. Lead: carbonate of Poplar Putty Maple: N. Y. Spruce Pine: white boards Oak: white quartered, N. Y. Chemicals and drugs Sulphur	595758910910698860109669894	- 2.6 - 2.4 - 1.4 7 + 1.0 + 1.0 + 1.2 + 1.3 + 3.6 + 4.2 + 4.3 + 5.2 + 6.8 + 7.8 + 13.0 - 10.3	2.4 9.5 3.5 14.5 9.8 9.1 15.6 12.6 12.6 12.6 12.7 7.0 14.7 5.7 9.9
381 393 360 382 357 397 362	Sulphur Alcohol: grain Acid: sulphuric Tallow Acid: muriatic Opium Alcohol: wood	4 8 6 10 5 9	10.3 6.8 5.8 1.8 1.2 +2 +- 2.5	9.9 7.2 12.5 5.3 4.6 12.2 7.0

TABLE XVII (Conc.)

	TABLE AVII (Conc.)			
(1) Ref. No.	(2) Commodity	(3) No. of price re- cessions	(4) Average deviation from refer- ence date	(5) Measure of incon- sistency
400 377 396 363	Chemicals and drugs (cont.) Quinine Soda: bicarbonate of Glycerine Alum	8 7 8 5	+ 3.1 + 5.3 + 7.0 +10.5	9,5 4,5 4,7 5.0
419 425 418 423 427 406 431 417 422 424 405 428 429	House-furnishings Carpets: Wilton Nappies Carpets: Brussels Sheeting: 10-4 Pepperell Tumblers Bedroom sets Tickings: Amoskeag Kitchen tables Tubs Carpets: Axminster Pails Sheeting: 10-4 Wamsutta Bedroom chairs Pitchers Plates Teacups and saucers	6 3 6 10 8 5 10 4 4 7 5 8 4 7 3 3 8	+ 2.0 + 3.7 + 3.8 + 3.8 + 5.3 + 5.5 + 7.6 + 8.7 + 9.3 + 11.3	8.7 2.3 8.4 6.2 8.3 26.2 8.4 5.0 28.9 7.4
451 433 436 441 450 438 455 440 448 457 456 443 441	Kitchen chairs Miscellaneous Rubber Cottonseed meal Leather: calf Leather: sole oak, scoured backs Rope Leather: harness oak Starch: laundry Leather: sole oak Jute Tobacco: smoking Tobacco: plug Paper: newsprint Paper: wrapping, Manila	8 9 10 9 10 9 7 10 10 2 5 8	+11.7	7.4 9.9 7.9 6.8 3.7 7.5 4.1 8.1 5.0 9.9 9.1

TABLE XVIII

Measures Describing the Behavior of Wholesale Commodity Prices during Periods of Revival and Recession in American Business, 1890-1925.

Ranking of Commodities, by Groups, according to the Average Duration of the Period of Falling Prices.¹

(1) Ref. No.	(2) Commodity	(3) Average duration of period of falling prices (in months)
	Farm products	
1 51	Cattle: choice to prime Milk Cattle: good to choice Sheep: wethers *Eggs Hides Sheep: ewes *Flaxseed *Barley *Potatoes	9.9 12.9 13.2 13.2 13.4 13.7 14.9 15.2 16.3
25 59 15 16 4 2 22 49 53 5 6 6 37	Cotton Wool: medium Hogs: heavy Hogs: light *Oats *Corn *Beans *Onions Rice *Rye Wool: fine clothing *Wheat *Hay *Hops Foods	16.5 17.5 17.6 17.7 19.0 19.2 20.1 20.4 20.4 (18.6) 20.7 (18.6) 20.7 (13.7) 22.0 (18.8) 22.1 27.4 (21.8)
140 106 139 71 99 64 69 89 95 158 68 90 74	Meal: corn, yellow table Bread: N. Y. Meal: corn, fine white Mutton *Cheese Beef: fresh Hams *Butter: creamery extra, N. Y. *Butter: creamery extra, St. Louis Cottonseed oil Beef: salt *Butter: creamery firsts, N. Y. Pork: cured, salt mess	11.2 12.0 12.9 14.4 14.5 15.8 15.8 15.8 15.8 17.0

¹The main entries in this table are averages based upon all the recorded periods of falling price. In computing the averages given in parentheses account has been taken only of those periods of decline which were limited to a single phase of recession (and depression).

^{*}The commodities marked with an asterisk have price movements which are irregular, in the sense that they do not conform in any systematic fashion to the cyclical movements of general prices. For a more detailed explanation see text, pp. 81, 102.

TABLE XVIII (Cont.)

(1) Ref. No.	(2) Commodity	(3) Average duration of period of falling pri-
	<u>,</u> ,	(in months)
	Foods (cont.)	
400		17.0 (14.1)
120	*Flour: wheat, standard patents	17.2 (14.3) 17.5
146	*Salt	
109 150	Coffee	17.7 17.7 (16.1)
149	*Sugar: granulated *Sugar: raw	18.1 (16.6)
76	Pork: cured, short clear sides	19.0 (16.1)
75	Pork: cured, rough sides	19.9 (17.0)
113	Cod	20.9 (16.7)
131	Raisins	20.9 (17.5)
138	Lard	21.0 (18.0)
115	Mackerel	21.3
129	*Currants	21.4
111	Crackers: oyster	21.7 (10.7)
152	*Tea	21.9
114	Herring	22.1 (17.4)
119	*Flour: wheat, winter straights	22.1 (19.9)
145	Pepper	22.6 (15.4)
116	Salmon	22.7
130	Prunes	22.9
128	*Apples	23.4 (22.1)
141	Molasses	23.7
112	Crackers: soda	24.0 (11.2)
161	*Vinegar	24.8 (18.4)
117 148	*Flour: rye	25.9 (19.8)
104	Starch: corn Bread: Cincinnati	29.4 (17.2)
104		59.0 (4.0)
	Cloths and clothing	1
206	Flannel: white	1 11.1
184	Flannel: unbleached	11.6
190	Muslin: Fruit of the Loom	11.9
228	Silk: raw, Japanese, extra-extra	11.9
183	Flannel: colored	12.0
226	Silk: raw, Japanese, Kansai, No. 1	12.6
182 191	Drillings: Mass, D	13.4
	Muslin: Lonsdale	14.2
186 180	Ginghams: Lancaster Denims	14.9 15.8
185	Ginghams: Amoskeag	
196	Sheetings: 4-4 Indian Head	16.0 16.6
192	Muslin: Rough Rider	16.8
203	Cotton yarns: carded, cones 22/1	17.1
174	Men's shoes: vici kid	17.5
197	Sheetings: 4-4 Pepperell R	17.5
220	Worsted yarns: 2-32's	1 18.2
202	Cotton yarns: carded, cones 10/1	18.3
217	Storm serge	18.7 (14.1)
221	Worsted yarns: 2-40's	18.7 (14.5)
193	Muslin: Wamsutta	18.8

^{*}See footnote on page 568.

TABLE XVIII (Cont.)

(1) Ref. No.	(2) Commodity	(3) Average duration of period of falling prices (in months)
	Cloths and clothing (cont.)	
198 195	Sheetings: 4-4 Ware Shoals	18.9
181	Print cloths Drillings: Pepperell	19.0 19.4
215	Broadcloth	19.5 (15.2)
218	Poplar cloth	20.2 (14.0)
210	Suiting: Middlesex	21.1 (15.7)
173	Men's shoes: chocolate elk	22.7
216 179	French serge Calico	23.1 (16.0) 24.4 (19.7)
166	Men's shoes: black calf	25.5
219	Sicilian cloth	25.8 (14.0)
177	Women's shoes	26.6
213	Underwear: shirts and drawers	28.7 (13.0)
214 199	Underwear: union suits Cotton thread	47.5 (23.0)
223	Linen shoe thread	49.2 (32.3) 49.7 (35.0)
LLJ	Fuel and lighting	45.7 (05.0)
247	Petroleum: crude	16.7 (14.7)
239	Coke	17.2
248	Petroleum: refined, for export	19.9 (17.2)
233	Anthracite coal: chestnut	21.0
232	Anthracite coal: broken	23.0
237 249	Bituminous coal: New River Petroleum: refined, 150° fire test	23.7 (13.7) 24.0 (22.5)
236	Bituminous coal: Kanawha	25.2
235	Anthracite coal: stove	31.0
238	Bituminous coal: Pocahontas	31.1 (21.7)
234	Anthracite coal: egg	33.0
244	Matches	81.0 (7.0)
	Metals and metal products	
272	Saws: crosscut	15.0
273	Saws: hand	15.0
297 300	Lead: pipe	15.6
296	Tin: pig Lead: pig	15.6 15.8
291	Wood screws	16.7
289	Wire: fence	17.1
298	Quicksilver	18.4 (13.4)
299	Silver	18.5
280	Steel rails	18.6
258 287	Locks Trowels	19.0 19.0
266	Bar iron: from store, Phila.	19.1
302	Zinc: slab	19.1
263	Pig iron: foundry No. 2, Southern	19.3
250	Augers	19.5 (12.7)
294 293	Copper: sheet	20.0
260	Copper: ingot Pig iron: Bessemer	20.2 20.7
		••••

TABLE XVIII (Cont.)

(1) Ref. No.	(2) Commodity	(3) Average duration of period of falling prices (in months)
301 261 267 276 295 253 269 251 274 255 288 252 271 254	Metals and metal products (cont.) Zinc: sheet Pig iron: foundry No. 2, Northern Bar iron: from mill, Pittsburgh Steel billets Copper: wire Door knobs Nails: wire Pig iron: basic Butts Shovels Hammers Vises Chisels Planes Files	20.7 21.1 21.3 21.4 22.4 22.7 22.8 (18.7) 23.0 23.1 (19.0) 24.7 (24.3) 28.7 (18.3) 28.7 (18.3) 28.9 (24.9) 30.2 (24.4) 56.3 (39.0) 70.3 (16.0)
348 308 353 354 312 345 345 350 352 306 338 321 327 313 323 355 319 324 335	Building materials Linseed oil Maple: N. Y. Turpentine: spirits of Lead: carbonate of Oak: white quartered, N. Y. Glass: window, B Glass: window, A Rosin Tar Hemlock: N. Y. Lime Spruce Brick Pine: yellow siding Pine: white boards Shingles: cypress Zine: oxide of Poplar: N. Y. Shingles: red cedar Oak: white plain, N. Y. Doors Putty	12.6 14.0 14.0 14.9 15.4 15.9 16.1 16.2 17.4 17.5 17.7 18.3 18.3 19.4 20.0 (12.7) 20.2 22.1 22.2 22.1 22.8 (18.0) 26.2 (20.1) 27.3 (21.0) 28.3 (23.2) 34.8 (16.7)
363 362 382 397 393 396 400 381 350 357 377	Chemicals and drugs Alum Alcohol: wood Tallow Opium Alcohol: grain Glycerine Quinine Sulphur Acid: sulphuric Acid: muriatic Soda: bicarbonate of	10.4 13.4 14.8 14.8 18.6 18.6 (12.0) 28.3 (22.7) 39.7 (23.3) 46.4 (21.7) 53.5 (18.7) 57.8 (22.0)

TABLE XVIII (Conc.)

(1) Ref. No.	(2) Commodity	(3) Average duration of period of falling prices (in months)
	House-furnishings	
430	Tickings: Amoskeag	14.8
423	Sheeting: 10-4 Pepperell	15.8
406	Bedroom sets	16.7
418	Carpets: Brussels	19.5 (10.8)
419	Carpets: Wilton	19.8 (10.6)
424	Sheeting: 10-4 Wamsutta	20.0
417	Carpets: Axminster	22.3 (13.2)
422	Pails	24.2 (16.0)
412	Kitchen chairs	26.0 (19.8)
405	Bedroom chairs	27.3 (19.5)
431	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35.7 (20.3)
426	Pitchers	36.0 (31.2)
414	Kitchen tables	43.5 (21.0)
428	Plates	53.0 (19.0)
429	Teacups and saucers	53.0 (19.0)
127	Tumblers	56.6 (12.5)
425	Nappies	66.0 (60.0)
	Miscellaneous	1
457	Tobacco: smoking	9.0
444	Paper: wrapping, Manila	14.0 (10.0)
440	Leather: sole oak	14.8
448	Jute	15.2
441	Leather: sole oak, scoured backs	15.7
438	Leather: harness oak	15.7
450	Rope	16.8
443	Paper: newsprint	17.3
436	Leather : calf	19.6
451	Rubber	20.0
433	Cottonseed meal	22.2
455	Starch: laundry	22.3 (19.8)
456	Tobacco: plug	42.3 (13.5)

TABLE XIX

Measures Descriptive of Frequency Distributions of Unweighted Fixed Base Relatives of Commodity Prices at Wholesale, in the United States, 1891-1926¹

(Arithmetic Measures)

(1) Year	(2) Mean	(3) Me- dian	(4) Stand- ard de- viation	(5) .6745 o M x100	(6) 8 ₁	(7) \$2	(8) Skewness²	(9) Kurtosis	(10) _{K1}	(11) _{K2}	(12) r	(13) Pear- sonian curve type
1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901	100.0 95.4 95.1 85.7 84.3 81.5 81.0 84.9 92.1 102.8	100.0 95.9 95.5 87.5 83.5 81.9 81.8 83.9 91.0 99.1 97.6	10.20 15.42 14.54 16.03 16.91 15.77 17.84 20.82 23.34	7.2 10.9 11.4 12.8 14.0 13.1 14.2 15.2 15.7 16.5 16.8	.0324 1.8537 .0047 2.7955 .1349 .0324 .7484 .4491 .3242 .9128 .8695	4.6774 7.5394 3.4728 14.9681 6.7421 3.1449 5.9207 5.1119 4.8728 5.4111 5.6831	—. 4082 —. 0266 .3061 —. 0749 —. 0847 .2395 .1960 .1670	11.9681 3.7421 .1449 2.9207	3.2576 3.5177 .9315 15.5497 7.0795 .1926 3.5962 2.8765 2.7730 2.0838 2.7577	.0079 .5949 .0038 .2818 .0170 .1272 .1931 .1345 .0978 .4098	6.7135 7.9922 15.8976 4.3110 4.7522 65.8100 6.9612 7.6401 7.6782 10.0728 8.2973	IV IV IV IV IV IV IV

¹The numbers of price quotations for the different years were as follows:

 1891-1902:
 195

 1902-1913:
 205

 1913-1917:
 391

 1918:
 389

 1926:
 385

The eight tables following (XIX to XXVII) are based on the same price quotations, with two minor exceptions in the case of link relatives.

\$A measure of skewness, derived after Pearson's formula, has been included for each of the distributions in these tables. Since ideal J curves are modeless, the term skewness has not the same significance for these distributions as it has for distributions with true modes.

TABLE XIX (Cont.)

(1) Year	(2) Mean	(3) Me- dian	(4) Stand- ard de- viation	(5) .6745 o M ×100	(6) \$1	(7) β ₂	(8) Skewness	(9) Kurtosis	(10) _{K1}	(11) _{K2}	(12) r	(13) Pear- sonian- curve type
1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922	100.0 101.3 101.6 103.0 109.0 115.1 106.8 109.9 115.2 113.1 116.6 116.7 100.0 110.1 142.5 190.5 214.7 218.4 245.3 160.2 154.5 164.8	101.6 101.0 102.9 108.0 114.6 109.0 112.3 115.7 110.8 114.6 116.3 100.0 99.6 100.4 121.0 171.2 192.3 208.9 229.3 154.7 151.5	11.34 17.49 19.20 22.36 23.98 20.23 22.10 28.51 34.23 33.59 28.55 13.05 71.05 131.37 135.38 119.27 70.63 81.44 52.44 44.56 48.18	7.6 11.6 12.6 13.8 14.0 13.8 13.6 16.7 20.4 19.4 16.5 8.8 43.5 62.2 47.9 37.5 21.8 22.4 22.1 19.4	.1171 .1826 .8820 2.0503 1.9982 .0552 .4259 5.9280 13.6001 15.0925 2.9179 8.9019 118.4667 164.2497 147.4448 126.6821 29.6149 1.7070 .6937 .2572 .1736	3.8010 4.1786 7.0173 10.2442 10.6027 5.5577 6.6789 18.9393 31.5601 33.2958 10.9979 23.5430 139.3550 200.3467 192.4489 148.1861 68.2365 7.4701 4.9142 3.6644 3.3765	.1420 .2262 .3169 .3002 —.0545 —.1446 —.5328 .9483 1.0535 .4198 .7160 .33.6462 180.0956 17.3041 30.2116 1.2546 .3777 .2889 .2172	136.3550 197.3467 189.4489 145.1861	1.8094 5.3886 8.3375 9.2108 4.9498 6.0801 14.0946 16.3199 15.3141 7.2421 14.3804 —82.6901 —98.0557	.0804 .1615; .3096 .2756; .0093 .0645 .8730 2.9124 3.6924 .5601 1.6161 —35.9281 —56.1044 —67.7854 —67.7854 4.9024 4.9024 .3537	12.8755 9.9348 5.7180 5.1770 4.9536 5.4578 5.1838 5.1131 6.2353 6.7402 5.8657 5.6591 —1.4431 —2.1476 —4.1620 —1.3719 5.4225 7.4829 11.0588 25.9210	IV IV IV IV IV IV IV IV IV IV IV IV IV I
1924 1925 1926	162.8 167.7 161.1		48.73 44.99 45.60	20.2 18.1 19.1	1.0214 .5460 .7909	6.2636 5.0558 5.4141	. 2891 . 2289	3.2636 2.0558 2.4141	3.4630 2.4736 2.4555	.5852 .2877 .1927 .2956	56.9225 7.3500 8:5134 8.8533	IV IV

TABLE XX

Measures Descriptive of Frequency Distributions of Weighted Fixed Base Relatives of Commodity Prices at Wholesale, in the United States, 1891-1926¹

(Arithmetic Measures)

(1) Year	(2) Mean	(3) Me- dian	(4) Stand- ard de- viation	(5) .6745 o M x100	(6) \$1	(7) \$2	(8) Skewness	(9) Kurtosis	(10) _{K1}	(11) _{K2}	(12) r	(13) Pear- sonian curve type
1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901	100.0 95.1 97.4 87.3 89.6 85.1 85.2 88.1 94.8 102.9 102.2 109.7	94.3 97.1 88.3 87.8 84.1 85.4 88.7 93.6 102.4 100.5	10.21 18.53 16.31 22.54 20.31 14.69 16.70 23.87 24.53	7.2 12.8 12.6 17.0 16.1 11.6 12.8 17.0 16.1 15.5 18.1	.0478 1.9758 .0101 8.1685 2.8532 .1606 .1307 2.3919 1.6901 .8989	4.0726 5.9890 3.1859 15.2603 10.1647 3.8359 3.8940 7.7648 7.6548 7.6518 5.3091	.6950 —.0453 1.4267 .4501 —.1486 —.1287 .5380	2.9890 .1859 12.2603 7.1647 .8359 .8940 4.7648 4.6508 2.1518	2.0018 .0506 .3415 .0151 5.7698 1.1900 1.3959 2.3539 4.2313 1.6069 .8118	.0185 43 .7514 .0223 1234 .2275 .6675 .1061 .0733 1 .2326 .4437 .5189 1 .5488	357.2964 38.2278 2420.5828 6.5633 13.4889 11.8775 11.1463 7.0343 12.1460	VI VI VI IV IV VI VI VI VI
1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913	100.0 102.3 103.8 103.7 106.6 113.5 108.6 116.3 120.3 113.3 119.6 120.9	102.4 102.7 104.9 106.2 113.8 109.7 113.6 117.2 111.0 123.5	13.89 21.50 20.69 19.93 20.63 19.50 23.52 28.39 24.85 24.00	9.2 14.0 13.5 12.6 12.3 12.1 13.6 15.9 14.8 13.5	.0381 .1170 .3019 .4866 .4219 .0015 .4003 2.1593 2.6761 2.3591	2.7290 2.1737 3.4700 4.9688 5.1828 3.0008 4.8273 9.7736 18.4569 20.8577 6.1958	.7586 —.2719 .2151 —.1848 —.0194 .3487 .2611 —.2258	27108263 .4700 1.9688 2.1828 .0008 1.8273 6.7736 15.4569 17.8577 3.1958	65632.0036 .0343 2.4778 3.09990029 2.4537 7.0693 22.8855 28.6381 4.5865	.1380 .3820 .2045 .1535	-3.1644 379.2595 8.4321 7.2794 -4136.4827 8.3800 5.6138 3.8751 3.6661	I VI IV IV IV IV IV IV

1See footnote to Table XIX concerning the number of price quotations.

TABLE	XX	(Cont.)
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(1) Year	(2) Mean	(3) Me- dian	(4) Stand- ard de- viation	(5) .6745# M x100	(6) \$1	(7) β ₂	(8) Skewness	(9) Kurtosis	(10) *1	(11)	(12) r	(13) Pear- sonian curve type
1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925	100.0 98.3 100.6 127.8 180.1 198.5 211.8 236.7 155.0 162.8 157.9 164.1 156.4	97.9 118.2 174.6 187.7 207.9 223.2 151.9 156.0 160.3 152.5 162.5	10.28 32.17 42.96 61.40 56.40 51.39 71.35 48.78 42.37 45.43 43.29 39.33 41.82	7.1 21.6 22.7 23.0 19.2 16.4 20.3 21.2 18.4 18.8 18.5 16.2 18.0	.0572 357.4706 330.8562 41.8122 26.0769 1.0105 .6192 1.0307 .2059 .0238 .4914 1.0430 .9397	8.9118 574.8087 765.6991 194.7847 153.2418 13.8801 4.6257 7.0034 4.3653 3.0730 5.4967 6.7671 6.1209	7.5842 3.8112 .8955 .6641 .1561 .2881 .2560 —.1442 .0753 .1917	5.9118 571.8087 762.6991 191.7847 150.2418 10.8801 1.6257 4.0034 1.3653 .0730 2.4967 3.7671 3.1209	11.6520 71.2056 532.8296 258.1328 222.2529 18.7287 1.3938 4.9147 2.1129 .0746 3.5192 4.4052 3.4227	.0049 341.5485 44.3083 2.4233 1.3134 .0732 .3880 .2105 .0785 .2407 .1229 .2359 .2636	4.0446 18.2293 4.8853 3.5324 3.4060 3.8026 12.9423 6.0708 8.9717 164.8150 6.8287 6.4343 7.3296	IA IA IA IA IA IA IA IA IA IA IA

TABLE XXI

MEASURES DESCRIPTIVE OF FREQUENCY DISTRIBUTIONS OF UNWEIGHTED FIXED BASE RELATIVES OF COMMODITY PRICES AT WHOLESALE, IN THE UNITED STATES, 1913-19261

(Geometric and Logarithmic Measures)²

(1) Year	(2) Mean	(3) Median	(4) Stand- ard de- viation	(5) Coef- ficient of vari- ation	(6) Index of dis- persion ³	(7) \$1	(8) \$2	(9) Skew- ness	(10) Kurtosis	(11) K1	(12) _{K2}	(13) r	(14) Pear- sonian curve type
1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924	100.0 99.2 104.0 130.3 176.3 202.1 210.7 233.0 151.6 147.7 158.1 155.4	100.0 99.6 100.3 122.4 171.0 194.4 208.8 229.5 154.7 150.9 161.9	.0525 .1147 .1416 .1507 .1390 .1174 .1417 .1490 .1328 .1356	5.69 6.69 6.71 6.03 5.05 5.99 6.83 6.12 6.17	17.9 22.2 23.7 21.8 18.4 22.2 23.3 20.8 21.2 21.0	17.3358 13.8397 2.8356 1.6231 .0429 .1385 .5101 .7139	33.1633 23.6492 12.6623 11.2838 7.1791 5.5534 5.4174 6.5537 4.5713	1.4258 1.8914 .3536 .2415 .0396 .0887 —.2001 —.2071 —.2259	30.1633 20.6492 9.6623 8.2838 4.1791 2.5534 2.4174 3.5537 1.5713	8.3192 2207 10.8179 11.6984 8.2294 4.6914 3.3044 4.9656	8.4480 209.8989 .3814 .1758 .0047 .0248 .1358 .1363	—239.4525 4.8956 4.4420 4.4738 5.6464 7.0947	IV IV IV IV IV IV
1925 1926	161.3 154.7	164.9 156.0	.1200 .1249	5.43 5.70	18.8 19.0					1.4457 2.7194	.1167 .0747	11.7396 7.6856	

¹See footnote to Table XIX concerning the number of price quotations.

^{*}All measures in this table have been computed from the logarithms of relative prices. The averages and the indexes of dispersion given in the tables are the anti-logarithms of the corresponding logarithmic measures. The standard deviations and the coefficients of variation are given as derived directly from the logarithms. The criteria of curve type relate to the logarithmic distributions.

^{*}See page 257 for an explanation of the index of dispersion.

TABLE XXII

Measures Descriptive of Frequency Distributions of Weighted Fixed Base Relatives of Commodity Prices at Wholesale, in the United States, 1913-1926¹

(Geometric and Logarithmic Measures)²

(i) Year	(2) Mean	(3) Median	(4) Stand- ard de- viation	(5) Coef- ficient of vari- ation	(6) Index of dis- persion ^s	(7) βι	(8) β ₁	(9) Skew- ness	(10) Kurtosis	(11) Ki	(12) _{K2}	(13) r	(14) Pear- sonian curve type
1914 1915 1916 1917 1918 1919 1920 1921 1922 1923	100.0 97.9 98.6 124.6 172.2 192.2 205.2 225.3 146.6 147.8 155.8 152.3 159.4	100.0 99.7 98.2 118.4 170.8 189.2 205.2 223.6 151.5 152.3 161.2 153.3 162.3	.0473 .0809 .0935 .1288 .1160 .1101 .1382 .1499 .1336 .1372 .1337 .1043	4.06 4.46 5.76 5.08 4.76 5.87 6.92 6.16 6.26 6.13	12.6 14.6 20.1 18.1 17.8 21.6 23.5 21.0 21.0 16.3	3.7025 3.0788 .0899 .0205 .5279 1.3540 1.6704 3.3579 1.4547 2.5631	4.3698 5.0962 6.1388 9.3309 9.2122 13.2803 6.9868 11.4574	.3037 .3700 .0898 .0354 —.1792 .2429 —.2919 —.4004 —.3500 —.3517	19.2292 10.1573 1.3698 2.0962 3.1388 6.3309 6.2122 10.2803 3.9868 8.4574 1.5321	27.3508 11.0780 2.4697 4.1181 4.6940 8.5999 7.4132 10.4869 9.2256 2.8447	.1799 .2639 .4929 .4261	6.5668 3.8448 4.9170 7.9682 5.9383 5.8939 4.8677 5.1049 7.5336 5.1342 7.2956 5.7762	IV IV IV IV IV IV IV IV

See footnote to Table XIX concerning the number of price quotations.

²All the measures in this table have been computed from the logarithms of relative prices. The averages and the indexes of dispersion given in the table are the anti-logarithms of the corresponding logarithmic measures. The standard deviations and the coefficients of variation are given as derived directly from the logarithms. The criteria of curve type relate to the logarithmic distributions.

^{*}See page 257 for explanation of the index of dispersion.

TABLE XXIII

Measures Descriptive of Frequency Distributions of Unweighted Link Relatives of Commodity Prices at Wholesale, in the United States, 1913-19261

(Arithmetic Measures)

(1) Year	(2) Mean	(3) Chain index (from means)	(4) Median	(5) Chain index (from me- dians)	(6) Stand- ard devi- ation	(7) .6745 o M x100	(8) \$1	(9) #3	(10) Skew- ness	(11) Kur- tosis	(12) Ki	(13) _{K2}	(14) r	(15) Pear- sonian curve type
1917	108.7 127.6 138.0	100.0 100.0 108.7 138.7 191.4 224.0 240.3 274.2 184.9 183.4 197.9 196.9 207.1 199.6	100.0 99.6 101.5 119.8 135.0 116.8 106.5 109.9 67.9 94.9 106.8 98.9 102.7 97.1	100.0 99.6 101.2 121.2 163.6 191.1 203.5 223.6 151.8 144.1 153.9 152.1 156.2 151.7	13.06 41.75 32.07 26.63 23.16 25.93 27.88 17.32 19.50 15.59 14.25 16.20 10.84	8.8 25.9 17.0 13.3 16.3 16.5 17.3 19.7 9.7 10.4 7.6	67.0945 12.8927 .1928 .2063 2.1594 1.6047 .0510 2.2798 .8909 13.3939 12.4661	28.3436 4.6691 4.8084 12.8999 6.4206 2.8911 6.7267 8.1655 38.2291	14.1409 1.0164 .1277 .1285 .2746 .4428 — 1292 .6703 .7412 .8705	84.5590 25.3436 1.6691 1.8084 9.8999 3.4206 1089 3.7267 5.1655 35.2291 27.2420	-32.1655 12.0092 2.7598 2.9978 13.3216 2.02723708 6140 7.6585 30.2766	—28.7113 3.5299 .0568 .0563 .2270 .8416 —.1046 4.3767 .1209 1.6676 2.4119	7.5577 7.2093 4.3871	Iy IV IV IV IV IV VI VI VI VI VI VI VI

1The numbers of price quotations for the different years were as follows:

1913-1917: 391 1918-1919: 389 1920-1022: 391 1923-1924: 390 1925: 387 1926: 385

TABLE XXIV

MEASURES DESCRIPTIVE OF FREQUENCY DISTRIBUTIONS OF WEIGHTED LINK RELATIVES OF COMMODITY PRICES AT WHOLESALE, IN THE UNITED STATES, 1913-19261

(Arithmetic Measures)

(1) Year	(2) Mean	(3) Chain index (from means)	(4) Me- dian	(5) Chain index (from me- dians)	(6) Stand- ard devi- ation	(7) 6745 s M x100	(8) \$1	(9) B ₂	(10) Skew- ness	(11) Kur- tosis	(12) _{K1}	(13) _{K2}	(14) • r	(15) Pear- sonian curve type
1914 1915 1916 1917 1918 1919 1920 1921 1922 1923	100.0 98.3 102.4 128.4 140.9 113.7 108.5 113.1 67.5 102.6 106.2 98.2 107.3 95.4	98.3 100.6 129.2 182.1 207.0 224.7 254.1 171.5 175.9 186.9 183.5	100.0 99.3 99.2 120.4 138.9 114.9 107.3 109.2 65.9 98.5 104.1 97.0	100.0 99.3 98.5 118.6 164.8 189.4 203.2 221.8 146.1 144.0 151.0 148.0 154.1 149.5	10.28 21.29 30.86 25.63 22.77 19.24 27.16 17.97 19.45 17.34 12.05 22.19 12.07	7.1 14.0 16.2 12.3 13.5 12.0 16.2 18.0 12.8 11.0 8.3 13.9 8.5	.0572 106.3636 8.8848 .3344 .1528 1.0245 1.3927 .1777 2.3182 .2557 2.2712 11.7941 .0785	218.5702 21.8054 4.4861 4.9462 7.2402 6.2127 2.6842 6.9266 2.3434 19.4988 24.4515	7913 .1895 — .1049 .2462 .3966 .3571 .6446 1 .1423 .2265	215.5702 18.8054 1.4861 1.9462 4.2402 3.2127 —.3158 3.9266 6.6566 16.4988 21.4515	11.6520 112.0496 10.9564 1.9690 3.4340 5.4069 2.2473 —1.1647 .8986 —2.0803 26.1840 7.5207 3.8829	20.9847 2.0596 .1405 .0363 .1919 .6361 —.1208 3.0625 —.1019 .1542 4.7329	9.6040 6.6279 5.7878 10.1989 —7.7608 24.0935 —3.1371	IV IV IV IV IV IV IV IV

1See footnote to Table XXIII concerning the number of price quotations.

TABLE XXV

Measures Descriptive of Frequency Distributions of Unweighted Link Relatives of Commodity Prices at Wholesale, in the United States, 1891-1926¹

(Geometric and Logarithmic Measures)²

(1) Year	(2) Mean	(3) Chain index (from means) 1913= 100	(4) Me- dian	(5) Chain index (from me- dians) 1913=100	(6) Stand- ard devia- tion	(7) Coef- ficient of vari- ation	(8) Index of dis- per- sion ^s	(9) \$1	(10) \$2	(11) Skew- ness	(12) Kur- tosis	(13) KI	(14) K2	(15) r	(16) Pear- sonian curve type
1899 1900 1901 1902 1903 1904 1905	99.3 94.5 99.5 90.0 98.1 96.0 99.8 104.3 108.5 108.4 98.8 104.2 100.2 99.2 101.9 105.5	78.9 85.5 84.5 88.1 88.3 87.5 89.2 94.1	99.2 95.8 98.8 90.9 98.5 99.9 102.5 105.4 107.5 98.7 103.2 101.4 99.9 101.4 105.5 104.6	90.0 86.2 85.2 77.4 75.9 74.6 76.5 80.6 85.5 89.5 89.5 89.5 99.9	.0565 .0487 .0529 .0500 .0580 .0624 .0666 .0504 .0663 .0524 .0559 .0493 .0550 .0435 .0465	2.83 2.47 2.65 2.56 2.91 3.15 3.33 2.50 3.25 2.58 2.77 2.46 2.17 2.30 2.32	8.8 7.6 8.3 7.8 9.0 10.4 7.8 10.3 8.5 7.7 8.6 6.8 7.4	. 4073	6.0188 5.6271 4.5092 6.1970 6.4565 8.1813 6.2628 4.3841 4.4468 6.0266 4.4075 5.4252 10.5852	.2484 — .1206 .0703 — .2644 — .0507 .1862 .8029 .0393 .2734 .0812 — .2584 — .0996 .1960 — .1589	3.0188 2.6271 1.5092 3.1970 3.4565 5.3909 1.1813 3.2628 1.3841 1.4468 3.0266 1.4075 2.4252 7.5852 2.8378	3.7752 3.0798 2.5295 6.0746 4.0324 10.5315 1.5198 2856 2.7125 1.2762 5.6518 1.3332	.1862 .2154 .0517 .0152 .2320 .0077 .1501 .—9.3488 .0053 .3622 .0203 .3147 .0316 .1156	7.4444 -13.6699 5.1942 13.1122 5.8670	IV IV IV IV IV IV IV IV IV IV IV IV

The numbers of price quotations for the different years were as follows:

1891-1902: 195 1920-1922: 391 1902-1913: 205 1923-1924: 390 1913-1917: 391 1925: 387 1918-1919: 389 1926: 385

²All the measures in this table have been computed from the logarithms of relative prices. The averages and the indexes of dispersion given in the table are the anti-logarithms of the corresponding logarithmic measures. The standard deviations and the coefficients of variation are given as derived directly from the logarithms. The criteria of curve type relate to the logarithmic distributions.

3See page 257 for an explanation of the index of dispersion,

TABLE	XXV	(Cont.)
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(1) Year	(2) Mean	(3) Chain index (from means) 1913= 100	(4) Me- dian	(5) Chain index (from me- dians) 1913=100	(6) Stand- ard devia- tion	(7) Coef- ficient of vari- ation	(8) Index of dis- per- sion ³	(9) \$1	$egin{pmatrix} (10) \\ eta_2 \end{pmatrix}$	(11) Skew- ness	(12) Kur- tosis	(13) _{κ1}	(14) _{K2}	(15) r	(16) Pear- sonian curve type
1908	93.0	92.4	95.1	95.0	.0586	2.98	9.1	. 1308			.9465			11.2580	
1909	102.6	94.8	101.3	96.2	.0458	2.28	$\frac{7.2}{7.4}$	1.8119		. 3254		6.3538	. 3346	$\frac{5.7441}{4.9509}$	IV IV
1910 1911	103.9	98.5 96.2	102.0 98.1	98.1 96.2	$0.0470 \\ 0.0598$	2.33 3.01	$\frac{7.4}{9.3}$.0644 .7588	$6.2217 \\ 8.4300$	1741			.0009	4.6632	
1911	103.8	99.9	102.9	99.0	.0479	2.37	7.4	.5280		.1916		3.9203	.1204	6.4650	
1913	100.1	100.0	100.9	100.0	.0516	2.58	8.0	.9818		2557		4.5769	.2120	6.2654	
1914	99.2	99.2	99.6	99.6	.0525	2.63	8.2		10.4054			12.0077	.0901	4,2328	
1915	105.4	104.5	101.6	101.2	.0961	4.75	15.0		24.8536			14 5445	1.8452	5,8301	
1916	124.7	130.2	120.0	121 4	.0884	4.22	13.8	2.0440	7.4567	4666			.8477	9.5187	
1917	135.4	176.3	134.9	163.8	.0881	4.13	13.8	. 7337		1954	4.1119		.1186	5.3579	
1918	114.8	202.5	117,2	192.0	.0888	4.31	13.9	.4165				3.4700	. 1039	6.8183	
1919	104.2		106.6	204.8	.1060	5.25	16.6	7416						4.6806	
1920	111.0	234.3	110.3	225.7	.1005	4.91	15.7	.0174	4.0003	.0424	1.0003	1.9483	.0069	9.1858	
1921	65.2	152.8	67.9	153.2	.1167	6.43	18.3	. 2850		2861		2124	-1.0782	-57.5194	
1922	97.5	149.0	95.0	145.5	.0791	3.98	12.4	. 4846			1.2973			14 7917	
1923	107.0	159.4 157.0	106.9	155.5 153.7	.0612	3.02	9.6 8.7	.0000	5.0080 11.8912			$\begin{bmatrix} 4.0159 \\ 14.0577 \end{bmatrix}$.0000 .1117	5,9881 4,1186	
1924 1925	98.5	163.8	$\frac{98.9}{102.7}$	157.8	.0563 .0577	$\frac{2.82}{2.86}$	9.6		9.8818		6.8818		.3800	5,5687	
1925	95.7	156.8	97.1	153.2	.0496	2.51	7.7	. 2903					.0318	4.4672	
1720	75.7	1.0.0	10.1	100,2	.0170	4.01	\ '`'	. 4,700	,.021,	. 1040	1.021]	,,,,,	*****	- '

TABLE XXVI

MEASURES DESCRIPTIVE OF FREQUENCY DISTRIBUTIONS OF WRIGHTED LINK RELATIVES OF COMMODITY PRICES AT WHOLEBALE, IN THE UNITED STATES, 1891-19261

(Geometric and Logarithmic Measures)*

Year	(2) Mean	(3) Chain index (from means) 1913= 100	(4) Mo- dian	(5) Chain index (from me- dians) 1913=100	(6) Stand- ard devia- tion	(7) Coef- ficient of vari- ation	(8) Index of dis- per- sion	(9) #1	(10) \$1	(11) Skew- ness	(12) Kur- tosis	(13) *I	(14) Ka	(15) r	(16) Pear- sonian surve type
1899 1900 1901 1902	100.0 93.8 101.8 89.8 101.3 95.3 100.6 102.6 107.1 108.5 99.2 107.3 100.8 99.6 100.6 103.6 106.4 96.0	72.7 78.9 78.3 83.9 84.7 84.3 84.7	100.7 94.1 101.1 89.5 101.0 97.4 100.8 101.9 105.7 99.2 106.2 102.2 101.0 100.5 103.4 106.2 97.8	81.4 76.6 77.5 69.3 70.1 68.2 68.8 70.1 74.2 78.4 77.8 82.6 84.5 85.3 85.7 88.6 94.1	.0676 .0467 .0530 .0510 .0627 .0627 .0621 .0497 .0571 .0539 .0510 .0549 .0559 .0657 .0470 .0493 .0363 .0363	3.38 2.37 2.64 2.61 3.13 3.17 3.10 2.47 3.30 2.65 2.55 2.70 2.95 3.29 2.35 2.45 1.79 2.80	10.63 8.39 9.88 9.7 7.7.5 10.5 8.62 10.22 7.4 7.77 5.77	.0566 .1854 .6744 .4334 1.0229 .9831 .3634 .0011 1.2351 .4769 .3115 .0152 .1808 .2298 1.4629 .2336 .0001 .4811	4.7137 5.0324 4.4586 5.8938 6.3465 5.7592 3.5917 6.2151 3.3912 3.5912 4.0615 9.7871 4.0615 9.7873 7.5383	1234 2722 2296 3138 2753 1499 0121 3492 4331 2176 0305 3231 1705 2482 3029	1.7137 2.0324 1.4586 2.8938 3.3465 2.7592 .5917 3.2151 .3912 .9584 2.0909 2229 1.0615 6.7878 .0448 4.5383	2.0415 1.6172 2.7188 3.7436 4.4281 1.1802 2.7250 — 6482 4.1362 — .9882 1.4337 9.1870 — .6112 9.0763	.0525 .2943 .2254 .3628 .2556 .0717 .0007 .4548 —.6192 .2577 .0030 —.1445 .1284 .1873 .3041	9.8691 11.2243 8.5425 6.9934 5.9562 13.1706 8.7635 —17.7202 16.1687 5.9122 —9.6924 11.8511 4.7839 —17.7861	IV IV IV IV IV IV IV IV IV IV IV

See footnote to Table XXV concerning the number of price quotations.

All the measures in this table have been computed from the logarithms of relative prices. The averages and the indexes of dispersion given in the table are the anti-logarithms of the corresponding logarithmic measures. The standard deviations and the coefficients of variation are given as derived directly from the logarithms. The criteria of curve type relate to the logarithmic distributions.

^{*}See page 257 for an explanation of the index of dispersion.

(1) Year	(2) Mean	(3) Chain index (from means) 1913= 100	(4) Me- dian	(5) Chain index (from me- dians) 1913=100	(6) Stand- ard devia- tion	(7) Coef- ficient of vari- ation	(8) Index of dis- per- sion ³	(9) βι	(10) \$2	(11) Skew- ness	(12) Kur- tosis	(13) ĸ:	(14) K2	(15) r	(16) Pear- sonian curve type
1910 1911 1912 1913 1914 1915 1916 1917 1918 1919	106.1 102.9 94.5 106.8 101.1 97.9 101.1 125.8 138.6 111.7 106.8 110.2 65.4 101.0 105.0 97.4 105.8 94.5	92.6 98.9 100.0 97.9 98.9 124.5 172.6 192.8 205.9 226.9 148.4 149.9 157.4 153.3	104.0 101.8 95.3 106.8 100.9 99.7 99.2 120.8 139.2 115.3 107.4 109.5 66.2 98.6 104.9 98.8 104.2 97.1	95.7 97.3 92.8 99.1 100.0 99.7 98.9 119.5 166.3 191.7 205.9 225.5 149.3 147.2 154.4 152.5 158.9 154.3	.0487 .0507 .0560 .0467 .0539 .0473 .0676 .0876 .0792 .0911 .0763 .1004 .1170 .0753 .0754	2.40 2.52 2.83 2.30 2.69 2.38 3.37 4.17 3.70 4.45 3.76 4.92 6.45 3.76 3.48 2.66 3.64 2.91	7.6 7.9 8.7 7.3 8.4 10.6 13.7 12.4 14.2 15.7 18.3 11.7 18.3 11.5 8.9	.3440 .1084 .0026 .4060 3.7787	4.8460 10.4929 3.6700 5.9896 5.4619 20.2149 5.9061 3.7486 4.3688 8.1564 3.3982 2.6504 4.1460 3.1044 6.7662 9.0919		6700 2.9896 2.4619 17.2149 2.9061 .7486 1.3688 5.1564 .3982 —.3496 1.1460 1.044 3.7662 6.0919	3 .6021 13 .9538 1 .0148 5 .9712 3 .7058 23 .0936 .5847 1 .4055 1 .6914 9 .6431 .7591 — .8425 .7010 .2063 7 .5229 6 .3518	.0064 .0274 .0828 .0004 .0951 .3171 3.2122 .0166 .1704 .0225 .0124	10.7070 6.3563 3.9339 15.1451 5.0110 6.5668 4.0105 32.4641 11.6032 10.7134 4.3139 18.8577 —11.4137 22.3876 61.1897 4.5964 5.8074 14.6286	IV IV IV IV IV IV IV IV IV IV IV IV IV I

XXVI (Cont.)

TABLE XXVII

Measures Descriptive of Frequency Distributions of Unweighted Fixed Base Relatives of Commodity Prices at Wholesale, in the United States, 1903—1926¹

(Arithmetic Measures) 1891=100

(1) Year	(2) Mean	(3) Median	(4) Stand- ard devia- tion	(5) .6745 o M x100	(6) β ₁	(7) β1	(8) Skewness	(9) Kurtosis	(10) K1	(11) %2	(12) r	(13) Pear- sonian curve , type
1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919	104.0 102.6 104.6 110.3 117.0 108.5 112.0 115.4 120.1 119.8 119.2 124.1 155.5 216.0 253.2 258.7 295.3	100.9 100.3 103.2 107.3 114.8 105.6 109.2 111.0 113.6 114.1 112.4 118.6 143.9 200.2 238.4 244.5 252.5 177.6	26.22 25.10 26.16 29.76 33.91 29.60 32.10 39.81 42.49 44.10 44.08 42.36 46.75 64.31 109.63 120.24 110.16 132.74 83.95	17.0 16.5 16.9 18.2 19.5 18.4 19.3 22.9 24.8 24.8 24.8 24.0 25.4 27.9 34.2 32.0 28.7 30.3 29.3	2.5011 1.8897 .8634 1.7475 1.8942 2.2482 1.0455 3.1718 12.1065 9.8374 4.2904 3.6061 3.3221 5.1349 29.2321 11.6566 4.6364 3.1561 1.0920	9 9038 9 6145 6 6540 7 5671 8 4826 9 6893 6 3106 10 0987 26 3044 21 5830 11 0411 10 2384 10 8788 13 2176 53 2613 27 0493 14 1600 9 3541 4 3891	.3126 .2349 .3806 .3584 .3665 .2924 .5192 1.0220 .7106 .6115 .4968 .6992 1.8567 .9110 .5437 .5826 .6039	6.6145 3.6540 4.5671 5.4826 6.6893 3.3106 7.0987 23.3044 18.5830 8.0411 7.2384 7.8788 10.2176 50.2613 24.0493 11.1600 6.3541 1.3891	6.3043 7.5599 4.7178 3.8917 5.2826 6.6340 3.4847 4.6820 10.2893 7.6538 3.2110 3.6585 5.7913 5.0305 12.8263 13.1288 8.4108 8.4108	.3033 .1775 .5009 .4184 .4261 .29410 .3.6663 3.4175 2.1045 1.4331 .8234 1.7914 14.3879 2.7370 .9497 1.3299 —2.0968	6.0936 5.3372 6.0926 7.4306 6.3473 5.8255 7.3437 7.5953 7.6961 8.4237 10.7456 9.2371 6.7930 8.4477 10.7728 6.5776 6.0805 9.6262	IV IV IV IV IV IV VI VI VI VI VI VI VI V
1922 1923 192 4 1925 1926	192.1 202.2 200.3 209.2 201.5	183.1 190.5 189.1 193.3 185.1	77.08 83.14 80.59 89.82 94.26	27.1 27.7 27.1 28.9 31.5	.8661 .8765 1.1941 3.8446 5.6250	4.2300 3.9137 5.0759 11.1334 14.3688	.4838 .6095 .4788 .5871	1.2300 .9137 2.0759 8.1334		-1.0025 2.0445 1.2292	102.5553 15.2390 30.3614 7.9723 7.9253	VI VI

¹See Table XIX for measures descriptive of these distributions for the period 1892-1902.

