Dhananjayarao Gadgil Library
GIPE-PUNE-023867

Commodity Exchange and Futures Trading

## **Commodity Exchanges**

AND

# **Futures Trading**

PRINCIPLES AND OPERATING METHODS

Julius B. Baer

end

Olin Glenn Saxon

PROFESSOR OF ECONOMICS
YALS UNIVERSITY

HARPER & BROTHERS ~ PUBLISHERS

Signited by-DECCAN BOOK STALL POONA 4

# COMMODITY EXCHANGES AND FUTURES TRADING Copyright, 1929, 1935, 1949, by Harper & Brothers Printed in the United States of America

All rights in this book are reserved. No part of the book may be reproduced in any manner whatsoever without written permission except in the case of brief quotations embodied in critical articles and reviews. For information address Harper & Brothers.

L-X

X:51 H9 23867

This book was published in a smaller edition in 1929 under the title COMMODITY EXCHANGES by Julius B.

Baer and George P. Woodruff

#### Contents

Preface

X

#### HISTORICAL DEVELOPMENT OF COMMODITY EXCHANGES

Ancient Markets—Markets in the Dark Ages—The Medieval Fairs—Merchant Associations—The "Law Merchant"—Courts of the Fair—The "Law Merchant" Becomes the Common Law in the United States—Development of the Modern Commodity Market—Organized Commodity Markets—Not All Commodity Markets Have Exchanges—Organization of Markets before Exchanges—Brokers—Commission Agents—Dealers—Risk Bearing—Risks of Commodity Dealers—The Market Risk of the Dealer—Credit Risks of Dealers—Other Risks of Dealers—Major Defect in the Physical Markets Which Operate without Exchanges—The Growing Need for Exchange Services in All Commodity Markets—Producers' Associations—Dealers' Trade Associations—Establishment of Self-Regulation by Dealers' Trade Associations—Arbitration of Disputes—Standardization of Contracts—Standardization of Qualities or Grades

II THE ECONOMIC FUNCTIONS OF COMMODITY EXCHANGES

27

The Exchange Market—Place of the Commodity Exchange in Distribution—The Risks of Modern Industrial Society—The Exchange Market as a Guarantor of Deliveries (at Contract Time) and of Payments for Deliveries (at Contract Price)—Exchanges Make Commodities Liquid—Profit Margins in Distribution Are Reduced—Exchanges Expedite Marketing—Exchanges Form a World Market—Exchanges Level Prices between Markets—Buyers May Anticipate Requirements—Continuous Prices a Factor in Fair Dealing—Does the Exchange Stabilize Prices?—Price Movements Discount the Future—The Exchange as a Source of Trade Information—Exchanges Regulate Speculation—Exchanges Promote Uniformity in the Trade—Exchanges as Regulators of Consumption

٧

## VIII SPECULATION—A CONSTRUCTIVE ECONOMIC ACTIVITY ON COMMODITY EXCHANGES

51

The Function of Organized Speculation in the Distribution of Staples—Without Organized Speculation Exchange Markets Could Not Function—Attacks on Speculation—Defenses of Speculation—Speculation and Gambling—Does Speculation Make for Lower Prices?—Phases of the Contention that Speculation Lowers Prices?—Does Speculation Steady Prices?—Exchange Trading Levels Prices between Markets—The Speculator's Assumption of Risk—Speculators Provide a Broad Market—Large Volume of Transactions on Exchanges—Short Selling—Regulation of Speculation

#### IV GRADING, STANDARDIZATION, AND INSPECTION

86

Advantages of Inspection and Grading-Establishment of Standard Grades and Methods of Classification-Standards in the Cotton Trade-Inspection and Grading in the Grain Trade-Standards in the Rubber Trade-Sampling-Grading-Warehousing

### V PUBLICITY OF PRICES, CROP AND MARKET REPORTS, AND OTHER STATISTICS

96

Importance of Reports and Statistics—The Importance of Widespread Publication of Prices—Sources of Information—Reports Issued—Daily Report of the New York Cotton Exchange—Daily Market Report of the New York Coffee and Sugar Exchange—Crop Statistics in the Grain Trade—Annual Reports—Prompt and Widespread Publication of Prices—Control of Quotations—Newspaper Reports—Market Letters—Regulation of Consumption

#### √VI COMMODITIES ADAPTABLE TO FUTURES TRADING

110

Units Must Be Homogeneous—The Commodity Must Be Susceptible of Standardization of Grades—Supply and Demand Must Be Large—The Supply Must Flow Naturally to Market—Supply and Demand Must Be Uncertain—The Commodity Must Not Be Perishable—Commodities in Which Exchange Trading Is Conducted—Commodities Not Adapted to Futures Trading—Commodities Which Might Be Adapted to Futures Trading—The Metals—Iron—Other Commodities—Wool—Petroleum—Coal—Conclusions

#### VII THE FUTURES OR EXCHANGE CONTRACT

126

Physical (Cash or Spot) Markets and Futures Markets-Development of the Futures or Exchange Contract-Origin of the Contents vii

Futures or Exchange Contract—A Futures Contract Defined—The Form of the Futures Contract—Characteristics of the Futures Contract—Reasons for a Basis Contract—Considerations in Establishing Grades—Grades Deliverable on Commodity Exchanges—Differentials—Unit of Trading—Price Decimals—The Delivery Months—Delivery at Seller's Option—Warehouse Receipts

VIII ORGANIZATION AND OPERATION OF A COMMODITY EXCHANGE

Ancient Markets and Modern Exchanges—Cash Markets and Futures Markets—Organization of Exchanges—Objectives—Membership—Seats—Dues—Government—The Secretary—Committees—The Arbitration Committee—Arbitration of Controversies—Arbitration of Grade or Quality Disputes—Discipline—Business Conduct Committee—Supervisory Committee—Floor Committee—Quotations Committee—Committee on Commissions—Committee on Information and Statistics—Grading and Warehousing Committee—Other Committees—The Exchange and Its Facilities—The Trading Ring—Reporting Trades—Telephone Booths—Hours of Trading—Limitation on Daily Price Fluctuations—Statistical Information—Standard Contract—Price Quotations—Trading Months—Calls—Trading Rules—Commissions—Members on the Floor—Contract Slips

Direct and Ring Settlements of Contracts—Functions of the Modern Commodity Clearing House—Organization of a Clearing Association—Reporting to the Clearing House—Original Margin Requirements—Variation or Market-Difference Margins—Margin Requirements Imposed on Customers of Exchange Members—Protection of Customers' Accounts—Clearance Fees and the Surplus—Careful Provision against Loss—Security of the Clearing House—An Efficient Medium of Delivery—Limitation of Interest—Confidential Relationship of

the Clearing House and Its Members-Summary

X A TYPICAL TRANSACTION ON THE EXCHANGE

The Course of a Speculative Transaction—What Brown Sold—Confirming the Sale—Clearing the Trade—Brown's Margin with L. & Co.—Confirmation of Purchase—Confirmation of Sale—Commissions—Variation Margins—Switching—Brown's Trade Closed—A Protective Sale—The Central Market Place

XI HEDGING

Risks of Dealer and Manufacturer-Eliminating the RiskOperation of the Hedge-Object of the Hedge-Classes of

197

188

viii

#### Contents

Hedges—The Degree of Protection—Correlation between Prices of Raw Material and Manufactured Goods—Shifting the Hedge—Hedging Applies Only to Balances—Selecting the Market—Choice of the Month—Practice Regarding Delivery on Hedges—Hedging by Transactions in Other Commodities—Hedging as an Aid in Financing—Relation of Spot and Future Prices—Credit Insurance through Hedging—The Work of the Arbitrageur—Summary

#### XII HEDGING IN PRACTICE

219

Discounts on Distant Months—Changes in Basis Weaken the Hedge as Insurance Protection—Effect of Change in Basis upon the Hedge—Hedging in the Grain Trade—Reasons for Spot Selling above Futures in the Grain Trade—Hedging by Terminal Elevators—Users of the Buying Hedge—Hedging by Producers—Markets Used for Hedging Grains—Summary of Hedging in the Grain Trade—Hedging in the Cotton Trade—Hedging in the Sugar Industry—Hedging in the Coffee Trade—Hedging in the Rubber Trade—Hedging in Cottonseed Oil—Hedging by Custom Copper Smelters—Hedging by a Fabricator—Hedging by a Miner—Summary

#### XIII THE COMMODITY EXCHANGE ACT

251

Contract Markets—Co-operative Associations—Registration of Futures Commission Merchants and Floor Brokers—Protection of Customers' Margin Moneys—Limitations on Trading—Hedges Exempted—Unlawful Transactions and Practices—Accidental Omissions, Exceptions—Wash Sales, Cross Trades, Privileges, etc.—Permissive Ex-Ring or Ex-Pit Transactions—Bucket Shops, Misrepresentation—Provisions of Law Affecting Non-Members of Commodity Exchanges—Penalties and Procedure—Proceedings before the Commodity Exchange Commission—Proceedings before the Secretary of Agriculture—Criminal Offenses—General Powers of Secretary of Agriculture

## XIV THE LAW OF COMMODITY EXCHANGES—RELATIONS WITH THE STATE—RELATIONS WITH MEMBERS

266

Legal Nature of the Organization—Control over Membership—Corporate Powers—The Dissolution of Exchanges—Commodity Exchanges and the State—Power to Regulate Trading—Legality of By-laws and Rules—Contract of Membership—The Admission of Members—Suspension and Expulsion—Disciplinary Proceedings—Right of Appeal to the Courts—Nature of a Membership—Bankruptcy of a Member—Attachment and Execution—Transfer, Pledge, and Assignment—Taxation—The Exchange's Control of Its Quotations

	Contents	ix
χv	THE LEGALITY OF CLEARING HOUSE OPERATIONS	297
(VI	THE EXCHANGE AND THIRD PARTIES  Legal Relations between Member and Customer-Broker and Customer	301
	TABLE OF CASES	311
	BIBLIOGRAPHY	315
	INDEX	319

#### Preface

The publication of this book with its comprehensive descriptions of the development, functions, and operating methods of Commodity Exchanges is most timely. Since the organization of the first Commodity Exchange shortly after the Civil War, these Exchanges have been the scapegoats of producers, consumers, and politicians. They have been held responsible both for inflation and for deflation. At the peak of every inflationary spiral, the Exchanges and speculative operations thereon are blamed for high prices. At the bottom of every deflationary period, they are charged with the responsibility for low prices.

Congressional Committees have from time to time held extensive investigations and public hearings with respect to these Exchanges. Recent activities in this field (in 1947 and 1948) have centered mainly around the grain Exchanges because of prevailing high prices of wheat, corn, and other cereals on both domestic and foreign markets. Yet, when one examines the facts objectively, it appears that only in the United States today do free markets, responsive to economic forces, prevail in grains and most other staple commodities. Since early in World War II there has been no free market for wheat in Canada where the Dominion Government has been the exclusive buyer at fixed prices of all wheat for export, selling it to the British Government on long term contracts at prices determined by the two governments. Likewise, the Argentine Government has become the exclusive buyer and seller of all wheat and many other products for export. In 1947, as a consequence, the Argentine Government was selling wheat at the equivalent of \$4 to \$5 per bushel and Canada, on a long-term five year contract, was exporting wheat to England at \$1.80 per bushel, while the United States, the only free market, was shipping wheat to Europe at prices ranging from \$2.40 to \$3.20 per bushel. In other words, the Argentine farmer is forced to sell at low, arbitrary prices wheat which his government sells abroad at exorbitant profits, possible only in a starving world. Meanwhile in Canada, where

Preface xi

the government, with the wheat exchanges suspended, sold its farmers' wheat crops short over a five year period at fixed prices, the farmer receives prices 50 to 60% below those prevailing on the free markets in the United States. In fact, Canada is engaged in the most gigantic commodity speculation in history and has caused losses of billions of dollars to its farmers. In the United States, on the other hand, the grain Exchanges, operating freely, have maintained the only undominated markets for cereals in the entire world during and since World War II. While prices have risen sharply as a consequence of extraordinary war demand, drastically disrupted production and transportation facilities, and short post-war crops in Europe, they have not been arbitrarily fixed by government. On the contrary, prices have been established solely through the interaction of economic forces, the prevailing supply and demand on uncontrolled markets where merchants, producers, converters, consumers, and speculators have been free to sell or buy at will under federal regulation to prevent abuses and unfair practices. The results have been free prices, fair to both producer and consumer in light of all existing circumstances.

In a world in which private trading is rapidly being replaced by State trading in all basic international staples, it is not too much to say that free commodity markets, properly regulated by government to prevent abuses, are the symbols of free societies. With many nations of the world now accepting State Socialism in some form, it is highly important that the people of the United States realize that State Socialism, whether Communist, Fascist, or Socialist, means the destruction of free markets and their replacement by governmental buying and selling monopolies—i.e., exclusive State trading such as is now being practiced not only in Communist countries, but also in England and various South American and European nations.

Commodity Exchanges not only are vital to a free economy, but they serve a much more important function than do Stock Exchanges. The latter are vital to the economic stability of a free society because they give liquidity to the billions of dollars of stocks and bonds that represent the capital investments of the American people in the nation's productive and distributive machinery upon which depend the general welfare, prosperity, and living standards of all the people. The Commodity Exchanges, however, not only provide constant liquidity for the basic staple commodities traded upon these Exchanges, but they also perform other vital economic functions which are not served by Stock Exchanges.

Both the state and federal governments are vitally interested in the regulation of Commodity Exchanges to prevent unfair trade practices and other potential abuses contrary to the public interest.

This book is not a trade manual or hand-book of technical terms: nor

xii Preface

is it an extensive analytical or theoretical treatise on the economic functions of the Commodity Exchange. Rather its primary purpose is to supply a simple, clear analysis of the economic functions, the methods of operation, the trading practices, and the regulation of these Exchanges by the Exchanges themselves and by the federal government. The objective of the authors has been to produce a book which will be useful to students in college courses on Marketing and, at the same time, meet the needs of the ever-growing users of the Exchanges—the producers, merchants, brokers, dealers, commission agents, converters, farm cooperatives, and traders, who are availing themselves of the Exchange facilities more extensively from year to year.

The authors are greatly indebted to Mr. George P. Woodruff, a member of the New Jersey Bar, who collaborated with Mr. Baer in the authorship of "Commodity Exchanges," first published in 1929 by Harper & Brothers, with several subsequent editions.

The authors owe a personal debt to John C. Gardner, President, New York Coffee & Sugar Exchange and Vice President, Lowry & Co.; J. A. Higgons, Jr., Former Executive Vice President, National Association of Commodity Exchanges and Allied Trades, Inc.; C. E. Huntting, Vice President, F. H. Peavey & Company; Jerome Lewine, former President, Commodity Exchange, Inc., Partner of H. Hentz & Co.; Evan S. Linstrom, Bache & Co.; H. E. Luedicke, Commodity Editor of The Journal of Commerce, New York City; J. O. McClintock, Executive Vice President, Board of Trade of the City of Chicago; Donald Marks, Esq., Partner of Baer & Marks, attorneys for Commodity Exchange, Inc.; Gustave I. Tolson, former President, New York Cotton Exchange, Partner of Geo. H. McFadden & Bro., and Richard F. Uhlmann, President, Board of Trade of the City of Chicago and President, Uhlmann Grain Co., for their review of all or part of the manuscript, and their many helpful suggestions.

Special thanks are also due to Phelan Beale, Esq., Counsel, New York Cotton Exchange; J. A. S. Dunn, Treasurer-Secretary, New York Coffee & Sugar Clearing Associations, Inc.; M. F. Faber, Treasurer-Secretary of Clearing Associations operating in conjunction with Commodity Exchange, Inc.; Henry J. Fink, Secretary of Commodity Exchange, Inc.; and Alex B. Tatistcheff, Former Economist and Statistician Commodity Exchange, Inc., who have read parts of the manuscript and made valuable suggestions.

Julius B. Baer Olin Glenn Saxon

#### Bibliography

The literature of Commodity Exchanges is not extensive. In preparation of this bibliography, the authors have included those books and official publications which they have found of especial value either for their clear and analytical expositions of different phases of the work of the exchanges or for the valuable statistical data contained therein.

#### Official Publications

- Report of the Commissioner of Corporations on the Cotton Exchanges. Washington, 1909.
- Report of the Federal Trade Commission on The Grain Trade (Seven Volumes). Washington, 1920-1926.
- The Cotton Trade, Senate Document No. 100, 68th Congress, First Session,
- Cotton Prices and Markets, A. B. Cox. U.S. Department of Agriculture, Bulletin No. 1444, Washington, 1926.
- Services in Cotton Marketing, A. B. Cox. U. S. Department of Agriculture, Bulletin No. 1445, Washington, 1926.
- Fluctuations in Wheat Futures, Senate Document 135, 69th Congress, First Session.
- Report on The Winnipeg Grain Exchange, submitted to the Royal Grain Inquiry Commission by the Exchange, 1921.
- Report of the Federal Trade Commission on Wheat Prices, Washington, 1920. Factors Affecting the Price of Cotton, B. B. Smith. U.S. Department of Agriculture, Bulletin No. 50, Washington, 1928.
- The Silver Market, H. M. Bratter. U.S. Department of Commerce, T.I.B. 682, Washington, 1930.
- Cotton Conditions. Hearings before the Sub-Committee of the Committee on Agriculture, U.S. Senate, 71st Congress, Second Session, 1930.
- Hearings Before the Committee on Agriculture, U.S. Senate, 74th Congress, Second Session, 1936.
- Trading in Cotton Futures, G. W. Hoffman. U.S. Department of Agriculture, Bulletin No. 199, Washington, 1930.

- Report of the Administrator of the Commodity Exchange Authority. U.S. Department of Agriculture, Washington, 1947.
- Report of the Royal Grain Inquiry Commission. Dominion of Canada, Ottawa, 1925.
- Report of the Commission to Inquire into Trading in Grain Futures. Dominion of Canada, Ottawa, 1931.
- Evidence and Proceedings Before the Commission to Inquire into Trading in Grain Futures. The Grain Trade News, Winnipeg, 1931.
- Report of the Royal Grain Inquiry Commission. Dominion of Canada, Ottawa, 1938.
- Hearings Before the Joint Committee on the Economic Report-80th Congress, First Session, Nov. 21-Dec. 10, 1948.

#### Private Publications

- Speculation on the Stock and Produce Exchanges in the United States, by H. C. Emery. Columbia University, New York, 1896.
- American Produce Exchange Markets. American Academy of Political and Social Science, Volume XXXVIII, Philadelphia, 1911.
- The Functions of Legitimate Exchanges. Hartzell & Lord, Chicago, 1910.
- The Value of Organized Speculation, by H. H. Brace. Houghton Mifflin Co., Boston, 1913.
- The Cotton Manufacturing Industry in the United States, by M. T. Copeland. Harvard University Press, Cambridge, 1912.
- The Law of Commercial Exchanges, by C. A. Legg. Baker, Voorhis Co., 1913.
- The Stock and Produce Exchanges, by A. W. Atwood. Alexander Hamilton Institute, 1927.
- Speculation and the Chicago Board of Trade, by J. E. Boyle. The MacMillan Co., New York, 1921.
- Organized Produce Markets, by J. G. Smith. Longmans, Green & Co., London, 1922.
- The Work of the Stock Exchange. Ronald Press, New York, 1922.
- Risk and Risk Bearings, by C. O. Hardy. University of Chicago Press, Chicago,
- The Marketing of Farm Products, by L. D. H. Weld. The MacMillan Co., New York, 1924.
- Marketing of Metals and Minerals, Spurr and Wormser. New York, 1925.
- The Wheat Pit, by E. J. Dies. The Argyle Press, Chicago, 1925.
- 'Cotton and the Cotton Market, by W. H. Hubbard. D. Appleton & Co., New York, 1927.
- The Exchanges of London, by S. W. Dowling. Butterworth, London, 1928.
- History of the Chicago Board of Trade, by C. H. Taylor.
- Interrelationships of Supply and Price, G. F. Warren and F. A. Pearson. Cornell University Agricultural Experiment Station, Ithaca, 1928.
- A Study of Cotton Hedging for a Grey Goods Mill, Bulletin No. 70, Bureau of Business Research, Harvard University Press, 1928.

- Hedging Cotton, by Reavis Cox. The New York Journal of Commerce, 1929.
- A Wool Futures Exchange Its Possibility and Advisability, by A. B. Koenig. Philadelphia, 1930.
- Organized Commodity Markets. "The Annals," The American Academy of Political and Social Science, Philadelphia, May, 1931.
- Speculation, Short Selling, and the Price of Wheat. Wheat Studies of the Food Research Institute, Vol. VII, No. 4, Leland Stanford University, California, 1931.
- Futures Trading, by G. W. Hoffman. University of Pennsylvania Press, Philadelphia, 1932.
- Trading in Futures, Its Aims, Functions, and Legal Treatment. International Chamber of Commerce, Brochure No. 81, Paris, 1933.
- The Marketing of Cotton, by J. A. Todd. Sir Isaac Pitman & Sons, Ltd., London, 1934.
- Cotton Goes to Market, by A. H. Garside. F. A. Stokes & Co., New York, 1935.
- Wool and the Wool Trade, by A. H. Garside. F. A. Stokes & Co., New York, 1939.
- Marketing Farm Products, by G. S. Shepherd. Iowa State College Press, Ames, Iowa, 1946.

#### Index

Adams, T. S., n., 69 Anderson, Clayton and Company, 202 Arbitrage, 72, 106, 209, 215ff. Arbitrageur, defined, 41£ Attachment, defined, 288 Atwood, Albert W., n., 167 Bankruptcy Act, 284ff. Barter, defined, 5 Basis contract, 158 described, 135 reasons for, 136 see also Exchange contract Basis (Standard) grade defined, 25 characteristics of, 136f. see also Grades Bears ("short" sellers), described, 74L Beaulieu, Paul Leroy, n., 70 Board of trade, defined, 252 Board of Trade of the City of Chicago, the, 11, 74, 119, 146 development of, 10, 130f., 144 statistics on prices, 68L speculation on, 79 as publisher of marketing information, 106 official trading unit of, 140 on arbitration of disputes, 148 limitation of price fluctuations by, 157 trading months on, 159 grain trade on, 210 quotations by, 292, 293f. Boyle, James E., on speculation, 69, 71f., 74 Brace, H. H., on speculation, 67 Bright, E. G., on value of publication of prices, 104 Broad market, defined, 73L Broker, floor

work of, 161f. defined, 256

Actual market, see Physical market

mation on markets, 105f. Bucket shop, 292, 293, 297 provisions of Commodity Exchange Act regarding, 261, 262 Bullock, Charles J., n., 69 Bulls ("long" speculators), described, 74f. Buyer's call, 243ff. Capper, Senator, on short selling, 78£. Capper-Volstead Act, 255 Carver, T. N., n., 69 Cash (Spot) market, see Physical market Cate, Henry H., on benefits of futures trading to millers, merchants, and producers, 48ff. Caveat emptor, 43, 88 Caveat vendor, 43 Chicago Mercantile Exchange, the, 119 Christie Grain and Stock Company, the, Clark, Fred Emerson, n., 69 Clark, John Bates, n., 69 Clayton, William L., on hedging, 202 Clearing house (of exchanges), 33f. functions of, 164f., 168f., 182, 297ff. organization of, 169f. margin requirements of, 170-76, 181 and exchange contracts, 170f. financial resources of, 179-82 the guaranty fund, 179, 180£ deliveries by, 182-85 limitation of interest by, 185£ advantages of, 186f. operations, legality of, 297-300 and relationship to non-members, 303£. Coffee Exchange of the City of New York, see New York Coffee and Sugar Exchange Commodity Exchange, Inc., the, 91, 119, 145, 161

by-laws of, on corner or squeeze, 83ff.

Broomhall's Agency, as supplier of infor-

Commodity Exchange, Inc., the-Continued	Commodity exchanges—Continued
futures trading by, 121	defined, 143
trading unit of, 140	history of, 143f., 164, 197
on arbitration of disputes, 149f., 151	as non-profit organizations, 145, 267
Commodity Exchange Act,	objectives of, 145f.
and speculation, 85, 185f.	seats on, 146f., 289f.
and margin requirements, 177f., 179	nature of, 284-88
provisions of, regarding	government of, 147
contract markets, 252–55	dues of, 147
co-operative associations of producers,	secretary of, 147, 154, 158
255f.	committees of, 147–55
registration of commission merchants	arbitration, 148-51
and floor brokers, 256f.	business conduct, 152
treatment of margin moneys of custo-	supervisory, 152
mers, 257f.	floor, 152, 160f.
limitation on trading, 258f.	quotations, 153
hedging, 258f.	commissions, 153f., 161
unlawful practices, 259–62	information and statistics, 154
wash sale, 261	grading and warehousing, 154
bucket shop, 261, 262	trading months on, 158f.
non-members of exchanges, 262	trading, rules of, on floor, 160f,
criminal offenses, 264  Commodity exchanges, 27, 28ff., 122f.,	call, 174 described, 159
126ff.	
commodities not adapted to operations	transactions, described, 188-96
on, 12, 110f., 118f., 122, 145	and stock exchanges, compared, 266ff.
effect of state trading on, see State trad-	legal nature of, 266-96, 305f. how exchanges are terminated, 268f.
ing	powers of the state over, 269-74, 281ff.
as regulations of speculation, 29, 46f.,	powers of regulating trade over, 273f.
162	see also Commodity exchanges, by-laws
services performed by, 29ff.	of
standardization of contracts and grades	by-laws of, 274–78
by, 29, 47, 136, 137f.	membership rules, 146, 277ff., 283f.
and relationship to clearing house, 29,	discipline, 149, 151f.
30, 33, 164-87	taxation, 290f.
see also Clearing house	quotations, 291–96
insurance of deliveries by, on contract	relationship between exchange mem-
time, 29, 30, 33	bers and non-members (customers),
importance of, in relation to prices, 29,	301-309
41-46, 48, 51, 99f., 100, 106, 157f.	with regard to margin transactions,
economic functions of, 29ff.	306-309
and farmers' co-operatives, 35ff., 39f.	for comparison with physical markets,
influence of, on markets, 37ff.	see Physical market and commodity
as providing a continuous and broad	exchange, compared
market, 42f.	see also Commodity Exchange, Inc.;
as sources of marketing information	Commodity Exchange Act; Futures
(prices, volume, etc.), 46, 96ff., 102-	trading; Hedge; Physical market;
109, 158	Speculation, organized
improvement of trade practices by, 47	Commodity market, see Physical market
as stabilizers of consumption, 47ff.	Conant, C. A., n., 164
and warehouse receipts, 94f., 141ff.	Contract market, see Commodity exchanges
role of, in U. S. productivity, 97	Contract slips, 162f., 170
as world markets, 97f.	Copeland, M. T., n., 69
quotations, dissemination of, by, 106-	on hedging, 211
109, 291–96	Corn Exchange Bank, 168
purpose of traders in, 127f.	Corn Trade News, 106

Corner, a, 137
defined, 82f.
Cotton Dealers' Association of New
Orleans, the, 23
Cotton Futures Act, the, 90, 273
establishment of grades under, 89
Cox, Alonzo B.
on warehouses in cotton trade, 94f.
on value of publication of market prices,
102
on hedging, 201
on discounts on distant months, 221f.
Cox, Reavis, on hedging, 235f.

#### Dewing, A. S., n., 7

Ely, Richard T., n., 70 Emery, H. C. on speculation, 63, 70 exchange contract defined by, 132 on commodity exchanges, 143 on hedging, 202, 211 Equity Co-operative Exchange, the, 293 Exchange (Futures) contract as medium for short selling, 77-82 origin and development of, 129-32 defined, 132f. compared with physical market contract, 133f. form of, 134f. characteristics of, 135f. and speculation, 136 and delivery months, 140f. and hedging, 209 Exchange market, see Commodity exchanges Exchange trading, see Futures trading Execution, defined, 288f.

Fairchild, Fred Rogers, n., 69 Farm co-operatives and state trading, 114-17 use of hedge by, 240, 250 Farnam, Henry F., n., 69 Fetter, Frank A., n., 69 Fisher, Irving, n., 69 Floor (Ring, Pit), described, 155, 159f. Flour Mills of America, 48 Futures commission merchant, defined, 256 Futures contract, see Exchange contract Futures market, see Commodity exchanges Futures trading functions of organized speculation in, 51 conditions for, 110-20, 125 commodities adapted to, 110f., 118f.,

122, 145

Futures trading—Continued grading in, 110f., 119, 123 commodities not adapted to, 119f. commodities that might be adapted to, 120-25 see also Speculation, organized

Gardner, John C., on hedging, 246
Garside, A. H., 228, 229
Grades, Grading, 25f., 29
advantages of, 87ff.
in cotton trade, 89f.
in grain trade, 90f.
in rubber trade, 91
sampling, methods in, 92ff.
see also Basis grade
Grain Futures Act, 273, 293
see also Commodity Exchange Act
Grain Standards Act, establishment of grades under, 90
Green Coffee Association of New York
City, the, 23

Hadley, Arthur Twining, on speculation, 61, 69 Hamilton, W. P., 140 Hammatt, Theodore D., 235 Hardy, Charles O., n., 133 Harris, S. C., on arbitrage, 217 Hedge, Hedging, 43, 47, 137 functions of, 32 and speculation, 54, 73, 218 defined, 54, 201, 202, 259 risk and, 199ff., 213, 250 and futures contract, 201, 205f. a transaction, described, 201f. purpose of, 202ff., 217f. classes of, 205 use of, by manufacturers, 206f. delivery on, 209ff. by transactions in other commodities, 211£ as an aid in financing, 212f. credit insurance through, 213ff. role of market and month in, 219 basis effect of change in, on, 230-35 in grain trade, 237-40, 241, 250 by producers, 240f. in cotton trade, 242-46, 250 in sugar trade, 245-48, 250 in coffee trade, 248, 250 in rubber trade, 248f., 250 by custom copper smelters, 249

in cottonseed oil, 249, 250

Hedge, Hedging—Continued
by a fabricator, 249f...
by a miner, 250
legality of, 306
Heunber, Grover G., n., 69
Hibbard, Benjamin H., n., 70
Holmes, Justice Oliver Wendell
on speculation, 62f.
on legality of clearing house transactions
by offset, 298
on hedging, 299
Hubbard, W. H., n., 141
Huebner, S. S., 34, 69, 81
on hedging, 197f.

Ivey, Paul W., n., 70

Johnson, Fred, n., 69

Kansas City Exchange, the, as grain market, 241 Kemmerer, Edwin Walter, n., 70

"Law merchant," 8, 9, 23
Liquidity, characteristics of, 86
London Metal Exchange, the, as factor in
futures trading, 121
Long sale, 205
Lyman, J. C., on hedging, 238

Margin transactions
legality of, 306-309
see also Clearing house
McClintock, J. O., on margin requirements, 177f.
McCrea, Roswell C., n., 70
Mehl, J. M., on hedging, 201, 204f.
Merrill, John C. F., n., 75
Mirick, E. H., on hedging, 204
Mitchell, Wesley C., n., 70

National Coal Control Act, 125
National Industrial Recovery Act, 124, 125
National Metal Exchange, the, 145
interest of, in futures trading, 121
National Silk Exchange, the, 145
New Orleans Cotton Exchange, the, 119
official trading unit on, 140
New York Cocoa Exchange, the, 113, 119
contract of, 134f.
grades established under, 139
official trading unit in, 140
New York Coffee and Sugar Exchange, the,
10, 119, 167

New York Coffee and Sugar Exchange, the-Continued grading by, 93f., 139 publishing of marketing information by. daily market report of, 104£. official trading unit in, 140 hedging in, 246, 248 and Sherman Anti-Trust Law, 270f. New York Cotton Exchange, the, 10, 123, buying and selling on, 75 daily market report of, 103f. and control of quotations, 107f., 158 organization of, 132, 144 grades established by, 139 trading unit of, 140 delivery months on, 141 and commissions, 153, 161 trading ring of, described, 155 and Sherman Anti-Trust Law, 270 New York Hide Exchange, the, 145 New York Journal of Commerce, on hedging, 202f., 236f. New York Produce Exchange, the, 10, 119 grades established by, 139 official trading unit in, 140 development of, 144 hedging in, 249 New York Stock Exchange, the development of, 10 trading post of, described, 155 New York Times. on speculation, 55f. publication of prices by, 223f.

#### Odd Lot Cotton Exchange, the, 294

Paper market, see Commodity exchanges Perlmann, Louis, n., 70 Physical (Commodity) market development of, 9-12, 27f. trading methods in, 11ff. organization of, 12f. brokers in, 13, 20, 23 commission agents in, 13f., 20, 23 dealers, 14, 18f., 20 as risk bearers, 15-18 and insurance companies, compared, 18£ disadvantages in operating without exchanges, 19f., 128f. producers' associations, 20ff. constructive and destructive features of, 21ff. dealers' associations

Physical (Commodity) market-Continued	Smith, J. G., 63, 70
arbitration of disputes, 23	on hedging, 242
standardization of contracts and	Solid market, see Broad market
grades, 23-26	Speculation, organized
standard contracts and grades in, 88,	function of, in distribution of staples, 51ff.
lack of marketing information services	and exchanges, 53f.
in, 100f.	compared with the hedge, 54 defined, 54
purpose of traders in, 127 for comparison with commodity ex-	attacks on, 55ff., 75f.
changes, see Physical market and	effect of, on supply and demand and on
commodity exchange, compared	prices, 57£., 63-73, 74
see also Commodity exchanges	defenses of, 58
Physical market and commodity exchange,	and gambling, distinguished, 58-61, 82f.
compared, 12, 26, 27ff., 33f., 43f., 47,	distributive function of, 61
51, 75, 89, 127, 138, 182, 196	dependence of hedge upon, 73, 76
prices on, 69, 206, 210, 212f., 219-26, 227f.	dependence of broad, continuous, and liquid market upon, 73-77
contracts, 132, 133, 135	sale of risk in, 73, 77
delivery, 144	a transaction, described, 188-94
arbitration of grading disputes, 150L	and Commodity Exchange Act, 258
hedging, 208	see also Short sale
risk, 214f.	Spot market, see Physical market
Prices in relation to supply and demand, 57£.	Spreader, see Arbitrageur Squeeze, 2, 137, 210
Purchase (Sales) contract, 177	defined, 83ff.
a diction (outes) contract, 111	State trading, 22
Riegal, Robert, n., 70	effect of, on commodity exchanges and
Ring, a, described, 165-68	physical markets, 13, 15, 112-17
Rubber Exchange of New York, Inc., the,	Stevens, W. H. S., 224ff.
112, 145	Scorts, William A., on value of exchange
establishment of grades by, 91	markets to cottonseed oil trade, 39
Rubber Trade Association of New York,	Straddle position, 176, 185, 186 defined, 173
the, 23	see also Arbitrage
Co David Cooks Probases also 000	Strange, H. G. L., on state trading, 114-17
St. Paul Grain Exchange, the, 293	
"Scalper" (floor trader), functions of, 75 Schutte, George C., on state trading,	Taft, Chief Justice William Howard, 270f., 285, 299
115	Tanners' Council of America, 122
Searle Grain Co., Ltd., 113	Taussig, F. W., n., 70
Second World War	Taylor, Alonzo, 40
effect of, on markets, 13	Todd, John A., 229f.
production during, 221	Truman, Harry S., on speculation, 55
Seligman, E. R. A., n., 70	United States, as exporter of cotton and
Seller's call, 243ff.	grains, 96£.
Shepherd, G. S., on hedging, 214 Shere, Harry, on necessity for futures	United States Cotton Futures Act
trading and on functions of specula-	publication of market reports under,
tion in distribution of grain, 51	104
Sherman Anti-Trust Law and commodity	classification and inspection under, 137, 138L
exchange, 270, 271	establishment of grades under, 139
Short sale, 188, 205	United States Testing Company, Inc., the,
described, 77–82	sampling by, 93
legality of, 506 Skyberg Herman E on value of grain	Usher, Abbot Payson, n., 70
Skyberg, Herman F., on value of grain elevators, 37	Vaile, R. S., on speculation in grain, 56f.
	anner an ad an electricion in Right' 200"

324

#### Index

Wash, a
described, 165-68
provisions of Commodity Exchange Act
concerning, 261
Weld, L. D. H., 137
on speculation, 62, 70
on value of publication of market
prices, 101f.

Wermert, George, n., 70
Western Union Telegraph Company, contract of, 107
White, Edward D., on benefits of future trading to cotton planter, 61£
Woodruff, George P., vii

Young, Allyn A., n., 70