VERTICAL INTEGRATION
IN THE
TEXTILE INDUSTRIES

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PREFACE

"VERTICAL INTEGRATION IN THE TEXTILE INDUSTRIES" is the result of a study started at the request of the Committee on Economic Research of the United States Institute for Textile Research and carried on for nearly two years by the Industrial Research Department under a grant from the Textile Foundation. It is primarily an appraisal of how the combining of successive steps in the production and distribution of textiles has worked in the case of selected present-day textile companies. From the experiences of these companies is distilled the principles of vertical business organization as they apply to the management of individual enterprises. In other words, the present study is a guide to management and not a study of the long-time trends of business organization or of the present extent of vertical integration within the textile industries. Neither does it offer a detailed quantitative analysis of the economic effects of vertical integration within the textile industries or of the implications in these effects to our economy as a whole. Important as are these aspects of the problem of vertical integration they could not all be combined within one study.

Rather than make an historical study or a study of the economic implications to our economy as a whole, it seemed best to appraise present-day experience with a view to understanding what advantages companies derived from vertical integration, what limitations they met, and what techniques they employed. The Industrial Research Department hopes that this interpretation may serve as both the inspiration and the background for further study of the problems, history, and economic consequences of business organization within the textile industries.

The first stages of the research were given over to ascertaining the recent trends in the organization of production and distribution in varied textile lines. These included the causes which led to particular reorganizations, the processes integrated, the obstacles met, and the results attained. In many interviews, executives of integrated textile enterprises freely discussed intimate details of the business of their own companies. Other producers, operating on a specialized basis, contributed both by citing their own reasons for retaining their form of organization and by their estimate of the likely
results of integration upon their industry. Thus the search for findings started with the actual experiences of present-day executives.

If textile products were less varied, it might have been possible to arrange and summarize these experiences in general terms, or as cases illustrating general principles. For the textile industries, however, with their series of markets and their varied products, such a treatment would have oversimplified the problems and left some doubt about the way in which the findings could be applied.

The breaks in the flow of textile merchandise, with their attendant changes in ownership, made it necessary to undertake intensive study at each of the major markets. Data in official publications and trade reports and those accumulated by members of the research group in their past work in certain of the textile industries gave a background against which to contrast some of the more recent experiences.

Even at a single market, the chances of effective integration of processes differ between products. The ever-present question of why has integration of processes been attempted more frequently by one group of producers than by another kept the research staff contrasting at each market the manufacturing and selling problems first in one product and then in another. It was these inquiries which accounted for repeat-calls upon companies for elaboration of experiences and for verification of competitive conditions. The factors which made the combination of processes usual for some products and rare or lacking for others kept the research group continuously debating and contrasting the significance of case material.

Some barriers to vertical integration are peculiar to particular markets. Some, common to a number of markets, have been overcome in each case by different procedures. Often an obstacle encountered at one market appeared in a somewhat different guise at other markets or was so minor a problem as to deserve only incidental attention.

The analysis at the major markets furnished the keynote of the investigation and conditioned the form of this report. Thus the discussion in Chapter II, based upon intensive studies of men’s wear, women’s wear, knit underwear, and other specialized textile apparel products, stresses the conditions likely to encourage and those likely to retard integration in the making of cloth and clothing. To be sure, each situation in this market has its own
peculiar variants. Yet broad lines of distinction are clearly evident between products in which variety of fabric, or variety of garment, or both is an essential or a secondary requirement. Whether styles change frequently or slowly gives a key to the explanation of the difficulties of integrating. Whether a mill must make garments and continue to sell surplus cloth or whether a garment plant can be expected to absorb the volume of fabrics which a mill normally produces colors the prospects for successful integration and affects the products in which it should be undertaken. Products which involve a wide distribution problem contrast sharply with those which offer a chance for volume in relatively few outlets. Thus the varying practices and the forms of vertical integration found at a particular stage of manufacture not only help to explain the persistence of division of processes or specialization, but give a clue to policies which have been effective in offsetting some disadvantages.

As far as possible, each of the major markets had first to be considered in isolation, with special attention to household textiles, industrial goods, gray goods, and yarn, as well as finished apparel fabrics. Only after the experiences at each market had been summarized and the advantages of integrating at any stage, as well as the actual practices used in meeting obstacles, had been studied did certain general policies common to all markets emerge.

The general reader may miss a description of the present structure of the textile industries which seemed too familiar to those in the trade to be included in this report. Thus in the writing, a knowledge of textile processes and markets has been assumed.

No effort is made in the study to present the mass of data upon which its conclusions rest. Only in isolated cases is there any lengthy description of particular experiences. In fact, the study is an interpretation, not a description of cases. The practice in writing it has been to refer to companies only when their activities illustrate some principle of wide application at one or more market steps. Since any change in the sub-division of processes in an industry solves some problems and creates others, the reference to a particular company can serve to make clear the obstacles which have been overcome or, under favorable circumstances, the benefits which may be gained. Thus throughout the text the use of company names
is incidental to the main object of pointing out situations which have been found to be favorable and those which have been found to be unfavorable to vertical integration.

In such a study, it occasionally happens that a principle may be more clearly elucidated by an extreme case than by one more typical. A firm which has deviated from current practices may give a hint of what might be done by others better than one which has followed the usual pattern of the industry. When at any stage in the textile processes a number of companies possess an integrated form of organization, the citation of one or two sufficiently illustrates the experiences of many. In the same way, companies that have tried to combine steps in production or distribution and later abandoned the effort may furnish clues to the obstacles met by others. Actually, in the course of compressing the report, many illustrations have had to be omitted and descriptions of attempts to integrate have had to be shortened. It thus happens that many companies that contributed to the conduct of the study are not named in this final report, though their experiences aided its findings.

It would be difficult to acknowledge adequately the extent to which this study was made possible by the cooperation of the executives in the textile industries. Throughout all stages, the research group leaned heavily upon the suggestions of members of the Advisory Committee for this study, including the Committee on Economic Research of the United States Institute for Textile Research, of which Mr. F. S. Blanchard is chairman. Through their suggestions and the interest of the presidents or managing directors of the cooperating textile trade associations, our work has been shortened and members of the industry prepared for the type of inquiries and the calls for information which our various interviews involved. Despite the richness of textile experience, it would have been easy to miss many of the factors which influence the organizations of a complex industry without the cooperation which its executives at all times gave. To name the many to whom the textile industry as well as the Industrial Research Department became indebted during the conduct of this study would involve listing some five to six hundred individuals. Those whose companies are cited in the report have had the further task of reading the parts of the text that refer to their experiences. Others in the industry have aided by their
criticisms of sections of the final report. Thus we are indebted to those who contributed by their willingness to pool experiences and to those who contributed by reading the separate chapters. During the two years, Mr. F. S. Blanchard, as chairman of the Advisory Committee, has shown unfailing and helpful interest in the conduct of the research.

At the University of Pennsylvania, the entire study has also profited from the criticisms of Professor A. H. Williams, and certain sections from those of Professors Reavis Cox and Waldo E. Fisher.

With due appreciation of the help of those in the industry, on the Advisory Committee, and at the University, the Industrial Research Department, of course, acknowledges that the responsibility for the interpretation of data and for the conclusions rests upon its members alone.

Among the staff of the Industrial Research Department, there was some division of labor. All participated in the first stages of collecting information, making contacts, and interviewing executives. All shared in defining the problems to be included in the study and in eliminating phases of inquiry which would have spread the research unduly.

At a later stage in the study more specialization was possible. The group tended to depend upon C. Canby Balderston when a problem concerned the cotton industry, George W. Taylor when it concerned silk or rayon, and Hiram S. Davis when it concerned woolen and worsted. Special studies, some of which cut across these fiber lines, fell to others. Anne Bezanson analyzed the problems of distributing yard goods. Robert D. Gray undertook a study of the underwear industry. G. Allan Dash, Jr., became responsible for hosiery and an extensive survey of the women's dress industry, and Robert B. Armstrong for knitted outerwear and carpets.

Both in these intensive studies and in the more general one of actual practices and trends in organization, a working summary of each interview was written and made available to all members of the research group. These materials thus became the basis for group discussion.

Once the changes in ownership at particular markets emerged as the clearest way to use the materials, a new series of interviews had to be made, assumptions checked, and cases at each market added or elaborated. Too much credit cannot be given to G. Allan Dash, Jr., and Robert B. Armstrong for making and following up contacts with companies in all stages
PREFACE

of textile manufacture from yarn to finished goods.

That this report, written by several persons, has a unified style is evidence of the care of Miriam Hussey who also took responsibility for the verification of the citations about particular companies as well as for the editing. Lillian P. Goodman rendered exceptional service in keeping records of the interviews and assisting in proof-reading.

At each stage of the study, the staff was guided by the sound economic judgment of Anne Bezanson whose high standards of research were a constant stimulus.

Despite the bringing together of findings in preliminary writing, much comparison and culling had to be done before the writing of the report. The actual writing, the working out of the form of the report, and the major part of the interpretation fell to Hiram S. Davis and George W. Taylor.

JOSEPH H. WILLLITS

May 1938
# CONTENTS

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface</td>
<td>v</td>
</tr>
<tr>
<td>I THE PROS AND CONS OF VERTICAL INTEGRATION—A SUMMARY</td>
<td>1</td>
</tr>
<tr>
<td>The Advantages of Vertical Integration</td>
<td>2</td>
</tr>
<tr>
<td>The Limitations of Vertical Integration and How They May Be Overcome</td>
<td>5</td>
</tr>
<tr>
<td>Methods That Facilitate Vertical Integration</td>
<td>9</td>
</tr>
<tr>
<td>Conclusions Regarding General Policy</td>
<td>12</td>
</tr>
<tr>
<td>II THE INTEGRATION OF TEXTILE OPERATIONS AND GARMENT MANUFACTURE</td>
<td>15</td>
</tr>
<tr>
<td>The Palm Beach Experience</td>
<td>15</td>
</tr>
<tr>
<td>The Goodimate Experience</td>
<td>16</td>
</tr>
<tr>
<td>What Can Be Learned from the Goodall and Goodimate Cases?</td>
<td>17</td>
</tr>
<tr>
<td>Can the Methods Used by Goodall and Goodimate Be Applied Generally?</td>
<td>19</td>
</tr>
<tr>
<td>Women's Ready-to-Wear</td>
<td>20</td>
</tr>
<tr>
<td>Men's Suits</td>
<td>22</td>
</tr>
<tr>
<td>Shirts</td>
<td>25</td>
</tr>
<tr>
<td>Overalls</td>
<td>27</td>
</tr>
<tr>
<td>Knit Underwear</td>
<td>28</td>
</tr>
<tr>
<td>The Pros and Cons of Linking Fabric and Garment Manufacture</td>
<td>30</td>
</tr>
<tr>
<td>III VERTICAL ORGANIZATION FOR THE FABRICATION OF HOUSEHOLD TEXTILES</td>
<td>34</td>
</tr>
<tr>
<td>Sheets</td>
<td>34</td>
</tr>
<tr>
<td>Bedspreads</td>
<td>35</td>
</tr>
<tr>
<td>Curtains</td>
<td>36</td>
</tr>
<tr>
<td>Variety, the Key to Organization</td>
<td>38</td>
</tr>
<tr>
<td>IV COMBINING THE MANUFACTURE AND USE OF INDUSTRIAL TEXTILES</td>
<td>39</td>
</tr>
<tr>
<td>Manufacture of Cord by Tire Companies</td>
<td>41</td>
</tr>
<tr>
<td>Production of Fabric by Surgical Gauze Manufacturers</td>
<td>43</td>
</tr>
<tr>
<td>Combining Textile and Bag Manufacture</td>
<td>46</td>
</tr>
</tbody>
</table>
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## CONTENTS

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface</td>
<td>v</td>
</tr>
<tr>
<td>I THE PROS AND CONS OF VERTICAL INTEGRATION—A SUMMARY</td>
<td>1</td>
</tr>
<tr>
<td>The Advantages of Vertical Integration</td>
<td>2</td>
</tr>
<tr>
<td>The Limitations of Vertical Integration and How They May Be Overcome</td>
<td>5</td>
</tr>
<tr>
<td>Methods That Facilitate Vertical Integration</td>
<td>9</td>
</tr>
<tr>
<td>Conclusions Regarding General Policy</td>
<td>12</td>
</tr>
<tr>
<td>II THE INTEGRATION OF TEXTILE OPERATIONS AND GARMENT MANUFACTURE</td>
<td>15</td>
</tr>
<tr>
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<td>15</td>
</tr>
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<td>20</td>
</tr>
<tr>
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<td>22</td>
</tr>
<tr>
<td>Shirts</td>
<td>25</td>
</tr>
<tr>
<td>Overalls</td>
<td>27</td>
</tr>
<tr>
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<td>28</td>
</tr>
<tr>
<td>The Pros and Cons of Linking Fabric and Garment Manufacture</td>
<td>30</td>
</tr>
<tr>
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<td>34</td>
</tr>
<tr>
<td>Sheets</td>
<td>34</td>
</tr>
<tr>
<td>Bedspreads</td>
<td>35</td>
</tr>
<tr>
<td>Curtains</td>
<td>36</td>
</tr>
<tr>
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<td>38</td>
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<td>41</td>
</tr>
<tr>
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<td>43</td>
</tr>
<tr>
<td>Combining Textile and Bag Manufacture</td>
<td>46</td>
</tr>
</tbody>
</table>
CONTENTS

CHAPTER PAGE

The Making of Textiles by Industrial Users Who Commonly Buy
Textiles ................................................................. 47
Significance of Integration Experience .................................. 49

V Combing the Weaving and Converting of Gray Goods .... 53
Partial Integration ...................................................... 53
Partial Integration in Staple Gray Goods ............................. 55
Partial Integration in Styled Gray Goods .............................. 59
Problems Faced by Mills that Take Up Converting .............. 61
Problems Faced by Converters Who Acquire Mills .............. 66
The Case for Partial Integration ...................................... 67

VI Integrating Yarn and Fabric Manufacture ......................... 70
Industries in Which Specialized Operations Are Common .......... 71
Industries in Which Both Specialized and Integrated Operations
Are Common .................................................................. 76
Industries in Which Integrated Operations Are Common .......... 81
The Making and Using of Rayon Staple .............................. 83
Attaining Flexibility at the Yarn Stage ............................. 84

VII Developing Vertical Organization by Brand Promotion .... 88
Branding Finished Consumers’ Goods ................................ 89
Branding Piece Goods for Sale over the Counter ................. 94
Branding Fabrics Sold to Cutters .................................... 99
Branding Yarns to the Consumer ..................................... 105
The Relation of Brand Promotion to Vertical Organization ...... 110

VIII Multi-Market Integration ............................................. 112
How Multi-Market Integration Develops ............................ 112
Problems of Multi-Market Integration ............................... 113
The Place of Multi-Market Integration ............................... 120

Index ............................................................................. 123

Other Publications of the Industrial Research Department .... 133
INDEX

Absorbent Cotton Company of America, 45
Acetate, see Rayon
Associations, cooperating trade, iv
Acquisition of existing facilities, 10, 25, 28
Advance orders, see Purchasing
Advertising, see Brand promotion
Agency, exclusive, 91
American Viscose Corporation, 105-6
Anti-Trust laws, 90
Aprons, 21, 100
Argus Knitting Mills, 10
Arnold Print Works, 55
Artificial leather cloths, 47-8
Assets, fixed, see Capital investment
Automobile industry, 41, 78-9
Automobile upholstery, see Upholstery
Bagmaking, 3, 41, 46-7, 50-1
Ballard & Ballard Co., Incorporated, 46
Bates Manufacturing Company, 35
Bathing suits, 12, 71, 74, 89, 108, 109, 118
Bauer and Black, 44, 45
Bedsprads, 34, 35-6, 38
—chenille, 35
—hand-tufted candlewick, 35
—Jacquard, 34, 35-6, 38
—lace, 35
—tailored, 34, 35-6, 38
Beir, Arthur & Co., Inc., 98
Bibb Manufacturing Company, 41, 43
Blankets, 38, 83, 89, 94, 114
Botany Worsted Mills, 99, 115
Brand promotion:
—advantages of, 88-9
—as aid to forward integration, 11-2, 31, 32, 114-5, 121
—as method of integrating, 11-2, 88-111
—of finished consumers' goods, 89-94
—of fabrics to cutters, 99-105
—of men's suitings, 24
—of Palm Beach wear, 15-6
—of rayon, 71-2, 105-8
—of sheets, 34-5
—of shirts, 25-6
—of Stroock coats and fabrics, 20-1
—of piece goods, 94-9
—of yarns, 105-10
—problems of, 12, 100-3
—to develop mass distribution, 7
Brands:
—exploitation of, 91, 99, 102-3, 107
—family, 97-8
—mill, 93-110
—private, 26, 32, 93-4
—restriction of, 103
—separate for different retailers, 90
—store, 90, 94
Brand & Oppenheimer, Incorporated, 100
Broadalbin Knitting Co., Ltd., 29
Brokers, 5, 44, 57, 62, 63, 78, 119
Buyers:
—group, 20, 94
—store, 20, 94, 102
Buyers' market, 11, 51, 53-4, 58, 60, 62, 66-7, 68, 76, 113, 117
Buying:
—confined, advantages of to cutters, 25
—hand-to-mouth, 76, 116
B.V.D. Corporation, The, 118
Callaway Mills, 35, 39
Cannon Mills, Incorporated, 12, 41, 89, 91, 112
Capacity (see also Tapered capacity, Operations, capacity, and Equipment):
—excess, 40, 79
—to meet peak requirements, 43
Capital:
—investment:
—-in finishing equipment, 65
—-in rayon-producing equipment, 74, 84
—-in weaving equipment, 28, 66
—-in yarn-producing equipment, 28, 85
—-resources, 66, 72, 108, 109
—-working, 78
Carpets, ix, 89, 91
Carson Pirie Scott & Co., 112
Celanese Corporation of America, 71-2, 73, 76, 107

Certainty:
---of markets, 4, 81
---of supplies, 4, 11, 41, 42, 46, 58, 60, 115

Chain stores:
---and brand promotion, 94
---in garment distribution, 18, 26
---in piece-goods distribution, 95, 102
---mill- or converter-owned, 22
---pattern sales, 95

Chatham Manufacturing Company, 103
Chicopee Manufacturing Corporation, 44
Chicopee Sales Corporation, 44
Clairol, H. B. and Company, 34

"Close affiliations" (see also Financial interest):
---in denim and overalls manufacture, 27
---in surgical gauze manufacture, 44

Cluett, Peabody & Co., Inc., 26
Cohn-Hall-Marx Co., 58, 60
Collins & Aikman Corporation, 78
Colonial Mills, Inc., 59
Commission houses, 29

Commission manufacturing:
---by converters, 67
---in combing, 116
---in finishing, 65
---in garment manufacturing, 31, 112
---in shirt manufacturing, 27
---in weaving, 17
---of staple gray goods, 59
---of styled gray goods, 54, 56, 60
---use to attain flexibility, 6, 8, 117-8
---use to limit investment, 10-1

Committee, Advisory, iv, viii, ix
Committee on Economic Research, iv, v, viii

Competition:
---among knitters and/or weavers, 73, 75, 76-7, 112
---between worsted and cotton mills, 76-7
---effect of, 55-6, 85
---in converting, 58
---in percales, 98
---limitations in branded merchandise, 90-4
---means of avoiding, 43-4, 61, 63
---weavers with converters, 62, 68
---with customers, 5-6, 9, 23, 57

Consumer:
---acceptability of product, 4, 101-2, 109, 114
---good will, 109
---interest, 24, 100-1, 105
---preference, 5, 12, 59, 94
---reaction, 4, 6, 24, 71, 73, 115-6
---trends, appraisal of, 89

Consumers' goods, 71, 89-99

Contact:
---between mill and retail store, 92-3, 114
---market (see also certainty), 64, 78, 81
---with consumer, 71, 113

Continental Mills, Inc., 100, 103

Contract, see Commission manufacturing

Control of quality, see Quality, control of

"Convenience goods," 91

Converters, 54, 58, 59, 62, 66-7

Converting:
---combined with weaving, 53-69
---cotton fabrics, 55-8
---fabrics for shirts, 26-7
---rayon fabrics, 57

Cooperation:
---with cutters, 101-2
---with retailers, 90-1, 92-4, 101-2

Cooperative branding plan, 108-9

Cooperative departments, 91-2

Coordinating:
---manufacturing and selling, 13, 22-3

Costs:
---intermediate, 26, 33, 65, 76, 113
---labor, 35, 36-7
---operating, 3, 57-8, 65, 90
---overhead, 3, 9, 45, 63
---production, 27, 60, 62, 74, 76
---raw material, 26
---relation between yarn and fabric, 85
---savings in, 40, 41, 42, 43, 58, 72

Cotton (see also Fabrics, Underwear, and Yarn):
---industry, ix, 81-2
---mills:
---maintaining balance, 81
---production of all-cotton upholstery, 78-9
INDEX

—production of spun-rayon fabrics, 25, 61, 76-7
—production of worsteds, 77
—woven-goods industry, 81-2
Credit problems, 62, 113
Crown Tested Rayon, see American Viscose Corporation
Curtains, 34, 36-7
—lace, 36-7, 91
—novelty, 34, 36-7
Customers:
—competition with, 5-6, 9, 56-7
—service to, 90
Cut rayon, see Rayon staple
Cutters:
—acquiring fabric-producing departments, 24-5
—advantages of confined buying, 25
—preferences of, 61, 77
—use of branded fabrics, 99-105
Cutting, see Garment manufacture

Demand, seasonal fluctuations in, 60
Demonstration of uses, 4, 23-4, 71-2, 73, 96
Department stores, 94, 95, 102
Distribution:
—brand promotion and retail, 89-99, 101-3
—mass, by brand promotion, 7
—need for complete line, 21, 56
—of curtains, 36-7
—of knit underwear, 29
—of men’s suits, 91
—of rayon fabrics, 56-7
—of sheets and sheeting, 34-5
—of surgical gauze, 43-5
—problems of, 20, 25-6, 31, 32, 37, 38, 39-40, 46, 56, 68
—selective, 18, 102-5
—shifts in, 79
Diversification:
—of outlets (see also Non-competing markets), 4
—of products, 4, 8, 9, 45, 78, 83, 86, 103, 119-20
Draperies, 34, 38, 63
Dressmaking (see also Sewing, home), 96
Dresses (see also Women’s ready-to-wear):
—cotton house, 21, 115
—rayon, 21, 22, 62
—silk, 21-2, 62
—women’s, ix, 63, 73, 74
Dry goods stores, 94
Dual markets, see Non-competing markets
Dumari Textile Co., Inc., 97, 99
Dunham, James H. & Co., 98
Duplan Silk Corporation, 2, 60, 113, 118
du Pont de Nemours, E. I. & Company, 106
Durene Association, 108-9
Ely & Walker, 97, 98, 114, 118
Equipment:
—adding of, 76
—general-purpose, 50-2
—idle, 43, 50, 60, 63, 73, 77, 78, 107, 117
—printing, 55
—scraping of, 66, 79
—special-purpose, 49-50, 51, 52
—surplus, 81
Erlanger enterprises, 118
Exclusive agency, 23, 91
Experimentation, see Research
Exploitation of brands, 91, 99, 100, 102-3, 107

Faith Mills, Inc., 29
Fabric constructions:
—confined, 11, 25, 60, 77
—dependent upon unified control of operations, 85
—dependent upon variety of yarn, 85
—individuality of, 61
—novelty, 60, 65
Fabric manufacture:
—integration of, with converting, 53-67
—integration of, with garment manufacture, 15-30
—integration of, with yarn production, 70-84
Fabric testing, 105-6
Fabrics (see also Percales and Print cloths):
—auto, 41, 78
—awning, 56
—batistes, 97
—bedspread, 62
—branding of, 94-105
—broadcloth, 120
—camel’s hair, 100
—canvas, 39
126 VERTICAL INTEGRATION IN THE TEXTILE INDUSTRIES

- chafer cloth, 42
- chambrays, 120
- circular-knit, 73-4
- coated, 41, 47-8
- coating, 83, 103
- confined, 77
- "consumer-tested," 116
- cotton, 55-8, 59-60, 62-9, 81-2, 97
- covert, 120
- damask, 4, 41
- denim, 27-8
- dimities, 97
- domestics, 81, 89, 92-3
- drapery, 63, 78-9, 120
- dress, 55, 62-3, 73, 77, 78
- duck, 39, 56
- gingham, 120
- glove, 74
- handkerchief, 120
- individuality of, 77
- Jacquard, 79
- khaki, 118
- knit, 73-5, 79-81
- lawns, 97
- lining, 62-3, 78
- mixed fiber, 77
- multi-purpose (see also Gray goods, staple) 44, 48, 59, 67-8
- narrow, 81
- novelty, 79
- oilcloth, 41, 47-8
- organdies, 97
- overcoating, knitted, 17, 29, 100, 103
- piece-dyed, 57, 60, 64
- pile, 78
- polo shirt, 73
- rayon, 1, 4, 28, 55-7, 58-69, 71-5, 79
- seersucker, 103
- sheeting, 34-5, 42, 120
- shirting, 63, 120
- single-purpose (see also Gray goods, styled), 51, 68
- ski, 86
- slasher, 86
- snow, 83
- spun-rayon, 61, 82
- suiting, 83, 103, 120
- summer suiting, 77, 78
- ticking, 56
- topcoating, 29
- tweed, 103
- underwear, 29-30, 62-3
- upholstery, 78-9, 80-1
- variety for garments, 29-30, 32
- voiles, 97
- wall covering, 47
- wool, 12, 82-3, 99
- work, 77
- worsted, 78
- worsted-like, 77
- yarn-dyed, 57, 64

Factors, 62
"Fair-trade" laws, 90

Fiber:
- blending, 61, 79, 82
- identification, 100, 106, 111
- mixed, 61, 77, 79

Filament rayon, see Rayon
Financial interest as a means of control, 11, 22, 41
Financial resources (see also Capital investment), 76, 84

Financing:
- by mill for cooperative retail department, 92
- need for adequate, 28, 109
- of cutters by converters, 22, 62

Finishes:
- as basis for brand promotion, 97, 98
- color fastness, 98
- crease-resistant, 97, 100
- non-shrinking, 97, 98, 100

Finishing, 4, 37, 55-6, 59, 61, 65

Fixed investment, see Capital investment

Fleisher, S. B. & B. W., Co., 109-10

Flexibility (see also Diversification of product):
- attained by knowledge of style trends, 67
- attained by partial integration, 68-9, 77, 80-1, 117-20, 121
- attained by tapered capacity, 9-10, 63, 80-1, 86
- attained by use of multiple-shift operation, 83, 86
- attained by use of non-competing markets, 82, 86
Identification:
—fabric, 94-105
—fiber, 100, 106, 111
—yarn, 105-10
Industrial Rayon Corporation, 4, 73
Industrial textiles, 39-52
Inflexibility, see Flexibility
Integration, backward (see also Tapered capacity):
—advantages of, 3, 4, 5, 41, 58
—contrasted with forward, 18
—definition, 2
—in industrial goods, 40-9
—in weaving and converting, 66-9
—methods of, 9-10, 11, 33
—prospects for, 24-5, 84
Integration, forward (see also Brand promotion and
Non-competing markets):
—advantages of, 3-5, 6, 73-4
—contrasted with backward, 18
—definition, 2
—in weaving and converting, 61-6
—methods of, 9, 10-12, 30-1, 33
—need for style permanency, 18
—prospects for, 84
—requirements for, 26
Integration, inter-market, I
Integration, intra-market, I
Integration, involuntary, II
Integration, multi-market, 112-21
Integration, partial:
—combined with brand promotion, 107
—definition, 8, 14
—disadvantages of, 119
—in weaving and converting, 53-69
—in yarn and fabric production, 75-6
—to attain flexibility, 118-9, 121
—to minimize inventory losses, 116
Integration, vertical:
—advantages, 2-5, 53
—factors influencing, 28-9, 80-1, 85
—general policy of, 12-4, 120-1
—limitations, 5-9, 61, 72-3
—methods of, 9-12, 33
—obstacles to, 19, 21-2, 29-30, 31-3, 46, 51-2,
61-7, 75-6, 113-5
VERTICAL INTEGRATION IN THE TEXTILE INDUSTRIES

-pros and cons of, 1-14
-relation to brand promotion, 110-1
-timing of, 19
Interwoven Stocking Company, 12
Inventory risks:
-increased, 6, 26, 59, 85
-minimized, 6, 78, 116-7
Investment, see capital

Jantzen Knitting Mills, 12, 74, 89
Jobbers (see also Wholesalers):
-in piece-goods distribution, 94, 96
-sale of mop yarn through, 48
Job finishers, 45, 46, 64-5
Johnson & Johnson, 2, 44-5
Juilliard, A. D., & Co., Inc., 99

Kendall Company, The, 2, 39, 44, 45, 52, 113
Kenwood, 89, 103
Kieckhefer Container Company, 40
Knit underwear, 28-30, 73-4, 79-81
Knitted outerwear (see also Bathing suits), 74-6, 79, 109

Labels:
-for fabric identification, 101
-for fiber identification, 77, 100-1
Labor:
-agreements, effect of, 81
-problems, 64
“Lastex,” 108
Legislation:
-effect of, on productive balance, 81
-for resale price maintenance, 90
Licensing:
-of cutters, 12, 15, 16, 20, 100, 103, 104-5, 105-6
-of knitters, 108-9
Liebovitz, S. & Sons, Inc., 26
Linings, 63
-rayon, 17
-shoe, 41, 49
Lorraine Mfg. Company, 103
Loss leaders, 34-5
Lowenstein, M. & Sons, Inc., 55
Mail order houses, 26
Malden Knitting Mills, 74
Management:
-need for ability in, 19, 22, 28, 33, 54-6, 64, 66, 68, 84, 120
-spreading, 6-7
Manhattan Shirt Co., The, 26
Manville Jenckes Corporation, 2, 3, 8, 71, 72, 76, 84
Margins:
-cost, 85
-fabricating, 38
-manufacturing, 35
-in gray goods, 54, 55, 58, 63
-profit, 3, 68, 69, 76, 113
-spinning, 80
Market (see also Non-competing):
-“broad,” 119
-certainty of, 4, 42
-competitive conditions, 22-4, 57
-contacts, 55, 59
-downtown, 64
-intermediate, 13, 112, 120-1
-mass, 102, 114
-sales-yarn, 76, 78, 80, 81-2, 86
-“thin,” 42, 50-1, 77, 119
-uptown, 63
-yard-goods, 96
Men’s suits, 15-9, 22-5
Men’s wear:
-brand promotion, 99-105
-summer suitings, 23
-use of mixed-fiber yarns, 77
Miller-Tydings Amendment, 90
Mops:
-dry, 41, 48
-wet, 41, 49
Munsingwear, Inc., 30, 91
Naumkeag Steam Cotton Co., 34
Neckties, 9, 16, 24, 63, 115
Non-competing markets, 9, 18-9, 27, 36
-in denims, 27
-in fabrics and garments, 16, 30-1, 33, 104-5
-in gray and finished goods, 63
INDEX

-in neckties, 9, 16, 24, 115
-in print cloth, 56-7
-in women's wear, 22
-in yarns, 80-1, 86

Non-competing products, 6, 63-4, 69

Obsolescence:
—machinery, 50
—product, 50, 64
O'Cedar Corp., 41, 48
Olson Rug Co., 89

Operations:
—capacity, 9, 33
—continuity of, 72, 73
—control of, 85, 113
—coordination of, 11
—economy of, 113
—in integrated industries, 76-83
—in specialized industries, 71-81
—multiple shift, 83, 86
—planning of, 113
—stability of, 3, 16, 113

Operations, scale of, 8, 32, 80
—in converting rayon fabrics, 58
—in cotton, 81
—in cotton house dress manufacturing, 21
—in denim and overalls manufacture, 27-8
—in knit-underwear manufacture, 28-9
—in knitted outerwear, 74, 76
—in printing, 55
—in rayon woven goods, 71
—in yarn and fabric production, 85

Overalls:
—cutter problems, 27-8
—mill problems, 27

Pacific Mills, 49, 55, 58, 97, 99
Pajamas, 100, 118
Palm Beach (see also Goodall Worsted and Goodall Companies), 90
Papermakers' felts, 39, 41
Patterns, trend of sales, 95
Pepperell Manufacturing Company, 88, 100, 104
Percales, 55, 97-8, 100, 104
Phoenix Hosiery Company, 89
Piece goods, ix, 57

—branding of, 94-9
—market for, 96

Policies:
—integration, 12-4, 120-1
—pricing, 23-4, 72, 88, 89-90, 90-1, 93
—selling, 60-1

Polo shirts, 73, 107
Powdrell and Alexander, Inc., 36

Prestige:
—and brand promotion, 89, 102, 110
—exploitation of, 99
—through cooperative departments, 91

Price cutting, 20, 90, 107, 109

Prices (see also Policies):
—advantage to converters, 62
—cyclical movements of, 53, 58
—differentials in, 90, 98
—maintenance of resale, 89-90, 94, 99, 104
—seasonal movements of, 53
—stability of, 58, 113, 117

Print cloths, 26, 55-6, 68, 98

Product (see also Diversification)
—changes in design, 117
—concentration of, 78, 79
—non-competing, 6, 69
—shifts in, 79
—specifications, 52

Promotion, see Brand promotion

Purchasing:
—contracts:
—advance orders, 54, 58, 59-60, 67
—long term, 11
—problems, 18, 35

Quaker Lace Company, 91

Quality:
—control of, 4, 11, 31, 39, 41, 42-3, 58, 65, 78, 88, 105-6, 108-9
—improvement of, 100
—reputation for, 103
—trading down in, 100
—uniformity of, 97, 98, 109
—wearing, 100-1

Rayon:
—converting, 1, 17, 55-7, 58-69
—knit fabrics, 73-4, 75-6
—promotion of, 98-9, 105-8
—waste, 82
—woven goods, 71-3, 75-6
Rayon staple, 72-3, 75-6, 82
—cotton vs. worsted mills, 25, 61, 77
—preparation of, 83-4
Real Silk Hosiery Mills, Inc., 89, 112
Research, technical, 39, 42, 74, 84, 113
Retail:
—mark-down, 96
—mark-up, 89-91, 94, 96
—responsibilities, assumption of, through branding, 99, 102, 105
Retailing manufacturer, 25, 114
Retail stores:
—converting by, 112
—cooperative departments in, 91-2
—functions of, 88
—curtain distribution through, 37, 91-2
—garment distribution through, 16, 20-1
—sheet distribution through, 35
—surgical gauze distribution through, 43
—mill-owned, 4, 22, 89, 96-7
—need for cooperation with, 89, 101-2
—status of mill-made clothing in, 24
Rice-Stix Dry Goods Co., 114, 118
Riverside & Dan River Cotton Mills, Incorporated, 120
Roanoke Mills Company, 41
Robes:
—Palm Beach, 16
—men’s lounging, 24
Rosemary Manufacturing Company, 41

Sales agent, see Selling agent
“Sanforized,” 100
Seasonality:
—of consumption, 40
—of demand, 60
—of price changes, 53-4
Self-contained, 8
—knit-underwear mills, 28-9, 79-80
—woolen mills, 82-3
—worsted mills, 78

Sellers’ market, 6, 26, 43, 53-4, 62, 68, 113
Selling (see also Licensing):
—confined, 20, 25, 77, 101
—direct, 64, 89
—exclusive-agency, 23, 91
—movements, 53-4
—“open-market,” 20
—personalized, 93
—policies, 60-1
—pressures of, 40
—restricted, 102
—returns and allowances, 62
Selling agent, 5, 8, 29, 57, 64, 79
“Semi-converting,” 64
Sewing, home, 94-6
—decline in style centers, 95
—reasons for, 96
Sheets, 34-5, 89, 114, 120
Sherman Act, 90
Shirts:
—converting fabrics for, 3, 26-7
—distribution problems, 25-6
—sport and hunting, 23
Shopping goods, 91
Side-line products, 6, 9, 24, 26, 27, 31
Silk industry, ix, 96-7, 112, 117-8
Simons Company, 41
Simons, Ernest, Manufacturing Company, 34
Southbridge Finishing Company, 55
Southern Mills Corporation, 49
Specifications:
—product, 68, 105
—style, 68
Speculation:
—aspects of gray-goods weaving, 55
—minimizing, 14
—use of gray-goods market, 53
Spun rayon, see Rayon staple
Stability, see Operations
Standard Coated Products Corporation, 41, 47-8, 51
Stehli & Co., Inc., 2, 60
Stock turnover, 90-1
Stroock, S., & Co., Inc., 20-1, 100
Stünzi Sons Silk Co., Inc., 2, 60
INDEX

Style:
---bureaus, 6
---characteristics, 109
---changes in, 49, 74
---cycle, 56
---exclusive, 60
---experience with, 76
---in bedspreads, 35-6
---in curtains, 36
---in knitted underwear, 29
---in piece goods, 97
---permanency, 18
---point of, 13, 27, 54, 59, 67, 80, 115
---possibilities, with mixed yarns, 77
---shows, 96
---trends, 67, 106-7, 115
Style risks:
---effect of cancellations, 18
---in brand promotion, 92
---in converting, 55, 59
---in garment manufacture, 20, 26, 31-2, 103
---in spinning, 85
---in weaving, 54, 59
---increased, 6
---minimized, 5, 6, 115-6
Supply, 60
---certainty of, see Certainty
---limitation of, 106
---sources of, 5
Surgical gauze, 41, 43-6, 51, 114
Susquehanna Silk Mills, 59
Sweaters, 74, 79, 109
Tapered capacity, 8, 9-10, 14, 18, 27, 28, 118
---in bag making, 47
---in garment manufacture, 17, 115
---in spinning, 72, 80, 82, 86
---in surgical gauze manufacture, 44-5
---in weaving and converting, 65-6, 67
---limits to, 10
Tarpaulins, 39
Textile Foundation, Inc., The, iii, v
Tire cord, 39, 41-3, 119

Topmaking, 78, 116
Towels, 12, 38, 89, 91, 94
Trademark, see Brand promotion
Tubize Chatillon Corporation, 4, 10, 73, 106

Underwear industry, ix, 28-30, 70, 79-81
Underwear Institute, 79
Uniqueness:
---arousing consumer interest by, 100
---as basis for brand promotion, 97, 108
---in yarns, 61, 108
United Cotton Products Company, 45
United Drug Company, 44, 45
United States Institute for Textile Research, Inc., iv, v, viii
United States Rubber Co., 49, 108
Upholstery manufacture:
---for automobiles, 41
---linking spinning and weaving in, 78-9, 80-1
Utica and Mohawk Cotton Mills, Inc. 34

Van Raalte Company, Inc., 112
Variety:
---in fabrics, 32, 96-7
---in garments, 15-6, 31-2
---in household textiles, 38
---in men's wear, 25
---in women's ready-to-wear, 21-2
---in yarns, 74, 79, 85
---limitations of, 106, 114-5
---restrictions upon, 7
---stores, 95
"Vitalized," 100
Volume:
---curtailment of, 5, 85
---consumption, 85
---effect of selective distribution on, 103
---retail sales, 93-4

Walser Manufacturing Company, Inc., 119
Waynesboro Knitting Co., 30
Weaving:
---combined with converting, 53-69
---combined with garment manufacture, 15-33
---defects, 65
Western Shade Cloth Company, The, 41

Wholesalers:
—converting by, 112, 114, 118
—in curtain distribution, 37
—in garment distribution, 18, 32
—in knit underwear distribution, 79
—in sheet distribution, 35
—in shirt distribution, 26
—in surgical gauze distribution, 43

Women's ready-to-wear, 20-2
—attitude of buyers of, 102
—competition with piece-goods department, 95, 96
—problem of variety, 21-2

Women's wear:
—brand promotion of, 103-4
—use of mixed-fiber yarns, 77

Wool:
—woolen industry, ix, 41, 82-3, 112
—worsted industry, ix, 59, 61, 70, 76-8, 80-1

Yard goods, see Piece goods

Yarn (see also Market):
—and fabric manufacture, 70-87
—branding of, 105-10
—colored, 85
—constructions, 61
—converting of, defined, 71
—defects, 73
—elastic, 108
—for hosiery, 43
—for wire insulation, 41, 43
—hand-knitting, 96, 109
—knitting, 77
—manufacture, defined, 71
—mercerized cotton, 108-9
—mixed fiber, 61, 77-8, 82
—novelty, 77
—rayon, 71-4
—surplus, 75
—worsted, 74-5, 76-8, 109
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