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Volume Author/Editor: George Heberton Evans, Jr.

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CHAPTER 7

An Industrial Classification of Incorporations

Through study of the kinds of business for which the corporations were chartered, that is, through study of what in corporation law are usually called the purposes or objects of incorporation, a fairly good picture of the United States at work and at play can be constructed. Be it the mania for skating rinks or Tom-Thumb golf courses or the feverish organization of 'trusts', an impress has been left upon business incorporations. Sometimes, a reading of the merenames of the newly chartered companies chronologically arranged suffices to indicate the nature of a wave of entrepreneurial activity. For example, a list of Ohio incorporations clearly reveals a fad for skating rinks in the winter of 1884-85 and one for miniature golf courses in the summer of 1930.1 A simultaneous wave of Tom-Thumb golf courses occurred in New York, reaching such proportions that in August 1930 the Secretary of State of New York said:

"Hardly a day passed during the past month that did not witness anywhere from one to four or five companies incorporating to construct and maintain a Tom Thumb golf course. If one is to judge from the number of such courses already built, there must be tens of thousands of players each day."²

The company name—the chief basis for the industrial classifications of Chapter 3 except as noted otherwise-often furnishes a clue to the purpose for which a concern was chartered, but more precise information can be procured. The charter, of course, is a primary source of information, but it is not to be used without great care. The first difficulty encountered in an attempt to determine the main object of an incorporation from the purpose clauses of the charter is to select one purpose from the many that often seem of equal importance. This difficulty is not as great in the case of early charters as in that of more recent ones; the modern corporation is not modest in stating its objectives. Efforts to disguise the objects of the corporation are another source of difficulty. Concealed aims, however, have not been especially frequent since the enactment of general incorporation laws. Disguise characterizes chiefly the era of the special charter, when legislatures were averse to granting certain types freely. A third

difficulty must be faced by one who plans to classify industrially a large number of corporations. The average charter is so long that no investigator can read many from the first line to the last. Fortunately, some states have published brief abstracts of charter purpose statements. These abstracts, from which the basic information for the industrial classifications described in this and the next chapter was derived, represent the opinion of some local officer, and may or may not fairly interpret the main objects of the companies. The resulting errors are, however, probably not often serious, since contemporaneous judgments by local authorities, who are familiar with many of the incorporators or their agents, may be expected to have a rather high degree of reliability. Finally, these abbreviated statements of purpose may be misinterpreted.

Several supplementary types of information are aids to an industrial allocation, for example, the name of a company. An enterprise that could be classified from its charter description as either a mining company or a coal dealer, may well be placed in the mining category if the word mining appears in the corporate name. Occasionally the name can be allowed to play a more decisive role. For instance, the official summary of the charter purpose statement of the Pittsburgh Cigar Machine Company, incorporated by Pennsylvania on January 26, 1900, read: "Manufacturing iron and steel or both, or any article of commerce from wood, metal or both."3 Despite the vagueness of this description, the company was put in the manufacturing subgroup that includes companies producing "specialized machinery other than transportation equipment and electric machinery"—class bta of Table 19.

The size and location of the corporation may also be items to note in deciding ambiguous cases. The amount of the authorized capital stock is seldom helpful in classifying corporations by objectives, but it frequently provides a clue to what is going on in the community. The sharp rise around 1899 in the number of very large New Jersey companies, which even a cursory survey of incorporations cannot fail to reveal, reflects combinations and monopolistic activities. The kind of articles produced or handled may also facilitate the determination of corporate purpose. For example, a company authorized "to manufacture, buy, and sell" a wide variety of articles usually stocked by drug stores can be treated—

See the Annual Report of the Secretary of State to the Governor of the State of Ohio, for the year 1885 (Columbus, 1885), p. 256, and the Annual Report of the Secretary of State to the Governor and General Assembly of the State of Ohio for the Year Ending December 31, 1930 . . . (Cleveland, 1931). The golf course companies must be picked out of the group headed "Miscellaneous Companies", which appears on pages 36-71 of the latter Report.

² Press release on incorporations, dated August 1930.

³ List of charters of corporations enrolled in the office of the Secretary of the Commonwealth . . . June 1, 1899 . . . [to] June 1, 1901, p. 69.

Table 19

Industrial Categories used in Classifying Incorporations

			Industrial Categories used in	1 Classify	ing I	ncorporations
Α	Min	ing an	d Quarrying	\mathbf{BG}	Rubl	ber products
			l mining	i	bga	Tires and inner tubes
		aaa	Iron		bgb	Other rubber products and industries (includ-
		aab	Copper	DII	т	ing reclaimed rubber and those not allocable)
		aac	Lead and zinc	ЪП		ber and timber basic products Logging and sawmills
		aad	Gold and silver Other metals (including manganese, aluminum,			Planing mills
		aae	mercury, and radium)		bhc	Others (including those not allocable)
		aaf	Unallocable		bhd	Stream improvement for log movement
	\mathbf{AB}		mining	BI	Furn	niture and finished lumber products
	\mathbf{AC}		e petroleum and natural gas production (in-		bia	Furniture (wood and metal)
			ng field service operations)		bib	Wooden containers (including barrels and
		aca	Prospecting for petroleum		bic	boxes) Others (including matches regardless of ma-
	۸D	acb	Others netallic mining and quarrying		DIG	terial, cork products, and those not allocable)
	AD	ada	Stone, sand, and gravel (including slate, mar-	$_{\mathrm{BJ}}$	Pape	er and allied products
		uuu	ble, and limestone)	BK	Prin	ting, publishing, and allied industries
		adb	Other mining and quarrying (including clay,	$\mathbf{B}\mathbf{M}$	Cher	nicals and allied products
			asbestos, mica, rock salt, and those not al-		bma	Paints, varnishes, and colors
	4 177	m.	locable)		bmb	Soap and glycerin
	ΑE	Inos	e not allocable to a two-letter group			Drugs, toilet preparations, and insecticides Rayon fibre and allied products
	TD 74					Fertilizers
A/	в м	ining	and Manufacturing		bmf	
ъ	N/					cants and cooking and salad oils; including cot-
В		ufactu	and kindred products		_	ton seed products and marine oil)
	DA	baa	Bakery products			Plastic materials
		bab	Confectionery and related products (including			Others (including industrial chemicals)
			chocolate and cocoa products)	BM		Unallocable ucts of petroleum and coal
,		bac	Canning and preserving fruits, vegetables, and	DIA		Petroleum refining
			sea foods			Others (including those not allocable)
		bad	Meat products	\mathbf{BP}	Stone	e, clay, and glass products
	• •	bae baf	Grain-mill products Dairy products (including ice cream)		bpa	Brick, tile, and other structural clay products
		bag	Sugar (cane and beet)		bpb	Pottery and related products (including porce-
		bah	Others (including flavoring syrups)		hna	lain)
		bai	Unallocable		bpc bpd	Glass and glass products Cement
	$\mathbf{B}\mathbf{B}$	Bever	ages		bpe	Concrete, gypsum, and plaster products (in-
			Malt and malt liquors		Брс	cluding lime)
		bbb	Distilled, rectified, and blended liquors		bpf	Others (including abrasives, asbestos products,
			Wines Nanalachalia hayaragag (including asybanatad		_	graphite, and cut stone)
		bba	Nonalcoholic beverages (including carbonated water, and birch and root beers)	D0	bpg	Ünallocable
		bbe	Others (including those not allocable)	$\mathbf{B}\mathbf{Q}$		and steel and their products
	\mathbf{BC}		cco manufactures (including snuff)		bqa bqb	Blast furnaces, steel works, and rolling mills Fabricated structural steel and ornamental
	BD	Texti	le-mill products		bqb	metal work
		bda	Cotton		bqc	Tin cans and other tinware
			Woolen and worsted		bqd	Tools and general hardware (except machine
		bdc	Silk	•		tools and cutlery)
		bdd	Rayon and other synthetic textile-mill prod- ucts		bqe	Heating apparatus (except electric), enam-
		bde	Knit goods (including hosiery)			eled-iron sanitary ware, and boiler-shop
		bdf	Hat bodies (except cloth and millinery)		bqf	products Others (including cutlery, foundry and wire
		bdg	Carpets		~41	products [including cast iron pipe], and
		bdh	Dyeing and finishing textiles (except woolen			stamped metal)
		1 1'	and worsted)			[for foundry and machine shop combined, see
		bdi	Other textile-mill products			btb]
	\mathbf{BE}	bdj Annar	Unallocable rel and other finished products made from fab-	DD	bqg	Unallocable
	טט	rics a	nd similar materials	ьк	bra	errous metals and their products Clocks and watches
			Men's and boys' clothing (except fur and rub-		brb	Jewelry (excluding silverware and plated ware)
			ber clothing, and knitted goods)		brc	Others (including those not allocable)
		beb	Women's, children's and infants' clothing (ex-	\mathbf{BS}	Elect	rical machinery
			except fur and rubber clothing, and knitted		bsa	Automotive electric equipment
		hee	goods)		bsb	Radio apparatus (including phonographs ac-
		bec bed	Fur goods Millinery		has	cessory to radios)
		bee	Other apparel		bsc	Electrical appliances (except refrigerators, washing machines, and sewing machines)
		bef	Unallocable		bsd	Others (including those not allocable)
	\mathbf{BF}		er and leather products	\mathbf{BT}	Mach	inery (except electrical)
		bfa	Leather: tanned, curried, and finished		bta	Special industry machinery (including textile
		bfb	Footwear (except rubber)		L /	machinery)
		bfc	Other leather products (including those not allocable)		btb	General industrial machinery (including foun-
			IOOMDIO)			dry and machine shops)

BV

BW

Table 19 (concl.)

- Metalworking machinery (including machine btc tools) Engines and turbines btd bte Construction and mining machinery btf Agricultural machinery and tractors Office and store machines, equipment, and supbtg plies Others (including refrigerators, washing machbth ines, and sewing machines)
 Unallocable bti BU Automobiles and automobile equipment Trailers bua Others (including those not allocable) bub Transportation equipment (except automobiles) by Railroad equipment (including locomotives, and railroad and street cars) Aircraft and parts Ship and boat building hvh bvc bvd Motorcycles, bicycles, and parts Others (including wagons, carriages, sleighs, push carts, carts, and wheelbarrows)
 Unallocable bve Miscellaneous manufacturing industries Ice (natural and manufactured) hwa. Others (including professional and scientific instruments, musical instruments, toys, pens, pencils, buttons, costume jewelry, brooms and brushes, and furs, dressed and dyed) Phonographs and records (except phonographs accessory to radios) BX Those not allocable to a two-letter group Public Utilities CA Transportation Railroads (including belt lines) caa Railway express cab Street railways (including interurban railways Cac and subways) City and suburban bus lines (including omnicad bus lines) Interstate and interurban busses (including stages and terminals)
 Taxicabs (including horse-drawn cabs) cae caf Interstate and interurban motor freight carriers (including horse-drawn vehicles) cah Local trucking and warehousing Air transportation cai Pipe line transportation cai Water transportation other than ferries and cak canal construction and operation Canal construction and operation (including cam river improvement) can Ferries Others and allied services (including stockcap
- Unallocable caq $^{\mathrm{CB}}$ Communication Telephone cha

Telegraph cbb

cbc

Radio broadcasting

cbd Others (including those not allocable)

yards and ticket agents)

CC Other public utilities cca Electric light and power

Gas production and distribution (except natural gas production)

Water (excluding irrigation companies) ccc

Bridges ccd

cce Turnpikes

Others (including steam heat supply, sewerccf age, and tunnels)

Unallocable ccg

D Wholesale Trade (exclusively)

DA Merchant wholesalers

Commission merchants, manufacturers' agents, and DB merchandise brokers

- DCOthers (including those not allocable to a two-letter
- E Retail Trade (including the combination of wholesale and retail trade)
 - EA Department, general merchandise, and dry-goods stores

Limited price variety stores

EC Mail-order houses

EDFood stores $\mathbf{E}\mathbf{E}$

Drug stores Clothing stores EF

EG

House furnishings and furniture stores Restaurants and other eating and drinking places EH \mathbf{EI} Automobile dealers (including sellers of parts and accessories)

EJFilling stations EK

Hardware stores

 $\mathbf{E}\mathbf{M}$ Lumber and building supplies yards

EN

Coal and fuel yards Others (including cigar stores, book stores, jewelry \mathbf{EP} stores, florists, music stores, and ice dealers)

Those not allocable to a two-letter group

Service

FA Domestic and personal faa Hotels, boarding houses, and camps Laundries (including cleaning and dyeing plants)

fac Photographic studios (including commercial photography)

Others (including barber shops, beauty shops, clothes cleaning and pressing shops, and undertaking establishments)

Unallocable fae FBBusiness service

Advertising fba

fhh Others (including those not allocable)

Auto repair services and garages

FD Amusement

Motion picture production and distribution Motion picture theatres fda

fdb

fdc Auditoriums, opera houses, and theatres

Others (including fairs, clubs, and those not fdd allocable)

FE Others (including political, charitable, and religious organizations, engineering and professional services, accountants, schools, colleges, hospitals, sanatoriums, and those not allocable to a two-letter group)

G Finance, Insurance, Real Estate, and Lessors of Real Prop-

erty
GA Commercial banks, trust companies, and safe deposit
companies (including nonmutual savings and loan

Building and loan associations (including mutual savings and loan associations)

Other mortgage and title companies

GDInvestment trusts and companies

GEHolding companies

GFStock, bond, and commodity brokers, and investment

Commercial credit and finance companies, and industrial and personal loan companies

Other finance companies (including patent holding or buying and licensing)

GI Insurance

Real estate (including townsite improvements) G.I

Those not allocable to a two-letter group (including GKequipment trusts)

- H Construction—contractors and subcontractors
 - HA Construction of railways

HB Other construction

- Agriculture, Forestry, and Fishery (including cotton ginning, irrigation, compressing cotton, and baling hay)
- Those not allocable to a major division

if other evidence is corroborative— as a trading rather than a manufacturing concern. The compilers of the state reports in which the data on incorporations are to be found have sometimes for publication purposes grouped companies along industrial lines; building and loan associations, for instance, are listed together. These classifications certainly cannot be accepted without question. They must be used merely as supplementary information. When there is doubt about the classification of a large corporation, resort may be had to the Commercial & Financial Chronicle and the Poor and Moody Manuals.

Even with the assistance of all available data, erroneous classifications may be made. For example, a concern may appear from the charter abstract and other printed material to be a planing mill with a builders' supply business tacked on, but upon examination first-hand, it may be found to be a lumber yard with an insignificant portion of its income derived from the mill operations. For this type of error, there is little check. Table 20, discussed below, gives evidence that there is no serious error in the classification work described in this chapter.

Short statements of the industrial purposes for which corporations have been created can be procured in readily accessible form for many years for at least three states: New Jersey, Ohio, and Pennsylvania.4 In reports of the Secretary of State for each of these states, the newly chartered companies are listed, sometimes chronologically, sometimes alphabetically. Most of the data worked for this and the next chapter are derived from charters granted under general laws by New Jersey, 1875-1907, by Ohio, 1872-1930, and by Pennsylvania, 1888-1920 (App. 4). When desirable, this material is linked with that of Chapter 3, which for the most part is built upon less precise information. The state reports here utilized give the name of each company, its authorized capital stock, and a brief summary of its charter purpose statement. In addition, the companies are sometimes grouped in the reports by industries. In the Ohio reports, for example, manufacturing companies are listed together, subdivided into narrower groups.

On the basis of these abstracts, incorporations were classified according to the industrial categories of Table 19, which are similar to those in the *Standard Industrial Classification* of the Central Statistical Board.⁵ In fact, the classification scheme of Table 19 for manufacturing

and mining is almost identical with that of the Board. The other major categories of Table 19—those for Public Utilities, Wholesale Trade, Retail Trade, Services, Finance, Construction, and Agriculture—differ in internal arrangement from the Board's corresponding categories largely because they were set up before the Board had published its arrangement for the nonmanufacturing field. In comparing Table 19 with the Board's classification scheme it must be remembered that many companies were chartered in industrial fields that are no longer of great importance. To avoid losing detail on the early companies, some industrial classes had to be given more prominence than they would have had if present day corporations alone had been treated. On the other hand, the purpose statements abstracted from the charters of certain types of corporation were not explicit enough to warrant as much detail as that contained in the Board's classification scheme.

The 183 basic, that is, undivided, classes of Table 19 are not of equal scope. Roughly 2 percent are one-letter classes. Agriculture, Construction, and an unallocable class (J) were the only one-letter categories used without subdivision in the grouping of Pennsylvania companies; for the New Jersey and Ohio data it was deemed advisable to have a Mining and Manufacturing class (A/B) for the companies that cut across those two major industrial groups and did not appear to belong really to either group. Of course, figures for other one-letter classes, such as Mining or Manufactur-

- ⁶ In addition to the absence of a certain amount of detail from Table 19 and the prominence given certain currently obsolete industries, the important differences between Table 19 and the classification scheme of the Central Statistical Board are:
- 1) The manufacture of beverages appears in Table 19 as a twoletter category while in the C.S.B. classification it is a threedigit category in the *Food and Kindred Products* group.
- 2) The production of ice is likewise a part of food manufacture in the C.S.B. classification; but in Table 19 it appears as a type of *Miscellaneous Manufacturing*.
- 3) Cutlery manufacturing in Table 19 is in the Others class of the iron and steel group, while in the C.S.B. classification it is placed with tools and general hardware and as such constitutes a three-digit category in the iron and steel section. (In Table 19 Tools and General Hardware appears as a three-letter category.)
 4) The manufacturing of phonographs and records appears in Table 19 as a subdivision of Miscellaneous Manufacturing; in the C.S.B. classification it is part of Communication Equipment, a subdivision of the Electrical Machinery group.
- 5) Communication Equipment, a subdivision of the Electrical Machinery manufacturing group of the C.S.B. classification, does not appear in Table 19 as such. The production of such material would appear in Table 19 under Radio Apparatus (a subdivision of Electrical Machinery) or Phonographs and Records (a subdivision of Miscellaneous Manufacturing Industries) or the Others class of the Electrical Machinery manufacturing group.
- ⁷ As explained below, the two classes of Table 19 that are lettered A/B and HA were not used on the Pennsylvania data.

⁴ Other states, including Colorado and Texas, have published information on the purposes for which corporations have been chartered. Some of these data have been used in part in the following pages to supplement the figures for New Jersey, Ohio, and Pennsylvania.

⁵ (Washington, D. C., 1939-40), I, Parts 1-4, and II, Parts 1-3.

Table 20 A Sample of Pennsylvania Corporations Chartered in 1902 Classified on Basis of Bradstreet and Charter Descriptions

NAME OF COMPANY	BRADSTREET DESCRIPTION OF BUSINESS ^a	INDUSTRIAL CLASSIFICA- TION ON BASIS OF BRADSTREET DESCRIPTION	ABSTRACT OF CHARTER PURPOSES QUOTED FROM List of Charters of Corporations ^b	INDUSTRIAL CLASSIFICA- TION ON BASIS OF CHARTER ABSTRACT
Abington Dairy Co.	Dairy	baf°	Manufacture of butter, cheese, buttermilk and all	baf
Acme Department Store Alcott-Ross Co.	Groceries, etc. Lumber & mill work	EA bhb	other products made from milk Trading in merchandise at wholesale and retail Manufacturing and selling lumber, mill-work, and builders' supplies	EA bhb
Allegheny Plumbing Co. Allentown Bobbin Works	Plumbing Bobbin works	H- bta	Carrying on the plumbing business Manufacturing bobbins and other implements used in the manufacture of silk and cotton fabrics	H bta
American Cement and Tile Manufacturing Co.	Cement and tile manu- facturing	bpg	Manufacturing tile and all other articles of com- merce from any material whatever, by patented	bpg
American Foundry and Machine Company	Foundry and machine co.	btb	and unpatented processes, either or both Making anything of iron, steel, brass, composition, wood, or a combination of any and all of them; for the purpose, generally, of carrying on the business of a machine-shop and iron and brass	btb
American Manufacturing and Novelty Co.	Wooden specialties	bic	foundry Manufacture of step ladders, lawn swings, iron or steel, or both, or of any other metal, or of any	bi c
American Narrow Fabric Co.	Manufacturers	bdj	article of commerce from metal or wood, or both Manufacture of braided and woven narrow fabrics	bdj
American Planing Mill Co.	Planing mill	bhb	of cotton, linen and silk Manufacturing of and selling all kinds of lumber and builders' supplies	bhb
Arco Manufacturing Co.	Metal specialties	BX	Manufacture and sale of iron or steel, or both, or of any other metal, or articles of commerce from	BX
Armstrong County Trust Co.	Trust co.	GA	metal alone or in connection with other materials Insurance of owners of real estate, mortgagees, and others interested in real estate, from loss by	
Armure Tapestry Mill Autocrat Shirt Waist Manu- facturing Co. of Wilkes- Barre	Tapestry mill Shirt waist manufacture	bdj beb	reason of defective titles, liens and incumbrances Manufacturing textile fabrics Manufacturing and selling of gentlemen's and ladies' shirt waists and wearing apparel and articles of a similar character	bd j bef
Breon Table Co.	Manufacturers	bia	Manufacture and sale of tables, furniture and other articles made of wood	biá
Butler Silk Mill	Silk mill	bdc	Manufacturing, weaving and making silk, cotton, woolen and other textile goods, and of manufacturing and making silk, cotton, woolen thread	bd c
C. Schmidt & Sons Brewing Co.	Brewery	bba	and yarns Manufacture of beer and malt, and of brewed and malt liquors, and for the sale of the same so manufactured	bba
Cadwallader Tin Plate and Metal Co.	Manufacturers	bqa	Manufacture of iron or steel, or both, or of any other metal, or article of metal, wood, or both	bqa
Carnegie Mill and Lumber Co	Mill and lumber co.	bhb	Acquiring and manufacturing lumber, doing mill- work, furnishing building supplies, acquiring and making all articles manufactured from wood,	bhb ·
Central Pennsylvania Trust Co.	Trust co.	GA	and selling and otherwise disposing of the same Insurance of owners of real estate, mortgagees, and others interested in real estate, from loss by reason of defective titles, liens and incumbrances	GC
Citizens' Ice Co. Colonial Trust Co.	Ice company Trust co.	bwa GA	Manufacture of ice Engaging in and carrying on the business of the insurance of owners of real estate, mortgagees, and others interested in real estate, from loss by reason of defective titles, liens and incumbrances	bwa GC
Connellsville Distilling Co. Croton Limestone and Brick Co.	Distillery Limestone and brick com-	bbb bpa	Manufacturing and distilling spirituous liquors Digging and quarrying clay and limestone, and manufacturing the various products therefrom	bbb b p a
D. L. Clark Co.	Wholesale confectionery	DA	Manufacturing and dealing in crackers, candies and bakery and confection products and sup-	ba i
Davis Textile Co.	Textile company	bdj	plies generally Manufacturing and selling textile fabrics	bdj

The Bradstreet Company, Bradstreet's Book of Commercial Ratings of Bankers, Merchants, Manufacturers in the United States and the Dominion of Canada (Sept. 1905), Vol. 151.

b List of Charters of Corporations enrolled in the office of Secretary of the Commonwealth during the two years beginning June 1, 1901, and ending June 1, 1903... (1903), pp. 51-65.

c Unless a dairy was very small or there was specific reason to classify it as a mere distributor, it was treated as a manufacturing

Table 20

NAME OF COMPANY	BRADSTREET DESCRIPTION OF BUSINESS ³	INDUSTRIAL CLASSIFICA- TION ON BASIS OF BRADSTREET DESCRIPTION	ABSTRACT OF CHARTER PURPOSES QUOTED FROM List of Charters of Corporations b	INDUSTRIAN CLASSIFICA- TION ON BASIS OF CHARTER ABSTRACT
Donley Brick Co.	Brick company	bpa	Quarrying, mining and digging of limestone, sand- stone, clay and shale, and the manufacturing from said limestone, sandstone, clay and shale of fire brick, pressed brick, stock brick, paving brick, common brick, decorative bricks and all manner of bricks, sewer pipe, tile pipe, building tile, crushed stone, paving stone, building stone, lime and sand, and the sale thereof, and the by- products thereof, to be used for any purpose, and for purchasing, leasing or holding, upon royalty or upon rental, clay or shale lands, from time to time, when and as the same shall become necessary or convenient in the transaction of the business of the said company	bpa
Excelsior Planing Mill Co. of Reading, Pennsylvania	Planing mill	bhb	Manufacture of doors, sash, blinds, shutters, win- dow and door-frames, and other articles of com- merce from wood	bhb
F. W. Crandall Co.	Manufacturers of toys and hardware special- ties	bwb	Manufacture and sale of chairs, toys, novelties, building materials, lumber and other articles of metal or wood, or both	bic
Fayette R. Plumb & Sons, Inc.	Manufacturers of edge tools, etc.	bqf	Manufacture of railroad, miners' and blacksmiths' tools, and edge tools generally, and of all other similar articles of commerce of iron or steel, or both, or of any other metal	bqf
Finley Acker Co.	Grocers and manufac- turers of confectionery	J	Manufacturing and selling all articles of food, con- fectionery, toilet articles, groceries and gen- eral merchandise	J
Fleischman Distilling Co.	Distillery	bbb	Engaging in and carrying on the business of dealing in spirituous and vinous liquors and rectifying and compounding the same and selling the same at wholesale	bbb
George C. Anderson and Sons, Inc.	Contractors	H	Erecting and constructing dwellings and other houses and buildings, and furnishing and sup-	н
Germantown Telegraph Publishing Co.	Printers and publishers	BK	plying the necessary building materials Publishing the Germantown Telegraph newspaper, and for the general purpose of the transaction of a printing and publishing business	вк
Greensburg Foundry and Machine Co.	Foundry and machine co.	btb	Manufacture of iron or steel, or both, or of any other metal, or of any article of commerce from wood or metal, or both	btb
H. H. Maus & Co., Inc.	Wholesale lumber and railroad ties	DA	Buying, selling, trading and dealing in lumber, railroad ties, wood, etc., at wholesale, under act	DA
Haney-White Co. Herald Publishing Co. of	Builders' supplies Publishing	EM BK	approved 25th June, 1895 Buying and selling merchandise Transaction of a printing and publishing business	EQ BK
Pittsburgh, Pa. Hyde Carbon Black Co.	Manufacturers of lamp- black	bmb	Manufacturing, marketing and selling lampblack, carbon black, gas black, amorphous carbon, and other products, articles and materials of like nature and character	bmh
J. C. Lappe Tanning Co.	Tanning	bfa	Manufacture of all kinds of leather, and all articles of commerce composed wholly or partly of leather	bfa
J. W. Hodil Co.	Contractors	H	Purchase and sale of real estate, including power, from time to time, to subdivide lots or acreage, to sell, hold or lease the same, negotiate loans secured by mortgage thereon, or improve real estate by the erection of buildings or otherwise	GJ
James G. Corcoran Co.	Contractors	H	Carrying on the business of the construction of and contracting for buildings and railroads and general construction	н
John Crompton Co.	Manufacturers of paper boxes .	ВЈ	general construction Manufacturing paper, paper or pasteboard boxes, paper or pasteboard bags, paper goods and specialties, or any article of commerce manu- factured from paper or pasteboard, either alone or in combination with wood, muslin, metal, glass or any other substance, and of selling such products so manufactured	BJ
Joseph Hendler Construc- tion Co.	Construction	н	Conducting a general construction and contract- ing business	Н

TABLE 20 (cont.)

NAME OF COMPANY	BRADSTREET DESCRIPTION OF BUSINESS ⁴	INDUSTRIAL CLASSIFICA- TION ON BASIS OF BRADSTREET DESCRIPTION	ABSTRACT OF CHARTER PURPOSES QUOTED FROM List of Charters of Corporations b	INDUSTRIAL CLASSIFICA- TION ON BASIS OF CHARTER ABSTRACT
Joseph Woodwell Co.	Wholesale and retail	EK	Buying, selling, trading and dealing in hardware,	EK
Kane Trust & Savings Co.	hardware Trust and savings company	GK	at wholesale and retail Insuring owners of real estate, mortgagees, and others interested in real estate, from loss by	GC
Karl Schlatter Dye Works	Dye works	bdh	reason of defective titles, liens and incumbrances Manufacturing, dyeing and selling all kinds of fabrics, yarns and threads, made or to be made	bdh
Kaufman Brothers	Department store	EA	of cotton, wool, linen, silk or other materials Buying, selling and dealing in goods, wares and	EQ
Keystone Sand and Supply Co.	Sand	EM .	merchandise at retail Buying and selling, trading and dealing in, sand, gravel, lime, cement, brick, and other and all kinds of building and builders' supplies	EM
Keystone Foundry Co.	Manufacturers of iron and steel	bqf	Manufacture of iron or steel, or both, or of any other metal, or article of commerce from metal, or wood, or both, and for the sale of the same	bqf
Keystone Silk Weaving Co.	Manufacturers of woven silk labels	bdc	Manufacturing and selling silk labels, shoe facing	bdc
Lackawaxen Creamery Co.	Creamery	baf	and other woven goods Manufacturing butter and cheese, and selling the	baf
McCandless and Gordon Company	Men's furnishing	EF	same Engaging in and carrying on the business of buy- ing, selling, dealing in men's furnishing goods, at retail	EF
McKinney Manufacturing Company	Hinges	bqd	Manufacture of iron and steel, or both, or of any other metal, or of any articles of commerce from metal or wood, or both	BX
Nansen Supply Company	General store	EA.	Buying, selling, vending, trading and dealing in any kind or kinds of goods, provisions, wares and merchandise, at retail or wholesale, or both retail and wholesale combined	EQ
Northern Trust and Savings Company	Trust and savings company	GK	Insurance of owners of real estate, mortgagees, and others interested in real estate, from loss by reason of defective titles, liens and incumbrances	GC
Ontwood Hotel Company P. C. Fulweiler and Bro. Company	Hotel Manufacturers of cigars	faa BC	Maintaining and conducting an hotel Manufacture and sale of cigars, tobies, cheroots, and tobacco and any of its products, including cigarettes, snuff, smoking and chewing tobacco	faa BC
Patterson Coal and Supply Company	Coal and supply company	EM	Buying and selling coal, lumber, lime, cement, and a general line of builders' supplies	EM
Paxtang Electric Company	Electric company	cca	Supplying light, heat and power by means of electricity to the public of the city of Harrisburg, State of Pennsylvania, and to persons, partnerships and associations residing therein and adjacent thereto as may desire the same	cca
Penn Furniture Company	Manufacturers	bia	Manufacturing and selling all kinds of furniture, and to sell and manufacture any and all goods or materials used therein	bia
Peter Woll and Sons Feather Company	Manufacturers of bed- ding supplies	bia	Manufacture of bedding supplies	bia.
Peter Woll and Sons Manu- facturing Company	Upholsterers' and brush makers' supplies	bwb	Manufacture of upholsterers' mattress and brush supplies	bwb
Presque Isle Laundry Company	Laundry	fab	Cleansing, bleaching, starching and smoothing textile fabrics by the use of machinery and me- chanical appliances and the application of skilled manual labor, and the carrying on of a	fab
Rambo and Regar, Inc.	Manufacturers of hosiery	bde	laundry business Manufacturing and selling knit goods and knitting	bde
Reifler and Sons, Inc.	Lumber and manufac- turers of acids	bmh	machinery Manufacturing and selling lumber and wood alcohol, acetates, charcoal, and other products	bmh
Ridgway Sandstone Com-	Sandstone	ada	made from wood by destructive distillation Mining, quarrying and selling stone and sand	ada
Robert W. Tunis Manufac- turing Company	Printing presses	bta	Manufacture and sale of printing presses, type, printers supplies, and any article of commerce	bta
Rose Hill Hair Drawing Company	Wholesale horse hair	DA	made from wood or metal, or both Selling, drawing, and manufacturing horse hair, cow hair, bristles, and kindred articles and	bwb
Rosenbaum Company	Department store	EA	products Buying and selling, at wholesale and retail, dry- goods, notions, millinery and general merchan- dise	EA

Table 20

NAME OF COMPANY	BRADSTREET DESCRIPTION OF BUSINESS [®]	INDUSTRIAL CLASSIFICA- TION ON BASIS OF BRADSTREET DESCRIPTION	ABSTRACT OF CHARTER PURPOSES QUOTED FROM List of Charters of Corporations b	INDUSTRIAL CLASSIFICA- TION ON BASIS OF CHARTER
·				ABSTRACT
Saucony Shoe Manufacturing Company	Shoe manufacturing	bfb	Manufacturing boots and shoes from leather and other materials	bfb
Scranton Journal Publishing Company	Publishing	BK	Doing a general printing and publishing business in all its branches	BK
Shenandoah Trust Company	Trust company	GA	Insuring owners of real estate, mortgagees, and others interested in real estate, from loss by reason of defective titles, liens and incumbrances	GC
Smith Bros. Brick Company	Brick	bpa	Manufacture of brick, tile, terra-cotta and other products that can be manufactured from shale	bpa
Sportsmen's Supply Com-	Sporting goods	EP	or clay Trading and dealing in goods and merchandise generally at wholesale and retail	EP
Spring Brewing Company	Brewery	bba	Manufacturing and selling lager beer, ale and	bba
Steelton Trust Company	Trust Company	GA	Insurance of owners of real estate, mortgagees, and others interested in real estate, from loss by	GC
Sterling Automatic Instantaneous Water Heater	Water heaters	bqe	reason of defective titles, liens and incumbrances Manufacturing the Sterling Automatic Instantane- ous Water Heater, and any article of commerce	bqe
Company Surburban Gas Company of Philadelphia	Gas company	ecb	of metal or wood, or both Manufacture and supply of gas for light only to the public in the city of Chester, the township of	ccb
			Chester and Lower Chichester, and such boroughs as may be in existence or may be created within the territorial limits of the said townships, and to such persons, partnerships, corporations and associations residing therein and	
Susquehanna Dye Works	Dye works	bdh	adjacent thereto as may desire the same Manufacturing and selling the ingredients and materials used in dyeing and cleansing thread, yarn or cloth, of silk, cotton, wool or other fabrics, and to dye thread, yarn, or cloth, or fabrics of silk, cotton, wool or other material,	bdh ·
Susquehanna Store Company	Store	EQ	and to sell such dyed materials or products Buying and selling any kind or kinds of goods, wares and merchandise, at wholesale and retail	EQ
Tacony Iron Company	Manufacturers of soil pipes	bqf	Manufacture of iron and steel, or both, or of any other metal, or of any article of commerce from	bqf
Tacony Soap Company	Manufacturer s	bmb	metal or wood, or both Manufacturing soaps and soap makers' materials	bmb
Tarentum Savings and Trust	, ,	GK	and supplies Insurance in real estate, from loss by reason of de-	GC
Company Union Razor Company Union Trust Company of Donora	pany Manufacturers of cutlery Trust company	bqf GA	fective titles, liens and incumbrances Manufacturing and selling cutlery Engaging in and carrying on the business of the insurance of owners of real estate, mortgagees,	bof GC
Donora			and others interested in real estate, from loss by	
Wallis and Carley Company	Lumber and planing mill	bhb	reason of defective titles, liens and incumbrances Manufacture and sale of lumber, lath, shingles, doors, sash, blinds, frames, mantels, brackets,	bhb
			mouldings, and all kinds of furnishings and trimmings for houses and other buildings and the conduct of the general business of contract-	
William T. Leggett Company	Wholesale cement	DA	ing and building Buying, selling, trading and dealing at wholesale in lime, cement, slate, plaster, and builders' and	DA
Wolf Company	Manufacturers of flour mill machinery	bta	contractors' supplies of kindred character Manufacture of mill machinery and supplies, and of iron or steel, or of any other metal, or of any article of commerce from metal or wood, or both, and the buying or selling of such articles	bta
Wrightsville Light and Power Co.	Light and power	ccg	Manufacturing light, heat or power by means of electricity in the borough of Wrightsville, or to such persons, partnerships and associations re- siding in or adjacent thereto as may desire the	cca
Youghiogheny Stone Company	Stone	ada	same Quarrying, mining, crushing and preparing for market stone, or other materials incidentally developed	ada

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ing, can be built up by combining the proper basic classes; but that is a different matter. The 183 categories give the data in the most minute groupings feasible. Twenty percent of the classes are undivided twoletter ones. The manufacture of paper and of tobacco -both major subdivisions of the one-letter category, Manufacturing—are among the two-letter classes used. One two-letter category of Table 19—Construction of railways (HA)—was not part of the scheme when the Pennsylvania data were worked but was added when the New Jersey and Ohio companies were classified. In the latter two states there seemed to be enough such corporations to make it desirable to set up a separate class. Seventy-eight percent of the classes are threeletter ones, illustrated by the manufacture of paint, of soap, and of drugs. Each is a subdivision of the manufacture of chemicals (a two-letter class), which in turn is a major division of the broad one-letter class, Manufacturing.

The reliability of the published abstracts as an index of corporate purposes was tested by Pennsylvania data (App. 5). After all incorporations of that state in 1889, 1902, and 1916 had been classified industrially on the basis of the charter abstracts, a sample of 225 companies was drawn for each year. These companies were looked up in Bradstreet's rating books, and from their statements of objectives were again classified industrially. In both operations, company names were taken into account whenever they were a clue to the nature of the enterprise. The two classifications were made at periods sufficiently far apart to prevent the memory of the compiler from influencing the second. Identical classifications—using 181 categories of Table 19—were made for roughly 82 percent of the items classified for each year.8 In view of the detail of the classification scheme, the 82 percent score seems very high. Moreover, many types of company whose purposes were obvious from the charter abstracts were not listed in Bradstreet's. Had all electric light concerns and building and loan associations, for example, been listed, it is hard to believe that they would have had industrial designations different from those determined from the abstracts. The test thus indicates a high degree of reliability for the Pennsylvania abstracts. To show how closely the results derived from the two sources agreed, the industrial descriptions of all companies in the 1902 sample for which

the purposes could be clearly determined from Bradstreet's (91) are presented in Table 20. A check of the eleven companies that were not classified 'identically' when both sources were used reveals that in only three did the allocations differ seriously. Of course, this test assumes that the contemporary Bradstreet industrial designation was accurate.

The chartering episodes and pronounced waves of incorporation in many industries that were revealed by the industial classification suggested another group of tests. These movements, together with tests of the accuracy of the incorporation figures, are treated in Chapter 8. An example of these tests is given in Table 21. The discrepancies between the number of charters granted title guarantee and trust companies by Pennsylvania in the early years of the 20th century as reported by the Pennsylvania Banking Commissioner and as compiled from the charter abstracts published by the

TABLE 21
Title Guarantee and Trust Incorporations
Pennsylvania, December 1899-November 1904

DECEMBER TO	NOVEMBER	ACCORDING TO BANK- ING COMMISSIONER REPORTS [®]	AS COMPILED FROM CHARTER ABSTRACTS
1899	1900	16	17
1900	1901	47	47
1901	1902	69	68
1902	1903	75	76
1903	1904	16	14

a Sixth Annual Report of the Commissioner of Banking . . . for . . . 1900 (1901), Part 1, pp. II-III; Seventh Annual Report . . . for . . . 1901 (1902), Part 1, pp. II-III; Eighth Annual Report . . . for . . . 1902 (1903), Part 1, pp. II-IV; Ninth Annual Report . . . for 1903 (1904), Part 1, pp. II-V; Tenth Annual Report . . . for 1904 (1905), Part 1, pp. II-III.

b List of Charters of Corporations enrolled in the office of the

List of Charlers of Corporations enrolled in the office of the Secretary of the Commonwealth during the two years beginning June 1, 1899, and ending June 1, 1901... (1901); List of Charters...beginning June 1, 1901, and ending June 1, 1903... (1903); List of Charters...beginning June 1, 1903 and ending May 31, 1905... (Harrisburg, 1905).

Secretary of the Commonwealth are unimportant and easily explained. For instance, a comparison of the two sources for December 1, 1901-November 30, 1902 reveals the following differences:

- 1) The Banking Commissioner omitted a trust company listed by the Secretary of the Commonwealth (Penn Savings and Trust Company, incorporated February 11, 1902).
- 2) The Banking Commissioner listed a company that does not appear in the Secretary's report (Mortgage Banking Company, incorporated March 3, 1902).
- 3) The Banking Commissioner classified a safe deposit company (Armored Safe Deposit Co. of Pittsburgh, incorporated February 6, 1902) as a trust company, but the Secretary's description suggests that the concern is

⁸ The term 'identical classification' was stretched in the case of the 1902 test. The nine companies that in one source were listed as trust and savings companies and in the other as title guarantee and trust companies were considered to belong to the same industrial category. For further information on the test, see Appendix 5.

The 181 categories were those of Table 19 minus the two classes A/B and HA.

⁹ See items 25, 41, and 69 in Table 20.

more properly classified with commercial banks (GA of Table 19).

Another test—less valid as a check upon the quality of the incorporation data but nevertheless interesting—consists of comparing the percentage distribution of incorporations among the major categories of Table 19 with the distribution of corporations reporting to the Office of Internal Revenue. As the industrial distribution of newly chartered companies is compared with that of all existing corporations, there are obvious drawbacks. The results, however, were such that it seemed desirable to give them here.

If the wholesale and retail trade categories of Table 19 are merged, the major groups are mining, manufacturing, public utilities, trade, service, finance, construction, agriculture, and a miscellaneous group. These were the categories by which the Office of Internal Revenue classified corporations reporting for income tax purposes (Table 22). The absolute figures were converted into percentages of the total in order to portray better the industrial distributions of the corporations in existence at each date. The comparable percentage figures for incorporations, Table 23, were computed from the basic data in Appendix 4. The most striking feature of Chart 20 is the closeness with which the industrial distribution based upon the Internal Revenue data ties in with that for the incorporation figures. One is tempted to predict that if data similar to those of the Office of Internal Revenue could be compiled for the pre-1916 period, they would yield industrial distributions similar to those of the incorporation figures. Such a prediction is dangerous because it entails such assumptions as a uniform rate of death among corporations of the various industrial groups; but in the almost complete absence of more definite data on the total population of corporations existing at that time, the distribution indicated by the incorporation data may be accepted as a rough approximation. Of course, the corporations existing at any one time bear a relation to the number previously created. The factor, however, that makes the movements in the industrial pattern of incorporations a questionable index of variation in the total picture of existing corporations is that mentioned above, namely, the possible differences in the rates at which companies in different industries abandon or lose their charters.

From reading and working over the charter abstracts and purpose descriptions utilized in classifying incorporations along industrial lines my assistants and I gained impressions about the quality of the source material that must be mentioned to caution the reader against hasty generalizations. The results obtained from the Pennsylvania and Ohio data seem to us quite reliable. The Pennsylvania descriptions were fairly complete; the brevity of the Ohio descriptions was offset

Table 22
Corporations Reporting for Income Taxation

Percentage Distribution by Major Industrial Categories
New Jersey, Ohio, and Pennsylvania, 1916–1918 and 1921–1930

New Jersey, Ohio, and Pennsylvania, 1916–1918 and 1921–1930 ⁷														
	1916	1917	1918	1921	1922	1923	1924	1925	1926	1927	1928	1929	193	
					Min	ing			,					
N. J.	1.7	1.8	.6	1.0	1.0									
Ohio Pa.	3.7 6.1	4.3 7.0	4.3 8.1	5.2 10.4			4.1 9.1		3.9					
<u> </u>	0.1	1.0	0.1	!					7 0.2	0.0	1.0	1 1.1		
_	1	1		IVI.	anuia	cturin	ıg			1			<u> </u>	
N. J.	30.0	28.8	28.2	30.2					22.8					
Ohio Pa.	31.8 31.4	32.5 29.9	30.2 29.4	28.5 31.4		27.1 30.2		26.	2 20.1 3 29.4	28.6	28.2	24.3	23. 26.	
	****								1	1-0.0	1-57-	1		
Ohio 6.1 7.8 5.2 4.5 4.4 4.3 4.5 4.6 4.7 3.9 3.9 3.7 3.7														
Unio Pa.	10.1	10.4	5.2 8.8	7.2			7.1							
	1	(,					1	-	1	1	1	
Trade N. J. a 20.5 15.4 19.1 19.8 20.3 20.1 20.0 19.3 20.4 20.7 20.9 21.1														
N. J.	a	20.5	15.4	19.1		20.3								
Ohio Pa.	a. a.	28.6 17.3	21.3 14.9	24.6 18.8		25.1 19.6			26.1 20.5					
га. 	<u> </u>	17.3	14.9	10.0			20.3	20.	20.0	21.0	22.0	122.0	25.	
Service														
N. J.	а	5.7	4.6	6.1	6.6				6.7					
Ohio	B.	5.8 4.0	4.8 4.3	5.4 4.3	5.8 5.0				6.8					
Pa.	1	4.0	4.5	4.3			0.2	3.	6.0	0.5	0.4	0.7	1 "	
				11 .	Fina	nce	,							
N. J.	a	22.0	24.7	25.0		27.4								
Ohio	a n	13.7 12.6	18.5 16.7	20.6 17.4	21.6 17.5	22.0	23.0 17.9	24.	2 24.7	24.8	24.7	25.1	25.	
Pa. '		12.0	10.7	<u> </u>				10.	19.8	20.2	20.0	20.3	20.	
				C	onstr	uction	1				· _		_	
N. J.	а	5.3	4.3	5.4	5.3	5.7	5.7	6.	6.0	6.1	6.3	6.5	6.	
Ohio	8.	4.5	3.4	4.0	4.0	3.9	4.0		4.3					
Pa.	<u> </u>	3.1	2.5	2.9	2.9	3.2	3.4	3.	3.6	3.7	3.9	4.2	4	
·					Agricu	lture	·							
N. J.	1.3	1.7	1.4	11 1	1.2				1.0			1.0		
Ohio	.9	1.1	1.1	1.0	1.0				1.1					
Pa	.8	.8	8	.9	、 .8	.8	. 8	•	.9	.9	₽.	9.	<u>.</u>	
				. —	Oth	ers								
N. J.	62.0	8.1 ^b				6.0	6.2				2.4		1	
Ohio	57.5	1.7b		6.2								2.3		
Pa.	51.6	14.9b	14.6	6.8	7.2	6.7	7.1	4.	6 4.0	4.1	4.2	4.3	5 5	

^a Not ascertainable.

Percentages were calculated from data in the following sources: U.S., (Office of) Internal Revenue, Statistics of Income ... for 1916 ... (Washington, D.C., 1918), Table 9, pp. 35-6, and Table 10a, pp. 281-323; for 1917, Tables 12-20, pp. 53-70; for 1918, Table 10, pp. 92-3, and Table 13, pp. 135-41; for 1919, Table 8, pp. 56-5; for 1990, Table 8, pp. 50-1; for 1921, Table 8, pp. 56-7, and Table 10, pp. 86-91; for 1922, Table 8, following p. 95, and Table 10, pp. 123-8; for 1923, Table 8, facing p. 77, and Table 10, pp. 87-117; for 1924, Table 8, following p. 121, and Table 12, pp. 161-7; for 1925, Table 8, facing p. 104, and Table 12, pp. 119-39; for 1926, Table 12, following p. 313, and Table 16, pp. 335-55; for 1927, Table 12, following p. 309, and Table 17, pp. 332-64; for 1928, Table 12, pp. 314-6, and Table 17, pp. 341-74; for 1929, Table 12, pp. 263-5, and Table 17, pp. 294-326; for 1930, Table 12, pp. 209-11, and Table 17, pp. 240-59.

somewhat by the fact that the Office of the Secretary of State grouped incorporations along industrial lines for

b Computed from the total and the amounts in the other categories. Data for 1919 and 1920 are not available.

Table 23

Incorporations under General Laws

Percentage Distribution by Major Industrial Categories

New Jersey, Ohio, and Pennsylvania, 1872-1930

			_																						_				
	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	829 1	1900 1901
								•					М	ining															
N.J. Ohio Pa.	14.0	9.7	11.7	9.0	1	3.1 2.5	5.5 5.7		15.5 8.7	23.8 5.7	15.7 7.0	5.8 4.9	3.9 6.1	4.7 7.4	3.4 11.5	6.4 19.6	4.1 7.4 10.9	3.2 6.1 10.3		3.8 6.6 8.9	6.0	5.2	7.4	8.0	12.3	9.2	5.3 1	8.1 11.5 7.4	8.6 8.5 10.7 7.8 12.2 8.9
										,]	Manu	factur	ing														
N. J. Ohio Pa.	37.2	44.2	35.9	52.9 27.6	41.1 27.1		41.1 33.0		38.7 47.3	38.3 40.6	49.0 50.0	49.5 49.0				48.9 35.5	47.4	53.3 46.5 33.9	50.4	51.2	52.8	53.2	50.1	45.8	46.3	46.2	47.84	42.34	53.2 52.3 45.5 42.7 46.7 44.8
	,					4						F	ublic	Utili	ties				·			<u> </u>		 -		<u> </u>			
N.J. Ohio Pa.	hio 24.4 16.7 16.1 18.6 19.9 25.7 27.8 22.4 19.4 30.3 14.9 14.5 14.5 14.5 19.7 14.5 17.0 13.8 11.3 0.4 11.6 12.5 13.3 9.0 12.6 15.1 16.2 16.2 17.0																												
											W	holes	ale ar	d Re	tail Tı	ade													
N.J. Ohio Pa.	1.0	.8	1.3	.0 3.6			.0 1.8			.2 2.8			1.7 4.6			3.2 6.5	4.4 5.3 .2	3.9 6.3 .1	6.0		9.0		10.3	10.1	11.4	8.1	8.3 11.3 3.1	9.6	
	8.																												
N.J. Ohio Pa.	5.0	2.8	9.7	11.8 9.6		4.7 15.2	11.0 11.9	7.6 8.4	4.8 5.6	2.7 4.7	4.0 5.4	4.1 7.0	4.7 12.6		6.0 7.5	7.0 4.8	4.9 7.1 .8	4.5 6.3	5.0	6.4 7.2 1.2	9.1	4.9	7.1	7.3 9.3 1:2	9.0	9.2	7.1	7.5	5.8 4.5 6.8 6.1 1.5 2.5
													Fi	nance															
N.J. Ohio Pa.	16.5	25.0	23.8	13.7 28.5		12.5 17.3	12.3 15.4		4.8 15.3	6.7 12.4	4.8 15.7	9.8 18.8	7.8 13.6		6.0 12.6	11.2 12.3	10.9 16.5 29.6	12.1 15.3 30.8			10.4	7.7	9.0	10.3	9.0	9.8	8.4	8.9	8.0 10.2 11.3 13.8 12.6 15.1
													Cons	tructio	n.											_			
N. J. Ohio Pa.	.5	.3	.0	1.2		.0 .4	1.4 .0	1.3	6.0	10.7 2.0	7.7	6.4	2.2		6.5	7.6 .5	3.9 1.1 .4	5.0 .8 .1	.8	4.1 .7 .5	.9	2.2	1.9	4.1 1.4 .0		5.3 2.5 1.1			1.9 2.6
													Agric	cultur	е	•													
N. J. Ohio Pa.	.5	.3	.7	.0	1	.0			.0 .3	.7	.9 1.7	3.4 1.1	2.6 1.9			1.3 .4	.7 .3 .0	.9 1.1 .1	1.4	.6 1.1 .2	.5	1.7	.7	.5 .9 .2	.7	.9 .7 .2	.4 .4 .2	1.1 .5 .3	1.3 1.0 .1 .3 .0 .3
													Unall	locabl	e*														
N. J. Ohio Pa.	1.0	.3	.7	1.8		1.6 .4	1.4 .9	.0 .3	2.4	3.3 1.2	3.7 1.2	2.0	1.7	3.9 4.5	1.8 1.0	2.8	2.8 .5 .2	2.8 .6 .4	2.1 1.0 .0	1.5 .7 .2	.8	1.3		1.9 .9 .2	1.9 .7 .0	2.6 1.5 .7	2.3 1.1 .4	2.6 .9 .6	1.8 1.6 .1 .4 .5 .3

[•] In the cases of New Jersey and Ohio, the unallocable class is a composite of the categories J and A/B of Table 19. In the case of Pennsylvania it consists of only category J, since the A/B class was not used in grouping Pennsylvania incorporations.

Percentages were calculated from data in Appendix 4.

Table 23
Incorporations under General Laws
Percentage Distribution by Major Industrial Categories
New Jersey, Ohio, and Pennsylvania, 1872–1930

100 100 100 100 100 100 100 100 100 100 100 100 101 1													<u> </u>				•													
8.4 6.3 6.2 4.0 4.1 3.9 6.1 6.1 5.0 6.0 6.0 11.2 13.2 7.4 5.8 5.0 5.0 11.2 5.4 5.6 11.4 10.6 5.2 8.1 6.6 4.7 4.6 3.7 3.4 2.5 3.0 2.0 3.1 2.4 Philophile Plane Pl	1 03	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	192.	1927	1928	1929	1730	••
10.2 1.0 2 1.0 0 8.8 10.4 8.7 0 7.0 7.8 0 0 0 0 0 0 0 0 0		(_							Minir	ng								-						
50.6 50.1 45.0 39.7 35.7 36.8 41.1 43.0 39.6 41.1 43.0 39.4 37.2 34.2 33.4 33.0 29.6 33.9 33.3 33.2 31.8 32.8 28.3 26.0 25.1 24.4 25.8 25.2 23.8 21.1 Ohio Part 1.0 14.1 41.0 41.5 42.0 39.0 38.6 39.5 37.5 34.2 34.8 34.5 34.1 34.5 35.1 34.8 34.1 44.5 39.0 34.5	10.2	11.2	10.0	8.3	6.0	6.6														6.6	4.7	4.6	3.7	3.4	2.5	3.0	2.9	3.1	2.4	Ohio
45.0 44.1 48.8 48.1 44.2 44.1 48.2 49.0 39.0 88.0 39.6 39.5 37.5 32.6 30.4 30.6 25.1 34.2 34.4 33.0 29.6 33.9 33.3 31.0 26.7 31.0 26.7 31.0 20.7 20.7 20.7 20.7 20.7 20.7 20.7 20					•									Mar	ufact	uring			-											
7.1 6.6 6.8 7.3 4.7 4.5 5.8 5.9 6.3 5.4 5.2 5.1 4.3 4.5 5.0 26.4 26.8 36.7 7.2 11.5 12.7 8.4 5.5 5.4 5.5 3.4 3.4 4.6 4.2 4.3 4.9 3.9 5.2 5.1 4.6 Ohio Pa. Wholesale and Retail Trade **Molesale and Retail Trade** **Wholesale and Retail Trade** **	45.0	44.1	48.8	48.1	46.2	44.1														31.8	32.8	28.3	26.0	25.1	24.4	25.8	25.2	23.8	21.1	Ohio
13.5 13.1 8.6 9.3 9.0 6.3 5.4 5.2 5.1 4.8 4.8 4.8 4.5 4.8					:									Pub	lic U	tilities				'				1	<u>!</u>					,
8.6 10.3 11.0 13.2 17.2 14.0 14.4 14.7 16.4 16.0 18.2 20.4 18.5 21.3 21.5 22.3 24.5 19.7 20.6 22.4 20.9 21.8 22.2 24.2 26.6 24.3 25.3 26.5 30.2 Ohio Pa. Service Service Serv	13.5	13.1	8.6	9.3	9.0	6.3															3.4	: 4.6	4.2	4.3	4.9	3.9	5.2	5.1	4.6	Ohio
8.6 10.3 11.0 13.2 17.2 14.0 10.8 13.2 17.2 14.0 14.4 14.7 16.4 16.0 18.2 20.4 18.5 21.3 21.5 22.3 24.5 19.7 20.6 22.4 20.9 21.8 22.2 24.2 26.6 24.3 25.3 26.5 20.2 20.0 20.			:									1	Who	lesale	and ?	Retail	Trad	е .				•			•					
6.1 7.0 6.6 7.3 8.4 8.4 8.7 10.3 8.8 10.5 11.0 11.7 11.2 12.7 10.8 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 6.0 7.1 8.3 7.2 8.5 9.2 8.7 10.3 8.8 10.5 11.0 11.7 11.2 12.7 10.8 9.5 8.5 9.7 8.8 9.7 8.9 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 6.0 7.1 8.3 7.2 8.5 9.2 8.7 10.3 8.8 10.5 11.0 11.7 11.2 12.7 10.8 9.5 8.5 9.7 8.8 9.7 8.9 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 6.0 7.1 8.3 7.2 8.5 9.2 8.7 10.3 8.8 10.5 11.0 11.7 11.2 12.7 10.8 9.5 8.5 9.7 8.8 9.7 8.9 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.5 8.5 9.7 8.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.7 8.0 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.7 8.0 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.7 8.0 10.3 11.2 12.4 11.2 11.0 13.1 N.J. Ohio 9.7 8.0 10.3 11.2 12.4 11.2 11.0 13.1 11.3 N.J. Ohio 9.7 8.0 10.3 11.2 12.4 11.2 11.0 13.1 11.2 12.4 11.2 11.0 13.1 11.3 N.J. Ohio 9.8 8.0 10.8 10.3 11.2 12.4 11.2 11.0 11.1 1.0 1.1 1.2 11.4 1.8 8.9 1.4 1.4 1.4 1.2 8.1 11.0 1.1 1.0 1.0 N.J. Ohio 0hio 0hio 10.2 11.2 11.4 1.8 1.5 11.4 1.4 1.4 1.2 8.1 1.1 1.0 1.1 1.0 N.J. Ohio 0hio 0hio 10.2 11.1 1.0 1.1 1.2 1.4 1.8 1.8 8.9 1.4 1.4 1.4 1.2 8.1 1.1 1.0 8.1 1.0 N.J. Ohio 0hio 0hio 10.2 11.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.	8.2	8.1	10.0	10.8	12.8	14.6					18.2	20.4									20.9	21.8	22.2	24.2	26 .6	24.3	25.3	26.5	30.2	Ohio
6.0 7.1 8.3 7.2 8.5 9.2 8.7 10.3 8.8 10.5 11.0 11.7 11.2 12.7 10.8 9.5 8.5 6.0 5.2 6.1 6.2 5.8 9.8 9.7 8.9 10.8 10.3 11.2 12.4 11.2 11.0 13.1 Ohio Pa. The part of the																														
11.4 11.8 13.5 15.1 16.5 21.2 11.6 11.5 11.6 11.5 14.8 14.5 16.1 14.7 14.3 15.6 19.0 16.4 13.2 20.9 20.1 19.3 23.3 25.3 25.8 26.1 22.8 22.0 21.9 22.4 21.8 Ohio Pa. 1.4	6.0	7.1	8.3	7.2	8.5	9.2															9.7	8.9	10.8	10.3	11.2	12.4	11.2	11.0	13.1	Ohio
12.3									:					•	Finar	ice														
4.7 4.5 4.3 6.6 6.3 7.6 7.6 7.6 7.5 7.7	12.3	12.5	8.4	11.0	12.4	13.5															23.3	25.3	25.8	26.1	22.8	22.0	21.9	22.4	21.8	Ohio
2.3 2.4 3.0 3.2 3.8 3.6 3.3 3.1 3.7 3.5 3.5 3.7 2.8 3.7 2.9 3.5 3.0 3.5 3.0 3.5 2.9 2.7 3.2 2.6 4.1 3.9 4.3 4.8 4.6 6.1 6.6 6.0 6.1 4.6 Ohio Pa.														Co	nstru	ction														
1.2 1.5 1.0 1.4 1.5 .9 .8 .9 1.3 1.0 .6 .8 .7 1.1 .6 .7 .7 .7 1.1 .7 .4 .9 1.0 .7 .9 1.1 1.3 1.1 1.3 N. J. Solution Substituting Substituti	2.3	2.4	3.0	3.2	3.8	3.6															3.9	4.3	4.8	4.6	6.1	.6.6	6.0	6.1	4.6	Ohio
.8 .3 1.1 .9 .6 .5 .8 .9 1.3 1.0 .6 .8 .7 1.1 1.0 .6 .7 .7 .7 1.1 .7 .4 .9 1.0 .7 .9 1.1 1.3 1.1 1.3 Ohio Pa. Unallocable* Unallocable*										_				A	gricul	ture														
1.7 1.9 3.8 4.7 5.6 3.9 .14 1.4 1.4 1.7 1.9 1.9 1.6 1.1 1.0 1.1 1.2 1.4 1.8 .9 1.4 1.4 1.2 .6 1.1 1.0 0.9 1.0 Ohio	.8	.3	1.1	.9	.6	.5							- 1				.7				.4	.9	1.0	.7	.9	1.1	1.3	1.1	1.3	Ohio
1.7 1.3 1.8 1.4 .6 1.5 .8 1.4 1.4 1.4 1.7 1.9 1.9 1.6 1.1 1.0 1.1 1.2 1.4 1.8 .9 1.4 1.4 1.2 .6 1.1 1.0 .9 1.0 Ohio														Uı	nalloc	able*														
	1.7	1.3	1.8	1.4	.6	1.5	- 1													1.8	.9	1.4	1.4	1.2	.6	1.1	1.0	.9	1.0	Ohio

^{*} In the cases of New Jersey and Ohio, the unallocable class is a composite of the categories J and A/B of Table 19. In the case of Pennsylvania it consists of only category J, since the A/B class was not used in grouping Pennsylvania incorporations.

Percentages were calculated from data in Appendix 4.

Percentage Distribution by Major Industrial Categories CHART 20

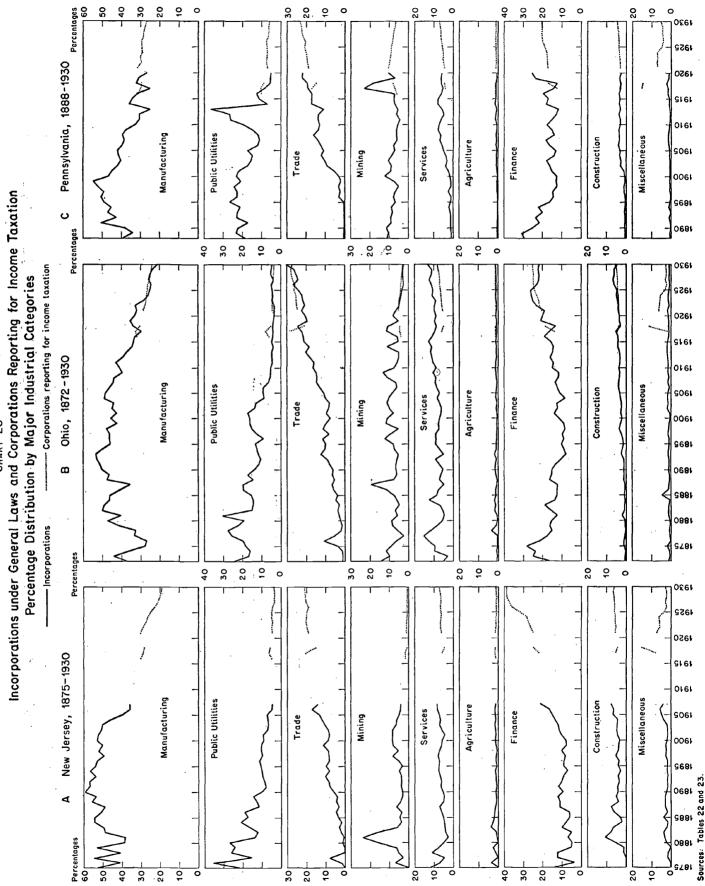


TABLE 24 Number and Percentage of Basic Categories of Table 19 Used in Classifying Industrially the Incorporations of Each Year, 1800-1930 New Jersey, Ohio, and Pennsylvania

	N	EW JERS	SEY		оню			INSYLVA		and renn		EW JERS	SEY OHIO				PENNSYLVANIA			
	Total basic classes used	Basic classes used 1st time	% total used is of total basic classes ^a	Total basic classes used	classes	% total used is of total basic classesa	Total basic classes used		% total used is of total basic classes ^a		Total basic classes used	classes	% total used is of total basic classesa	Total basic classes used	Basic classes used 1st time	% total used is of total basic classesa	Total basic classes used	Basic classes used 1st time	% total used is of total basic classes ^a	
1800 1801 1802 1803 1804	2 3 3 0 7	2 2 1 0 4	1.1 1.6 1.6 .0 3.8	2 0	2 0	1.1	-			1866 1867 1868 1869	51 55 55 52	6 5 2 0	27.9 30.1 30.1 28.4	54 48 54 56	11 8 7 6	29.5 26.2 29.5 30.6				
1805 1806 1807 1808 1809	0 1 3 1 4	0 0 0 0	.0 .5 1.6 .5 2.2	0 0 0 1 2	0 0 0 1 1	.0 .0 .0 .5 1.1				1870 1871 1872 1873 1874 1875	57 46 47 47 51 43	4 0 1 0 2 2	31.1 25.1 25.7 25.7 27.9 23.5	57 62 69 67 67 62	4 3 7 3 1 3	31.1 33.9 37.7 36.6 36.6 33.9				
1810 1811 1812 1813 1814	0 5 2 2 5	0 1 0 1	.0 2.7 1.1 1.1 2.7	1 1 1 1 3	1 1 0 0 2	.5 .5 .5 .5			,	1876 1877 1878 1879	31 40 35 47	3 5 1	16.9 21.9 19.1 25.7	63 59 64 72	3 0 3 3	34.4 32.2 35.0 39.3				
1815 1816 1817 1818 1819	7 5 2 2 2	2 2 0 0 0 0	3.8 2.7 1.1 1.1	1 6 4 3 2	0 1 0 1 1	3.3 2.2 1.6 1.1				1880 1881 1882 1883 1884 1885	57 89 93 89 76 88	4 3 6 1 3	31.1 48.6 50.8 48.6 41.5 48.1	89 95 101 112 103 89	3 5 5 3 0	48.6 51.9 55.2 61.2 56.3 48.6				
1820 1821 1822 1823 1824	2 1 3 5 9	1 0 1 1 2	1.1 .5 1.6 2.7 4.9	2 0 1 0 2	1 0 0 0	1.1 .0 .5 .0 1.1				1886 1887 1888 1889	103 109 119 117	2 2 5 0	56.3 59.6 65.0 63.9	103 105 104 114	$\begin{array}{c c} 1 \\ 0 \\ 2 \\ 2 \end{array}$	56.3 57.4 56.8 62.3	57 ^b 84 92	57 ^b 35 16	46.4 50.8	
1825 1826 1827 1828 1829	10 5 0 10 4	3 0 0 3 1	5.5 2.7 .0 5.5 2.2	2 6 4 4 8	0 1 0 1 2	1.1 3.3 2.2 2.2 4.4				1890 1891 1892 1893 1894 1895	137 133 138 126 124 128	6 1 2 1 0	74.9 72.7 75.4 68.9 67.8 69.9	113 124 117 113 125 119	0 2 3 0 1	61.7 67.8 63.9 61.7 68.3 65.0	87 92 98 92 83 90	8 4 3 1 1 2	48.1 50.8 54.1 50.8 45.9 49.7	
1830 1831 1832 1833 1834	9 9 7 12 8	1 0 0 4 0	4.9 4.9 3.8 6.6 4.4	12 5 10 7 11	3 1 1 0 3	6.6 2.7 5.5 3.8 6.0		·		1896 1897 1898 1899	131 136 136 154	2 0 0 2	71.6 74.3 74.3 84.2	114 117 118 131	0 0 1 0	62.3 63.9 64.5 71.6	95 94 88 94	5 2 1 1	52.5 51.9 48.6 51.9	
1835 1836 1837 1838 1839	8 11 19 7	1 2 8 0 1	4.4 6.0 10.4 3.8 6.0	11 15 23 15 12	0 2 6 2 1	6.0 8.2 12.6 8.2 6.6				1900 1901 1902 1903 1904 1905	150 148 144 149 148 151	2 0 0 0 0	82.0 80.9 78.7 81.4 80.9 82.5	127 140 128 132 140 142	1 0 1 2	69.4 76.5 69.9 72.1 76.5 77.6	97 122 127 131 124 133	2 14 7 3 0 2	53.6 67.4 70.2 72.4 68.5 73.5	
1840 1841 1842 1843 1844	5 6 4 1 5	2 1 0 0	2.7 3.3 2.2 .5 2.7	6 3 4 6 7	0 0 0 1	3.3 1.6 2.2 3.3 3.8				1906 1907 1908 1909	152 148	0	83.1 80.9	144 144 140 146	1 2 0 1	78.7 78.7 76.5 79.8	136 135 134 137	0 1 1 3	75.1 74.6 74.0 75.7	
1845 1846 1847 1848 1849	11 10 15 19 13	2 1 2 2 0	6.0 5.5 8.2 10.4 7.1	11 14 6 13 11	0 2 0 0 1	6.0 7.7 3.3 7.1 6.0				1910 1911 1912 1913 1914 1915		<u>.</u>		141 142 150 141 138 144	1 0 2 0 2	77.0 77.6 82.0 77.0 75.4 78.7	145 139 141 143 139 142	3 1 1 2 0 1	80.1 76.8 77.9 79.0 76.8 78.5	
1850 1851 1852 1853 1854	15 12 20 26 29	5 1 4 2 1	8.2 6.6 10.9 14.2 15.8	14 15	1 1	7.7 8.2				1916 1917 1918 1919				147 146 143 149	$\begin{matrix} 0\\1\\0\\2\end{matrix}$	80.3 79.8 78.1 81.4	139 136 126 144	0 0 1 1	76.8 75.1 69.6 79.6	
1855 1856 1857 1858 1859	31 25 19 25 21	5 3 1 2 2	16.9 13.7 10.4 13.7 11.5	18 20 16 16	4 6 5 3	9.8 10.9 8.7 8.7				1920 1921 1922 1923 1924 1925				153 145 150 145 139 151	0 0 0 0 0 0 0	83.6 79.2 82.0 79.2 76.0 82.5	141	0	77.9	
1860 1861 1862 1863 1864	22 21 13 20 29	1 0 1 3 4	12.0 11.5 7.1 10.9 15.8	17 9 16 19	$egin{array}{c} 2 \\ 0 \\ 2 \\ 1 \\ 1 \end{array}$	9.3 4.9 8.7 10.4 10.4			•	1926 1927 1928 1929				141 143 142 147	0 0 0 	77.0 78.1 77.6 80.3				
1865	38	4	20.8	31	3	16.9				1930				145	0	79.2				

Compiled from data in Appendix 4.

The 183 basic categories were used in classifying New Jersey and Ohio incorporations, while two fewer (the 183 classes minus A/B and HA) were used in classifying Pennsylvania incorporations.

These data are for less than a full calendar year.

presentation in the published documents. Work on the New Jersey material was hampered by brief descriptions unaided by any purpose grouping by the incorporating office; consequently, the results for this state are not as trustworthy as those for Pennsylvania and Ohio, but they show broad movements, and in many cases even the small categories are highly reliable. We attempted to classify New Jersey incorporations beyond 1907 along industrial lines, but decided that the quality of the descriptions deteriorated and too much reliance had to be placed upon the name of the corporation. Accordingly, we terminated the New Jersey industrial material with 1907. The Ohio industrial classification goes through 1930, though beginning with the Secretary of State's report for 1925 the charter descriptions can be relied upon less implicitly.10 All published Pennsylvania charter abstracts were used; their quality did not seem to vary appreciably.

Before the results yielded by classifying incorporations along industrial lines are discussed in detail, the reader should note the percentage of total industrial categories of Table 19 that were utilized in grouping the corporations of each state in each year (Table 24). For example, in 1890 approximately 75 percent of the 183 categories were used in classifying New Jersey corporations by industrial objectives, about 48 percent of the 181 categories for Pennsylvania corporations, and roughly 62 percent of the 183 categories for Ohio corporations. From 1803 to 1851 in Ohio, corporations were created only by special acts. Since the state constitutional provision of 1851 practically stopped the granting of special charters, the later Ohio data are for concerns incorporated under general laws alone. The New Jersey data for the pre-1846 period are for charters granted by special statutes; since from 1846 to 1875 many charters were procured under both general and special laws, the data of Table 24 for that period apply to both types of charter; and since not many special charters were granted after 1875, the figures thereafter are for incorporations under general law only. In Pennsylvania, incorporation was accomplished primarily under general law in the period covered by the Pennsylvania section of Table 24; the data of that state, therefore, apply solely to corporations chartered under general laws.

Table 24 supplements Charts 1 and 9. When studying

¹⁰ Reports of the Secretary of State of Ohio contain statements of the industrial objectives for newly chartered companies from 1872 through 1936. The data for 1931–36 were worked for this and the next chapters, and will be made available by the author to anyone who wants to see them. Except for some major categories and certain minor subdivisions, the figures for these last six years, however, are not considered worthy of publication.

the three, it must be remembered that an upward movement of percentages in Table 24 may be due to one or both of two factors: incorporations in new fields of enterprise; continued use in the old fields. Of course, the continued use of the corporate form in old fields is partly a function of the number of incorporations, since the more charters granted the greater the likelihood—other things being equal—that an incorporation will be found in any industrial category in which the corporate form had been customary.

The second column in each state section of Table 24 gives the number of basic categories of Table 19 that were used for the first time when classifying industrially the business incorporations of each year. For example, when the New Jersey incorporations of 1804 were classified by industry, seven of the basic categories of Table 19 were used, four of which had not been used in classifying the incorporations of the preceding years. Generally speaking, the corporate form seems to have entered new fields around 1837, throughout the 1850's, during and after the Civil War, and in the late 1870's and early 1880's; in New Jersey, in addition, there was extension in the use of the corporation around 1890. Some of the large rise in the New Jersey percentages in the late 'eighties and almost all of it in the late 'nineties seem to be due to more incorporations in established lines.

The Pennsylvania data of Table 24 seem to indicate a pronounced expansion into new fields in the early years of the 20th century, but some of the expansion is deceptive. In the first place, the initial full year for the Pennsylvania series is 1888, and some types of enterprise that had to be recorded as originally chartered in the early 1900's would doubtless have appeared among the incorporations of an earlier year if the series had begun as early as, say, 1850; in the second place, the general corporation law was broadened in 1901 to include concerns in any lawful business. 11 Corporations engaged in retail trade and certain other types of business procured special charters before 1901, 12 and they would not have been considered in compiling the Penn-

¹¹ Pennsylvania Laws, 1901 (July 9, 1901), p. 624.

¹² When classifying the charter abstracts published by the Secretary of State, four companies chartered before July 9, 1901—the date on which it became possible to procure under general law a charter for a retail trading company (the incorporation of a wholesaling company under Pennsylvania general law having been permitted on June 25, 1895)—had to be treated as concerns engaged in retail trade. Thus either the charter abstracts in these cases were poorly written or the concerns were to engage primarily in retail trade, though for chartering purposes they were treated by the Secretary's office as engaged in some other type of business.

sylvania series since special acts were ignored. The differences between the Ohio and New Jersey series, on the one hand, and the Pennsylvania series, on the other, are to some extent explained by the fact that in building the former some account was taken of incorporations by special acts whereas in the latter they did not figure at all. In studying Table 24 it should also be borne in mind that broad incorporation laws similar to that passed by Pennsylvania in 1901 took effect in New Jersey in April 1875, and in Ohio in January 1880.¹³

¹³ New Jersey Revised Statutes, 1875, p. 6; Ohio Revised Statutes, 1880, Vol. 1, Sec. 3235.