

NFPA No.

901

CODING SYSTEM FOR FIRE REPORTING 1969



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Official NFPA Definitions

Adopted Jan. 23, 1964. Where variances to these definitions are found, efforts to eliminate such conflicts are in process.

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Coding System for Fire Reporting

NFPA No. 901 — 1969

1969 Edition of No. 901

This 1969 edition of NFPA No. 901 was officially adopted at the Annual Meeting of the National Fire Protection Association held in New York, N.Y., May 12-16.

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SCOPE: To develop standard methods of compiling fire experience data by the fire service. The main purposes of this Committee are to develop standard occupancy and cause classifications for use by cities and states in the reporting of fires, to suggest other useful information that needs to be collected, and to develop standard forms for these purposes.

Origin and Development of No. 901

The lack of a uniform system of fire reporting has long been recognized as a hindrance to the fruitful direction of fire protection efforts. Unless we know just what the problem is, we are certainly not going to solve it. As was said in 1953 in the introduction to No. 3, now supplanted by No. 901, "The absence of accurate and detailed statistics on fire casualties has hindered attempts by educational and other means to reduce the number of deaths and injuries from fire."

From time to time suggestions have been made with respect to fire reporting, and in 1938 a system prepared by NFPA was published by the International City Managers' Association. The first committee work on the problem was undertaken in 1951 by the Committee on Fire Casualty Statistics, and their report was officially adopted as NFPA No. 3 on May 21, 1953.

As No. 3 had limited scope, the NFPA Board of Directors, in 1961, following two years of surveying the need, called a national conference on fire reporting. On the recommendation of this conference, an NFPA committee of fire service representatives, state and Canadian fire officials, and insurance company statisticians and engineers was formed to devise a uniform and useful system of fire reporting, adaptable to the needs of reporting agencies in the United States and Canada. The committee's organizational meeting was in February, 1963.

Tentative standards on Definitions (901T), Property Classification (902T), Ignition Classification (903T), Property Inventory (904T), and Fire Report (905T) were adopted by Annual Meetings subsequent to 1963. Comments from various individuals, associations, and fire departments on these tentative standards have been received and given careful attention by the committee. These comments have led the committee to believe that the various tentative standards are so intertwined that they should be under one cover, as one overall coding system for Fire Reporting. This system is given the designation NFPA No. 901.

Table of Contents

Contents	Chapter and Section	Page
Definitions	Introduction	901-4
Property Complex	A	901-8
Property Classification List	B	901-9
Property Inventory, General	C	901-48
Water Supply-Type	CA	901-50
Water Supply-Flow	CB	901-50
Size of Water Main	CC	901-50
Water Tank Capacity	CD	901-50
Property Type	CE	901-51
Year Constructed and Height	CF	901-51
Ground Floor Area	CG	901-51
Property Management	CH	901-52
Property Inventory, Fire Fighting Factors	D	901-52
Construction	DA	901-52
Building Capacity	DB	901-52
Fire Protection Facilities	DC	901-53
Obstacles to Fire Rescue	DD	901-54
Obstacles to Fire Fighting	DE	901-55
Property Value	DF	901-55
Area of Origin	E	901-56
Source of Heat of Ignition	F	901-60
Form of Heat of Ignition	G	901-65
Type of Material Ignited	H	901-68
Form of Material Ignited	I	901-71
Act or Omission Causing Fire	J	901-74
Details of Fire Report	K	901-76
Incident Number	KA	901-76
Transmission of Alarm	KB	901-76
Type of Situation Found	KC	901-77
Type of Action Taken	KD	901-77
Level of Origin	KE	901-78
Occupant, Area of Origin	KF	901-78
Fire Casualties, Loss, Manpower Used	L	901-78
Casualty Listing	LA	901-79
Dollar Loss Classification	LB	901-79
Extent of Fire Damage	LC	901-79
Lost time of Business	LD	901-80
Manpower Used by F.D.	LE	901-80
Property Classification System	Appendix A	901-81

Introduction — Definitions

The system of fire reporting as submitted herewith is a complex one, as it has to be if it is to cover all angles of the problem. However, it is so designed that certain codes may be omitted entirely; and that for certain other codes the first digit, or the first two digits, tells the chief part of the story, and the final digit may be dropped if the policy of the reporting agency so dictates. For instance, in the property classification, Chapter B and Appendix A, it would be desirable to know whether a one-family dwelling is for year round use (code 411) or for seasonal use (codes 412 and 413); but if such information seems of lesser importance to the reporting agency, the abbreviated code, 41, is sufficient to describe a "dwelling."

The reasons for a uniform system of fire reporting are as follows:

1. It is only through such a system that a dependable body of facts bearing in the fire protection problem can be developed. To take the example above, some reporting agencies do not separate out dwellings from other types of "homes" or "residences," or even from buildings as a whole. Or they may define "dwelling" differently from the way it is defined in Appendix A. This obviously makes it impossible to assemble reliable statistics for any large area, or to know exactly what we mean when we use the term "dwelling" and quote fire facts regarding these buildings.

2. It is through such a system that we can obtain the data necessary for a knowledgeable and economical attack on the fire problem. Again to take dwellings, it is probably the most pressing fire problem to reduce the high loss of life in these buildings resulting from fire. By using a uniform code, it will be possible to pinpoint the trouble areas and hazards, and then to concentrate our efforts in those areas and hazards.

As suggested above, a basic necessity is to have uniformity in definition.

1. Purpose of Definitions

11. The purpose of definitions as given below is to provide a common language, and thus it is the purpose in defining fire casualty to adhere as closely as possible to the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Eighth Revision," as prepared by the World Health Organization and as accepted by authorities in the United States and Canada.

2. Fire and Casualty Definitions

21. Fire

211. Fire is any instance of destructive and uncontrolled burning, including scorch burns and explosions of combustible solids, liquids, or gases.

212. Fire does not include the following, except where they cause fire or occur as a consequence of fire:

- (a) Lightning or electrical discharge.
- (b) Explosion of steam boilers, hot water tanks, or other pressure vessels, due to internal pressure and not to internal combustion.
- (c) Explosions of ammunition or other detonating materials.
- (d) Accidents involving ships, aircraft or other vehicles.

22. Reportable Fire

221. Any fire coming to the attention of an agency keeping fire records. Included are fires or explosions that may be discovered in progress, discovered following extinguishment, or detected weeks later during an inspection. A fire report is to be filed on any reportable fire.

23. Exposure Fire

231. A fire which occurs as a direct consequence of a fire originating outside the building in question, either in another building or in outside property.

NOTE: Where fire involves more than one building, each building fire shall be considered a separate fire, with all but the original building involved classified as exposure fire. If the building fire ignites a truck parked nearby but outside the building, the truck fire is an exposure fire. If the truck was parked inside the building, it is considered as contents rather than a separate exposure fire.

24. Fire Casualty

241. A fire casualty is a person receiving an injury or death resulting from a fire. The causes of fire casualties are classified as direct or indirect. Direct fire casualties are those where injuries or deaths are due to fire. Indirect fire casualties are those where injuries or deaths are due in part to fire, but some other cause is assigned as primarily responsible (see Section 244 below).

242. **FIRE INJURY.** A fire injury is one suffered as the result of a fire that requires (or should require) treatment by a practitioner of medicine within one year of the fire or explosion (regardless of whether treatment was actually received).

243. **FIRE DEATH.** A fire death is a fire casualty which is fatal or becomes fatal within one year after the fire.

244. **MORE THAN ONE CAUSE OF DEATH.** Where a death may be due to more than one cause, one of which is a fire cause, the classification made by appropriate authorities shall govern, provided this classification is in accord with the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death."

245. **INDIRECT CAUSES OF FIRE INJURIES.** These are the injuries which result indirectly from fire and include:

- (a) Disease contracted due to exposure to weather in time of fire.
- (b) Injuries due to fire breaking out in vehicles following an accident which is not itself a fire. If the accident is a fire, the injury is a direct fire injury.
- (c) Over-exertion while escaping from or fighting a fire.
- (d) Injuries to fire fighters while responding to or returning from a fire.
- (e) Injuries suffered by fire fighters, while in the execution of their duties, due to the violence of others.
- (f) Injuries suffered by firefighters while in the performance of any assigned duties.

3. General Definitions

31. Property (Chapters A and B)

311. **OCCUPANCY.** The use of property.

312. **VACANT PROPERTY, OR NO OCCUPANCY.** Property without contents.

313. **COMPLEX.** A multiuse property — one having two or more chief occupancies.

32. Ignition Classification (Chapters F-J)

321. **THE HEAT OF IGNITION.** The heat energy which brings about ignition. Heat energy comes in various forms and usually from a specific object or source. Therefore, the heat of ignition is divided into two parts: "source of heat of ignition," and "form of heat of ignition."

322. **THE MATERIAL IGNITED.** The combustible which is first set on fire by heat of ignition. The material ignited may be in many forms, depending on its use (i.e. wallpaper); and may be made of several types of material (i.e. paper, fabric, oil cloth, plastic). To reveal this difference, the list of materials ignited is divided into two parts: "type of material ignited," and "form of material ignited."

323. ACT OR OMISSION. When a heat source contacts or comes close to material which then ignites, creating a fire, usually someone has done something (an act), or failed to do something (an omission). This act or omission is sometimes known as the "human element."

324. FIXED OBJECT. An object, device, or appliance which is fastened or secured at a specific location, e.g., a radiator.

325. PORTABLE OBJECT. An object, device or appliance that can readily be moved from one place to another, e.g. a vacuum cleaner.

326. STATIONARY OBJECT. An object, device or appliance which is not fastened, but which is not readily moved from one place to another in normal use, e.g., a refrigerator.

327. GAS: a fluid material which has a vapor pressure exceeding 40 psia at 100°F. **LIQUID:** a fluid material which has a vapor pressure not exceeding 40 psia at 100°F. Gasoline, which is always spelled out in this standard, is a liquid, not a gas.

33. Property Inventory. What is known about a property before the fire, knowledge which may aid in preplanning. This knowledge is in two parts: that which is general in character and has to do with location, water supply, and construction features which may be determined from an external inspection; and that which is specific in character, relating to internal features which may influence a fire chief in his choice of fire fighting tactics.

34. Fire Report (Chapters K and L)

341. The fire report must cover many items, some of which are mentioned in Chapters A through J; but the ones that specifically apply to a given incident are those mentioned in Chapters K and L. These are the items which would be known only after an incident. Of course, ignition classification would also be known only after an incident, but that is covered in Chapters F-J.

342. INCIDENT. The movement of a piece of fire apparatus in response to an alarm.

343. ALARM. The notification of the fire department that a situation exists or may exist which requires a response.

344. TYPES OF ALARM. An alarm may be for fire, some other actual or potential peril, rescue, smoke scare, or a malicious purpose (false alarm).

345. SMOKE SCARE. Scorching of food or other material with slight damage and little open flame. A frozen pulley bearing which causes a fan belt to slip and smoke would be an example. These smoke scares are sometimes known as "nonhostile fires."

Chapter A. Property Complex

A1. Definition

A11. The property complex is the overriding use of a building or building group devoted to several occupancies and described by several property classifications. Thus, a shopping center is a complex; while clothing stores, supermarkets, and so on, within the center are separate property classifications.

A2. Principal Complexes

A21. Property complexes may be described by the first two digits, or in some cases by just the first digit, of the property classification code (see Chapter B and Appendix A). Where it is desirable for machine purposes to have two digits, a zero may be added to a single digit code. The principal complexes actually found in the field are listed alphabetically below:

Airport	97	Medical center	33
Amusement park	11	Military base	63
Apartment	42	Office	59
Athletic field	12	Park	12
Ball park	12	Plant, industrial	70
Carnival	12	Prison	34
Camp	43	Public assembly, general	10
Circus	12	Rail yard	95
Cloth worker	74	Residence, general	40
Club	14	School, boarding	22
College	24	Shopping center	58
Commercial building	50	Storage, building, general	80
Farm	65	Textile plant	73
Food processor	71	Trailer court	47
Hospital	33	University	24
Hotel	44	Warehouse, general	80
Institution, general	30	Waterfront property	94
Junior college	24	Wood and paper worker	75
Machine Shop & Foundry	77	Zoo	11
Manufacturer, general	70		

A22. Mentioned above was the use of a shopping center with a clothing store in it. This clothing store would be identified as follows: 58-521.

A23. As another example, take a hotel building housing a garage, a clothing store, a barber shop, a ballroom, an exhibition hall, a restaurant, a night club, and, of course, the individual guest rooms with their approaches. These eight uses would be identified, respectively, as: 44-882, 44-521, 44-557, 44-121, 44-122, 44-161, 44-162 and 44-441, assuming the hotel is open the year round. If only a 2-digit code is used for the property classification, the combined complex-property classification would be: 44-88, 44-52, 45-55, 44-12, 44-12, 44-16, 44-16, and 44-44, respectively.

A24. Of course, if a building houses only a single occupancy, such as the average dwelling, for instance, there is no need of a double code. The complex code should be used only where there really are complexes.

Chapter B. Property Classification List

B1. Alphabetical and Logical Lists

B11. The property classification list that follows is alphabetical, since people, in general, can more easily find what they want alphabetically than in any other way. A logical breakdown of the classification is given in Appendix A. This latter breakdown follows in broad outline the Life Safety Code, NFPA No. 101.

The main headings are:

1. Public Assembly
2. Education
3. Institution
4. Residence
5. Store and Office
6. Basic Industry, Miscellaneous
7. Manufacture
8. Storage
9. Special Property

B2. Purpose of List

B21. The purpose of the list is to provide a simple and uniform system for the classification of property use. Other details about the property, such as the ownership, the size, or the construction may be found elsewhere.

B22. The list is valuable in preparing an inventory, in identification for license or inspection purposes, and in reporting and analyzing fire experience.

B3. Organization of List

B31. The nine major divisions or main headings are listed above. Each major division is subdivided into divisions (second digit) and each division into subdivisions (third digit of code). There are 68 divisions and 406 subdivisions, omitting miscellaneous and unknown categories.

B32. In divisions and subdivisions the No. 9 has been reserved throughout for miscellaneous property uses — those “not elsewhere classified.” For example, 169 indicates a public assembly property of the eating places type, but “not elsewhere classified.”

B33. No. 0 has been reserved throughout for reports on property use where "insufficient information given to classify further." For example, 100 indicates a public assembly property of an unknown type.

B34. Those reporting agencies whose data processing system makes provision for only nine digits in any one column may, of course, combine the 9 and 0 codes discussed above.

B4. The alphabetical list

B41. The alphabetical list of property use classification follows:

711B	Abattoir	978B	Aircraft, ground effect, non-military
687B	Abrasives plant	886B	Aircraft hangar
742B	Academic robe mfg	786B	Aircraft mfg, repair
221B	Academy, boarding	976B	Aircraft, military combat
142B	Academy, riding	977B	Aircraft, military noncombat
761B	Acetylene gas mfg	973B	Aircraft, reciprocating engine, fixed wing
761B	Acid plant	974B	Aircraft, turbine engine, fixed wing
763B	Acrilan fiber mfg	971B	Aircraft under 12,500 lbs
776B	Adding machine mfg	975B	Aircraft, vertical take-off
595B	Addressing firm	173B	Airline limousine terminal
765B	Adhesive mfg, not synthetic resin	786B	Airplane mfg, assembly, repair
764B	Adhesives mfg, synthetic resin	841B	Airport bulk plant
591B	Administrative office	933B	Airport, constr, repair
799B	Advertising display mfg	632B	Airport control tower
754B	Advertising sign mfg	934B	Airport, demolition
774B	Aerial cableway mfg	841B	Airport, gasoline, distributing
986B	Aerial tramway	171B	Airport passenger terminal
791B	Aeronautical instrument mfg	721B	Alcohol beverage distillery
311B	Aged persons home, w/nursing	721B	Alcohol, industrial distilling
312B	Aged persons home, w/o nursing	721B	Alcohol plant
773B	Agricultural fork mfg	846B	Alcoholic beverage stge
626B	Agricultural laboratory	723B	Ale mfg
774B	Agricultural machine mfg, non-elec	846B	Ale storage
812B	Agricultural products, boxed	715B	Alfalfa mill
813B	Agricultural products, loose	761B	Alkali mfg
818B	Agricultural supply storage	111B	Alley, bowling
774B	Agricultural tractor mfg	758B	Almanac, publishing, printing
774B	Air compressor mfg	524B	Alteration shop, garment
774B	Air condition mchry, mfg	772B	Aluminum casting
776B	Air conditioner mfg, unit type	773B	Aluminum, hollow ware, mfg
591B	Air force office	772B	Aluminum, refining, etc
925B	Air raid shelter	773B	Aluminum, stamping
761B	Air reduction	772B	Aluminum, wire drawing
773B	Air rifle mfg	784B	Ambulance mfg, assembly
972B	Aircraft 12,500 lbs and over	761B	Ammonia synthesis
786B	Aircraft assembly	761B	Ammonium nitrate plant
894B	Aircraft freight terminal		

864B	Ammonium nitrate storage	791B	Artificial limb mfg
762B	Ammunition mfg	761B	Artificial manure mfg
552B	Ammunition sales	799B	Artist brush mfg
123B	Amphitheater	765B	Artist color mfg
113B	Amusement hall, place, booth	799B	Artist material mfg, excl, paint
773B	Anchor mfg	765B	Artist paint mfg
791B	Anesthetic machine mfg	563B	Artist supply sales
556B	Animal care center	688B	Asbestos concrete product mfg
813B	Animal feed storage, un-processed	688B	Asbestos fiber working
833B	Animal feed storage, processed	678B	Asbestos, mining, quarrying
719B	Animal food preparing, mfg	688B	Asbestos products plant
715B	Animal food, stock dry feed	768B	Asphalt impregnated paper mfg
556B	Animal hospital	678B	Asphalt, mining, quarrying
719B	Animal medicine, preparing	768B	Asphalt plant, mfg
726B	Animal oil refinery, non edible	774B	Asphalt road machine mfg
726B	Animal oil rendering, non edible	591B	Association office
556B	Animal shop, supplies	742B	Athletic clothing mfg
663B	Animal, trapping, hunting	141B	Athletic club, w/o sleeping
531B	Antique shop	421B	Athletic club, w/sleeping 1-2 units
421B	Apartment, 1-2 families, w/business	423B	Athletic club, w/sleeping 3-20 units
422B	Apartment, 3-20 families, w/business	424B	Athletic club, w/sleeping over 20 units
423B	Apartment, 3-20 families, w/o business	933B	Athletic field, constr, repair
424B	Apartment, over 20 families	934B	Athletic field, demolition
654B	Apiary	798B	Athletic goods mfg
655B	Apple growing	758B	Atlas mfg
776B	Appliance assembling, elec	611B	Atomic fission, fusion materials mfg
776B	Appliance repair, elec w/mfg	976B	Attack bomber
532B	Appliance repair, elec w/sales	531B	Auction house
538B	Appliance repair, shop w/o sales	182B	Auditorium
532B	Appliance store	591B	Auditors office
742B	Apron mfg	784B	Auto accessory mfg
933B	Aqueduct, constr, repair	575B	Auto accessory sales
934B	Aqueduct, demolition	873B	Auto accessory storage
594B	Architect office	573B	Auto body repairing
123B	Arena, sports	573B	Auto paint shop
761B	Argon gas mfg	873B	Auto parts storage
591B	Armed forces office	877B	Auto salvage, junk yard
784B	Armored car mfg, assembly	573B	Auto seat cover shop
122B	Armory hall	573B	Auto specialty repair shop
582B	Army and navy store	575B	Auto supply store
591B	Army office	877B	Auto wrecking
677B	Arsenic, mining, quarrying	161B	Automat
779B	Arsenic, processing	795B	Automatic piano mfg
152B	Art gallery, incl, sales	784B	Automobile assembly plant
233B	Art school	571B	Automobile filling station
563B	Art supply sales	883B	Automobile lot
761B	Artificial color mfg, food	784B	Automobile mfg, assembly
742B	Artificial flower mfg	784B	Automobile parts mfg
738B	Artificial leather mfg	961B	Automobile, passenger
		573B	Automobile repair shop

574B	Automobile salesroom	815B	Barn
575B	Automobile tire store	464B	Barrack
573B	Automobile top shop	752B	Barrel plant
573B	Automotive muffler shop	751B	Barrel stove mfg
231B	Automotive school	751B	Barrelhead mfg
924B	Awning, canopy	677B	Barytes, mining, quarrying
743B	Awning mfg	761B	Barytes, processing
526B	Awning store	773B	Base metal, cold pressing, etc
773B	Axe mfg	752B	Basket mfg
785B	Axle mfg, cycle	686B	Batch plant, concrete or cement
784B	Axle mfg, motor vehicle	116B	Bathhouse
743B	Baby blanket mfg	116B	Bathing beach
787B	Baby carriage mfg	747B	Bathing cap mfg
742B	Baby clothes mfg	771B	Bathtub mfg, cast iron
713B	Baby food mfg, homogenized	747B	Battery case mfg
712B	Baby food mfg, with milk base	776B	Battery mfg
711B	Bacon curing	739B	Batting mill
799B	Badge mfg	673B	Bauxite mine, quarry
773B	Bag clasp mfg, base metal	772B	Bauxite processing
743B	Bag mfg, burlap	773B	Bayonet mfg
746B	Bag mfg, leather	142B	Beach club
754B	Bagatelle board mfg	715B	Bean, grinding, splitting
892B	Bagged mineral prod stge	811B	Bean storage, bulk
737B	Bagging cord plant	774B	Bearing mfg, roller, ball, needle
716B	Bakery	557B	Beauty shop
513B	Bakery, sales	754B	Bedding plant
719B	Baking powder mfg	743B	Bedspread mfg
747B	Balata products mfg	654B	Bee raising
821B	Bale storage, cotton	723B	Beer mfg
824B	Bale storage, jute, hemp, sisal fiber	163B	Beer parlor
823B	Bale storage, silk, synthetic fiber	846B	Beer stge
822B	Bale storage, wool, worsted	742B	Belt mfg., excl leather
855B	Baled paper stge	746B	Belt mfg, leather
774B	Ball bearing mfg	744B	Belting leather tannery
747B	Ball mfg, rubber or synthetic	747B	Belting mfg, rubber or synthetic
123B	Ball park	744B	Belting plant, canvas
979B	Balloon	732B	Belting plant, cloth
947B	Balloon, towed petroleum	767B	Benzene mfg
799B	Ballpoint pen mfg	141B	Bet taking shop
121B	Ballroom	723B	Beverage mfg, beer
752B	Bamboo products mfg	724B	Beverage mfg, nonalcoholic
754B	Bank furniture mfg	721B	Beverage mfg, spirits
758B	Banknote printing	722B	Beverage mfg, wine
592B	Banks	846B	Beverage storage, alcoholic
592B	Banks, branch office	832B	Beverage storage, soft
743B	Banner mfg	514B	Beverage store
163B	Bar, alcoholic beverage	785B	Bicycle assembly and repair
754B	Bar furniture mfg	966B	Bicycle, motorized
557B	Barber shop	552B	Bicycle sales and repair
561B	Barber supplies, store	871B	Billet storage
947B	Barge	112B	Billiard center
781B	Barge, building, repairing	754B	Billiard table mfg
947B	Barge, tank	774B	Binder machine mfg
715B	Barley, milling, flaking, rolling	758B	Binder mfg, paper, cardboard

758B	Bindery, book	717B	Boiled sweets mfg
113B	Bingo hall	688B	Boiler gasket mfg
792B	Binocular mfg	646B	Boiler house
621B	Biological laboratory	771B	Boiler mfg, cast iron
719B	Birdseed mixing	781B	Boiler mfg, marine
716B	Biscuit mfg	688B	Boiler packing mfg, asbestos
674B	Bituminous sand operation	774B	Boilerhouse machine mfg
773B	Blacksmith shop	773B	Bolt mfg, metal
758B	Blank book mfg	662B	Bolt, wood, hewing, rough cutting
776B	Blanket mfg, elec	773B	Bomb case mfg
743B	Blanket mfg, nonelec	762B	Bomb filling
771B	Blast furnace	925B	Bomb shelter
762B	Blasting agent mfg	726B	Bone oil, refining
761B	Bleach mfg	799B	Bone products mfg
123B	Bleachers, for seating	719B	Bone, scraping, crushing
735B	Bleaching plant	914B	Bonfire
726B	Blended table oil mfg	758B	Book, bronzing, gilding, edging
776B	Blender mfg, elec, kitchen	758B	Book mfg, blank
754B	Blind mfg, venetian, non-wood	758B	Book, publishing, printing
751B	Blind mfg, wood	758B	Book repair
333B	Blind persons institution	541B	Book store, new, used
662B	Blocks, wood, rough cutting	758B	Bookbinding
742B	Blouse mfg	774B	Bookbinding machine mfg
595B	Blueprinting firm	141B	Bookmaker place, gambling
311B	Boarding care home, aged w/nursing	774B	Boot mchry, mfg
312B	Boarding care home, aged w/o nursing	741B	Boot mfg, excl. vulcanized rubber
322B	Boarding care home, children	747B	Boot mfg, vulcanized rubber
332B	Boarding care home, non-aged convalescent	523B	Boot repair
431B	Boarding house, 4-8 roomers	753B	Boot tree mfg
432B	Boarding house, 9-15 roomers	523B	Bootblack stand
441B	Boarding house, over 15 roomers, yr rd	732B	Bootlace mfg, braided cotton
221B	Boarding school classroom bldg	733B	Bootlace mfg, braided wool
576B	Boat accessory sales	734B	Bootlace mfg, braided, mixed fibers
948B	Boat, commercial fishing	677B	Borate minerals, mining, quarrying
782B	Boat mfg	761B	Borate minerals, processing
885B	Boat mooring, fueling, docking	774B	Boring machine mfg
782B	Boat repair	756B	Bottle cap, seal mfg
576B	Boat sales	683B	Bottle plant
885B	Boat storage	683B	Bottle stopper, glass mfg
885B	Boathouse	774B	Bottling mchry, mfg
143B	Boating club	724B	Bottling plant
782B	Boatyard, vessels 65 ft and under	753B	Bowl mfg, hardwood
753B	Bobbin mfg	111B	Bowling establishment
785B	Body mfg, cycle	552B	Bowling shop
784B	Body mfg, motor vehicle	773B	Box mfg, metal
573B	Body repair shop, motor vehicle	756B	Box mfg, paper
672B	Bog ore mining, quarrying	752B	Box mfg, wood
		752B	Box plant, wood
		742B	Brace suspender mfg
		732B	Braid mfg, cotton
		734B	Braid mfg, mixed, other fibers

733B	Braid mfg, wool or worsted	824B	Burlap storage, bales, bags
737B	Braided cord mfg	962B	Bus
688B	Brake lining mfg	784B	Bus mfg, assembly
785B	Brake mfg, cycle	883B	Bus parking
784B	Brake mfg, motor vehicle	574B	Bus sales
721B	Brandy mfg	173B	Bus terminal
773B	Brass hollow ware	232B	Business school commercial
772B	Brass, refining, etc	712B	Butter mfg
773B	Brass, stamping	835B	Butter stge
772B	Brass wire drawing	799B	Button mfg
742B	Brassiere mfg	961B	Cab
716B	Bread mfg	116B	Cabana
715B	Breakfast food mfg	451B	Cabin, tourist
723B	Brewery	754B	Cabinet shop
682B	Brick, glass mfg	774B	Cable car mfg
681B	Brick, heat-resisting mfg	776B	Cable mfg, insulated, elec
774B	Brick making machine mfg	634B	Cable, telephone, telegraph
681B	Brick plant, non glass	634B	Cable terminal, telephone
921B	Bridge	161B	Cafe
933B	Bridge, constr, repair	161B	Cafeteria
934B	Bridge, demolition	122B	Cage athletic practice
676B	Brine pit	716B	Cake mfg
768B	Briquette mfg	719B	Cake mix mfg
895B	Briquette stge	776B	Calculating machine mfg
773B	Bronze hollow ware	792B	Camera equipment plant
772B	Bronze, refining, etc	792B	Camera mfg
773B	Bronze stamping	553B	Camera store
772B	Bronze wire drawing	473B	Camping trailer, collapsible
799B	Broom mfg	773B	Can mfg, metal
799B	Brush mfg	726B	Candle mfg
911B	Brush growth, outdoors	726B	Candle plant
773B	Bucket mfg, metal	717B	Candy mfg
752B	Bucket mfg, wood	513B	Candy shop
773B	Buckle mfg, base metal	752B	Cane, container mfg
794B	Buckle mfg, precious metal	752B	Cane products mfg
954B	Budd car	713B	Cannery, fruit, vegetable
851B	Builders supply warehouse	714B	Cannery, sea food
935B	Building condemned	744B	Canvas belting plant
688B	Building face stone works	743B	Canvas goods mfg
751B	Building mfg, portable wooden	526B	Canvas goods store
755B	Building paper mfg, fiber	826B	Canvas storage
751B	Building products mfg, wood	742B	Cap or hat mfg
555B	Building supply store	591B	Capitol building
931B	Building under construction	774B	Capstan mfg
932B	Building under demolition	961B	Car, automobile
938B	Building under renovation	887B	Car house
843B	Bulk LP-gas plant	578B	Car washing
841B	Bulk plant, petroleum	717B	Caramel mfg
981B	Bulldozer	768B	Carbon black plant
774B	Bulldozer mfg	895B	Carbon black stge
752B	Bung mfg	768B	Carbon mfg
466B	Bunkhouse	799B	Carbon paper plant
949B	Buoy maintenance	768B	Carbon plant
753B	Buoy mfg, cork	687B	Carborundum wheels mfg
743B	Burlap bag mfg	784B	Carburetor mfg, motor vehicle

774B	Card can mfg, for textile machine	661B	Charcoal burning, in forest
756B	Card mfg, index	768B	Charcoal mfg
774B	Cardboard box machine mfg	768B	Charcoal processing
756B	Cardboard box or file mfg	895B	Charcoal stge
756B	Cardboard file mfg	784B	Chassis mfg, motor vehicle
946B	Cargo ship	798B	Checkerboard mfg
562B	Carpenter equipment sales	712B	Cheese factory, natural, processed
936B	Carpenter shed	742B	Chefs clothing mfg
796B	Carpet, cleaning, dyeing	621B	Chemical laboratory
732B	Carpet, rug mfg, cotton	761B	Chemical mfg, general
734B	Carpet, rug mfg, mixed fibers	677B	Chemical mining
733B	Carpet, rug mfg, wool	761B	Chemical salts mfg
826B	Carpet storage	861B	Chemical storage, basic industrial
536B	Carpet store	862B	Chemical storage, hazardous
516B	Carry-out food store	798B	Chess set mfg
756B	Carton mfg	717B	Chewing gum mfg
855B	Carton stge	725B	Chewing tobacco mfg
762B	Cartridge filling	334B	Child welfare clinic
762B	Cartridge works	322B	Children's home
773B	Carving fork, knife mfg	491B	Children's playhouse
773B	Casement window mfg, metal	567B	Chimney cleaning firm
773B	Cash box mfg	681B	Chimney liner mfg
776B	Cash register mfg	681B	Chimney pipes, clay mfg
752B	Cask head mfg	684B	China, decorating repair, mfg
752B	Cask mfg	684B	China ornaments mfg
753B	Casket mfg	684B	China pottery mfg
852B	Casket storage and display	545B	China shop
771B	Cast iron products mfg	893B	China stge
726B	Castor oil, refining	593B	Chiropracist office
584B	Catalogue store	593B	Chiropractor office
776B	Cathode ray tube mfg	773B	Chisel mfg
652B	Cattle raising	717B	Chocolate factory
776B	Ceiling fixture mfg, elec	758B	Christmas card printing
341B	Cell block, prison, men	131B	Church
925B	Cellar, cyclone	133B	Church hall
762B	Cellulose nitrate plastic fabricating	133B	Church meeting hall
762B	Cellulose nitrate plastic mfg	591B	Church office building
762B	Cellulose nitrate plastic re-claiming	545B	Church supply store
685B	Cement mill	722B	Cider mfg, hard
685B	Cement plant	724B	Cider mfg, soft
892B	Cement stge	752B	Cigar box mfg
591B	Central forces office	725B	Cigar plant
675B	Ceramic clay, extraction from earth	838B	Cigar storage
716B	Cereal filler mfg	542B	Cigar store
715B	Cereal plant	746B	Cigarette case mfg
773B	Chain mfg, metal w/o rollers	755B	Cigarette paper mfg
774B	Chain mfg, metal w/rollers	725B	Cigarette plant
986B	Chair lift	838B	Cigarette storage
754B	Chair mfg, any material	726B	Cinnamon oil mfg
675B	Chalk, extraction from earth	775B	Circuit breaker mfg
688B	Chalk product mfg	773B	Cistern mfg
131B	Chapel	771B	Cistern mfg, cast iron
		141B	City club
		643B	City gas mfg
		591B	City hall

633B	Civil defense communications center	715B	Coffee mill
948B	Clam, digging, harvesting	715B	Coffee roasting
714B	Clam, packing	753B	Coffin mfg
675B	Clay, extraction from earth	852B	Coffin stge & display, wood
681B	Clay flooring tile mfg	876B	Coffin stge & display, metal
893B	Clay prods stge	794B	Coin mfg
681B	Clay roofing tile mfg	746B	Coin purse mfg
681B	Clay, screening, preparing	564B	Coin-operated dry cleaning
743B	Cleaning cloth mfg	564B	Coin-operated laundry
742B	Clerical vestment mfg	739B	Coir mat mfg
334B	Clinic	768B	Coke by-products plant
793B	Clock case mfg	768B	Coke mfg
793B	Clock mechanism mfg	643B	Coke oven, in gas works
793B	Clock mfg, all	771B	Coke oven, in iron, steel plant
793B	Clock part mfg		Coke storage
741B	Clog footwear mfg	895B	Cold storage
732B	Cloth belting plant	835B	Cold storage
738B	Cloth coating processes	742B	Collar mfg
742B	Cloth lining mfg	461B	College dormitory
825B	Cloth storage	215B	College preparatory school, day
522B	Clothing accessory sales	221B	College preparatory school, boarding
524B	Clothing alteration shop		Colliery rail tub mfg
742B	Clothing plant	783B	Colliery winding gear mfg
521B	Clothing rental	774B	Color mfg, artists
796B	Clothing, repair	765B	Comb mfg, for textile machine
521B	Clothing store	774B	Combat ship
141B	Club, city	945B	Combine
142B	Club, country	841B	Combustible liquids tank stge
162B	Club, night	862B	Commercial explosives stge
143B	Club, yacht, boating	758B	Commercial lithographing
785B	Clutch mfg, cycle	758B	Commercial printing
784B	Clutch mfg, motor vehicle	232B	Commercial school
768B	Coal distillation	968B	Commercial trailer
671B	Coal drying	591B	Commodity, broker, exchange
671B	Coal mining	933B	Communication system, constr, repair
671B	Coal, prospecting	934B	Communication system, demolition
895B	Coal stge	774B	Composing room equipment mfg
768B	Coal tar oils mfg	821B	Compress, cotton
742B	Coat mfg	963B	Compressed gas truck
738B	Coating, cloth	774B	Compressor mfg
755B	Coating paper mfg	644B	Compressor station, gas
688B	Coating, paper w/abrasives	635B	Computer center
768B	Coating, paper w/asphalt, tar	776B	Computer mfg, elec
799B	Coating, paper w/carbon	181B	Concert hall
792B	Coating, paper w/sensitizer	686B	Concrete batch plant
523B	Cobbling	681B	Concrete block mfg
721B	Cocktail mfg	774B	Concrete mixer mfg
717B	Cocoa butter mfg	686B	Concrete mixing
717B	Cocoa processing	688B	Concrete pipe mfg
726B	Coconut oil, refining	686B	Concrete, ready-mix plant
739B	Coconut fiber, spinning, weaving		
726B	Cod liver oil, refining		
655B	Coffee growing		
715B	Coffee, instant, mfg		

935B	Condemned property	732B	Cotton bag mfg
719B	Condiment mfg	732B	Cotton mill, cloth or yarn
761B	Confectioners color mfg	821B	Cotton compress
513B	Confectionery sales	735B	Cotton, finishing
931B	Construction, bldg, under	732B	Cotton mill, full process
574B	Construction equipment sales	731B	Cotton gin
981B	Construction equipment	732B	Cotton mill, part process
884B	Construction mchry, storage	732B	Cotton mill, reworking
933B	Construction, other than bldg	737B	Cotton, rope, cord, etc
594B	Consulting engineers office	821B	Cotton storage, bales
773B	Container mfg, metal	731B	Cottonseed house
756B	Container mfg, paper	726B	Cottonseed oil plant
761B	Continuous filament yarn mfg	811B	Cottonseed storage, bulk
936B	Contractor shed	741B	Counter shoe mfg
774B	Contractors machine mfg	743B	Counterpane mfg
594B	Contractors office, permanent	142B	Country club
311B	Convalescent home, aged w/nursing	811B	Country grain elevator
312B	Convalescent home, aged w/o nursing	513B	Country store
332B	Convalescent home, sick persons	311B	County home, w/nursing
465B	Convent	312B	County home, w/o nursing
926B	Conveyor	591B	County office
774B	Conveyor mfg	342B	County workhouse, women
716B	Cookie mfg	783B	Coupler mfg, automatic railroad
751B	Cooperage stock mfg	773B	Coupling mfg, metal
752B	Coopering	155B	Court house
773B	Copper hollow ware, mfg	743B	Cover mfg
673B	Copper mine, quarry	652B	Cow raising
772B	Copper refining, etc	948B	Crab, gathering
773B	Copper stamping, cold press- ing	714B	Crab, packing
772B	Copper wire drawing	773B	Crane hook mfg
776B	Cord mfg, insulated elec	775B	Crane mfg, elec
737B	Cordage plant	774B	Crane mfg, nonelectric
721B	Cordial mfg	983B	Crane, mobile, fixed
662B	Cordwood stge	884B	Crane storage, mobile
753B	Cork grinding	752B	Crate mfg, wood
753B	Cork plant	774B	Crawler tractor mfg
753B	Cork products mfg	765B	Crayon mfg
816B	Corn crib	712B	Creamery
726B	Corn oil, refining	591B	Credit company office
982B	Corn picker	134B	Crematorium
232B	Correspondence school	751B	Creosote impregnating
756B	Corrugated paper fabricating	816B	Crib, corn
755B	Corrugated paper mfg	655B	Crops
742B	Corset mfg	681B	Crucible, fireclay, graphite mfg
766B	Cosmetics mfg	674B	Crude oil stge, at well
866B	Cosmetics storage	674B	Crude oil, well, extracting
561B	Cosmetics supply store	948B	Crustacea, catching, taking
799B	Costume jewelry mfg	842B	Cryogenic gas stge
545B	Costume jewelry sales	776B	Crystal mfg, elec
742B	Costume mfg	933B	Culvert, constr, repair
799B	Costume novelties mfg	934B	Culvert, demolition
521B	Costume renting	114B	Curling rink
		796B	Curtain, cleaning, dyeing
		743B	Curtain mfg

526B	Curtain shop	647B	Desalting plant
747B	Cushion mfg, rubber or synthetic	233B	Designers school
682B	Cut glass mfg	344B	Detention camp, men
773B	Cut nail mfg	343B	Detention home, juvenile
741B	Cut sole mfg	342B	Detention home, women
773B	Cutlery mfg, household	726B	Detergent mfg
791B	Cutlery mfg, surgical, dental	762B	Detergent stge
545B	Cutlery store	869B	Detergent stge
774B	Cutting machine mfg	762B	Detonator mfg
785B	Cycle mfg	621B	Diagnostic laboratory
552B	Cycle shop	794B	Diamond, cutting
925B	Cyclone cellar	544B	Diamond sales
761B	Cyclopropane gas mfg	796B	Diaper service plant
712B	Dairy	965B	Diaper service truck
776B	Dairy elec, appliance mfg	532B	Dictating equipment sales
774B	Dairy machinery mfg, non-elec	538B	Dictating equipment repair w/o sales
515B	Dairy quick-freeze store	776B	Dictating machine mfg
515B	Dairy store	772B	Die Casting
933B	Dam, constr, repair	758B	Die stamping, paper
934B	Dam, demolition, other than bldg	774B	Diesel engine mfg
121B	Dance hall	161B	Diner
113B	Dance studio	161B	Dining hall
775B	Dashboard instrument mfg	951B	Dining-car, railroad
756B	Data processing card mfg	758B	Directory, publishing, printing
635B	Data processing center	979B	Dirigible
776B	Data processing machine mfg	633B	Disaster control center
799B	Date stamp mfg	583B	Discount store, over 10,000 sq ft
717B	Date, stuffed, mfg	582B	Discount store, under 10,000 sq ft
321B	Day care center, over 4 hrs	684B	Dish mfg
211B	Day nursery school, 4 hrs or less	761B	Disinfectant mfg, commercial
321B	Day nursery school, over 4 hrs	766B	Disinfectant mfg, pharmaceutical
333B	Deaf persons institution	687B	Disks, grinding, abrasive mfg
773B	Deed box mfg	754B	Display case mfg
718B	Deep fat frying	768B	Distillation, coal tar
591B	Defense forces office	768B	Distillation, coal
776B	Dehumidifier mfg, unit type	767B	Distillation, petroleum tar
713B	Dehydration plant	721B	Distillery
516B	Delicatessen	646B	District heating, steam
932B	Demolition, bldg	754B	Divan bed mfg
934B	Demolition, other than bldg	898B	Dock
791B	Dental appliance mfg	593B	Doctors office
791B	Dental instrument mfg	636B	Document center
791B	Dental supply mfg	798B	Doll mfg
593B	Dental surgeons office	682B	Domestic glassware mfg
593B	Dentists office	684B	Domestic pottery, china, mfg
891B	Department store storage	753B	Domestic woodware mfg
581B	Department store, w/furniture	773B	Door frame mfg, metal
583B	Department store, w/o furniture	773B	Door mfg, metal
174B	Depot, railroad, street level	773B	Door mfg, storm, screen, metal
		751B	Door mfg, wood

751B	Door or window screen mfg, wood	776B	Duplicating machine mfg
466B	Dormitory, bunk house	799B	Duplicator mfg, not machine
462B	Dormitory, fraternity or sorority	774B	Dust extraction mchry, mfg
464B	Dormitory, military	422B	Dwellings, 3-20 families, w/bus
463B	Dormitory, nurses quarters	423B	dwelling, 3-20 families, w/o bus
465B	Dormitory, religious	411B	Dwellings, 1-family, year-round use
461B	Dormitory, school, college	412B	Dwellings, 1-family, seasonal, in season
444B	Dormitory-type hotel	413B	Dwellings, 1-family, seasonal, off season
716B	Doughnut mfg	414B	Dwellings, 2-family, year-round use
773B	Drag mfg, metal	415B	Dwellings, 2-family, seasonal, in season
774B	Dragline excavator mfg	416B	Dwellings, 2-family, seasonal, off season
931B	Drainage project, constr, repair	424B	Dwellings, over 20 families
934B	Drainage project, demolition	716B	Dye intermediates mfg
743B	Drapery mfg	774B	Dye machine mfg, textile
526B	Drapery store	735B	Dyeing plant, textile
541B	Drawing supply store	981B	Earth mover
981B	Dredge	774B	Earth-moving machine mfg
933B	Dredging, other than mining	684B	Earthenware, decorating, repair
742B	Dress mfg	893B	Earthenware stge
742B	Dressing gown mfg	711B	Edible fat mfg
524B	Dressmaking shop	719B	Egg processing
776B	Drill mfg, elec	651B	Egg production
674B	Drilling, for oil	732B	Elastic mfg, cotton
985B	Drilling rig, petroleum, gas	734B	Elastic mfg, mixed, other fibers
981B	Drilling rig, water	733B	Elastic mfg, wool or worsted
774B	Drink mchry, mfg	763B	Elastomers mfg, synthetic
164B	Drive-in eating place	776B	Electric appliance mfg
184B	Drive-in theater	532B	Electric appliance repair, w/sales
233B	Driving school	538B	Electric appliance repair, w/o sales
773B	Drop forged metal pieces mfg	775B	Electric distribution equip
774B	Drop hammer machine mfg	791B	Electric control device mfg
773B	Drop stamped metal pieces mfg	775B	Electric distribution equip mfg
582B	Drug store, no pharmacist	642B	Electric distribution system
543B	Drug store, pharmacist on duty	641B	Electric generating plant
766B	Drugs mfg	776B	Electric lamp mfg
866B	Drugs storage	776B	Electric light mfg, all types
773B	Drum mfg, metal	775B	Electric mchry mfg
752B	Drum mfg, wood	791B	Electric measuring instrument mfg
566B	Dry cleaning pick-up shop	775B	Electric motor mfg
796B	Dry cleaning plant	776B	Electric plug mfg
564B	Dry cleaning, self-service	791B	Electric recording instrument mfg
781B	Dry dock	776B	Electric sign mfg
825B	Dry goods storage		
526B	Dry goods store		
761B	Dry ice mfg		
811B	Dryer, corn, grain		
776B	Dryer mfg, domestic		
865B	Drying oil storage		
333B	Dumb persons institution		
912B	Dump		
742B	Dungaree mfg		
595B	Duplicating firm		

776B	Electric socket mfg	688B	Engine packing mfg, asbestos
776B	Electric stove mfg	786B	Engine repair, aircraft
642B	Electric substation	774B	Engine repair, industrial
776B	Electric switch mfg	781B	Engine repair, marine
775B	Electric switchgear mfg	573B	Engine repair, motor vehicles
776B	Electric tool mfg, portable	774B	Engine test cell
775B	Electric traction motor mfg	594B	Engineering office
775B	Electric transmission equip mfg	561B	Engineering supply sales
642B	Electric transmission system	774B	Engineers tool mfg, metal
532B	Electrical appliance sales	757B	Engraving, photo, newspaper & magazine
875B	Electrical appliance storage	758B	Engraving, photo, commercial
775B	Electrical equipment assem- bling	794B	Engraving, precious metal
776B	Electrical mchry repairs	758B	Engraving, printing plates
874B	Electrical mchry storage	774B	Envelope machine mfg
573B	Electrical repair shop, motor vehicle	756B	Envelope mfg
875B	Electrical supply storage	513B	Epicure shop
642B	Electrical vault	775B	Escalator mfg
791B	Electro-medical equipment mfg	726B	Essential oil mfg
774B	Electrode mfg, welding	758B	Etching, printing plates
791B	Electronic control device mfg	721B	Ethyl alcohol, distilling
625B	Electronic, electrical labora- tory	774B	Excavating machine mfg
791B	Electronic measuring device mfg	774B	Excavator mfg
776B	Electronic navigational aid mfg	751B	Excelsior mfg
682B	Electronic tube, glass en- velope mfg	751B	Excelsior plant
757B	Electrotyping, newspaper or magazine	853B	Excelsior stge
758B	Electrotyping, commercial	591B	Exchange clearing house
213B	Elementary school	634B	Exchange telephone, tele- graph
933B	Elevated highway, constr, repair	774B	Exhauster mfg
934B	Elevated highway, demolition	122B	Exhibition hall
176B	Elevated railway station	762B	Explosives mfg
921B	Elevated structure	558B	Explosives sales, retail
811B	Elevator, grain	862B	Explosives, storage
775B	Elevator mfg, elec	591B	Exporters office
774B	Elevator mfg, nonelectric	122B	Exposition hall
799B	Emblem mfg	567B	Exterminator firm
794B	Emerald, cutting	724B	Extract mfg, flavoring
633B	Emergency communications center	763B	Extrusion compounds mfg, plastic
687B	Emery wheel mfg	774B	Extrusion machine mfg
784B	Engine assembly, motor vehicle	791B	Eye mfg, artificial
688B	Engine gasket mfg, asbestos	548B	Eyeglass fitting
786B	Engine mfg, aircraft	741B	Fabric footwear
774B	Engine mfg, industrial	732B	Fabric mfg, cotton
781B	Engine mfg, marine	734B	Fabric mfg, mixed, other fibers
784B	Engine mfg, motor vehicle	733B	Fabric mfg, wool or worsted
		739B	Fabric waste recovering
		774B	Fabricated steel mfg, industrial
		948B	Factory vessel
		141B	Faculty club
		123B	Fair ground grandstand

925B	Fallout shelter	756B	File mfg, cardboard
776B	Fan mfg, unit type	773B	Files mfg, insulated
655B	Farm crop	754B	Filing cabinet mfg, any material
574B	Farm implement sales	571B	Filling station, gasoline public
818B	Farm implement storage	577B	Filling station, marine
811B	Farm silo	572B	Filling station, vehicle fuel, private
818B	Farm store, storage	186B	Film demonstration studio
982B	Farm tractor	186B	Film exchange
466B	Farm workers barrack	792B	Film fabrication, photographic
591B	Fashion designers office	797B	Film processing
726B	Fat distillation, non edible	186B	Film renovating
711B	Fat refining, edible	186B	Film repairing
711B	Fat rendering, edible	186B	Film screening
726B	Fat splitting, non edible	868B	Film storage, photographic
754B	Feather bed mfg	116B	Filter area, swimming pool
754B	Feather products mfg	743B	Filter cloth mfg
592B	Federal reserve bank	647B	Filtration plant, water
715B	Feed, animal or poultry	761B	Fine chemicals mfg
811B	Feed storage, bulk	877B	Finished leather goods storage
818B	Feed store	867B	Finished rubber products storage
745B	Fellmongery	826B	Finished textiles storage
742B	Felt hat mfg	852B	Finished wood products storage
732B	Felt making, cotton	735B	Finishing plant, textile
734B	Felt making, mixed fibers	633B	Fire alarm headquarters
733B	Felt making, wool or worsted	776B	Fire alarm mfg, incl nonelec
745B	Felt mfg, hair	633B	Fire alarm system, municipal
733B	Felt mill, pressed wool	941B	Fire boat, under 65 ft loa
733B	Felt, needleloom mfg	942B	Fire boat, under 1,000 gt, over 65 ft
853B	Felt stge	633B	Fire communications center
738B	Feltbase mfg	774B	Fire control device mfg
913B	Fence	591B	Fire department administrative office
751B	Fencing sawn mfg, wood	784B	Fire fighting vehicles, mfg
754B	Fender mfg, fireplace	888B	Fire hall
771B	Ferro-chrome mfg	751B	Fire retardant impregnating plant
772B	Ferro-molybdenum mfg	888B	Fire station
772B	Ferro-silicon mfg	681B	Fireclay sanitary ware mfg
772B	Ferro-tungsten mfg	773B	Fireplace tool mfg
177B	Ferry terminal	662B	Firewood stge
942B	Ferry under 1,000 gt, over 65 ft	762B	Fireworks mfg
554B	Fertilizer sales	558B	Fireworks sales, stands
864B	Fertilizer storage	862B	Fireworks storage
755B	Fiber building paper mfg	714B	Fish canning
734B	Fiber mfg, staple	665B	Fish farms
764B	Fiber mfg, synthetic	665B	Fish hatchery
853B	Fiber products storage	948B	Fish, icing, salting, filleting
756B	Fiberboard packing case mfg	726B	Fish oil, refining
753B	Fiberboard plant		
853B	Fiberboard stge		
853B	Fiberglass insulation stge		
685B	Fibro cement mfg		
911B	Field		
655B	Field crop		
122B	Field house		
976B	Fighter aircraft		

714B	Fish packing	444B	Flop house
714B	Fish, preserving, processing	547B	Florist shop
714B	Fish, salting, drying, etc	715B	Flour, blending, preparation
513B	Fish store	715B	Flour mill
941B	Fishing boat, pleasure	715B	Flour, patent, self-raising
948B	Fishing boats, charter	837B	Flour storage, bulk
142B	Fishing club	547B	Flower growing
948B	Fishing, commercial	799B	Flower plants, artificial
948B	Fishing, factory vessel type	547B	Flower sales
737B	Fishing net mfg	661B	Flower, wild, gathering
948B	Fishing, ocean, coastal, off shore	776B	Fluorescent fixture mfg
948B	Fishing vessel, commercial	682B	Fluorescent tube mfg
948B	Fishing vessel, factory type	677B	Fluorspar ore, mining, quarrying
773B	Fishhook mfg	689B	Fluorspar ore processing
611B	Fission material mfg	747B	Foam rubber mfg
611B	Fission products handling	747B	Foam rubber processing
754B	Fitting mfg, furniture	764B	Foamed plastics fabrication
754B	Fixture mfg, furniture	717B	Fondant mfg
743B	Flag mfg	712B	Food, infant, with milk base
645B	Flammable liquid pipeline	834B	Food locker plant
944B	Flammable liquids tanker ship	774B	Food mchry mfg
841B	Flammable liquids tank stge	719B	Food processed, animal, mfg
762B	Flare mfg	831B	Food product storage, packaged, dry
776B	Flashlight mfg	832B	Food product storage, canned, bottled
421B	Flat, 1-2 families, w/business	833B	Food product storage, loose or bagged
422B	Flat, 3-20 families, w/business	511B	Food store, over 10,000 sq ft
423B	Flat, 3-20 families, w/o business	513B	Food store, specialty
682B	Flat glass mfg	512B	Food store, under 10,000 sq ft
424B	Flat, over 20 families	832B	Food stuffs, processed, bottled
773B	Flat spring mfg	832B	Food stuffs, processed, canned
724B	Flavoring extract mfg	833B	Food stuffs, processed, loose
737B	Flax, rope, cordage product mfg	593B	Foot care center
824B	Flax storage, bales, bags	747B	Footwear mfg, rubber, vulcanized
734B	Flax, thatching, etc	661B	Forest fire
883B	Fleet parking	661B	Forestry
776B	Flexible shaft tool mfg	773B	Forged metal pieces mfg, drop
771B	Flexible tube mfg, iron or steel	774B	Forging machine mfg
632B	Flight control center	773B	Fork mfg, carving
753B	Float mfg, cork	794B	Fork mfg, precious metal
933B	Flood control project, construction	774B	Forklift truck mfg
934B	Flood control project, demolition	984B	Forklift trucks
567B	Floor cleaning firm	771B	Foundry, ferrous
536B	Floor covering store	772B	Foundry, non-ferrous
681B	Floor tile mfg, clay	799B	Fountain pen mfg
738B	Floor tile mfg, linoleum	785B	Frame mfg, cycle
738B	Flooring mfg, linoleum	141B	Fraternal club, w/o sleeping
747B	Flooring mfg, rubber	421B	Fraternal club, w/sleeping 1-2 units
751B	Flooring mfg, wood		

424B	Fraternal club, w/sleeping over 20 units	791B	Furniture mfg, surgical, dental
462B	Fraternity house	754B	Furniture plant
834B	Freeze locker	537B	Furniture repair shop
776B	Freezer mfg, unit type	531B	Furniture sale, used
783B	Freight car mfg, railway	852B	Furniture stge
952B	Freight car, railroad	852B	Furniture storage, public household
898B	Freight pier	531B	Furniture store
894B	Freight terminal	525B	Furrier
946B	Freighter	762B	Fuse mfg, explosive
765B	French polish mfg	611B	Fusion material mfg
834B	Frozen food locker	611B	Fusion products handling
713B	Fruit, candied peel mfg	741B	Gaiter mfg
713B	Fruit canning	152B	Gallery, art, incl sales
717B	Fruit, crystalized mfg	747B	Galoshes mfg
713B	Fruit, dehydrating, quick-freezing	141B	Gambling place
713B	Fruit drying	711B	Game, curing, salting, etc
655B	Fruit growing	711B	Game, dressing, processing
713B	Fruit juice mfg	798B	Game mfg
657B	Fruit packing, as picked	663B	Game propagation
713B	Fruit ripening after picking	551B	Game store
513B	Fruit store	113B	Games of chance, for amusement
713B	Fruit, vegetable packing	141B	Gaming place
661B	Fruit, wild, gathering	983B	Gantry crane
776B	Frying pan mfg, w/heating element	883B	Garage, city vehicle parking
773B	Frying pan mfg, w/o heating element	882B	Garage, commercial parking
717B	Fudge mfg	883B	Garage, fleet parking
768B	Fuel mfg, packaged	573B	Garage, repair
762B	Fuel mfg, rocket	881B	Garage, residential parking
767B	Fuel oil mfg	574B	Garage, with motor vehicle sales
964B	Fuel oil trucks	648B	Garbage disposal plant
784B	Fuel pump mfg, motor vehicle	648B	Garbage reduction plant
134B	Funeral chapel	655B	Garden
134B	Funeral parlor	422B	Garden apart, 3-20 families w/bus
742B	Fur apparel mfg	423B	Garden apart, 3-20 families w/o bus
742B	Fur hat mfg	424B	Garden apart, over 20 families
745B	Fur mat mfg	737B	Garden net mfg
742B	Fur muff mfg	123B	Garden, sports arena
741B	Fur product mfg, footwear	554B	Garden supplies store
742B	Fur product mfg, wearing apparel	774B	Garden tractor mfg
745B	Fur product plant	826B	Garment storage
828B	Fur product storage	742B	Garter mfg
745B	Fur rug mfg	532B	Gas appliance sales
745B	Fur, sorting, dressing, etc	774B	Gas compressor mfg
828B	Fur storage	774B	Gas cutting mchry mfg
525B	Fur store	776B	Gas discharge lamp mfg
663B	Fur, trapping, hunting	933B	Gas main, constr, repair
654B	Fur-bearing animal raising	934B	Gas main, demolition
774B	Furnace mfg, industrial	643B	Gas mfg, fuel
532B	Furnace sales		
754B	Furniture mfg		
753B	Furniture mfg, rustic		

761B	Gas mfg, industrial	775B	Golf cart mfg, elec
644B	Gas pipeline	142B	Golf club
644B	Gas pipeline compressor station	933B	Golf course, constr, repair
643B	Gas plant, manufactured, fuel	934B	Golf course, demolition
644B	Gas purification station	552B	Golf shop
681B	Gas retort mfg	513B	Gourmet shop
944B	Gas transport ship	758B	Government printing office
744B	Gas welding mchry mfg	213B	Grade school
674B	Gas well	774B	Grader machine mfg
688B	Gasket mfg, asbestos	816B	Grain elevator
774B	Gasoline engine mfg	715B	Grain mill
767B	Gasoline mfg	811B	Grain stack
767B	Gasoline refining, natural	811B	Grain storage, bulk
571B	Gasoline service station, public	776B	Gramophone mfg
572B	Gasoline service station, private	811B	Granary
841B	Gasoline storage	123B	Grandstand
964B	Gasoline tank truck	675B	Granite, quarrying, mining
842B	Gasometer	688B	Granite, working
774B	Gauge mfg, metal	688B	Graphite products mfg
784B	Gear box mfg, motor vehicle	773B	Grapple mfg
784B	Gear mfg, cycles	911B	Grass
765B	Gelatine mfg	675B	Gravel, extraction from earth
678B	Gems, natural, mining	688B	Gravel, working
591B	General business office	767B	Grease mfg
891B	General storage warehouse	845B	Grease storage in containers
641B	Generating plant electrical	547B	Greenhouse
775B	Generator mfg	751B	Greenhouse mfg, wood
775B	Generator mfg, vehicle	758B	Greeting card mfg
545B	Gift shop	687B	Grinding abrasives mfg
731B	Gin, cotton	687B	Grindstone mfg
721B	Gin mfg	715B	Grist mill
683B	Glass container mfg	812B	Grocery storage, crated, boxed
682B	Glass, cutting, etc	813B	Grocery storage, loose, bagged
682B	Glass fiber fabricating	511B	Grocery store, over 10,000 sq ft
682B	Glass fiber mfg	512B	Grocery store, under 10,000 sq ft
682B	Glass fiber processing	677B	Guano, harvesting
893B	Glass prods stge	709B	Guano, processing
682B	Glass product mfg, misc	661B	Gum, natural, gathering
893B	Glass storage	717B	Gum, chewing, mfg
545B	Glass store	762B	Gun cotton mfg
792B	Glasses, frame mfg	773B	Gun mfg
792B	Glasses mfg	552B	Gun shop
682B	Glassware mfg	762B	Gunpowder works
979B	Glider	747B	Gutta-percha products
786B	Glider mfg, assembly, repair	121B	Gymnasium
744B	Glove leather tannery	798B	Gymnastic equipment mfg
742B	Glove mfg, leather	688B	Gypsum board mfg
736B	Glove mfg, knitted	678B	Gypsum, mining, quarrying
747B	Glove mfg, rubber	688B	Gypsum products mfg
765B	Glue mfg	892B	Gypsum stge
767B	Glycerine mfg	522B	Haberdashery store
794B	Gold, assaying, smelting, etc	776B	Hair clipper mfg
673B	Gold mine, quarry	766B	Hair dressing mfg

557B	Hair dressing shop	735B	Hemp, finishing
733B	Hair felt mfg, pressed	737B	Hemp, rope, cable, etc
745B	Hair product plant	734B	Hemp, soft, spinning, etc
828B	Hair product storage	824B	Hemp storage, bales, bags
766B	Hair tonic mfg	661B	Herb, wild, gathering
799B	Hairnet mfg	744B	Hide, tanning, dressing, etc
121B	Hall, dance	827B	Hides storage
161B	Hall, dining	215B	High school
888B	Hall, fire	642B	High tension power line
141B	Hall, lodge	933B	Highway, constr, repair
112B	Hall, pool	934B	Highway, demolition
182B	Hall, public	153B	Historical building
711B	Ham curing	551B	Hobby shop
774B	Hammer machine mfg	114B	Hockey rink, fixed use
773B	Hammer mfg	123B	Hockey rink, in arena
737B	Hammock mfg	773B	Hoe mfg
752B	Hamper mfg	653B	Hog raising
773B	Hand tool mfg	775B	Hoist mfg, elec
746B	Handbag mfg	774B	Hoist mfg, nonelec
742B	Handkerchief mfg	681B	Hollow tile mfg
785B	Handle bar mfg, cycle	773B	Hollow ware mfg, w/o heating element
753B	Handle mfg, hardwood	776B	Hollow ware mfg, w/heating element
886B	Hangar	134B	Home, funeral
773B	Hardware mfg	567B	Home maintenance firm
873B	Hardware storage	533B	Home repair supply sales
533B	Hardware store	311B	Homes for aged, w/nursing staff
753B	Hardwood turning plant	312B	Homes for aged, w/o nursing staff
746B	Harness mfg	713B	Honey processing
774B	Harrow mfg, incl self-propelled	654B	Honey production beehive
742B	Hat mfg	742B	Hood mfg, wearing apparel
796B	Hat reblocking	784B	Hood mfg, motor vehicle
796B	Hat repair	773B	Hook mfg
522B	Hat store	713B	Hop kiln, curing
651B	Hatchery, poultry	775B	Horn mfg, elec
745B	Hatters fur mfg	739B	Horsehair, spinning, weaving
982B	Hay baler	773B	Horseshoe mfg
811B	Hay stack	764B	Hose mfg, plastic
811B	Hay storage, bulk, not in barn	747B	Hose mfg, rubber
815B	Hay storage, in barn	736B	Hosiery mfg, knitted
818B	Hay store	522B	Hosiery store
141B	Health club	331B	Hospital
766B	Health salt mfg	331B	Hospital, prison
784B	Heater mfg, motor vehicle	561B	Hospital supply sales
776B	Heating apparatus mfg, elec	773B	Hot pressed metal pieces mfg
646B	Heating, district, steam	444B	Hotel, dormitory type
774B	Heating mchry mfg	754B	Hotel furniture mfg
981B	Heavy construction equipment	442B	Hotel, seasonal, in season
574B	Heavy equipment sales	443B	Hotel, seasonal, off season
611B	Heavy water plant	441B	Hotel, year-round
975B	Helicopter, non-military	547B	Hothouse
172B	Heliport	475B	House boat
172B	Helistop	341B	House of correction, men
737B	Hemp cord, plant		

784B	House trailer, mfg, assembly	771B	Ingot mould mfg, cast iron
754B	Household furniture mfg	871B	Ingot storage
852B	Household furniture storage	765B	Ink mfg, printers
421B	Housekeeping apart, 1-2 families w/bus	765B	Ink mfg, writing
422B	Housekeeping apart, 3-20 families w/bus	799B	Ink pad mfg
423B	Housekeeping apart, 3-20 families w/o bus	865B	Ink storage
978B	Hovercraft, non military	442B	Inn, seasonal, in season
776B	Humidifier mfg, unit type	443B	Inn, seasonal, off season
663B	Hunting	163B	Inn, w/o sleeping accommodations
142B	Hunting club	441B	Inn, w/sleeping accommodations, yr rd
685B	Hydraulic cement mfg	741B	Inner sole mfg
774B	Hydraulic mchry mfg	747B	Inner tube mfg
622B	Hydraulics laboratory	761B	Inorganic chemical mfg
761B	Hydrogen gas mfg	761B	Insecticides mfg
761B	Hydrogen sulfide gas mfg	333B	Institution for deaf, dumb and blind
712B	Ice cream plant	335B	Institution, mental
515B	Ice cream shop	791B	Instrument mfg, electric electronic
515B	Ice cream stand, quick-freeze	791B	Instrument mfg. measuring, control
897B	Ice dispenser, coin operated	795B	Instrument mfg, musical
719B	Ice harvesting	561B	Instrument sales, professional
897B	Ice house	776B	Insulated wire, cable mfg
719B	Ice plant, mfg and natural	688B	Insulation mfg, asbestos stone
114B	Ice skating rink	682B	Insulation mfg, glass fiber
897B	Ice storage	753B	Insulation mfg, wood, cork, sawdust
799B	Identification tag mfg	684B	Insulators, pottery, clay, porcelain mfg
937B	Idle property	214B	Intermediate school
767B	Illuminating oil mfg	774B	Internal combustion engine mfg
591B	Importers office	591B	Investment firm office
682B	Incandescent lamp plant	796B	Invisible mending, clothes
648B	Incinerator, industrial	771B	Iron, basic products mfg
648B	Incinerator, municipal	771B	Iron conversion
914B	Incinerator, private	771B	Iron foundry
756B	Index card mfg	771B	Iron mfg, billets, blooms, etc
798B	Indoor game mfg	771B	Iron mfg, cast iron prod
591B	Industrial administrative office	776B	Iron mfg, domestic, elec
862B	Industrial chemical stge, hazardous	672B	Iron ore mining, quarrying
861B	Industrial chemical stge, non-hazardous	677B	Iron pyrites, mining, quarrying
633B	Industrial communications center	761B	Iron pyrites processing
761B	Industrial gas mfg	771B	Iron, smelting, refining, etc
862B	Industrial hazardous chemical stge	773B	Iron, stamping, cold pressing, etc
591B	Industrial loan institution	871B	Iron storage, basic forms
774B	Industrial tractor mfg	672B	Ironstone mining, quarrying
968B	Industrial trailer	773B	Ironwork mfg
231B	Industrial training school	933B	Irrigation project, constr, repair
984B	Industrial truck	934B	Irrigation project, demolition
774B	Industrial valve mfg		
742B	Infant wear mfg		
334B	Infirmiry, clinic type		
331B	Infirmiry, hospital type		

774B	Jack mfg	622B	Laboratory, hydraulics
742B	Jacket mfg	791B	Laboratory instrument mfg
342B	Jail, women	621B	Laboratory, medical
713B	Jam mfg	622B	Laboratory, metallurgical
765B	Japan drier mfg	623B	Laboratory, personnel testing
682B	Jar, glass mfg	622B	Laboratory, physics
684B	Jars, earthenware mfg	623B	Laboratory, psychological testing
713B	Jelly mfg	624B	Laboratory, radioactive material
794B	Jewelry fabricating	627B	Laboratory, research, general
794B	Jewelry mfg	732B	Lace, cotton, drawing, ending, etc
544B	Jewelry shop	732B	Lace mfg, cotton
798B	Jigsaw puzzle mfg	734B	Lace mfg, mixed, other fibers
758B	Job printing	733B	Lace mfg, wool or worsted
753B	Joiners, off building site	765B	Lacquer mfg
751B	Joiners, on building site	753B	Ladder mfg, wood
241B	Junior college classroom building	745B	Lambskin, shearing
214B	Junior high school	773B	Laminated spring mfg
877B	Junk yard	776B	Lamp assembling, elec
743B	Jute bag mfg	682B	Lamp bulb mfg
737B	Jute cord plant	776B	Lamp holder mfg
737B	Jute, rope, cord, etc	776B	Lamp mfg, metal, elec
734B	Jute, spinning, sorting, weaving	773B	Lamp mfg, metal, nonelec
824B	Jute storage, bales, bags	743B	Lamp shade mfg, cloth
343B	Juvenile detention home	756B	Lamp shade mfg, paper
752B	Keg mfg, wooden	933B	Land drainage project
773B	Keg, mfg, metal	933B	Land reclamation project
556B	Kennel	711B	Lard mfg
767B	Kerosene mfg	711B	Lard oil, refining, etc
776B	Kettle mfg, w/heating element	711B	Lard refining
773B	Kettle mfg, w/o heating element	773B	Latch mfg
746B	Key case mfg	564B	Laundromat
162B	Key club	796B	Laundry, commercial
773B	Key mfg	743B	Laundry bag mfg
533B	Key-lock shop	566B	Laundry pick-up shop
681B	Kiln lining mfg	564B	Laundry, self-service
774B	Kiln mfg	675B	Lava, mining, quarrying
742B	Kilt mfg	911B	Lawn
212B	Kindergarten	774B	Lawn mower mfg
532B	Kitchen cabinet store	554B	Lawn mower rental
979B	Kite	591B	Lawyers office
773B	Knife mfg	773B	Lead hollow ware
736B	Knit wear mfg	673B	Lead mine, quarry
736B	Knitted fabric mfg	799B	Lead pencil mfg
736B	Knitting, full process mill	772B	Lead refining, smelting, etc
774B	Knitting machine mfg, textile	773B	Lead, stamping, cold pressing, etc
736B	Knitting, part process mill	776B	Lead wire drawing
764B	Kodel fiber mfg	682B	Leaded glass mfg
626B	Laboratory, agricultural	774B	Leaf sweeper mfg
621B	Laboratory, biological	742B	Leather clothing mfg
621B	Laboratory, chemical		
625B	Laboratory, electric, electronic		

546B	Leather goods sales	545B	Linen store
741B	Leather heel mfg	565B	Linen supply house
741B	Leather legging mfg	742B	Lingerie mfg
744B	Leather machinery belt mfg	738B	Linoleum flooring mfg
738B	Leather mfg, artificial	738B	Linoleum mfg
741B	Leather product mfg, footwear	536B	Linoleum store
742B	Leather product mfg, wearing apparel	726B	Linseed oil plant
827B	Leather product storage	763B	Liquid resin mfg, synthetic
746B	Leather products mfg, general	721B	Liquor, blending
741B	Leather sole mfg	723B	Liquor, malt mfg
827B	Leather storage	846B	Liquor storage
744B	Leather, tanning, dressing, etc	514B	Liquor store
738B	Leatherette mfg	677B	Lithium minerals, mining
911B	Leaves	779B	Lithium minerals processing
791B	Leg mfg, artificial	757B	Lithographing
742B	Legal robe mfg	742B	Livery mfg
741B	Legging mfg	815B	Livestock storage, in barn
156B	Legislative hall	817B	Livestock storage, not in barn
181B	Legitimate theater	591B	Loan company office
792B	Lens, grinding, polishing	948B	Lobster, fishing vessel
715B	Lentil, grinding, splitting	714B	Lobster, packing, canning, etc
915B	Letter drop	773B	Lock mfg, mechanical
758B	Letter press	793B	Lock mfg, time
754B	Lettering mfg, sign	754B	Locker mfg, any material
151B	Library	834B	Locker plant
758B	Library binder mfg	953B	Locomotive
717B	Licorice mfg	783B	Locomotive mfg
753B	Life belt mfg, cork	887B	Locomotive storage
984B	Lift truck	412B	Lodge, 1 family, in season
775B	Lift truck mfg, elec	415B	Lodge, 2 family, in season
774B	Lift truck mfg, nonelec	413B	Lodge, 1 family, off season
781B	Lighter, building, repairing, etc	416B	Lodge, 2 family, off season
979B	Lighter than air machine	141B	Lodge, hall
949B	Lighthouse	442B	Lodge, seasonal, in season
773B	Lighting fixture mfg	443B	Lodge, seasonal, off season
791B	Limb mfg, artificial	432B	Lodging house, 9-15 roomers, yr rd
688B	Lime plant	431B	Lodging house, 4-8 roomers, yr rd
688B	Lime product mfg	441B	Lodging house, over 15 roomers, yr rd
892B	Lime stge	662B	Log storage
675B	Limestone quarrying, mining	662B	Logging
688B	Limestone, working, cutting, etc	662B	Logs, transportation, moving
173B	Limousine terminal	758B	Looseleaf binder mfg
735B	Linen, finishing	911B	Lot, vacant
734B	Linen mill	571B	LP-gas bottle filling station, public
796B	Linen service plant	843B	LP-gas bulk plant
965B	Linen service truck	963B	LP-gas transport truck
734B	Linen, spinning, carding, etc	767B	Lubricating oil mfg
824B	Linen storage, bales, bags	746B	Luggage mfg
		546B	Luggage store
		751B	Lumber mfg
		555B	Lumber sales, retail

851B	Lumber storage	781B	Marine boiler mfg
851B	Lumberyard	726B	Marine oil, refining
164B	Lunch counter	177B	Marine passenger terminal
164B	Lunchroom	933B	Marine pile driving
713B	Macaroni canning	577B	Marine refueling facility
716B	Macaroni plant	781B	Marine repair, over 65 ft loa
773B	Machine gun mfg	782B	Marine repair, under 65 ft loa
774B	Machine shop	576B	Marine salesrooms
774B	Machine tool mfg, metal	577B	Marine service station
744B	Machinery belt mfg, leather	655B	Market garden
732B	Machinery belting mfg, cotton	511B	Market, over 10,000 sq ft
733B	Machinery belting mfg, wool	512B	Market, under 10,000 sq ft
775B	Machinery mfg, elec	713B	Marmalade mfg
774B	Machinery mfg, excl elec	717B	Marshmallow mfg
774B	Machinery parts mfg	685B	Masonry cement mfg
776B	Machinery repair, elec	561B	Masons supply sales
574B	Machinery sales, motor driven	781B	Mast mfg, over 65 ft loa
874B	Machinery storage, not vehicle	782B	Mast mfg, under 65 ft loa
884B	Machinery storage, vehicle	753B	Mat mfg, cork
562B	Machinist supply sales	732B	Mat mfg, cotton
774B	Machinist tool mfg	734B	Mat mfg, mixed, other fibers
757B	Magazine publishing	758B	Mat mfg, printing
798B	Magic apparatus mfg	747B	Mat mfg, rubber or synthetic
773B	Magnesium, hollow ware	733B	Mat mfg, wool or worsted
772B	Magnesium refining, smelting, etc	762B	Match plant
773B	Magnesium, stamping, etc	774B	Materials handling equip mfg, non-elec
772B	Magnesium, wire drawing	775B	Materials handling equip mfg, elec
584B	Mail order store	984B	Materials handling equip
891B	Mail order warehouse	334B	Maternity clinic
965B	Mail truck	331B	Maternity hospital
915B	Mailbox	754B	Mattress mfg except rubber
595B	Mailing firm	747B	Mattress mfg, rubber
595B	Mailing list sales firm	853B	Mattress storage
708B	Maintenance shop, general	715B	Meal milling, preparation
766B	Malt extracts mfg	776B	Measuring apparatus mfg, elec
723B	Malt house	711B	Meat, curing, dressing, etc
771B	Manhole cover mfg, cast iron	513B	Meat shop
773B	Manicure set mfg	774B	Mechanical equip mfg, nonelec
643B	Manufactured gas, fuel	775B	Mechanical equip mfg, elec
709B	Manure mfg, compounding	794B	Medal mfg
758B	Map mounting	791B	Medical equipment mfg
758B	Map, publishing, printing	682B	Medical glassware mfg
661B	Maple sugaring, in forest	621B	Medical laboratory
717B	Maple sugaring, outside forest	791B	Medical machine mfg
675B	Marble quarrying, mining	593B	Medical office
688B	Marble, working	561B	Medical supply sales
726B	Margarine mfg	766B	Medicated wine mfg
835B	Margarine stge	767B	Medicinal paraffin mfg
885B	Marina	766B	Medicine mfg
576B	Marine accessory sales		

133B	Meeting hall, church	677B	Mineral pigments, mining
154B	Memorial structure	892B	Mineral prod stge bagged
344B	Men's detention camp	893B	Mineral product storage, packaged
335B	Mental institution	724B	Mineral water, carbonating
891B	Mercantile stock stge, nonfood	688B	Mineral wool mfg
773B	Metal, base, cold pressing	688B	Minerals, grinding, etc
773B	Metal box mfg	678B	Minerals, nonmetallic, mining
771B	Metal casting, iron, steel	677B	Mining, chemicals
772B	Metal casting, other metal	671B	Mining, coal
773B	Metal fabricating	677B	Mining, fertilizer mineral
773B	Metal furniture mfg	672B	Mining, iron ore
893B	Metal ore storage	774B	Mining mchry mfg
872B	Metal parts storage	751B	Mining timber mfg
773B	Metal product, polishing, plating, etc	794B	Mint, money
876B	Metal products storage, finished	753B	Mirror frame mfg
771B	Metal refining, iron, steel	682B	Mirror mfg
772B	Metal refining, other metal	988B	Missile, air or space borne
773B	Metal stamping mfg	844B	Missile fuel stge
871B	Metal storage, basic forms	631B	Missile launch site
774B	Metallurgical furnace mfg	786B	Missile mfg, assembly, repair, no fuel
622B	Metallurgical laboratory	742B	Mitten mfg
678B	Mica, quarrying, mining	734B	Mixed fiber, full process mill
792B	Microscope mfg	776B	Mixer mfg, domestic
548B	Microscope sales	632B	Mobile communication truck
632B	Microwave site	983B	Mobile crane
466B	Migrant workers barracks	784B	Mobile home mfg, assembly
464B	Military barracks	471B	Mobile home, permanent family unit
977B	Military cargo aircraft	574B	Mobile home sales
862B	Military explosives storage	751B	Mobile planning mill
221B	Military school classroom building	965B	Mobile post office
896B	Military stor, not elsewhere classified	751B	Mobile saw mill
977B	Military training aircraft	751B	Mobile saw or planing mill
977B	Military utility aircraft	717B	Molasses mfg
712B	Milk, bottling	948B	Mollusk, catching, taking
712B	Milk, condensed, evaporated, mfg	465B	Monastery
652B	Milk cooling shed	794B	Money mfg
712B	Milk, edible products, dried	792B	Monocle mfg
652B	Milk house	986B	Monorail
774B	Milk machine mfg	154B	Monument
713B	Milk, powdered, mfg	688B	Monument works
712B	Milk processing	799B	Mop mfg
652B	Milk production	773B	Mortar mfg, arms
832B	Milk storage	591B	Mortgage company
526B	Mill outlet store	134B	Mortuary
742B	Millinery mfg	131B	Mosque
522B	Millinery store	441B	Motel, interior entrance to rooms, yr rd
713B	Mincemeat mfg	451B	Motel, under 4 stories, 1-2
783B	Mine rail car mfg	452B	Motel, under 4 stories, 3-20 units
767B	Mineral oil, refining		
761B	Mineral pigments manufacturing		

453B	Motel, under 4 stories, over 20 units	765B	Natural resin, grinding
868B	Motion picture exchange	591B	Navy office
797B	Motion picture film processing	726B	Neatsfoot oil, refining
868B	Motion picture film storage	742B	Necktie mfg
186B	Motion picture studio	774B	Needle bearing mfg
183B	Motion picture theater	794B	Needle mfg, record
966B	Motor bike	773B	Needle mfg, sewing
474B	Motor home, self-powered	739B	Needleloom carpet mfg
784B	Motor mfg, cycles	739B	Needleloom felt mfg
775B	Motor mfg, elec	776B	Neon lamp mfg
774B	Motor mfg, nonelectric	682B	Neon light mfg, fabricating
784B	Motor vehicle mfg, assembly	776B	Neon sign mfg
573B	Motor vehicle repairs	737B	Net mfg, excl hair
574B	Motor vehicle sales	799B	Net mfg, hair
575B	Motor vehicle supply store	591B	News gathering agency office
949B	Motorboat, outboard	591B	News reporting agency office
576B	Motorboat sales	757B	Newspaper publishing
941B	Motorboat, under 65 ft loa	755B	Newsprint mfg
942B	Motorboat, under 1,000 gt, over 65 ft	542B	Newsstand
966B	Motorcycle	742B	Night clothes mfg
784B	Motorcycle mfg	162B	Night club
784B	Motorcycle parts mfg	742B	Night dress mfg
763B	Moulded compound mfg, plastic	631B	Nike site
764B	Moulded plastic products	689B	Nitrate minerals processing
756B	Moulded pulp goods mfg	677B	Nitrate minerals, quarrying
186B	Movie studio	762B	Nitrocellulose mfg, reclaiming
183B	Movie theater	761B	Nitrous oxide gas mfg
573B	Muffler repair shop, motor vehicle	772B	Non-ferrous metals, refining, etc
733B	Mungo shoddy mfg	716B	Noodle mfg
591B	Municipal building	753B	Novelty mfg, hardwood
643B	Municipal gas mfg	551B	Novelty store
762B	Munitions mfg	611B	Nuclear fuel element plant
152B	Museum	614B	Nuclear ordnance bomb
758B	Music, publishing, printing	774B	Nuclear reactor mchry mfg
233B	Music school	613B	Nuclear reactor power
534B	Music store	624B	Nuclear reactor, research
534B	Musical instrument sales	465B	Nunnery
795B	Musical instrument mfg	465B	Nuns living quarters
719B	Mustard mfg	321B	Nursery school, over 4 hours
773B	Nail mfg, cut	211B	Nursery school, 4 hours or less
773B	Nail mfg, wire	655B	Nursery, tree, bush
767B	Naphtha oil refining	463B	Nurses living quarters
743B	Napkin mfg	311B	Nursing home, w/nursing
732B	Narrow fabric mfg, cotton	312B	Nursing home, w/o nursing
733B	Narrow fabric mfg, wool	726B	Nut cake mfg
734B	Narrow fabric mfg, mixed fibers	655B	Nut growing
678B	Natural abrasive, mining	726B	Nut meat mfg
685B	Natural cement mfg	773B	Nut mfg, metal
674B	Natural gas well	657B	Nut packing, as picked
767B	Natural gasoline plant	717B	Nut, salted mfg
		513B	Nut shop
		811B	Nut storage, bulk
		717B	Nut, sugar covered mfg
		763B	Nylon fiber, mfg

739B	Oakum, picking, willowing	713B	Orange juice, concentrated mfg
782B	Oar mfg		
715B	Oat, milling, flaking, etc.	655B	Orchard
948B	Ocean products, gathering	773B	Ordinance mfg, exc vehicles
593B	Oculists office	771B	Ore preparation plant, iron
591B	Office, administrative	772B	Ore smelting
592B	Office, bank	795B	Organ mfg
591B	Office, business	534B	Organ sales
754B	Office fixture, fittings mfg	761B	Organic chemical mfg, all
754B	Office furniture mfg	764B	Orlon fiber mfg
531B	Office furniture store	794B	Ornament mfg
591B	Office, general business	545B	Ornamental goods store
591B	Office, government	773B	Ornamental ironwork mfg
593B	Office, health	322B	Orphanage
531B	Office machine sales	752B	Osier container mfg
775B	Office mchry mfg, elec, manual	593B	Osteopaths office
593B	Office, medical	782B	Outboard motor mfg, repair
593B	Office, research	576B	Outboard motor sales
593B	Office, scientific	774B	Oven mfg, industrial
531B	Office supply sales	742B	Overalls mfg
767B	Oil mfg, lubricating	742B	Overcoat mfg
726B	Oil of clove mfg	761B	Oxygen gas mfg
645B	Oil pipeline	861B	Oxygen stge, liquid or gas
674B	Oil reservoir	665B	Oyster bed operation
726B	Oil salad, table mfg	714B	Oyster, packing, canning
674B	Oil shale mining, retorting	655B	Oyster, wild, cultivated
916B	Oil slick	514B	Package store
845B	Oil storage in containers	768B	Packaged fuel mfg
841B	Oil storage in tanks	893B	Packaged mineral prods stge
953B	Oil tank car heating plant	845B	Packaged petroleum prods stge
674B	Oil well	838B	Packaged tobacco prod stge
738B	Oilcloth mfg	774B	Packaging machine mfg
742B	Oilskin mfg	752B	Packing case mfg, wood
766B	Ointment mfg	657B	Packing crops as picked
311B	Old persons home, w/nursing	756B	Pad mfg, writing
312B	Old persons home, w/o nursing	739B	Padding mfg, all fibers
726B	Oleo oil, refining	765B	Paint mfg
726B	Oleo-stearine mfg	573B	Paint shop
726B	Olive oil, refining, hydro-generation	865B	Paint storage
181B	Opera house	535B	Paint store
791B	Operating table mfg	799B	Painters brush mfg
792B	Ophthalmic goods mfg	773B	Painters pot mfg, metal
792B	Ophthalmoscope mfg	535B	Painters supply store
792B	Optical glass, grinding, polishing	742B	Pajamas mfg
682B	Optical glass mfg	726B	Palm oil, refining
548B	Optical goods sales	774B	Paper bag machine mfg
792B	Optical instrument mfg	756B	Paper bag mfg, incl printing
792B	Optical plant	855B	Paper bag stge
548B	Opticians office	756B	Paper box mfg, incl printing
548B	Optometrists office	758B	Paper, bronzing, gilding, edging
164B	Orange bar	756B	Paper carton mfg, incl printing
655B	Orange growing	755B	Paper, coating, glazing, laminating

756B	Paper container mfg, incl printing	713B	Peanut processing
755B	Paper corrugating, laminating	811B	Peanut storage, bulk
756B	Paper cutout, pattern mfg	948B	Pearl, gathering
541B	Paper goods sales	794B	Pearl jewelry mfg
756B	Paper label mfg	794B	Pearl products mfg
756B	Paper lamp-shade mfg	678B	Peat, cutting digging
774B	Paper making mchry mfg	818B	Peat storage
687B	Paper mfg, abrasive	761B	Peatmoss processing
768B	Paper mfg, asphalt coated	785B	Pedal mfg
799B	Paper mfg, carbon	967B	Pedicab
799B	Paper mfg, duplicating	745B	Pelt, sorting, dressing, etc
792B	Paper mfg, sensitized	799B	Pen mfg
755B	Paper mill	773B	Pen nib mfg, base metal
756B	Paper mounts mfg	794B	Pen nib mfg, precious metal
756B	Paper plate mfg	541B	Pen shop
855B	Paper prods stge	341B	Penal institution, men
756B	Paper products fabricating	799B	Pencil lead mfg
755B	Paper reclaiming	799B	Pencil mfg
758B	Paper ruling	799B	Penholder mfg
756B	Paper spoon or utensil mfg	341B	Penitentiary cell, men
855B	Paper stge not rolled	341B	Penitentiary, men
855B	Paper storage, baled	342B	Penitentiary, women
854B	Paper stge, rolled	113B	Penny arcade
755B	Paperboard, coating	311B	Pensioners home, w/nursing
755B	Paperboard mfg	312B	Pensioners home, w/o nursing
756B	Papier-mache goods mfg	787B	Perambulator mfg
767B	Paraffin wax mfg	762B	Percussion cap mfg
742B	Parasol mfg	795B	Percussion instrument mfg
933B	Parking area, constr, repair	766B	Perfume mfg
934B	Parking area, demolition	726B	Perfume oil mfg
882B	Parking garage, general	545B	Perfume sale
881B	Parking garage, residential	757B	Periodical publishing
882B	Parking lot	792B	Periscope mfg
933B	Parking lot, constr, repair	722B	Perry wine mfg
934B	Parking lot, demolition	623B	Personnel testing laboratory
134B	Parlor, funeral	769B	Pest control chemical mfg
625B	Particle accelerator	556B	Pet care center
943B	Passenger ship	556B	Pet shop, supplies
171B	Passenger terminal, airport	947B	Petroleum balloon
173B	Passenger terminal, bus	841B	Petroleum bulk plant
174B	Passenger terminal, street level	841B	Petroleum distributing station
177B	Passenger terminal, marine	767B	Petroleum jelly mfg
176B	Passenger terminal, elevated	845B	Petroleum, packaged product
175B	Passenger terminal, subway	845B	Petroleum prods packaged
765B	Paste mfg	767B	Petroleum refinery
799B	Pastel mfg	841B	Petroleum tank farm
717B	Pastilles mfg	841B	Petroleum terminal
716B	Pastry mfg	674B	Petroleum well
744B	Patent leather plant	898B	Petroleum wharf
621B	Pathological laboratory	773B	Pewter, hollow ware mfg
976B	Patrol aircraft	772B	Pewter, refining, smelting, etc
545B	Pawn shop	773B	Pewter, stamping, etc
715B	Pea, grinding, splitting	766B	Pharmaceutical mfg
713B	Peanut butter processing	866B	Pharmaceutical storage
726B	Peanut oil, refining	582B	Pharmacy, no pharmacist
		543B	Pharmacy, pharmacist on duty

776B	Phonograph assembling, elec	751B	Planing mill
795B	Phonograph record blank mfg	688B	Plaster mfg
785B	Phonographic recording studio	688B	Plaster product mfg
689B	Phosphate minerals processing	892B	Plaster storage
677B	Phosphate-minerals, mining, quarrying	763B	Plastic beads mfg
797B	Photo finishing	782B	Plastic boat fabrication
595B	Photocopy firm	764B	Plastic casting
757B	Photoengraving, newspaper and magazine	763B	Plastic dispersions mfg
758B	Photoengraving, commercial	763B	Plastic emulsions mfg
792B	Photographic equipment mfg	764B	Plastic enclosure mfg
792B	Photographic film fabrication	764B	Plastic film mfg
792B	Photographic lens mfg	763B	Plastic, foamed, making
553B	Photographic store	764B	Plastic foamed products fabr
553B	Photographic studio	741B	Plastic footwear mfg
792B	Photographic supplies mfg	799B	Plastic lamp shade mfg
593B	Physicians office	763B	Plastic mfg
622B	Physics laboratory	742B	Plastic outerware mfg
593B	Physiotherapists office	764B	Plastic part mfg
795B	Piano mfg	763B	Plastic powder mfg
534B	Piano store	863B	Plastic product storage
566B	Pick-up shop, laundry, dry cleaning	764B	Plastic products fabr
713B	Pickles processing	764B	Plastic rods mfg
753B	Picture frame mfg	764B	Plastic sheet fabr
711B	Pie mfg, meat	763B	Plastic solution mfg
716B	Pie mfg, nonmeat	764B	Plastic toy mfg
526B	Piece goods sales	863B	Plastics, storage
898B	Pier	684B	Plate mfg, dinner
933B	Pier, constr, repair	753B	Plate mfg, hardwood
934B	Pier, demolition	756B	Plate mfg, paper
898B	Pier, petroleum	792B	Plate mfg, sensitized
771B	Pig iron mfg	682B	Plate, window glass plant
653B	Pig raising	744B	Platework mfg, industrial
761B	Pigment mfg	794B	Platinum, assaying, smelting, inc
774B	Pile driver mfg	795B	Player piano mfg
933B	Pile driving	491B	Playhouse, childrens
766B	Pill mfg	181B	Playhouse, theater
771B	Pillar box mfg, cast iron	758B	Playing card mfg
754B	Pillow mfg, non rubber	774B	Plow mfg, incl self-propelled
747B	Pillow mfg, rubber	776B	Plug mfg, elec
754B	Pillow renovating plant	773B	Plumbers supply mfg
743B	Pillowslip mfg	873B	Plumbers supply storage
771B	Pipe mfg, cast iron, steel, iron	562B	Plumbers tool sales
681B	Pipe mfg, concrete	773B	Plumbing supply mfg
764B	Pipe mfg, plastic	533B	Plumbing supply store, retail
799B	Pipe mfg, smoking	873B	Plumbing supply, wholesale
872B	Pipe storage, metal	799B	Plume mfg
933B	Pipeline, constr, repair	751B	Plywood mfg
934B	Pipeline, demolition	774B	Pneumatic control equip mfg
645B	Pipeline, flam, liq	774B	Pneumatic mchry mfg
644B	Pipeline, gas	746B	Pocketbook mfg
646B	Pipeline, steam	773B	Pocketknife mfg
647B	Pipeline, water	662B	Pole, hewing, rough cutting
773B	Pistol mfg	913B	Pole, non-utility
		642B	Pole, power
		642B	Pole, utility

633B	Police communications center	765B	Printing ink mfg
345B	Police station	774B	Printing machine mfg
765B	Polish mfg	774B	Printing machine mfg, textile
743B	Polishing cloth mfg	757B	Printing, newspaper, magazine, etc
764B	Polyester fiber mfg	735B	Printing plant, textile
786B	Pontoon mfg, assembly, repair	747B	Printing roller mfg
112B	Poolroom, hall, center	865B	Printing supply storage, misc
684B	Porcelain product mfg	855B	Printing supply storage, flat paper
123B	Portable grandstands	854B	Printing supply storage, rolled paper
723B	Porter mfg, malt	341B	Prison cell or cell block, men
685B	Portland cement mfg	342B	Prison cell or cell block, women
913B	Post	331B	Prison hospital
596B	Post office	341B	Prison, men
758B	Postage stamp printing	344B	Prison, minimum security type
773B	Pot mfg, metal	221B	Private boarding school classroom bldg
677B	Potash, mining, quarrying	881B	Private garage
718B	Potato chip plant	411B	Privy
718B	Potato crisp mfg	513B	Produce sale, retail
718B	Potato, flaked, mfg	812B	Produce storage, crated, boxed
684B	Pottery plant	813B	Produce storage, loose, bagged
545B	Pottery shop	791B	Professional instrument mfg
893B	Pottery stge	593B	Professional office, medical
711B	Poultry, curing, dressing, etc	561B	Professional supply sales
651B	Poultry farm	968B	Professional trailer
715B	Poultry feed, stock dry	792B	Projector mfg
719B	Poultry food, grit preparing	786B	Propeller mfg, aircraft
651B	Poultry house	781B	Propeller shaft mfg, over 65 ft loa
751B	Poultry house mfg, wood	782B	Propeller shaft mfg, under 65 ft loa
651B	Poultry raising	773B	Pruning knife mfg
513B	Poultry store	593B	Psychologist office
556B	Pound, animal	163B	Pub
726B	Powdered soap plant	754B	Public building furniture mfg
641B	Power house, electrical	882B	Public garage, parking
646B	Power house, steam	182B	Public hall
642B	Power line, overhead	852B	Public household furniture stge
642B	Power line, underground	884B	Public works vehicle stge
143B	Power squadron club	758B	Publishing, book
794B	Precious metal, assaying, smelting, etc	757B	Publishing, newspaper, periodical, etc
794B	Precious stone, cutting, etc	771B	Puddling furnace
774B	Precision chain mfg	774B	Pulp making mchry, mfg
774B	Prefabricated bldgs mfg, metal	755B	Pulp mill
751B	Prefabricated structure mfg	853B	Pulp stge
221B	Preparatory school, classroom bldg, boarding	662B	Pulpwood piles
713B	Preserve mfg	662B	Pulpwood storage
774B	Press machine mfg, hydr, mech	774B	Pump mfg
774B	Press mfg, printing		
773B	Pressed metal pieces mfg, hot		
756B	Pressed pulp goods mfg		
751B	Pressure impregnation plant		
213B	Primary school		
774B	Prime mover mfg, nonelec		
758B	Printing, commercial		

664B	Pumping station, gas	894B	Railroad freight terminal
645B	Pumping station, oil	953B	Railroad locomotive
647B	Pumping station, sewage	955B	Railroad maintenance equip
647B	Pumping station, water	783B	Railroad repair shop
787B	Push chair mfg	783B	Railroad rolling stock, assembling
799B	Puzzle mfg	951B	Railroad rolling stock, passenger
677B	Pyrites, mining, quarrying	952B	Railroad rolling stock, freight
761B	Pyrites processing	783B	Railroad shop
772B	Pyrophoric metal working	956B	Railroad signal equip
762B	Pyroxilin fabricating	783B	Railroad signal mfg
762B	Pyroxilin mfg	952B	Railroad tank car
762B	Pyroxilin reclaiming	955B	Railroad wreck clearing equip
677B	Quarry, chemicals, minerals	957B	Railroad yard
774B	Quarry crushing machine mfg	951B	Railway car, passenger
676B	Quarry, salt	783B	Railway coach mfg
675B	Quarry, sand, gravel, stone	641B	Railway, electric power plant
774B	Quarrying machine mfg	887B	Railway equip storage
678B	Quartz, mining, quarrying	952B	Railway express car
743B	Quilt mfg	933B	Railway roadbed, constr, repair
654B	Rabbit raising	934B	Railway roadbed, demolition
123B	Race track grandstand	176B	Railway station, elevated
815B	Race track stable	954B	Railway street car
776B	Radar mfg	954B	Railway, subway
632B	Radar site	954B	Railway subway car
791B	Radiation measurement device mfg	771B	Railway switch mfg
771B	Radiator mfg, cast iron sections	771B	Railway truck mfg
776B	Radiator mfg, domestic, elec	742B	Raincoat mfg
784B	Radiator mfg, motor vehicle	713B	Raisin mfg
776B	Radio assembling, elec	773B	Rake mfg
632B	Radio beacon	739B	Ramie, spinning, weaving
754B	Radio cabinet mfg, wood	752B	Rattan product mfg
632B	Radio communications site	827B	Raw leather storage
776B	Radio mfg	867B	Raw rubber products storage
538B	Radio repairs, w/o sales	717B	Raw sugar refining
532B	Radio sales	764B	Rayon fiber mfg
185B	Radio studio	773B	Razor blade mfg
632B	Radio, transmitting site	776B	Razor mfg, elec
776B	Radio tube mfg	773B	Razor mfg, nonelec
776B	Radio, TV tubes, glass en- velope mfg	742B	Ready-made clothing mfg
611B	Radioactive material, disposal	686B	Ready-mix concrete plant
611B	Radioactive material mfg	774B	Reaper mfg, incl self- propelled
611B	Radioactive material, storage	747B	Rebuilding tires
611B	Radioactive materials stge	747B	Recapping tires
624B	Radioactive material lab	977B	Reconnaissance aircraft
612B	Radioactive tracers processing	776B	Record mfg, sound, music
739B	Rag reclaiming	532B	Record player sales
739B	Rag reworking mill	636B	Record repository, documents
739B	Rag shop	534B	Record shop
829B	Rag storage	113B	Recreation center, facility, place
174B	Rail passenger terminal, street level	233B	Recreational school
933B	Railroad, constr, repair	591B	Recruiting office
934B	Railroad, demolition		

774B	Reed mfg, for textile machine	732B	Ribbon mfg, cotton
752B	Reed product mfg	734B	Ribbon mfg, mixed, other fiber
726B	Refinery, animal oil	733B	Ribbon mfg, wool or worsted
767B	Refinery, petroleum	655B	Rice growing
767B	Refinery tankage	715B	Rice mill
769B	Refinery, turpentine	811B	Rice storage, bulk
726B	Refinery, vegetable oil	142B	Riding club
343B	Reform school	815B	Riding stable
341B	Reformatory, men	142B	Rifle club
342B	Reformatory, women	773B	Rifle mfg
675B	Refractory clay, extraction from earth	781B	Rigging mfg, marine, over 65 ft loa
681B	Refractory tile, brick mfg	782B	Rigging mfg, marine, under 65 ft loa
774B	Refrigerating mchry mfg	773B	Rivet mfg, metal
776B	Refrigerator mfg, unit type	774B	Road maintenance machine mfg
532B	Refrigerator sales	774B	Road making machine mfg
912B	Refuse disposal area	884B	Road mchry storage
784B	Registration plate mfg, motor veh	774B	Road roller machine mfg
591B	Regulatory office	513B	Roadside stand, counter, produce
234B	Rehabilitation center, free attendance	164B	Roadside stand, counter, eating
336B	Rehabilitation center, forced attendance	742B	Robe mfg
758B	Relief stamping, paper	786B	Rocket airframe mfg
545B	Religious goods store	762B	Rocket fuel mfg
591B	Religious organization office	844B	Rocket fuel stge
713B	Relish mfg	631B	Rocket launch site
931B	Remodeling, major, bldg vacated	762B	Rocket mfg, signal
933B	Remodeling, major, other than bldg	988B	Rocket military
711B	Rendering fat, edible	688B	Rockwool mfg
931B	Renovation, major, bldg vacated	764B	Rod mfg, plastic
933B	Renovation, major, other than bldg	774B	Rod mfg, welding
573B	Repair garage	854B	Rolled paper stge
574B	Repair garage with motor vehicle sales	774B	Roller bearing mfg
573B	Repair shop, auto	774B	Roller mfg, for textile machine
632B	Repeater site, radio, micro-wave	123B	Roller rink, in arena
627B	Research laboratory	115B	Roller skating rink
593B	Research organization office	774B	Rolling mill mchry, mfg
881B	Residential parking garage	685B	Roman cement mfg
221B	Residential school building	751B	Roofing materials mfg, wood
763B	Resin mfg, synthetic	688B	Roofing materials mfg, stone
661B	Resin, natural, gathering	768B	Roofing materials mfg, asphalt
311B	Rest home, w/nursing staff	851B	Roofing storage
312B	Rest home, w/o nursing staff	555B	Roofing supply sales
161B	Restaurant	681B	Roofing tile, clay mfg
754B	Restaurant furniture mfg	776B	Room heater mfg, unit type
568B	Restaurant supplies and services	431B	Rooming house, 4-8 roomers
747B	Retreading tires	432B	Rooming house, 9-15 roomers
773B	Revolver mfg	441B	Rooming house, over 15 roomers, yr rd
		715B	Root peeling mill

737B	Rope mfg	719B	Salt packing, not at mine
853B	Rope stge	719B	Salt processing, not at mine
769B	Rosin mfg	719B	Salt refining, edible
783B	Roundhouse	877B	Salvage yard
742B	Rubber clothing mfg	758B	Sample mounting, printing
747B	Rubber, dipping, mixing, etc	332B	Sanatorium
747B	Rubber footwear mfg, vul- canized	675B	Sand, extraction from earth
522B	Rubber goods store	688B	Sand, washing, screening, etc
655B	Rubber growing	776B	Sander mfg, elec
747B	Rubber hose mfg	687B	Sandpaper mfg
661B	Rubber plantation	675B	Sandstone mining, quarrying
747B	Rubber mat mfg	688B	Sandstone, working
747B	Rubber mfg, foamed	684B	Sanitary earthenware mfg
747B	Rubber products mfg	933B	Sanitation project, constr, repair
867B	Rubber products storage	934B	Sanitation project, demolition
742B	Rubber rainwear mfg	661B	Sap, gathering, extracting, etc
747B	Rubber reclaiming	794B	Sapphire, cutting, mounting
747B	Rubber scrap processing	948B	Sardine, catching
747B	Rubber shoe mfg, vulcanized	751B	Sash mfg, wood
799B	Rubber stamp mfg	791B	Satellite mfg, assembly
541B	Rubber stamp store	632B	Satellite tracking station
867B	Rubber storage	733B	Satinet cloth mill
747B	Rubber toy mfg	713B	Sauce processing
747B	Rubber waste processing	773B	Saucepan mfg
661B	Rubber, wild, gathering	711B	Sausage casing mfg
914B	Rubbish	592B	Savings bank
648B	Rubbish burner, industrial	592B	Savings, loan institution
794B	Ruby, cutting, mounting	773B	Saw mfg
796B	Rug, cleaning, dyeing	776B	Saw mfg, electric
732B	Rug mfg, cotton	751B	Saw, planing mill
734B	Rug mfg, mixed fibers	751B	Sawdust mfg
733B	Rug mfg, wool	751B	Sawdust pile
826B	Rug storage	751B	Sawmill, in or out of forest
536B	Rug store	774B	Scale mfg
774B	Ruling machine mfg, printing	742B	Scarf mfg
721B	Rum mfg	232B	School, business, commercial
716B	Rusk mfg	343B	School, correctional
753B	Rustic furniture mfg	233B	School, dancing
715B	Rye, milling, flaking, rolling	233B	School, deaf, dumb or blind
743B	Sack mfg	461B	School dormitory
785B	Saddle mfg, cycle	213B	School, elementary
746B	Saddlery mfg	215B	School, high
591B	Safe deposit firm	214B	School, intermediate
773B	Safe mfg	214B	School, junior high
682B	Safety glass mfg	221B	School, private boarding, classroom
715B	Sago, grinding, splitting	343B	School, reform
743B	Sail mfg	132B	School, religious education only
949B	Sailboat	233B	School, specialty
941B	Sailing vessel, under 65 ft loa	132B	School, Sunday
713B	Salad dressing mfg	231B	School, trade, industrial
726B	Salad oil mfg	231B	School, vocational
163B	Saloon	942B	Schooner, under 1,000 gt, over 65 ft
676B	Salt crushing, screening, etc		
761B	Salt mfg, chemical		
676B	Salt mining		

791B	Scientific equipment mfg	751B	Shake splitting, wood
688B	Scientific glassware mfg	767B	Shale oil refining
791B	Scientific instrument mfg	766B	Shampoo mfg
593B	Scientific organization office	776B	Shaver mfg, dry, elec
773B	Scissor mfg	726B	Shaving cream mfg
784B	Scooter mfg, motorized	726B	Shaving soap mfg
966B	Scooter, motorized	773B	Shears mfg
771B	Scrap iron, processing	936B	Shed, contractors
877B	Scrap recovery, reclaiming	708B	Shed, tool
747B	Scrap rubber processing	766B	Sheep dip mfg
774B	Scraper mfg, earth	654B	Sheep raising
774B	Screening machine mfg	742B	Sheepskin lined clothing mfg
773B	Screw mfg	744B	Sheepskin mat mfg
233B	Sculpture, school for	745B	Sheepskin rug mfg
773B	Scythe mfg	745B	Sheepskin, shearing
948B	Sea fishing, by net or line	774B	Sheet metal working machine mfg
714B	Sea food, packing, canning, etc	773B	Sheet metal working, base metal
714B	Sea food, salting, drying, etc	743B	Sheet mfg
948B	Sea shell, gathering	758B	Sheet music, publishing, printing
756B	Seal bottle, jar mfg	534B	Sheet music sales
948B	Seal hunting	747B	Sheet rubber mfg
573B	Seat cover shop, auto	754B	Shelf mfg, any material
785B	Seat post mfg, cycle	773B	Shell case mfg, arms
754B	Seat upholstered mfg for veh	762B	Shell filling, munitions
948B	Seaweed, gathering	799B	Shell products mfg
221B	Secondary school, classroom bldg, boarding	765B	Shellac mfg
215B	Secondary school, day	925B	Shelter, fallout, storm or bomb
521B	Secondhand clothing sale	751B	Shingle mfg, wood
232B	Secretarial school	781B	Ship breaking yard
591B	Security, broker, dealer	781B	Ship fabricating plant, over 65 ft
726B	Seed cake mfg	781B	Ship parts mfg
655B	Seed crop	943B	Ship, passenger
726B	Seed meal mfg	781B	Ship repairing, over 65 ft
811B	Seed storage, bulk	885B	Ship storage
554B	Seed store	944B	Ship, tank
565B	Self-service dry cleaning	945B	Ship, war, combat
564B	Self-service laundry	773B	Shipping container mfg, metal
794B	Semi-precious stone working	781B	Shipyards, vessels over 65 ft
242B	Seminary classroom building	742B	Shirt mfg
792B	Sensitized film mfg	522B	Shirt store
577B	Service station, marine	784B	Shock absorber mfg, motor veh
572B	Service station, private	733B	Shoddy mfg
571B	Service station, public	733B	Shoddy mill
648B	Sewage disposal plant	741B	Shoe accessory mfg
648B	Sewer	754B	Shoe case mfg
933B	Sewer, constr, repair	732B	Shoe lace mfg, braided cotton
934B	Sewer, demolition	733B	Shoe lace mfg, braided, wool
774B	Sewing machine mfg, book-binding	734B	Shoe lace mfg, braided fibers
776B	Sewing machine mfg	745B	Shoe laces mfg, leather
532B	Sewing machine store		
773B	Shackle mfg		
754B	Shade mfg, any material		
526B	Shade store		

774B	Shoe mchry mfg	828B	Skin product storage
741B	Shoe mfg	828B	Skin stge
765B	Shoe polish mfg	745B	Skin, tanning, dressing, etc
523B	Shoe repair shop, store	742B	Skirt mfg
523B	Shoe repair with manufacture	773B	Skylight mfg, metal
523B	Shoe shine stand, shop	742B	Slacks mfg
827B	Shoe storage	675B	Slate quarrying
522B	Shoe store	688B	Slate, working, cutting, etc
753B	Shoe tree mfg	711B	Slaughter house
113B	Shooting gallery	441B	Sleeping area, hotel, yr round
754B	Shop front mfg	442B	Sleeping area, hotel, seasonal
754B	Shop furniture mfg	743B	Slip cover mfg
716B	Shortbread mfg	741B	Slipper mfg
726B	Shortening mfg	773B	Small arms accessory mfg
835B	Shortening stge	773B	Small arms mfg
773B	Shotgun mfg	772B	Smelting
774B	Shovel loader mfg, earth- moving	711B	Smoke house, meat
714B	Shrimp, packing, canning, etc	164B	Snack bar
911B	Shrubbery, cultivated	718B	Snack mfg
754B	Shutter mfg	773B	Snap fastener mfg, metal
753B	Shuttle mfg, for textile machine	774B	Snow blower mfg
785B	Side car mfg, assembly	554B	Snow blower rental
751B	Siding mfg, wood	725B	Snuff plant
962B	Sight-seeing bus	838B	Snuff storage
754B	Sign lettering	726B	Soap plant
754B	Sign mfg	726B	Soap powder mfg
754B	Sign painting	869B	Soap storage
783B	Signal mfg, railroad	675B	Soapstone, mining, quarrying
762B	Signal rocket mfg	141B	Social club, w/o sleeping
811B	Silage storage	421B	Social club, w/sleeping, 1-2 units
735B	Silk, finishing	424B	Social club, w/sleeping, over 20 units
799B	Silk lamp shade mfg	736B	Sock mfg, knitted
734B	Silk mill	776B	Socket mfg, elec
734B	Silk, spinning, etc	755B	Soda pulp mfg
823B	Silk storage, bales, bags	677B	Sodium, mining, quarrying
811B	Silo, farm	761B	Sodium processing
794B	Silver & silver plate ware assembly mfg	724B	Soft drink mfg
794B	Silver, assaying, smelting, etc	744B	Sole, leather tannery
774B	Silver can mfg, for textile machine	741B	Sole mfg, leather or plastic
673B	Silver mining, quarry	741B	Sole mfg, wooden
794B	Silverware mfg	763B	Solid resin mfg, synthetic
824B	Sisal storage, bales, bags	762B	Solvent extraction
737B	Sisal working	767B	Solvent mfg
153B	Site, historic	462B	Sorority house
552B	Skate shop	532B	Sound equipment sales
114B	Skating rink, ice	776B	Sound recording equip mfg
123B	Skating rink, in arena	719B	Soup canning
115B	Skating rink, roller	816B	Soy bean elevator
774B	Ski lift mfg	715B	Soybean, grinding, splitting
552B	Ski shop	726B	Soybean processing
986B	Ski tow	811B	Soybean storage, bulk
745B	Skin mat mfg	791B	Space measuring instrument mfg
		987B	Space vehicle

773B	Spade mfg	173B	Station, bus
716B	Spaghetti mfg	176B	Station, elevated
773B	Spanner mfg	888B	Station, fire
781B	Spar mfg, vessels over 65 ft	345B	Station, police
782B	Spar mfg, vessels under 65 ft	174B	Station, railroad, street level
233B	Specialty school	175B	Station, subway
792B	Spectacle mfg	756B	Stationery mfg, incl printing
941B	Speed boat under 65 ft loa	541B	Stationery store
726B	Sperm oil products	752B	Stave mfg
719B	Spice processing	141B	Steam bath
771B	Spiegeleisen mfg	774B	Steam boiler mfg
774B	Spindle mfg, for textile machine	646B	Steam generating plant
774B	Spinning machine mfg, textile	774B	Steam pipeline
732B	Spinning mill, cotton	774B	Steam roller mfg
734B	Spinning mill, mixed, other fibers	774B	Steam shovel mfg
733B	Spinning mill, wool or worsted	726B	Stearin oil mfg
773B	Spiral spring mfg	726B	Stearin oil, refining
791B	Splint mfg	771B	Steel alloy mfg
716B	Split pea mfg	771B	Steel, basic products mfg
948B	Sponge, gathering	771B	Steel, billets, blooms, etc
747B	Sponge mfg, rubber or synthetic	771B	Steel conversion
747B	Sponge rubber mfg	771B	Steel forging
774B	Spool mfg, for textile machine	771B	Steel foundry
773B	Spoon mfg, non-precious metal	771B	Steel furnace
794B	Spoon mfg, precious metal	771B	Steel mill
746B	Sporting goods mfg, leather	771B	Steel, smelting, refining, etc
798B	Sporting goods mfg, non-leather	773B	Steel spring mfg
552B	Sporting goods store	771B	Steel stripping
773B	Sporting guns mfg	774B	Steelwork mfg, building, bridge
123B	Sports arena	784B	Steering gear mfg, motor vehicle
737B	Sports net mfg	799B	Stencil mfg
521B	Sportswear shop	595B	Stenographic services firm
774B	Spring balance mfg	757B	Stereotyping, newspaper, magazine
773B	Spring mfg, steel	758B	Stereotyping, all other
815B	Stable	561B	Stethoscope sales
123B	Stadium	736B	Stocking mfg, knitted
765B	Stain mfg, wood, varnish	711B	Stockyard abattoir
682B	Stained glass mfg	817B	Stockyard livestock stge
799B	Stamp mfg, embossing, metal	774B	Stoker mfg
799B	Stamp mfg, rubber	688B	Stone crushing
758B	Stamp, postage, printing	675B	Stone quarrying
773B	Stamped metal pieces mfg, drop	688B	Stone, shaping, grinding, etc
661B	Standing timber	681B	Stoneware pipe, conduit mfg
734B	Staple fiber mfg	753B	Stopper mfg, cork
715B	Starch plant	891B	Storage, general
837B	Starch storage, bulk	562B	Store fixture sales
591B	State capitol	754B	Store front mfg
591B	State office	754B	Store shutter mfg
514B	State store liquor	754B	Storm door mfg
		925B	Storm shelter
		723B	Stout mfg
		681B	Stove lining, mfg brick
		771B	Stove mfg, cast iron
		776B	Stove mfg, elec

773B	Stove mfg, not cast iron, nonelec	761B	Sulphur ore, processing
765B	Stove polish mfg	412B	Summer cottage, in summer, 1-family
532B	Stove sales	181B	Summer stock theater
746B	Strap mfg, leather	132B	Sunday school
742B	Straw hat mfg	511B	Supermarket, over 10,000 sq ft
739B	Straw mat mfg	512B	Supermarket, under 10,000 sq ft
756B	Straw mfg, paper	162B	Supper club
737B	Straw, rope, cord, etc	593B	Surgeons office
911B	Straw stack	791B	Surgical appliance mfg
933B	Street, constr, repair	791B	Surgical instrument mfg
934B	Street, demolition	791B	Surgical supply mfg
174B	Street level rail terminal	521B	Surplus store
933B	Street paving	594B	Surveyors office
783B	Street railway painting shop	742B	Suspender mfg
783B	Street railway repair shop	933B	Swimming pool, constr, repair
887B	Street railway storage house	934B	Swimming pool, demolition
783B	Streetcar assembling	116B	Swimming pool or equipment
783B	Streetcar mfg	953B	Switch engine
795B	String instrument mfg	776B	Switch mfg, elec
737B	String mfg	776B	Switchboard mfg, telephone
761B	Strontium minerals processing	775B	Switchgear mfg, elec
677B	Strontium minerals, mining	956B	Switching tower, railroad
681B	Structural clay product mfg	773B	Sword mfg
893B	Structural clay products storage	131B	Synagogue
771B	Structural steel mfg	761B	Synthetic dye mfg
871B	Structural steel storage	761B	Synthetic fertilizer mfg
141B	Student club	734B	Synthetic fiber, carding, etc
461B	Student dormitory	735B	Synthetic fiber, finishing
141B	Student union	764B	Synthetic fiber mfg
113B	Studio, dance	734B	Synthetic fiber, part process mill
186B	Studio, motion-picture	823B	Synthetic fiber storage, bales, bags
553B	Studio, photography, still picture	763B	Synthetic resin mfg
185B	Studio, radio and TV	763B	Synthetic rubber mfg
662B	Stump storage, wood	747B	Synthetic rubber product mfg
642B	Substation, elec	747B	Synthetic rubber products
954B	Subway car	683B	Syphon, glass mfg
783B	Subway car mfg	724B	Syrup mfg, flavoring
933B	Subway, constr, repair	754B	Table mfg, any material
934B	Subway, demolition	726B	Table oil mfg
641B	Subway, elec power plant	743B	Tablecloth mfg
175B	Subway station	794B	Tableware mfg, metal or stones
711B	Suet mfg	776B	Tabulating machine mfg
717B	Sugar beet refining	756B	Tabulating machine card mfg
717B	Sugar cane refining	799B	Tag mfg
717B	Sugar refinery	524B	Tailor shop
836B	Sugar storage, bulk	742B	Tailor-made clothing mfg
717B	Sugar syrup refining	675B	Talc, mining, quarrying
742B	Suit mfg	688B	Talc works
746B	Suitcase mfg	726B	Tallow mfg
755B	Sulphate, sulphite pulp mfg		
677B	Sulphur, natural, mining		
761B	Sulphur, natural processing		
677B	Sulphur ore, mining		

726B	Tallow oil, refining	582B	Ten cent store, under 10,000 sq ft
841B	Tank farm	421B	Tenement, 1-2 families, w/business
841B	Tank storage, flammable liquids	422B	Tenement, 3-20 families, w/business
842B	Tank, storage, gas	423B	Tenement, 3-20 families, w/o business
843B	Tank storage, lp-gas	424B	Tenement, over 20 families
964B	Tank truck	142B	Tennis club
944B	Tanker ship	933B	Tennis court, constr, repair
745B	Tannery, fur, skin, pelt, hide	934B	Tennis court, demolition
744B	Tannery, leather	743B	Tent mfg
761B	Tanning extract mfg	552B	Tent sales
776B	Tape mfg, recording	526B	Tent store
732B	Tape mfg, woven cotton	171B	Terminal, airport
734B	Tape mfg, woven, mixed fibers	173B	Terminal, bus, limousine
776B	Tape recorder mfg	176B	Terminal, elevated
726B	Taper mfg, candles	894B	Terminal, freight
163B	Taproom	811B	Terminal grain elevator
768B	Tar coated paper mfg	177B	Terminal, marine
767B	Tar distillation	171B	Terminal, passenger, airport
743B	Tarpaulin mfg	174B	Terminal, railroad station, street level
163B	Tavern, w/o sleeping accommodations	175B	Terminal, subway
441B	Tavern, w/sleeping accommodations, yr rd	894B	Terminal warehouse
961B	Taxicab	771B	Terneplate mfg
784B	Taxicab mfg, assembly	681B	Terra cotta mfg
883B	Taxicab parking	784B	Test cell, engine
752B	Tea chest mfg	774B	Textile mchry mfg
655B	Tea growing	826B	Textile product storage
719B	Tea leaf processing	826B	Textile product storage, finished
773B	Teapot mfg, metal, w/o heating element	526B	Textile store
776B	Teapot mfg, metal, w/heating element	826B	Textiles storage
774B	Teasel rod mfg, for textile machine	181B	Theater, combined use
231B	Technical school	184B	Theater, drive-in
791B	Teeth mfg, artificial, false	181B	Theater, legitimate
776B	Telegraph apparatus mfg	183B	Theater, motion picture
933B	Telegraph line, constr, repair	776B	Therapeutic apparatus mfg
934B	Telegraph line, demolition	776B	Thermistor mfg
751B	Telegraph pole mfg	776B	Thermostat mfg
776B	Telephone apparatus mfg	865B	Thinner storage
634B	Telephone exchange	732B	Thread mill, cotton
933B	Telephone line, constr, repair	734B	Thread mill, mixed, other fibers
934B	Telephone line, demolition	733B	Thread mill, wool or worsted
776B	Teleprinter mfg	739B	Thread reworking mill
792B	Telescope mfg	774B	Thresher mfg, incl self-propelled
548B	Telescope sales	123B	Ticket office, sporting events
776B	Teletype machine mfg	758B	Ticket printing
754B	Television cabinet mfg, wood	522B	Tie store
776B	Television mfg	738B	Tile mfg, asphalt, vinyl, linoleum
538B	Television repairs, w/o sales	747B	Tile mfg, rubber floor
532B	Television sales	681B	Tile plant, clay products
131B	Temple		
583B	Ten cent store, over 10,000 sq ft		

662B	Timber, hewing, rough shaping	573B	Top shop, motor vehicle
661B	Timber, planting, replanting	773B	Torpedo case mfg
661B	Timber standing	962B	Tour bus
662B	Timber, yard storage	451B	Tourist cabin
793B	Time lock mfg	432B	Tourist home, 9-15 roomers
793B	Time recorder mfg	431B	Tourist home, 4-8 roomers
776B	Time switch mfg, elec	441B	Tourist home, over 15 roomers, yr rd
793B	Timer mfg	743B	Towel mfg
773B	Tin can mfg	591B	Town hall
773B	Titanium, hollowware mfg	591B	Town office building
673B	Tin mine, quarry	798B	Toy mfg, non-rubber
772B	Tin products mfg	747B	Toy mfg, rubber
772B	Tin, refining, smelting, etc	551B	Toy store
773B	Tin stamping, cold pressing	962B	Trackless trolley
772B	Tin wire drawing	758B	Tract, publishing, printing
773B	Tinware mfg	982B	Tractor, farm
747B	Tire mfg	774B	Tractor mfg, agri, ind
747B	Tire recapping, repair	774B	Tractor mfg, garden
747B	Tire repair plant	574B	Tractor sales
877B	Tire salvage	757B	Trade journal publishing
867B	Tire storage	231B	Trade school
575B	Tire store	562B	Trade supply sales
773B	Titanium, hollowware mfg	775B	Traffic indicator mfg, vehicle
772B	Titanium refining, smelting, etc	776B	Traffic signaling apparatus mfg
773B	Titanium, stamping, etc	473B	Trailer camping
772B	Titanium wire drawing	968B	Trailer, commercial
776B	Toaster mfg, domestic	968B	Trailer, industrial
656B	Tobacco curing, drying shed	784B	Trailer, mfg, assembly
655B	Tobacco growing	968B	Trailer, professional
725B	Tobacco plant	574B	Trailer sales
656B	Tobacco preparing	472B	Trailer travel
838B	Tobacco products storage	642B	Transformer
542B	Tobacco shop	775B	Transformer mfg
725B	Tobacco, stemming	642B	Transformer vault
814B	Tobacco storage, loose or baled	776B	Transistor Mfg
717B	Toffee mfg	894B	Transit shed
799B	Toilet brush mfg	774B	Transmission chain mfg
756B	Toilet paper mfg	644B	Transmission line, gas
766B	Toiletries mfg	645B	Transmission line, oil
923B	Toll station	784B	Transmission mfg, motor vehicle
766B	Toners mfg	776B	Transmitter mfg
774B	Tool holder mfg, metal	632B	Transmitter site, radar
774B	Tool mfg	632B	Transmitter site, radio, TV
791B	Tool mfg, engineers	632B	Transmitter site, tracking station
776B	Tool mfg, flexible shaft, portable	663B	Trapping
773B	Tool mfg, hand	914B	Trash
776B	Tool mfg, power	914B	Trash barrel
708B	Tool shed	472B	Travel trailer, temp family unit
873B	Tool storage	664B	Tree
766B	Tooth paste mfg	662B	Trees, felling, rough cutting
766B	Tooth powder mfg	921B	Trestle
799B	Toothbrush mfg	785B	Tricycle mfg

954B	Trolley car	538B	Typewriter repair w/o sales
641B	Trolley car, electric power plant	799B	Typewriter ribbon mfg
887B	Trolley car storage	531B	Typewriter sales, w/repair
784B	Troop carrier mfg, assembly	794B	U.S. mint
742B	Trouser mfg	742B	Umbrella mfg
575B	Truck accessory store	522B	Umbrella store
965B	Truck, cement	925B	Underground shelter
964B	Truck, chemical tank	934B	Underwater rock removal
963B	Truck, compressed gas tank	742B	Underwear mfg
655B	Truck, farm	742B	Uniform mfg
964B	Truck, flammable liquid	242B	University classroom building
894B	Truck freight terminal	461B	University dormitory
965B	Truck, general	935B	Unoccupied bldg
984B	Truck, fork lift	739B	Upholstering filling mfg
965B	Truck, mail	754B	Upholstering plant
632B	Truck, mobile communica-tions	751B	Upholstery fill mfg, wood
883B	Truck parking area	531B	Upholstery store
887B	Truck repair equip storage	744B	Upper leather tannery
574B	Truck sales	744B	Upper shoe leather tanning
964B	Truck, tank, not compressed gas	642B	Utility pole
965B	Trucking, farm products	935B	Vacant bldg
784B	Trucks, mfg, assembly	911B	Vacant lot
791B	Trunk mfg	776B	Vacuum cleaner mfg, elec
791B	Truss mfg	683B	Vacuum flask, glass mfg
752B	Tub mfg	774B	Valve mfg, mechanical
682B	Tube electronic glass enve-lope mfg	776B	Valve mfg, elec
773B	Tube mfg, collapsible	583B	Variety store, over 10,000 sq ft
776B	Tube mfg, elec, vacuum	582B	Variety store, under 10,000 sq ft
771B	Tube mfg, flexible, iron or steel	765B	Varnish mfg
747B	Tube mfg, inner tube, rubber	865B	Varnish storage
764B	Tube mfg, plastic	752B	Vat mfg
682B	Tubing, glass mfg	773B	Vault door mfg
747B	Tubing mfg, rubber	642B	Vault, electrical
941B	Tugboat, under 65 ft loa	636B	Vault, records
942B	Tugboat, under 1,000 gt, over 65 ft	642B	Vault, transformer
922B	Tunnel	713B	Vegetable canning
933B	Tunnel, constr, repair	713B	Vegetable, dehydrating, quick-freeze
934B	Tunnel, demolition	719B	Vegetable dye mfg
781B	Turbine mfg, repairs, marine	655B	Vegetable growing
775B	Turn indicator mfg, vehicle	713B	Vegetable juices, packing
765B	Turpentine refinery	726B	Vegetable oil refinery
185B	TV studio	657B	Vegetable packing, as picked
632B	TV transmitting site	713B	Vegetable packing
776B	TV tube mfg	787B	Vehicle mfg, animal or hand drawn
682B	TV tubes, glass envelope mfg	784B	Vehicle mfg, assembly
737B	Twine plant	732B	Veil, veiling mfg, cotton
773B	Type foundry	734B	Veil veiling mfg, mixed fibers
774B	Typesetting machine mfg	733B	Veil, veiling mfg, wool
758B	Typesetting, misc	751B	Veneer mfg
757B	Typesetting, newspaper	774B	Ventilating mchry mfg
776B	Typewriter mfg, elec, manual	716B	Vermicelli mfg
		975B	Vertical takeoff aircraft non-military

942B	Vessel, water, under 1,000 gt, over 65 ft	916B	Waterborne debris
742B	Vestment mfg	742B	Waterproof outerwear mfg
766B	Veterinary chemicals mfg	933B	Waterway, constr, repair
556B	Veterinary service	934B	Waterway, demolition
933B	Viaduct, constr, repair	767B	Wax mfg, paraffin
934B	Viaduct, demolition	765B	Wax products mfg
773B	Vice mfg, metal	736B	Wearing apparel mfg, knitted
776B	Victrola mfg	743B	Wearing apparel mfg, not knitted
713B	Vinegar mfg	521B	Wearing apparel sale, rental
733B	Virgin wool working	826B	Wearing apparel storage
346B	Vocational rehabilitation center	774B	Weaving machine mfg, textile
231B	Vocational school	732B	Weaving mill, cotton
739B	Wadding mfg, all fibers	734B	Weaving mill, mixed, other fibers
967B	Wagon	733B	Weaving mill, wool or worsted
787B	Wagon mfg, horse drawn	732B	Webbing mfg, cotton
742B	Walking stick mfg	734B	Webbing mfg, mixed, other fibers
535B	Wall covering sales	733B	Webbing mfg, wool or worsted
773B	Wall mfg, curtain- wall, metal	769B	Weed killer mfg
773B	Wall mfg, metal	774B	Weighing machine mfg
756B	Wall paper mfg, incl printing	774B	Welding electrode mfg
535B	Wall paper store	774B	Welding mchry mfg, nonelec
891B	Warehouse, general storage	775B	Welding mchry mfg, elec
945B	Warship	774B	Welding rod mfg
773B	Washer mfg, metal	773B	Welding shop
774B	Washing machine mfg	561B	Welding supply sales
532B	Washing machine sales	981B	Well drilling rig, water
776B	Washing mchry mfg, elec	985B	Well drilling rig, petroleum, gas
739B	Waste, batting mill	674B	Well, oil, gas
877B	Waste paper reclaiming	726B	Whale oil refining
755B	Waste paper sorting	948B	Whaling, factory vessel
855B	Waste paper stge	898B	Wharf
747B	Waste rubber processing	715B	Wheat, milling, preparation
733B	Waste wool recovery	785B	Wheel mfg, cycle
793B	Watch mechanism mfg	784B	Wheel mfg, motor vehicle
793B	Watch mfg	787B	Wheelbarrow mfg
793B	Watch part mfg	746B	Whip mfg, leather
544B	Watch repair shop	721B	Whiskey distillery
544B	Watch, sales	846B	Whiskey storage
793B	Watchcase mfg	765B	White lead paste mfg
611B	Water, heavy	799B	Wig mfg
933B	Water main, constr, repair	525B	Wig sales
934B	Water main, demolition	752B	Willow product mfg
933B	Water power project, constr, repair	775B	Winch mfg, elec
934B	Water power project, demolition	774B	Winch mfg, nonelec
647B	Water reservoir	795B	Wind instrument mfg
647B	Water tank	774B	Winding machine mfg, textile
942B	Water taxi, under 1,000 gt, over 65 ft	682B	Window glass mfg
647B	Water treatment	773B	Window sash mfg, metal
933B	Water well, constr, repair		
934B	Water well, demolition		
647B	Water works		

751B	Window sash mfg, wood	751B	Wood treating plant
754B	Window shade plant	752B	Wood tube mfg
535B	Window shade store	758B	Woodcuts mfg
773B	Window, storm or screen mfg, metal	751B	Wooden door mfg
751B	Window, storm or screen mfg, wood	795B	Wooden furniture mfg
567B	Window washing firm	795B	Wooden musical instrument mfg
722B	Wine mfg	661B	Woodland maintenance
766B	Wine mfg, medicated	753B	Woodware mfg
846B	Wine storage	751B	Woodwork mfg
722B	Winery	753B	Woodworking, off building site
412B	Winter cottage, in winter, 1-family	751B	Woodworking, on building site
413B	Winter cottage, in summer, 1-family	733B	Wool blending, cleaning, combing
785B	Wiper mfg, cycle	735B	Wool, finishing
784B	Wiper mfg, motor vehicle	733B	Wool, full process mill
771B	Wire drawing, ferrous	726B	Wool grease, refining
774B	Wire drawing machine mfg	742B	Wool hat mfg
773B	Wire gauze mfg	733B	Wool, part process mill
754B	Wire mattress mfg	654B	Wool, production
773B	Wire mfg, exc drawing	733B	Wool recovery
776B	Wire mfg, insulated elec	733B	Wool reworking mill
773B	Wire nail mfg	733B	Wool scouring plant
773B	Wire net mfg	733B	Wool sorting plant
773B	Wire products mfg	733B	Wool, spinning, carding, etc
774B	Wire rope making mchry mfg	822B	Wool storage, bales, bags
775B	Wiring harness mfg, vehicle	774B	Work holder mfg, metal
342B	Women detention home	464B	Workers barracks
753B	Wood block mfg	735B	Worsted, finishing
782B	Wood boat mfg	733B	Worsted, spinning, etc
751B	Wood building products mfg	733B	Worsted yarn, spinning, dou- bling, winding
753B	Wood carving mfg	755B	Wrapping paper mfg
666B	Wood chip pile	773B	Wrench mfg
662B	Wood chip storage	765B	Writing ink mfg
752B	Wood container mfg	756B	Writing pad mfg, incl blank books
751B	Wood fiber product plant	755B	Writing paper mfg
751B	Wood flooring mfg	771B	Wrought iron works
751B	Wood flour mfg	776B	X-ray apparatus mfg
753B	Wood heel mfg	868B	X-ray film storage
753B	Wood last mfg	776B	X-ray machine mfg
662B	Wood logs for fuel, storage	441B	Y.M.C.A. w/sleeping, yr rd
753B	Wood pin mfg, bowling pin mfg	141B	Y.M.C.A./Y.W.C.A. no sleeping
751B	Wood preserving plant	441B	Y.W.C.A. w/sleeping, yr rd
753B	Wood products mfg	143B	Yacht club
852B	Wood products storage	941B	Yacht, under 65 ft loa
853B	Wood pulp stge	942B	Yacht, under 1,000 gt, over 65 ft
753B	Wood rack mfg	143B	Yachting club
751B	Wood roofing mfg	885B	Yachting club, mooring, launching facility
753B	Wood saddlery mfg	825B	Yard goods storage
751B	Wood, sawing, planing, etc	526B	Yard goods store
751B	Wood sleeper mfg		
753B	Wood sole mfg		
765B	Wood stain mfg		
753B	Wood toy mfg		

732B	Yarn mfg, cotton	825B	Yarn storage
734B	Yarn mfg, mixed, other fibers	719B	Yeast mfg
733B	Yarn mfg, wool or worsted	773B	Zinc hollow ware mfg
732B	Yarn mill, cotton	673B	Zinc mine, quarry
734B	Yarn mill, mixed, other fibers	773B	Zinc nail mfg
733B	Yarn mill, wool or worsted	772B	Zinc refining, smelting, etc
739B	Yarn reworking mill	773B	Zinc, stamping, cold pressing
526B	Yarn shop	772B	Zinc wire drawing

Chapter C. Property Inventory, General

C1. Property Inventory Discussion

C11. A great deal of information is available about the buildings of a city or town before an alarm in one of these buildings. This information can be collected before the fire and can create an inventory of property for use in pre-planning. This is the tactical use. Another use is the strategic — the placing of fire stations and equipment in localities where they will best serve anticipated needs.

C12. The standard property inventory is suggested for use by a fire department in connection with important properties or those presenting unusual hazards. The inventory can be of value both with relation to preplanning of prospective fires and to post mortems on actual fires. It can also be of value to various governmental authorities, as well as to owners and to insurance companies. Serious consideration should, therefore, be given to the making of the inventory a matter of public record.

C13. The first step of the property inventory is to locate the property geographically and with relation to water supply. This step is taken in the "location of the property" and in Sections A through D. Of course, the state or province code is necessary only for reports submitted to a national organization.

C14. The next is to describe the obvious features — what can be seen or inferred from an outside inspection or by reference to municipal records. This step is taken in Sections E through H.

C15. The third step is to describe the construction and other factors which will influence fire fighting, so far as they can be determined in advance. This step is taken in Chapter D.

C2. Location of the Property

- a. _____ Street or streets
- b. _____ local name or designation
- c. _____ community or subdivision-zipcode
- d. _____ box or census tract number*
- e. _____ City, county, state or province
- _____ NFPA code

For Individual Properties

- f. _____ property classification — from Chapter B
- g. _____ property representative to contact
- _____ telephone number

States and provinces may be coded either alphabetically or numerically, as follows:

Alabama	AL	1	New Mexico	NM	32
Alaska	AK	2	New York	NY	33
Arizona	AZ	3	North Carolina	NC	34
Arkansas	AR	4	North Dakota	ND	35
California	CA	5	Ohio	OH	36
Colorado	CO	6	Oklahoma	OK	37
Connecticut	CT	7	Oregon	OR	38
Delaware	DE	8	Pennsylvania	PA	39
District of Columbia	DC	9	Rhode Island	RI	40
Florida	FL	10	South Carolina	SC	41
Georgia	GA	11	South Dakota	SD	42
Hawaii	HI	12	Tennessee	TN	43
Idaho	ID	13	Texas	TX	44
Illinois	IL	14	Utah	UT	45
Indiana	IN	15	Vermont	VT	46
Iowa	IA	16	Virginia	VA	47
Kansas	KS	17	Washington	WA	48
Kentucky	KY	18	West Virginia	WV	49
Louisiana	LA	19	Wisconsin	WI	50
Maine	ME	20	Wyoming	WY	51
Maryland	MD	21	Alberta	AT	60
Massachusetts	MA	22	British Columbia	BC	61
Michigan	MI	23	Manitoba	MB	62
Minnesota	MN	24	New Brunswick	BR	63
Mississippi	MS	25	Newfoundland	NF	64
Missouri	MO	26	Nova Scotia	NS	65
Montana	MT	27	Ontario	ON	66
Nebraska	NB	28	Prince Edward Island	PE	67
Nevada	NV	29	Quebec	PQ	68
New Hampshire	NH	30	Saskatchewan	SK	69
New Jersey	NJ	31	Yukon or Northwest Territory	YT	70

*The Census Tract No. is desirable to use since so many sociological factors are known about census tracts. Fire often depends on the characteristics of people living in the area.

CA. Water Supply-Type

- CA1. Within Recognized Water System
Hydrants within 500 feet
- CA2. Within Recognized Water System
Hydrants between 500 and 999 feet away
- CA3. Within Recognized Water System
Hydrants 1,000 feet or more away
- CA4. Outside Recognized Water System
Private water source within 500 feet
- CA5. Outside Recognized Water System
Private water source between 500 and 900 feet away
- CA6. Outside Recognized Water System
- CA9. Not Elsewhere classified
- CA0. Not reported

CB. Water Supply-Flow

The water supply-flow can best be determined by actual water flow tests on hydrants, but as many fire departments do not make these tests, or cannot obtain them from other departments of the city government, an alternative method of estimating the adequacy of water supply is suggested in Section CC. What is wanted is the water flow immediately available to the first responding apparatus (no relay pumping). In general, for most properties, a water flow is considered adequate if it provides 1500 or more gallons per minute, or if it is taken off an 8-inch main. Properties within a congested section of a city may need more, while 1 or 2 family dwellings, if sufficiently separated from each other, probably need less.

- | | |
|-------------------------|-------------------------|
| CB1. Less than 250 gpm. | CB6. 1500-1999 gpm. |
| CB2. 250-499 gpm. | CB7. 2000 gpm and over. |
| CB3. 500-749 gpm. | CB9. No water main. |
| CB4. 750-999 gpm. | CB0. Not reported. |
| CB5. 1000-1499 gpm. | |

CC. Size of Water Main

- | | |
|-------------------|---------------------------|
| CC1. 4 in. diam. | CC6. 12 in. diam. |
| CC2. 5 in. diam. | CC7. 14 in. or over diam. |
| CC3. 6 in. diam. | CC9. No water main. |
| CC4. 8 in. diam. | CC0. Not reported. |
| CC5. 10 in. diam. | |

CD. Water Tank Capacity Responding to First Alarm

- | | |
|----------------------------|---------------------------|
| CD1. Less than 200 gallons | CD3. 500-999 gallons |
| CD2. 200-499 gallons | CD4. 1000 gallons or over |

CE. Property Type

The property type is what kind of a structure is involved. The major type is, of course, a building, and this is subdivided into three sub-classes, according to occupancy (property classification, Chapter B). If there are more than two occupancies, and these are all of similar character (mercantile, storage, etc.), code CE2; but if the occupancies are dissimilar, code CE3.

CE1. Building — single or double occupancy.

CE2. Building — multiple occupancy of similar major types

CE3. Building — multiple occupancy of dissimilar types

CE4. Open structure

Includes roof with no walls, open steel framing, bridge, trestle, outdoor process equipment.

CE5. Tent, air supported structure

CE6. Vehicle, outdoor storage, vegetation, animals, etc.

CE7. Underground structure or mine

CE8. Pier, wharf

CE9. Not elsewhere classified — specify in detail

CE0. Not reported

CF. Year of Construction and Building Height

Drop first digit from date. Thus 1968 would be 968, 1941 would be 941, and 1898 would be 898. The figures, in many cases, will have to be approximations, but the important point in a number of cities is to distinguish between "old law" and "new law" properties.

For building height, enter the number of stories above grade, for a building; and for another type of structure the equivalent in number of stories. Measure or estimate to the highest structural member or peak, not including flag poles, antennas, and the like. It is to be noted that a 100-foot aerial ladder has a limit of about 8-9 stories in reach, if permitted to locate adjacent to the building.

CG. Ground Floor Area

The term "ground floor area" should be treated with a little elasticity, in view of the character of some modern buildings. The purpose is to determine whether or not it is possible to fight a fire successfully using only hose streams from the outside of the structure. Parts of a building over 150 feet by 150 feet are generally beyond reach of such hose streams.

CG1. 0-999 sq. ft.

CG2. 1000-4999 sq. ft.

CG3. 5000-9999 sq. ft.

CG4. 10,000-24,999 sq. ft.

CG5. 25,000-49,999 sq. ft.

CG6. 50,000-99,999 sq. ft.

- CG7. 100,000-499,999
- CG8. 500,000 sq. ft. and over
- CG0. Not reported or not applicable

CH. Property Management

The information in this section can generally be obtained from the assessor's office, or its equivalent. If it is not considered necessary to make such a detailed breakdown as the following, a simplified system of 1-private property and 3-government property may be used.

- CH1. Private property — tax paying
- CH2. Private property — non-tax paying
- CH3. Government Property — local, county
- CH4. Government property — state, province, except military
- CH5. Government property — central, federal, except military
- CH6. Government property — foreign
- CH7. Government property — military
- CH9. Not elsewhere classified
- CH0. Not reported

Chapter D. Property Inventory, Fire Fighting Factors

DA. Construction

One of the most important items in the property inventory is the building construction. The construction classes are taken from NFPA No. 220. Fire resistive ratings are determined by Standard Methods for Fire Tests, NFPA No. 251, ASTM-E119, UL 263. Both heavy timber and ordinary construction classes have exterior bearing walls of noncombustible construction having a minimum fire resistance of 2 hours and stability under fire conditions; while roofs, floors, and interior framing are of combustible materials. The combustible materials must be heavier and stronger in heavy timber construction.

- DA1. Fire resistive
- DA2. Heavy timber
- DA3. Protected noncombustible
- DA4. Unprotected noncombustible, not qualifying for 3
- DA5. Protected ordinary
- DA6. Unprotected ordinary, not qualifying for 5
- DA7. Protected wood frame
- DA8. Unprotected wood frame, not qualifying for 7
- DA0. Not reported

DB. Building Capacity

The building capacity is the measure of the number of people the structure can safely accommodate at any one time. For details, see

the Safety to Life Code, NFPA No. 101. Suggested codes are as follows:

- DB1. Under 10 people
- DB2. 10-49 people
- DB3. Class C, 50-99 people
- DB4. Class C, 100-299 people
- DB5. Class B, 300-499 people
- DB6. Class B, 500-999 people
- DB7. Class A, 1,000 people or more
- DB0. Not reported

DC. Fire Protection Facilities

The fire protection facilities which are already in place and functioning, to protect a building constructed and occupied in the manner coded above, is the subject of this section. The facilities are, for the most part, private protection, installed by the owner. Their presence should be known by a municipal department entrusted with the task of extinguishing a possible fire in the building. Their presence can be indicated by check marks in appropriate boxes on a form similar to the one which follows.

DC 1. Sprinkler Systems (NFPA 13) _____
Describe type of system, complete

or partial protection, location of F.D. connection and control valves

DC 2. Standpipe and hose systems (NFPA 14) _____
Describe wet or dry sys-

tems, location, and location of valves and pumper connection

DC 3. Portable fire extinguishers on property (NFPA 10) _____

describe types and give general coverage

DC 4. Pond, river, canal, cistern, reservoir, swimming pool or other source
of water available _____

describe and give location

DC 5. Protection for special hazards (NFPA 11, 12, 12A, 13, 15, 17) _____

describe briefly

DC 6. Signaling or fire warning systems (NFPA 71, 72) _____

type of system and give areas of coverage

DC 7. Private brigade (NFPA 27) _____

describe briefly

DC 8. Supervised watchman or guard (NFPA 601) _____

describe briefly

DC 9. Other aids to fire fighting _____

specify

DD. Obstacles to Fire Rescue

Fire rescue is the first responsibility of a fire department when it reaches a fire, and the obstacles it may find in discharging that responsibility should certainly be known beforehand. Some of these obstacles may be determined by looking at the outside of the building, but most may not. The "means of egress" is the total path to be followed by an occupant in getting outside the building, including corridors, stairways, fire escapes, and doors or windows. See the Life Safety Code, NFPA-101, for details.

DD 1. Windowless buildings

DD 2. Stationary or steel sash, casement or storm windows

DD 3. Insufficient exits or means of egress _____

describe condition briefly

DD 4. Obstructed, locked, unlighted, or inaccessible means of egress, incl. improper hardware or identification _____

describe condition briefly

DD 5. Excessive flame spread rating of materials in means of egress _____

describe

DD 6. Open stairways or other unprotected vertical openings _____

describe condition briefly

DD 7. Excessive flame spread rating of materials in areas other than means of egress _____

describe

DD 8. Height above ladder reach, or obstacles to laddering _____

describe

DD 9. Other obstacles _____
specify and give locations

DE. Obstacles to fire fighting

Fire fighting is the second responsibility of the fire department, after rescue and during rescue. Some obstacles which may be met are listed as follows:

DE 1. Lack of access

DE 2. Windowless wall or walls _____
describe condition briefly

DE 3. Lack of vents or difficult to vent _____
describe condition briefly

DE 4. Excessive areas — parts of property beyond reach of hose streams
describe condition briefly

DE 5. Excessive height _____
describe condition briefly

DE 6. Insufficient horizontal or vertical cutoffs _____
describe condition briefly

DE 7. Contents an adverse factor. High piling, or partitions or stock blocking fire streams _____
specify and give locations

DE 9. Other obstacles _____
describe condition briefly

DF. Property Value

While the fire department need not pay too much attention to property value (the main objectives are rescue and extinguishment, irrespective of value), still it is of some significance to know what a property is worth. Suggested estimated value groupings are as follows:

- DF1. 0-999 dollars
- DF2. 1000-9999 dollars
- DF3. 10,000-24,999 dollars
- DF4. 25,000-99,999 dollars
- DF5. 100,000-249,999 dollars
- DF6. 250,000-999,999 dollars
- DF7. 1,000,000-4,999,999 dollars
- DF8. 5,000,000 dollars and over
- DF9. Privileged information — value not available
- DF0. Not Reported

Chapter E. Area of Origin

EA. Introduction

EA1. The area of origin is coded according to use at time of fire. Whereas the complex, Chapter A, takes in the entire building or group of buildings; and the property classification, Chapter B, takes in that portion of the complex having one overall occupancy; the area of origin, or process at origin, takes in that portion of the occupancy which is devoted to a single use. As an example, an office building is a complex, a restaurant in that building is an occupancy, and the kitchen in that restaurant, if a fire occurs there, is the area of origin. The area of origin is either a room or part of a room, a vehicle or part of a vehicle, or possibly some open area devoted to a single use.

EA2. The major divisions are as follows:

- E0. Means of egress*
- E1. Assembly areas
- E2. Principal function areas
- E3. Auxiliary function areas
- E4. Storage areas
- E5. Service facilities
- E6. Service and equipment areas
- E7. Structural areas
- E8. Special areas
- E9. Other areas

EB. Codes

*If a separate major division under *EB Codes* is required for "miscellaneous or unknown," it is suggested that E0 be reserved for this purpose, and that "means of egress" be coded E18.

E0. Means of Egress

- E01. Hallway, corridor
- E02. Stairway, exterior
Includes fire escape, ramp
- E03. Stairway, interior
Includes ramp.
- E04. Escalator
- E05. Lobby, entrance way
- E09. Other means of egress — specify in detail

E1. Assembly Areas (groups of people)

- E11. Large assembly area with fixed seats (100 or more persons)
Includes auditorium, chapel, place of worship, theater, arena, and lecture hall.
- E12. Large open room without fixed seats (100 or more persons)
Includes ballroom, gymnasium.
- E13. Small assembly area with or without fixed seats
Includes classroom, meeting room, etc.
- E14. Lounge area
Includes living room, common room, TV room, den, recreation room, family room, sitting room, music room, etc.
- E15. Sales, showroom area
Includes shop; for display window, use 56.
- E16. Library, museum
Includes art gallery.
- E17. Swimming pool
- E19. Other assembly areas — specify in detail

E2. Principal Function Areas

- E21. Sleeping room for under 5 persons
Includes patient's room, bedroom, cell, lockup, etc.
- E22. Sleeping area for 5 or more persons
Includes ward, dormitory, barracks, etc.
- E23. Dining area, lunchroom, cafeteria
Includes dining room, mess room, canteen, bar beverage service
- E24. Lavatory, locker room, cloakroom
Includes checkroom, rest room, bathroom, powder room, washroom, shower room, sauna bath, etc.
- E25. Laboratory
- E29. Other principal function areas — specify in detail

E3. Auxiliary Function Areas (Process Area)

- E31. Kitchen, cooking area
- E32. Laundry room or area
Includes wash house.
- E33. First aid, treatment room
Includes minor surgery.
- E34. Operating room
Includes recovery room, operating theater.
- E35. Electronic equipment room/area
Includes control center, radar room, electronic computer area, data processing center, telephone equipment, etc.
- E36. Performance
Includes stage, backstage, dressing room, ice rink, boxing ring or basketball floor.
- E37. Office
- E38. Process, manufacturing area
Includes workroom.
- E39. Other auxiliary function areas — specify in detail

E4. Storage Areas

- E41. Product storage room or area, storage tank
Includes all areas where products are held awaiting process, shipment, use or sale.
- E42. Closet
- E43. Supply storage room or area
Includes tool room maintenance supply room, supply room, dead storage room, etc.
- E44. Records storage room or vault
- E45. Shipping, receiving loading area
Includes packing department, mail room, loading bay.
- E46. Trash, rubbish area
Includes wastepaper, industrial waste container, garbage or trash chute without incinerator; excludes incinerator room and chute. See 64.
- E47. Garage, carport, vehicle storage area
- E49. Other storage areas — specify in detail

E5. Service Facilities

- E51. Elevator, dumb-waiter shaft
- E52. Shaft — pipe, vent
- E53. Shaft — light
- E54. Projection room or area
Includes stage light and spotlight areas.

- E55. Duct spaces
Includes air conditioning, heating cable, etc.
- E56. Display window
- E59. Other service facilities — specify in detail

E6. Service and Equipment Areas

- E61. Machinery room or area
Includes elevator machinery room, engine room, pump room, head house, refrigeration room, etc.
- E62. Heating equipment room or area
- E63. Switchgear area, transformer vault
- E64. Incinerator room or area
Includes all incinerator operations, flue-fed, trash chute, etc.
- E65. Maintenance shop or area
Includes repair shop, welding shop, paint shop, workshop, paint spraying.
- E66. Test cell
- E67. Enclosure with pressurized air
- E68. Enclosure with enriched oxygen atmosphere
- E69. Other service and equipment areas — specify in detail

E7. Structural Areas

- E71. Crawl space, sub-structure space
- E72. Exterior balcony, open porch
- E73. Ceiling and floor assembly; concealed floor/ceiling space
- E74. Ceiling and roof assembly; concealed roof/ceiling space
- E75. Wall assembly concealed wall space
- E76. Exterior wall surface
- E77. Roof surface, exterior
- E78. Awning
- E79. Other structural area — specify in detail

E8. Special Area

- E81. Lawn, field, open area
Includes farmyard.
- E82. Court, patio, terrace
- E83. Transportation equipment; engine area, running gear, wheels, etc.
- E84. Transportation equipment; fuel tank, fuel line area
- E85. Transportation equipment; operating or control area
Includes the bridge of ships, cockpit of planes, cab of trucks, etc.

- E86. Transportation equipment; passenger area
- E87. Transportation equipment; trunk or load carrying area
- E89. Other special area — specify in detail

E9. Other (Use only in the event of no other classification)

- E91. Near railroad right of way, embankment
- E92. Near highway, public way, street
- E93. Near foot, bicycle, riding path
- E94. Wildland area
- E95. Mine
- E97. Multiple location or use area — specify in detail
- E98. Unclassified — specify in detail
- E99. Unable to determine
- E90. Unspecified, or insufficient information given to classify further
- E00. Area of origin not applicable

Chapter F. Source of Heat of Ignition

The source of heat of ignition is meant to identify the equipment which fails or brings about the ignition. The form of heat energy actually bringing about the ignition is coded in Chapter G.

F1. Heating Systems (see NFPA Standard No. 97M, Glossary of Heating Terms for definitions of terms). (For combination heating and cooling system, classify in division 3 — Air Conditioning, Refrigeration Equipment.)

- F11. Central heating unit
Includes furnace, boiler power burner, stoker. Use 71 for industrial furnace.
- F12. Water heater
- F13. Fixed or stationary local heating unit
Includes wall furnace, unit heater, room heater, fixed heating stove, baseboard heater.
- F14. Fireplace, indoor
- F15. Portable local heating unit
Includes space heater, room heater, portable salamander.
- F16. Chimney, gas vent flue
Includes masonry, factory built or metal.
- F17. Chimney connector, vent connector (connects firebox to chimney)
Includes smoke pipe

- F18. Steam line, heating pipe
- F19. Heating system; not elsewhere classified, specify in detail
- F10. Heating system; insufficient information given to classify further

F2. Cooking Equipment

- F21. Fixed or stationary surface unit
Includes stove — excludes charcoal grills which are classified in 26.
- F22. Fixed or stationary oven
Includes rotisserie.
- F23. Fixed or stationary food warming appliance
Includes coffee urn, steam table, warming drawer, warming table.
- F24. Deep fat fryer
- F25. Portable cooking or warming unit
Includes hot plate, camp stove, toaster, waffle iron.
- F26. Open fired grill
Includes charcoal, wood or paper fired.
- F27. Grease hood or duct
- F29. Cooking equipment; not elsewhere classified, specify in detail.
- F20. Cooking equipment; insufficient information given to classify further

F3. Air Conditioning, Refrigeration Equipment

(for cords, see subdivision 47 — “Cords and Plugs”) (for combination cooling and heating system classify in this category)

- F31. Central air conditioning or refrigeration equipment
- F32. Water cooling device, tower
- F33. Fixed, stationary local refrigerator unit
Includes cold box, freezer, refrigerator.
- F34. Fixed, stationary local air conditioning unit
- F35. Portable unit
Includes dehumidifier
- F39. Air conditioning, refrigeration equipment; not elsewhere classified, specify in detail
- F30. Air conditioning, refrigeration equipment; insufficient information given to classify further

F4. Electrical Distribution Equipment (other than heating, cooking, air conditioning and refrigeration equipment classified in divi-

sions 1, 2, and 3). (For light bulbs, see G54 in "Form of Heat Energy.")

- F41. Fixed wiring
Includes power lines, junction boxes, cables, wiring in raceways.
- F42. Transformer and associated overcurrent and disconnect equipment.
- F43. Power switchgear and overcurrent protection devices.
- F44. Panelboard or switchboard
Includes fuses, circuit breakers
- F45. Switch, receptacle, outlet
- F46. Lighting fixture, lamp holder or sign
- F47. Cord, plug
Includes "temporary," extension, appliance cord or plug.
- F49. Electrical distribution equipment; not elsewhere classified, specify in detail
- F40. Electrical distribution equipment; insufficient information given to classify further

F5. Electrical Appliances and Equipment (other than elsewhere classified in this chapter.)

- F51. Television, radio phonograph
Includes tape recorders, sound or picture receiving equipment or reproduction equipment.
- F52. Dryer
Includes coin operated; removing any liquids, solvents, etc.
- F53. Washing machine
Includes laundry, coin operated
- F54. Electric blanket
Includes hot pad, heating pad.
- F55. Iron
Includes soldering, pressing, ironing machine
- F56. Floor care equipment
Includes vacuum cleaners; excluding "ride on" type which are classified as Industrial Truck in section 86.
- F57. Separate motor and generator
Includes those not an integral part of an appliance and those separated by a belt or chain from the equipment they drive.
- F58. Hand tools, misc. electric
- F59. Appliance, equipment; not elsewhere classified, specify in detail
- F50. Appliance, equipment; insufficient information given to classify further

F6. Special Equipment

- F61. Electronic Equipment
Includes radar X-ray, computer, telephone, transmitter.
- F62. Vending machine or drinking fountain
- F63. Office machine (specify type)
- F64. Biomedical equipment or device
Includes anesthetizing machine
- F65. Separate pump or compressor
- F66. Internal combustion engine
- F67. Conveyor
- F68. Printing press
- F69. Special equipment, not elsewhere classified, specify in detail
- F60. Special equipment, insufficient information given to classify further

F7. Processing Equipment

- F71. Furnace, oven or kiln
Excludes those used for food preparation or heat treating.
- F72. Casting, molding, forging equipment
Includes glass forming, die casting.
- F73. Heat treating equipment
Includes quench tanks, and associated equipment
- F74. Working, shaping machine
Includes sawing, planing, grinding, machining, forming, opening, picking, carding, weaving.
- F75. Coating machine
Includes asphalt saturating, rubber spreading.
- F76. Painting equipment
Includes dipping, spraying, flow-coating equipment.
- F77. Chemical process equipment
Includes digester, reactor, black liquor recovery, distilling.
- F78. Waste recovery equipment
Includes garnetting, solvent recovery.
- F79. Processing equipment; not elsewhere classified, specify in detail
- F70. Processing equipment; insufficient information given to classify further

F8. Service and Maintenance Equipment

- F81. Incinerator
- F82. Bearing or brake
- F83. Rectifier, charger
Includes inverter, battery.

- F84. Tarpot tar kettle
- F85. Arc or oil lamp
Includes gas mantle, arc-lighted motion picture projector.
- F86. Vehicle
- F87. Elevator
- F89. Service and maintenance equipment; not elsewhere classified, specify in detail
- F80. Service and maintenance equipment; insufficient information given to classify further

F9. Other Object, Exposure Fire

- F91. Separate; removed object
Ignition of a building separated from the fire by a distance of at least 50 feet.
- F92. Separate; detached object
Ignition of a building separated from the fire by a distance of more than one foot but less than 50 feet.
- F93. Separate; adjoining object
Ignition of a building separated from the fire by a distance of less than one foot, or by an unpierced wall.
- F94. Communicating; protected object
Ignition of a building communicating with another, but separated by pierced fire walls or rated fire cutoffs and with all common fire wall openings protected by standard installation of fire doors, and cutoffs.
- F95. Communicating; unprotected object
Ignition of a building, adjoining another building, not meeting the above definitions, and separated by pierced walls of substandard type or without standard protection of openings.
- F98. "Form of Heat Energy" are combined — use "Form of Heat Energy" for identification, i.e., cigarette, cutting torch, etc. (chapter G)
- F99. Other object; exposure fire, not elsewhere classified, specify in detail
- F90. Other object; exposure fire, insufficient information given to classify further

Chapter G. Form of Heat of Ignition

The form of heat energy identifies the fuel or nature of heat energy of the source of ignition. For some purposes it may be enough to know that the source of ignition is a water heater (F12), but for more understanding it is desirable to state whether the water was heated by gas (G11 or 12) or by electricity (one of the G2's). The difference between G11 and G12, incidentally, is whether or not the material first ignited (Chapters H and I) was outside or inside the equipment at the time of ignition. Use G11 where the material was outside the equipment. Use G12 where there was an internal explosion or puff prior to ignition of any material outside.

G1. Heat From Fuel-Fired or Fuel-Powered Object

- G11. Spark, ember or flame escaping from gas fueled equipment
- G12. Heat from gas fueled equipment
Includes pilot light or normal flame
- G13. Spark, ember or flame escaping from liquid fueled equipment
- G14. Heat from liquid fueled equipment
Includes pilot light or normal flame
- G15. Spark, ember or flame escaping from solid fueled equipment
- G16. Heat from solid fueled equipment
- G17. Spark, ember or flame escaping from equipment — fuel not known
- G18. Heat from equipment — fuel not known
- G19. Heat from fuel fired or fuel powered object; not elsewhere classified, specify in detail
- G10. Heat from fuel fired or fuel powered object; insufficient information given to classify further

G2. Heat From Electrical Equipment Arcing or Overloaded

- G21. Short circuit arc, water caused
- G22. Short circuit arc, mechanical damage
- G23. Short circuit arc, defective or worn insulation
- G24. Short circuit arc, unspecified
- G25. Arc from faulty contact, loose connection, broken conductor
- G26. Arc or spark from operating equipment or switch
- G27. Heat from overloaded equipment
Includes wire, motor.
- G28. Fluorescent light ballast
- G29. Heat from electrical equipment arcing or overloaded;

not elsewhere classified, specify in detail (See No. 56 for Heat From Electrically Powered Object Not Overloaded)

- G20. Heat from electrical equipment arcing or overloaded; insufficient information given to classify further

G3. Heat From Smoking Material in Use or After Use. (See division G4 for Matches or Lighters)

- G31. Cigarette
G32. Cigar
G33. Pipe
G39. Heat from smoking material; not elsewhere classified, specify in detail
G30. Heat from smoking material; insufficient information given to classify further

G4. Heat From Miscellaneous or Open Flame or Spark

- G41. Cutting torch operation (separating metals)
G42. Welding torch operation (joining metals)
G43. Torch operation, other than cutting and welding
Includes plumbers furnace, blow torch, plumbers torch, bunsen burner, soldering and heating operations, paint stripping torch, and other torch operations.
G44. Candle, taper
G45. Match
G46. Lighter
G47. Open fire
Includes campfire, bonfire, warning flare, rubbish fire, open trash burner, open incinerator, outdoor fireplace.
G48. Backfire from internal combustion engine
G49. Heat from open flame or spark; not elsewhere classified, specify in detail
G40. Heat from open flame or spark; insufficient information given to classify further

G5. Heat From Hot Object

- G51. Heat or spark from friction
Includes tire overheated
G52. Molten or hot material
Includes molten metal, hot forging, hot casting
G53. Hot ember or ash
G54. Light bulb
G55. Rekindle, reignition
G56. Heat from properly operating electrical equipment

- G59. Heat from hot object; not elsewhere classified, specify in detail
- G50. Heat from hot object; insufficient information given to classify further

G6. Heat from Explosives, Fireworks

- G61. Explosives
Includes bomb, ammunition, military rocket
- G62. Blasting agent
- G63. Fireworks
Includes sparkler
- G64. Paper cap, party popper
- G65. Model rocket, not amateur rocketry
- G69. Heat from explosives, fireworks; not elsewhere classified, specify in detail
- G60. Heat from explosives, fireworks; insufficient information given to classify further

G7. Heat From Natural Source

- G71. Sun's heat
Usually magnified through broken glass, or glass bottle
- G72. Spontaneous ignition
Includes pyrophoric or hypergolic ignition and chemical reaction
- G73. Lightning discharge
- G74. Static discharge
- G79. Heat from natural sources; not elsewhere classified, specify in detail
- G70. Heat from natural sources; insufficient information given to classify further

G8. Heat Spreading From Another Hostile Fire (Exposure)

- G81. Heat from direct flame or convection currents
- G82. Radiated heat
- G83. Heat from flying brand, ember or spark
- G84. Conducted heat
- G89. Heat spreading from another hostile fire; not elsewhere classified, specify in detail
- G80. Heat spreading from another hostile fire; insufficient information given to classify further

Chapter H. Type of Material Ignited

Whereas Chapters F and G describe the ignition source, Chapters H and I describe the Material Ignited. The material ignited is a mixture of a certain fuel with air, compressed air, or oxygen. It is assumed that the mixture is with air at normal atmospheric pressure unless the area of origin (Chapter E) has either a pressurized atmosphere, E67, or an enriched, oxygen atmosphere, E68.

In Chapter H the type of fuel is considered: primarily whether the fuel is a gas, liquid, or solid: and secondarily what type of solid. The form of the fuel, that is its physical characteristics and use, is considered in Chapter I. In our example in Chapter G of a fire starting at a water heater, let us assume that gasoline fumes entered the combustion chamber, being ignited explosively at the gas pilot light. The complete ignition classification would then be: F12, G12, H23, I86, J41, assuming that the gasoline had been spilled accidentally from a container in the vicinity of the heater.

H1. Gas

- H11. Natural gas
- H12. LP-City Gas (LP and air mix)
- H13. Manufactured gas
- H14. LP-Gas
- H15. Anesthetic gas
- H16. Acetylene
- H17. Specialty gas — other than anesthetic
- H19. Gas; not elsewhere classified, specify in detail
- H10. Gas; insufficient information given to classify further

H2. Flammable or Combustible Liquid

- H21. High volatile flammable liquid, Class 1A
Flashpoint less than 73°F; boiling point less than 100°F
- H22. Gasoline type of flammable liquid, Class 1B
Flashpoint less than 73°F; boiling point 100°F or above
- H23. Gasoline
- H24. Intermediate type flammable liquid, Class 1C
Flashpoint 73°F or above, but less than 100°F
- H25. Kerosene type flammable liquid, Class II
Flashpoint 100°F or above, but less than 140°F
- H26. Heavy fuel oil type combustible liquid, Class III A
Flashpoint 140°F or above, but less than 200°F
- H27. Lubricating oil type combustible liquid, Class III B
Flashpoint 200°F or above

- H29. Flammable or combustible liquid, unlisted, specify in detail
- H20. Flammable or combustible liquid, insufficient information given to classify further.

Classification information given in NFPA Standard No. 321 and 325M. The index to this section classifies many of the more common materials.

H3. Volatile Solid (material with a melting point between 100°F and 250°F)

- H31. Fat or grease (food)
Includes butter, tallow, margarine, lard
- H32. Grease — (non-food)
Includes Petroleum jelly
- H33. Polish
Includes paraffin, wax
- H34. Adhesive
Includes glue, gelatin
- H35. Resin
Includes rosin, damas, elemi, kauri
- H36. Tar, asphalt, pitch
- H39. Volatile solid; not elsewhere classified, specify in detail
- H30. Volatile solid; insufficient information given to classify further

H4. Chemical, Metal, Plastic, Applied Paint

- H41. Solid chemical (specify type)
(use "Flammable or Combustible Liquid" for liquid chemical, use "Gas" for gaseous chemical)
- H42. Magnesium
- H43. Titanium, zirconium
- H44. Other metal (specify type)
- H45. Plastic (specify type — if known)
- H46. Paint, varnish — applied
- H47. Radioactive material
- H48. Explosives
- H49. Chemical, metal, plastic, applied paint; not elsewhere classified, specify in detail
- H40. Chemical, metal, plastic, applied paint; insufficient information given to classify further

H5. Natural Product

- H51. Rubber
Includes synthetic rubber
- H52. Cork

- H53. Leather
- H54. Grass, leaves, hay and straw
- H55. Grain, natural fiber (pre-process)
Includes feathers, felt kapok, hessian, hemp, sisal, jute, cocofilm, flax, cotton, etc.
- H56. Coal, coke, briquettes, peat
- H57. Food
- H58. Tobacco
- H59. Natural product; not elsewhere classified, specify in detail
- H50. Natural product; insufficient information given to classify further

H6. Wood, Paper

- H61. Wood, growing
- H62. Wood, felled, but unsawn
- H63. Wood sawn
Includes all finished lumber
- H64. Wood shavings
Includes sawdust, excelsior
- H65. Hardboard, plywood
- H66. Fiberboard (low density material), wood pulp
Includes beaverboard
- H67. Paper (for waxed paper see No. 83)
- H68. Cardboard
- H69. Wood, paper; not elsewhere classified, specify in detail
- H60. Wood, paper; insufficient information given to classify further

H7. Fabric, Textile, Fur (Classify by predominant type of material)

- H71. Synthetic fabric, fiber, finished goods
- H72. Cotton or rayon — cotton fabric or finished goods
- H73. Wool or wool mixture fabric or finished goods
- H74. Fur, silk, or other fabric or finished goods
- H75. Human hair, wig, not on person
- H76. Hair or wig on person
- H79. Fabric, textile, fur; not elsewhere classified, specify in detail
- H70. Fabric, textile, fur; insufficient information given to classify further

H8. Material Compounded With Oil

- H81. Linoleum
- H82. Oil cloth
- H83. Treated and/or coated paper
Includes waxed paper

- H84. Tarpaulin
Includes tents
- H85. Oily rags
Includes waste impregnated with oil
- H86. Asphalt siding and roofing
- H89. Material compounded with oil; not elsewhere classified, specify in detail
- H80. Material compounded with oil; insufficient information given to classify further

H9. Type of Material Ignited — Other or Undetermined

- H98. Type of material ignited — not applicable
- H99. Type of material ignited; not elsewhere classified, specify
- H90. Type of material ignited; insufficient information given to classify further

Chapter I. Form of Material Ignited

The form of material ignited is the shape and use of the material — what it is as used by human beings, apart from what it is made of. Wood shingles, for instance, would be described by the use of the code H63 for sawn or split wood and I11 for roof covering. Plastic electrical insulation would be described by the two codes H45 and I61.

I1. Structural Component or Finish

- I11. Roof covering, surface or finish (exterior)
- I12. Exterior sidewall covering, surface or finish
Includes eave
- I13. Exterior trim and appurtenances
Includes door, porch, platform
- I14. Floor covering, surface
Includes carpet, rug, flooring, stair
- I15. Interior wall covering, surface (items permanently affixed to wall and door surface)
Includes cloth (for curtain, drapery, see 36)
- I16. Ceiling covering, surface
Includes cloth permanently affixed to ceiling, acoustical tile
- I17. Structural member or framing
- I18. Insulation, thermal and acoustical (within wall, partition or floor/ceiling space)
- I19. Structural component and finish; not elsewhere classified, specify in detail

- I10. Structural component and finish; insufficient information given to classify further

I2. Furniture (includes built-in)

- I21. Upholstered sofa, chair
- I22. Not-upholstered chair, bench
- I23. Cabinetry
Includes filing cabinet, piano, organ, dresser, chest of drawers, cabinet, desk, table, bookcase
- I24. Ironing board
- I29. Furniture; not elsewhere classified, specify in detail
- I20. Furniture; insufficient information given to classify further

I3. Soft Goods and Wearing Apparel

- I31. Mattress, pillow
- I32. Bedding, blanket, sheet, comforter
Includes heating pad.
- I33. Linen, other than bedding
Includes towel, tablecloth
- I34. Wearing apparel, not on a person
- I35. Wearing apparel, on a person
- I36. Curtain, blind, drapery
Includes tapestry
- I37. Goods — not made up
Includes fabric, yard goods
- I38. Luggage
- I39. Soft goods and wearing apparel; not elsewhere classified, specify in detail
- I30. Soft goods and wearing apparel; insufficient information given to classify further

I4. Adornment, Recreational Material

- I41. Christmas tree
- I42. Decoration for special event
- I43. Book
- I44. Magazine, newspaper, writing paper
Includes files
- I45. Toy, game
- I49. Adornment; recreational material; not elsewhere classified, specify in detail
- I40. Adornment, recreational material; insufficient information given to classify further

I5. Supplies or Stock

- I51. Box, carton, bag
- I52. Basket, barrel
- I53. Pallet, skid
- I54. Rope, cord, twine, yarn
- I55. Packing, wrapping material
- I56. Bale storage
- I57. Bulk storage
- I58. Cleaning supplies
Includes broom, brush, mop, cleaning cloth
- I59. Supplies or stock; not elsewhere classified, specify in detail
- I50. Supplies or stock; insufficient information given to classify further

I6. Power Transfer Equipment, Fuel

- I61. Electrical insulation
- I62. Transformer oil
- I63. Conveyor belt, drive belt
- I64. Tire
- I65. Fuel
- I69. Power transfer equipment, fuel; not elsewhere classified, specify in detail
- I60. Power transfer equipment, fuel; insufficient information given to classify further

I7. Other Material

- I71. Agricultural product
- I72. Fence, pole
- I73. Fertilizer
- I74. Pyrotechnics, explosives
- I75. Tarpaulin, canvas
Includes tent, awning
- I76. Natural form
Includes forest or brush fire
- I79. Other material; not elsewhere classified, specify in detail
- I70. Other material; insufficient information given to classify further

I8. Special Form (not elsewhere classified)

- I81. Dust
- I82. Fibers
- I83. Atomized liquid
- I84. Chips

- I85. Palletized material
- I86. Gas or liquid escaping or spilled from pipe or container
- I87. Rolled material
Includes rolled paper

Chapter J. Act or Omission

The act or lack of action on the part of a person or group of persons which provides the conditions ripe for fire is covered by this chapter. It is considered just to hold people responsible not only for their deliberate incendiary acts, but also for their misuse or neglect of equipment and personal goods.

More remote is failure to design, construct, or install safely; but as courts have held that actions for recovery may sometimes be based on such failures, they are included here as proper factors to consider in describing the background of a fire with respect to the human element.

J1. Incendiary Act

Physical evidence indicates that fire was deliberately or maliciously set

- J11. Incendiary act, not during civil disturbance
- J12. Incendiary act, during civil disturbance

J2. Suspicious Act

Circumstances indicate possibility of a deliberate fire.

- J21. Suspicious act, not during civil disturbance
- J22. Suspicious act, during civil disturbance

J3. Misuse of Heat of Ignition

- J31. Abandoned or discarded material; cigarette, cigar, etc.
- J32. Thawing
- J33. Falling asleep or suffering mental lapse, a physical handicap, or drug induced stupor including alcoholism
- J34. Inadequate control of open fire, including smoking out animal
- J35. Cutting or welding too close to
- J36. Children with or child playing
- J39. Misuse of heat of ignition; not elsewhere classified, specify in detail
- J30. Misuse of heat of ignition; insufficient information given to classify further

J4. Misuse of Material Ignited

- J41. Fuel spilled accidentally
- J42. Improper fueling technique
- J43. Flammable liquid used to kindle fire
- J44. Washing part, cleaning
- J45. Improper container
- J46. Combustible placed too close to heat
- J47. Improper storage
- J48. Children with or child playing
- J49. Misuse of material ignited; not elsewhere classified, specify in detail
- J40. Misuse of material ignited; insufficient information given to classify further

J5. Mechanical Failure or Malfunction

- J51. Part failure — leak, break, etc.
- J52. Automatic control failure
- J53. Manual control failure
- J54. Short circuit
- J55. Lack of maintenance, worn out
- J59. Mechanical failure, malfunction; not elsewhere classified, specify in detail
- J50. Mechanical failure, malfunction; insufficient information given to classify further

J6. Construction, Design, or Installation Deficiency

- J61. Design deficiency
- J62. Construction deficiency
- J63. Installed too close to combustibles
- J64. Other installation deficiency
- J69. Construction, design, or installation deficiency; not elsewhere classified, specify in detail
- J60. Construction, design, or installation deficiency; insufficient information to classify further

J9. Other Act or Omission

- J99. Act or omission not elsewhere classified, specify in detail
Includes exposure fire, vehicle crash fire
- J90. Act or omission; insufficient information to classify further

Chapter K. The Fire Report

On this chapter the attempt is made to identify the incident by time, by type of alarm, by type of situation found, by type of action taken, by floor of origin, and by occupant. Identification by place may be taken from Chapters C & E by occupancy from Chapter B, and by ignition characteristics (if there was a fire) from Chapter F through J. It would be of educational value, as a *post mortem*, to determine what influence the various factors in Chapter D had on the course of the fire.

KA. Incident Number

The incident number may be denoted in many ways, but one way which would help state and federal authorities greatly in identifying the incident, knowing the location, would be to number the incidents consecutively on receipt and, in addition, code the time. A suggested time code is:

KA First two digits	Hour by 24-hour clock, 5 pm being coded 17 and 5:01 being coded 18
KA 3rd digit	Day of week (Sunday = 1)
KA 4th & 5th digits	Day of month
KA 6th & 7th digits	Month of year
KA 8th & 9th digits	Year of century

For example: alarm 16174 for the year received after 5:00 pm, Tuesday, April 6, 1966 would be: 16174-18-306-0466.

KB. Transmission of Alarm

- KB1. Telephone
- KB2. Municipal Fire Alarm System
Includes telegraph, telephone, and radio types and auxiliary connection to them.
- KB3. Private Fire Alarm System
Includes central station and remote station
- KB4. Radio
Includes a fire reported from a vehicle on fire or police department frequency
- KB5. Direct Report to a Fire Station (verbal)
Includes a fire seen from or reported to a fire station
- KB6. Delayed Notification — no response
Reported to or observed by fire department personnel after extinguished and cold

KB9. Not otherwise classified — specify in detail

KB0. Unable to classify

NOTE: For a local fire alarm system where passer-by reports ringing bell by phone — classify as telephone.

KB. Type of Situation Found

KC1. Fire or explosion

KC2. Overpressure rupture (no combustion)

KC3. Rescue

Includes accident, first-aid calls, inhalator call, etc.

KC4. Hazardous condition

Includes potential accident, gas leak, gasoline spill, power lines down, radiation leak, actual bomb removed, or other hazard.

KC5. Public Service call

Includes citizen locked out, child locked in bathroom, water leak, etc.

KC6. Alarm, no fire

Includes smoke scare, accidental alarm, fumigation "smoke," etc.

KC7. False alarm, malicious

Includes bomb scare (no bomb.)

KC8. Additional equipment summoned

Includes all multi-alarm fires.

KC9. Other (specify)

KC0. Unable to classify

If more than one item applies — pick top applicable item on list.

KD. Type of Action Taken

KD1. Extinguishment

Includes whatever other action has to be taken, such as rescue, ventilation, and overhaul

KD2. Rescue only, no ambulance service

Includes first aid, inhalator use, etc.

KD3. Investigation only

KD4. Remove hazard

Includes washing down spill, shutting off utilities, etc.

KD5. Standby

KD6. Salvage

KD7. Ambulance service

KD9. Other (specify)

KD0. Unable to classify

KE. Level of Origin

Code Number	Building	Not a Building
KE1.	Ground floor, grade level	grade—to 9 ft. above grade
KE2.	Second floor, above ground floor	10-19 ft. above grade
KE3.	Third floor	20-29 ft. above grade
KE4.	Fourth-fifth floor	30-49 ft. above grade
KE5.	Sixth-eighth floor	50-99 ft. above grade
KE6.	Ninth floor and over	100 ft. above grade and up
KE7.	Roof level Includes concealed roof space, attic	Airborne or space objects in flight
KE8.	Basement, sub-basement	Below ground level, under water
KE9.	Not elsewhere classified — specify in detail	
KE0.	Not Determined	

In structures where floors are odd heights or there are no floors, such as a grain elevator, use “not a Building” column.

KF. Occupant of area of origin

- KF1. Owner
- KF2. Employee and/or customer
- KF3. Lessee, renter, guest
- KF4. Maintenance staff for repair, renovation
- KF5. Contractor on premises
- KF6. Trespasser
- KF7. Not occupied
- KF9. Not elsewhere classified — specify in detail
- KF0. Not reported — unable to determine

Chapter L. Fire Casualties, Loss, Manpower Used

This chapter is divided into five sections, as follows:

- Section A Casualty Listing
- Section B Dollar Loss Classification
- Section C Extent of Fire Damage
- Section D Lost Time of Business
- Section E Manpower Used by Fire Department

Except for Section E, the coding in Chapter L might well be restricted to those fires where there are casualties or dollar loss

above a certain significant amount. Fire departments may desire to use Section E, however, on less destructive fires.

Three types of fires or explosions are so important that they should automatically be scheduled for a complete investigation and detailed narrative report on the essential details. They are:

1. Those killing 3 or more persons
2. Those causing \$250,000 loss or more
3. Those involving 10 or more buildings

A copy of these "large loss" reports should automatically and promptly be filed with the NFPA Fire Record Department.

Special study is recommended of:

1. all fatal fires
2. all fires spreading beyond building of origin

LA. Casualty Listing

- LA1. Number of persons made homeless by fire
- LA2. Number of persons who could not reside in their buildings or beds the night after the fire
- LA3. Number of persons injured, fire service
- LA4. Number of persons killed, fire service
- LA5. Number of persons injured, civilian
- LA6. Number of persons killed, civilian

LB. Dollar Loss Classification

- LB0. No dollar loss
- LB1. 1-99 dollars
- LB2. 100-999 dollars
- LB3. 1,000-9,999 dollars
- LB4. 10,000-24,999 dollars
- LB5. 25,000-49,999 dollars
- LB6. 50,000-249,999 dollars
- LB7. 250,000-999,999 dollars
- LB8. 1,000,000 dollars or over
- LB9. Undetermined

Check proper box

Estimate on a replacement in like kind and quality basis

Estimate total physical direct loss—loss to contents, structure, etc.

LC. Extent of Fire Damage

- LC1. Fire damage confined to origin
- LC2. Fire damage confined to one floor

- LC3. Fire damage confined to building
- LC4. Fire damage spread beyond building
- LC5. Fire, smoke, and water damage confined to origin
- LC6. Fire, smoke, and water damage confined to one floor
- LC7. Fire, smoke, and water damage confined to building
- LC8. Fire, smoke, and water damage spread beyond building
- LC9. Not elsewhere classified
- LC0. Not reported

NOTE: Two check marks required: one for fire and one for smoke and water.

LD. Lost Time of Business

If a business cannot resume its operation at the normal time, the first working day following the fire, then it has "lost time." The lost time is measured in whole days, and may be estimated.

- LD1. 1 day
- LD2. 2 days
- LD3. 3 days
- LD4. 4-7 days
- LD5. 8-29 days
- LD6. 30-89 days
- LD7. 90 days or more
- LD8. Not expected to resume at this location
- LD0. Not reported

LE. Manpower Used

Multiply number of men by number of hours out of fire headquarters on each alarm, and accumulate.

- LE1. Less than 0.5 manhours
- LE2. 0.5-0.9 manhours
- LE3. 1.0-2.9 manhours
- LE4. 3.0-9.9 manhours
- LE5. 10.0-23.9 manhours
- LE6. 24.0-47.9 manhours
- LE7. 48.0-71.9 manhours
- LE8. 72.0 and over manhours
- LE9. Manpower Miscellaneous
- LE0. Unable to classify

APPENDIX A

The following system for property use classification is the basis for the code numbers presented in Chapters A and B. Those who wish to find the code number quickly for a single occupancy might best use the alphabetical lists in Chapters A and B. If they wish to know the logical background for the numbers, they might well refer to this Appendix.

1. PUBLIC ASSEMBLY

Places for the congregation or gathering of groups of persons for amusement, recreation, social, religious, patriotic, civic, travel and similar purposes are known as public assembly properties. Such properties are characterized by the presence or potential presence of crowds, with attendant panic hazard in case of fire or other emergency. They are generally open to the public, or may, on occasions, be open to the public. The occupants are present voluntarily, and are not ordinarily subject to discipline or control. They are generally able-bodied persons, who do not intend to sleep on the premises.

11. Amusement and Recreation Places — Fixed Use

- 111. Bowling establishment
- 112. Billiard center
Includes pool center, pool hall
- 113. Amusement center
Amusement hall, such as shooting gallery, penny arcade, bingo hall, dance studio and the like, except bowling establishment and billiard center.
- 114. Ice rink
Includes establishments solely used for ice skating, ice hockey and curling. Ice rinks in arenas and other places that can be converted to other uses are classified in Division 12.
- 115. Roller rink
- 116. Swimming facility
Includes related cabana, bathhouse, or equipment location.
- 119. Amusement and Recreation Places — Fixed Use; not elsewhere classified, specify in detail.
- 110. Amusement and Recreation Places — Fixed Use; insufficient information given to classify further.

12. Amusement and Recreation Places — Variable Use

- 121. Ballroom, gymnasium
Includes dance hall
- 122. Exhibition hall, exposition hall
Large open hall without fixed seating facilities: including college "cage," armory hall, field house, exhibition and exposition hall.
- 123. Arena, stadium
Fixed seating in large areas, such as arena, sports garden, ball park, stadium, race track, and grandstands.
- 129. Amusement and Recreation Places — Variable Use; not elsewhere classified, specify in detail.
- 120. Amusement and Recreation Places — Variable Use; insufficient information given to classify further.

13. Churches, Funeral Parlors

- 131. Church, chapel
- 132. Religious education facility
Facilities for use in periodic religious education, such as Sunday school. Excluded are regular educational buildings run by religious institutions which are classified in Major Division 2.
- 133. Church hall
Hall for fellowship, meetings, etc.; including office, kitchen and classroom contained within the structure.
- 134. Funeral parlor or chapel
Includes crematory, funeral home
- 139. Churches, Funeral Parlors; not elsewhere classified, specify in detail.
- 130. Churches, Funeral Parlors; insufficient information given to classify further.

14. Clubs

- 141. City club
Included are city club facilities without sleeping accommodations, such as athletic, lodge, social, steam bathing, health, swimming, boys and YMCA. If sleeping accommodations are present, classify in Division 42 or 44. Night-clubs are classified in Subdivision 162.
- 142. Country club
Included are country club facilities, such as golf, tennis, rifle, hunting, fishing, beach and riding clubs.
- 143. Yacht club
Included are boating and yacht club facilities. Excluded

are marinas and boat mooring; boat repair; and marine refueling facilities classified in Subdivisions 885, 782 and 577 respectively.

- 149. Clubs; not elsewhere classified, specify in detail.
- 140. Clubs; insufficient information given to classify further.

15. Libraries, Museums, Court Rooms

- 151. Library
- 152. Museum, art gallery
- 153. Historic building
- 154. Memorial structure, monument
- 155. Court room
- 156. Legislative hall
- 159. Libraries, Museums, Court Rooms; not elsewhere classified, specify in detail.
- 150. Libraries, Museums, Court Rooms; insufficient information given to classify further.

16. Eating, Drinking Places

Included are retail establishments, selling prepared foods and drinks.

- 161. Restaurant
Those eating places specializing in food primarily for consumption on the premises. Included are cafeterias and diners, with table or automatic service.
- 162. Nightclub
Those places specializing in food and drink. They may have dancing or entertainment. Key clubs and supper clubs are included.
- 163. Tavern
Those places specializing in the sale of alcoholic beverages, consumption primarily on premises, with food as a minor supplement only.
- 164. Lunchroom, drive-in
Those places specializing in quick service for food or beverages, such as lunch counters, drive-ins and the like. Excluded are delicatessens classified in Subdivision 516.
- 169. Eating, Drinking Places; not elsewhere classified, specify in detail.
- 160. Eating, Drinking Places; insufficient information given to classify further.

17. Passenger Terminals

Includes incidental freight handling.

- 171. Airport passenger terminal
- 172. Heliport, helistop
- 173. Bus passenger terminal
Includes terminals for airline limousines and downtown air-line terminal buildings.
- 174. Street level rail terminal
- 175. Underground rail terminal
- 176. Elevated rail terminal
- 177. Marine passenger terminal
Including ferry terminal
- 179. Passenger Terminals; not elsewhere classified, specify in detail.
- 170. Passenger Terminals; insufficient information given to classify further.

18. Theaters, Studios

- 181. Legitimate theater
Including combined live and movie.
- 182. Auditorium
- 183. Motion-picture theater
Excluding drive-in theaters which are classified in Sub-division 184.
- 184. Drive-in motion-picture theater
- 185. Radio, TV studio
- 186. Motion-picture studio
Includes motion-picture art, such as studios, and editing. Film processing is classified in Subdivision 797.
- 189. Theaters, Studios; not elsewhere classified, specify in detail.
- 180. Theaters, Studios; insufficient information given to classify further.

10. Public Assembly Property: unclassified

- 109. Public Assembly Property; not elsewhere classified, specify in detail.
- 100. Public Assembly Property; insufficient information given to classify further.

2. EDUCATION

Educational properties are those used for the gathering of groups of persons for purposes of instruction such as schools, colleges, uni-

versities, academies. Educational properties are distinguished from public assembly properties in that the same occupants are present regularly and they are subject to discipline and control. Educational properties include: part-day nursery schools, kindergartens and other schools whose primary purpose is education.

Other properties associated with educational institutions are classified in accordance with their actual use.

21. Schools, Nonresidential

All schools; public, private or parochial, where students attend during the day only.

- 211. Nursery school
Schools for prekindergarten-age children, operating 4 hours a day or less. If operating over 4 hours, classify in Subdivision 321, day care.
- 212. Kindergarten
Schools for children the grade before grade I.
- 213. Elementary school
- 214. Junior high, intermediate school
- 215. High school
- 219. Schools, Nonresidential; not elsewhere classified, specify in detail.
- 210. Schools, Nonresidential; insufficient information given to classify further.

22. Schools, Residential

All boarding schools; public, private, or parochial, includes such day student facilities as may be present.

- 221. Residential school classroom building
Buildings containing classrooms. Included are such laboratories, libraries and offices as may be present. If one building houses the entire school, the fire is classified by point of origin, that is, dormitory, office, etc. Other buildings in a school classified under the appropriate heading.
- 229. Schools, Residential; not elsewhere classified, specify in detail.
- 220. Schools, Residential; insufficient information given to classify further.

23. Trade, Business Schools

Other than high school, college.

- 231. Vocational school

- 232. Business school
- 233. Specialty school
- 234. Rehabilitation center (attendance by choice). See Sub-division 346 if attendance is by direction.
- 239. Trade, Business Schools; not elsewhere classified, specify in detail.
- 230. Trade, Business Schools; insufficient information given to classify further.

24. Colleges, Universities

- 241. Junior college classroom building
Buildings containing classrooms. Included are such incidental laboratories, libraries and offices as may be present. If one building houses the entire college, classify as 241. Other buildings in a college are classified under the appropriate heading according to use, as dormitory, office, etc.
- 242. College, university classroom building
Buildings containing classrooms. Included are such incidental laboratories, libraries and offices as may be present. If one building houses the entire college, classify as 242. Other buildings in a college are classified under the appropriate heading according to use, as a dormitory, office, etc.
- 249. Colleges, Universities; not elsewhere classified, specify in detail.
- 240. Colleges, Universities; insufficient information given to classify further.

20. Educational Property; unclassified

- 209. Educational Property; not elsewhere classified, specify in detail.
- 200. Educational Property; insufficient information given to classify further.

3. INSTITUTION

Institutional properties are those used for purposes such as medical or other treatment or care of persons suffering from physical or mental illness, disease or infirmity, for the care of infants, convalescents or aged persons, and for penal or corrective purposes. Institutional buildings ordinarily provide sleeping facilities for the occupants.

31. Care of the Aged

Care of the aged in any type of structure regardless of the name or of the title on the license. See Subdivision 332 for sanatariums.

- 311. Care of the aged; with nursing staff
- 312. Care of the aged; without nursing staff
- 319. Care of the Aged; not elsewhere classified, specify in detail.
- 310. Care of the Aged; insufficient information given to classify further.

32. Care of the Young

- 321. Day child-care center
Care of preschool-age children operating more than 4 hours a day. If operating 4 hours or less a day, classify in Subdivision 211, Nursery schools.
- 322. Children's home, orphanage
- 329. Care of the Young; not elsewhere classified, specify in detail.
- 320. Care of the Young; insufficient information given to classify further.

33. Care of the Handicapped, Sick, or Injured

- 331. Hospital, hospital-type infirmary
- 332. Sanatorium, sanatarium
Includes care of post-operative patients, where care of aged is minor in proportion to other care.
- 333. Institution for deaf, dumb and blind
- 334. Clinic, clinic-type infirmary
Includes separate clinic buildings for maternity and other uses. Excluded are medical office buildings classified in Subdivision 593. Also excluded are out-patient clinics.
- 335. Mental institution
- 339. Care of the Handicapped, Sick, or Injured; not elsewhere classified, specify in detail.
- 330. Care of the Handicapped, Sick or Injured; insufficient information given to classify further.

34. Care of the Physically Restrained

- 341. Prison cell or cell block, men
- 342. Prison cell or cell block, women
- 343. Juvenile detention home
- 344. Men detention camp
Minimum security type

- 345. Police station
- 346. Vocational rehabilitation center
Attendance by direction
- 349. Care of the Physically Restrained; not elsewhere classified,
specify in detail.
- 340. Care of the Physically Restrained; insufficient information
given to classify further.

30. Institutional Property; unclassified

- 309. Institutional Property; not elsewhere classified, specify in
detail.
- 300. Institutional Property; insufficient information given to
classify further.

4. RESIDENCE

A residential property is one in which sleeping accommodations are provided for normal residential purposes, and includes all buildings designed to provide sleeping accommodations except those classified under Institutional.

Subdivisions in this category are divided according to life hazard potential. Names and legal definitions may be different from those given here. The categories here, however, have a significant difference from a fire and life protection standpoint.

CAUTION: Classify the property by its actual use according to the standard definitions given, not by what the property owner cares to call his building. Thus, a residential property called a "motel" on the sign over the door may not be a motel by these definitions. From a fire standpoint it may be a hotel, an apartment, or a rooming house, depending on the use.

41. Dwellings, One- and Two-Family

Private dwellings and duplexes each occupied by members of a single family group; with total sleeping accommodations for not more than 20 persons; with rooms rented to outsiders, if any, with a total of not more than three persons. If sleeping accommodations for more than 20 persons are provided in one building, it shall be subject to the requirements for apartments or dormitories. If a business or other occupancy is contained in the building, classify in Subdivision 421.

Parking garages for one- and two-family dwellings, whether attached or detached, are classified in Subdivision 881.

- 411. Dwelling; year-round use (one-family)
- 412. Dwelling; seasonal use, in season (one-family)

- 413. Dwelling; seasonal use, off season (one-family)
- 414. Dwelling; year-round use (two-family)
- 415. Dwelling; seasonal use, in season (two-family)
- 416. Dwelling; seasonal use, off season (two-family)
- 419. Dwelling, One- and Two-Family; not elsewhere classified; specify in detail.
- 410. Dwelling, One- and Two-Family; insufficient information given to classify further.

42. Apartments, Tenements, Flats

Buildings furnishing living quarters for families living independently of each other and with independent cooking facilities, whether designated as apartment house, tenement, garden apartment, or by any other name. So-called apartment hotels shall be classified as hotels (Division 44) because they are potentially subject to transient occupancy like that of hotels.

An essential difference between hotels and apartments lies in the fact that apartments are generally subject to continuing occupancy by the same persons for a sufficient length of time so that most occupants may be assumed to be familiar with the building and its exit facilities.

A 1- and 2-family dwelling in a building with a store, office, or other business is classified as an apartment in Subdivision 421.

Parking garages exclusively for tenants, whether attached or detached, are classified in Subdivision 881. Other parking garages are classified in Subdivision 882.

- 421. 1 or 2 units with business
- 422. 3 to 20 units with business
- 423. 3 to 20 units without business
- 424. Over 20 units with or without business
- 429. Apartments, Tenements, Flats; not elsewhere classified, specify in detail.
- 420. Apartments, Tenements, Flats; insufficient information given to classify further.

43. Rooming, Boarding, Lodging Houses

Buildings or groups of buildings under the same management in which separate sleeping rooms are rented; sleeping accommodations for a total of not more than 15 persons, on either a transient or permanent basis; with or without meals, but without separate cooking facilities for individual occupants. Where rooms are rented for not more than three persons, classify in Division 41.

- 431. 4 to 8 roomers, boarders
- 432. 9 to 15 roomers, boarders

- 439. Rooming, Boarding, Lodging Houses; not elsewhere classified, specify in detail.
- 430. Rooming, Boarding, Lodging Houses; insufficient information given to classify further.

44. Hotels, Inns, Lodges (interior entry only to individual units).

Buildings or groups of buildings under the same management in which there are sleeping accommodations for more than 15 persons for hire; primarily used by transients who are lodged with or without meals; whether designated as a hotel, inn, club, YMCA, motel, or by any other name. So-called apartment hotels shall be classified as hotels because they are potentially subject to transient occupancy like that of hotels. For buildings with exterior entry to individual units; and with a maximum of 4 stories, classify in Division 45. For 15 or less persons, classify in Division 43.

- 441. Year-round use
- 442. Seasonal use, in season
- 443. Seasonal use, off season
- 444. Transient dormitory type
- 449. Hotels, Inns, Lodges; not elsewhere classified, specify in detail.
- 440. Hotels, Inns, Lodges; insufficient information given to classify further.

45. Motor Hotels, Motels (direct exterior entry to individual units).

Buildings or groups of buildings, or 4 stories or less, with direct exterior entry to each unit, under the same management, primarily used by transients who are lodged with or without meals, whether designated as a hotel, inn, club, motel, tourist cabin, or by any other name.

If over 4 stories, classify in Division 44, regardless of means of entry or number of units.

- 451. Fewer than 3 units, including tourist cabins
- 452. 3 to 20 units
- 453. Over 20 units
- 459. Motor Hotels, Motels; not elsewhere classified, specify in detail.
- 450. Motor Hotels, Motels; insufficient information given to classify further.

46. Dormitories

Buildings where group sleeping accommodations are provided for an extended period for persons not members of the same family group in one room or in a series of closely associated rooms under joint occupancy and single management, with or without meals. Use Subdivision 444 for transient dormitory type.

- 461. School, college or university dormitory
- 462. Fraternity, sorority
- 463. Nurses' quarters
- 464. Military barracks
- 465. Convent, monastery or other religious dormitory
- 466. Bunk house or workers' barracks
- 469. Dormitories; not elsewhere classified, specify in detail.
- 460. Dormitories; insufficient information given to classify further.

47. Mobile Homes, Trailers

A *mobile home* is a portable structure built on a chassis and designed to be used as a permanent family unit. A *travel trailer* is a portable structure built on a chassis and designed to be used as a temporary family unit. A *camping trailer* is a collapsible portable structure built on a chassis and designed to be used as a temporary family unit. A *motor home* is a mobile family unit, permanent or temporary, containing its own motive power.

- 471. Mobile home
- 472. Travel trailer
- 473. Camping trailer
- 474. Motor home
- 475. House boat
- 479. Mobile Homes, Trailers; not elsewhere classified, specify in detail.
- 470. Mobile Homes, Trailers; insufficient information given to classify further.

49. Other Residential Occupancies

- 491. Children's playhouse
- 499. Other Residential Occupancies; not elsewhere classified, specify in detail.
- 490. Other Residential Occupancies; insufficient information given to classify further.

5. STORES AND OFFICES

Store properties include all markets and other rooms, buildings, or structures for the display, sale, repair or service of merchandise, new or used, purchased or rented. Mercantile or store properties generally have a capacity for a large number of people and usually have a display and sales area that is large in relation to the storage area.

Office properties are those which are principally used for the transaction of business and the keeping of records, private or public.

51. Food, Beverage Sales

Sale of food and beverage for consumption off the premises. The sale of food and drinks for consumption on the premises is classified in Division 16.

511. Supermarket

Supermarkets sell a broad line of food items as well as some nonfood items and cover over 10,000 square feet in their total area.

512. Market, grocery store

Markets and grocery stores sell a broad line of food items as well as some nonfood items and cover less than 10,000 square feet in total area.

513. Specialty food store

Specialty food stores specialize in a few basic food items and may have supplementary items for customer convenience. Included are meat, fish, candy, bakery, gourmet shops, and roadside farm produce stands and counters. Liquor, beverage stores; Creamery, dairy stores; and Delicatessens are excluded and classified in Subdivisions 514, 515, and 516 respectively.

514. Liquor, beverage store

515. Creamery, dairy store

Includes ice cream stores and stands whether quick-freeze or frozen.

516. Delicatessen

Sale of prepared foods mainly for consumption off the premises. Included is pickup or carry-out service. Excluded are drive-ins classified in Subdivision 164.

519. Food, Beverage Sales; not elsewhere classified, specify in detail.

510. Food, Beverage Sales; insufficient information given to classify further.

52. Textile, Wearing Apparel Sales

- 521. Clothing store
Sale of wearing apparel; new, used or clothing rental shops. Sales of accessories incidental to clothing sale included. Shoe stores and fur stores are classified in Subdivision 522 and 525, respectively.
- 522. Clothing accessories, shoe store
Shops specializing in clothing accessories, new used or rented; including ties, shoes, shirts, hats, etc.
- 523. Shoe repair shop
Repair of boots and shoes (cobbling). Included are repairers who also make footwear, shining stands and shops.
- 524. Tailor, dressmaking shop
Tailor and dressmaking shops including stores specializing in alterations to ready-made wear.
- 525. Fur store
Stores specializing in fur sales. Excluded are fur departments of stores with a broad line of goods and the storage of fur garments.
- 526. Dry goods store
Includes all sales of dry goods, yard goods, and piece goods. Excluded are clothing, clothing accessories and rug and carpet sales which are classified in Subdivisions 521, 522, and 536 respectively.
- 529. Textile, Wearing Apparel Sales; not elsewhere classified, specify in detail.
- 520. Textile, Wearing Apparel Sales; insufficient information given to classify further.

53. Household Goods Sales, Repairs

Sale of common items used principally to equip the home or for home maintenance.

- 531. Furniture store
Includes sales of all new and used furniture, office furniture and large nondesk-top type equipment, such as water coolers. Excluded are office supply and desk-top office equipment sales which are classified in Subdivision 541 and furniture departments of large multi-department stores which are classified in Subdivision 581.
- 532. Appliance store
Appliance stores include those stores principally selling major and minor appliances with or without associated repair departments. Appliance repair shops without sales are classified in Subdivision 538.

- 533. Hardware store
Included are sales of tools and associated equipment, parts and retail plumbing supplies.
- 534. Music store
Includes sale or rental of records, sheet music, pianos, organs and other instruments or associated listening and teaching facilities.
- 535. Wallpaper, paint store
Includes sale of wall coverings, decorating materials, and sale or rental of associated tools and equipment.
- 536. Rug, floor covering store
Includes sale or rental of rugs, carpets, and floor coverings or sale or rental of associated tools and equipment.
- 537. Furniture repair shop
Includes repair of furniture and upholstery without sales. If repair with sales, classify in Subdivision 531.
- 538. Appliance repair shop
Includes shops for repair of appliances without sales. If repair with sales, classify in Subdivision 532.
- 539. Household Goods Sales, Repairs; not elsewhere classified, specify in detail.
- 530. Household Goods Sales, Repairs; insufficient information given to classify further.

54. Specialty Shops

Sale of material commonly used in the home.

- 541. Book, stationery store
Includes new and used books, office supplies and desk-top office equipment. Excluded are sales of larger office equipment and office furniture, which is classified in Subdivision 531.
- 542. Newsstand or tobacco shop
- 543. Drug store
Usually has a pharmacist on duty.
Drug stores which are chiefly variety stores are classified in Subdivision 582 or 583.
- 544. Jewelry store
Includes jewelry and watch repair shops and associated gift sales.
- 545. Gift shop
Includes glassware, china, silver and other gift items; excludes jewelry and watch repair, which is classified in Subdivision 544.
- 546. Leather goods shop
Includes sale of leather goods and luggage of all types and

from all materials, excluding shoes, which are classified in Subdivision 522.

- 547. Florist shop, greenhouse
Florist shops and sale of flowers, artificial and natural, including greenhouses and flower raising.
- 548. Optical goods sales
Included are opticians, eyeglass fitting and grinding.
- 549. Specialty Shops; not elsewhere classified, specify in detail.
- 540. Specialty Shops; insufficient information given to classify further.

55. Recreation, Hobby, Home Repair, Supply Sales; Personal Service

Includes sale and processing of material used in hobbies, sports, and recreation activities, and personal service. For record shops use 534.

- 551. Hobby, toy shop
Includes sale of toys, and hobby supplies other than art supplies, sporting goods, and photographic goods, which are classified in Subdivisions 563, 552, and 553, respectively.
- 552. Sporting goods sales
Includes sale of firearms, ammunition, tents and other material for use in all sporting events except sportswear shops, which are classified in Subdivision 521.
- 553. Photographic supply sales and still picture studio
Includes sale of photographic equipment. Motion picture film studios are classified in Subdivision 186, while plant processing of film is classified in Subdivision 797.
- 554. Garden supply store
Includes retail sale of equipment, seeds, fertilizer for home or garden consumption. Sale or rental of snow blowers, lawn sweepers and other home maintenance machines is included.
- 555. Retail lumber sales
Lumber distribution centers often of the supermarket type, including sale of related home repair supplies. Lumber yards principally for storage are classified in Subdivision 851.
- 556. Pet store, animal hospital
Sale of pets, animal and pet supplies, including animal hospitals and care centers.
- 557. Barber, beauty shop
- 558. Fireworks sales
Includes retail fireworks sales from temporary or permanent locations.

- 559. Recreation, Hobby, Home Repair, Supply Sales; Personal Service; not elsewhere classified, specify in detail.
- 550. Recreation, Hobby, Home Repair, Supply Sales; Personal Service; insufficient information given to classify further.

56. Professional Supplies and Service

- 561. Professional supply sales
Includes sale of stethoscopes, hospital supplies, special tools, engineering instruments, and other professional supplies.
- 562. Trade supply sales
Includes sale of machinist supplies, plumbers' tools, carpentry equipment.
- 563. Art supply sales
- 564. Laundry and dry cleaner; self-service
- 565. Linen supply house
- 566. Laundry, dry cleaner pickup shop
Shops for pickup of laundry and cleaning. Little or no processing on the premises, other than pressing.
- 567. Home maintenance services
Includes firms doing home maintenance work such as floor cleaning, window washing, chimney cleaning, exterminating.
- 568. Restaurant supplies and services
- 569. Professional Supplies and Services; not elsewhere classified, specify in detail.
- 560. Professional Supplies and Services; insufficient information given to classify further.

57. Motor Vehicle, Boat Sales and Service

- 571. Service station; public
Fuel service facilities for motor vehicles operated for the public, such as gasoline service stations, diesel fuel stations, LP-Gas stations, with associated lubricatorium and wash facilities. Marine service stations are classified in Subdivision 577.
- 572. Service station; private
Private or fleet vehicle refueling where an employee may fuel vehicle himself, such as at a transit company garage, a trucking company yard or a farm.
- 573. Motor vehicle repairs, paint shop
Repair of automobiles, motor trucks and shops doing specialized repair work such as repair of auto tops, hoods and electrical repair. Excluded are car washing facilities, 578.
- 574. Motor vehicle and trailer sales

- 575. Motor vehicle accessory sales
Sale of accessories for motor vehicles such as lights, tires, parts and special tools.
- 576. Boat sales; pleasure craft
Sale of boats, marine vessels, outboard motors and accessories other than at marinas. If at marinas or boat repair yards classify the Subdivision 885 and 782 respectively.
- 577. Marine service station
Refueling facilities for marine vessels of any size.
- 578. Car washing facility
- 579. Motor Vehicle, Boat Sales and Services; not elsewhere classified, specify in detail.
- 570. Motor Vehicle, Boat Sales and Service; insufficient information given to classify further.

58. General Item Stores

Stores selling a wide range of items that cannot be readily classified in previous subdivisions.

- 581. Department store
A department store has many separate lines of goods but to be classified here the store must have a full furniture department.
- 582. Variety store — small
A store of less than 10,000 square feet with a wide range of goods but no furniture department. Army-Navy stores, "5 and 10 cent stores", and second-hand or surplus stores.
- 583. Variety store — large
A store of over 10,000 square feet with a wide range of goods but no furniture department. Merchandise like a supermarket, usually with self-service and check-out counters.
- 584. Mail order store
Mail order and catalogue stores including display areas regardless of size. Use Subdivision 581 when applicable and when the mail order section is a small section of the larger store.
- 589. General Item Stores; not elsewhere classified, specify in detail.
- 580. General Item Stores; insufficient information given to classify further.

59. Offices

Office properties are those used for the transaction of business, for the keeping of accounts and records, and similar purposes.

Doctors' and dentists' offices are included unless of such character as to be classified as hospitals. Service facilities usual to city office buildings are included in this property group. City halls, and town halls, are included in this property group, as their principal function is the transaction of the public business and the keeping of books and records.

Minor office occupancy incidental to operations in another property shall be considered part of the predominating property.

Included are buildings housing business, administrative, professional or regulatory functions.

591. General business office

Office buildings for the administration of industrial and business enterprises whether at the plant or located elsewhere. Offices of: insurance carriers, consultants, and adjusting agencies; real estate operators, developers and agents; lawyers, advocates and solicitors; importers, exporters, manufacturers' agents, commodity brokers; trade associations, chambers of commerce, professional societies; labor organizations; religious organizations; local and county government offices; state or provincial government offices; central government offices; and offices of the armed forces and defense agencies. Savings and loan companies without first floor banking premises.

592. Bank, with first floor banking facilities. Use Subdivision 591 for savings and loan companies without first floor banking premises.

593. Medical, health, research and scientific office
Medical, surgical, dental, health service offices. This includes offices of nurses and midwives, consulting rooms or offices of physicians, surgeons, and other medical practitioners; offices primarily engaged in research; and of meteorological institutes. Laboratories are classified in Division 62.

594. Engineering, architects' and technical office
Consulting, engineering, architectural, surveying and scientific engineering development offices. Permanent office buildings of a contractor are included. Contractor's shops and parts storage locations are classified in Subdivision 936.

595. Mailing firm

596. Post office

599. Offices; not elsewhere classified, specify in detail.

590. Offices; insufficient information given to classify further.

50. Mercantile Properties and Offices; unclassified

- 509. Mercantile Properties and Offices; not elsewhere classified, specify in detail.
- 500. Mercantile Properties and Offices; insufficient information given to classify further.

6. BASIC INDUSTRY, UTILITY, DEFENSE

Agriculture, forestry, the extractive or mining industries, mineral products, utilities, laboratories, nuclear plants, and communication facilities are all included. Since national defense sites depend so heavily on communications, they also are included here.

61. Nucleonics

Areas designated as handling radioactive materials, such as uranium, radium, thorium, heavy water, or plutonium.

- 611. Plant working with radioactive materials in bulk
Fuel element plants, radioactive waste disposal.
- 612. Plant working with radioactive materials in small quantities
- 613. Nuclear power plant
Use 641 for that portion of the plant devoted to the generation of electricity.
- 614. Nuclear ordnance plant
Bomb assembly.
- 619. Nucleonics; not elsewhere classified, specify in detail.
- 610. Nucleonics; insufficient information given to classify further.

62. Laboratories

Classrooms and offices incidental to laboratory facilities are included. A fire or explosion in a laboratory room in another property is classified in the individual property involved.

- 621. Laboratory; chemical and medical
Includes biological laboratories.
- 622. Laboratory; physical materials testing
Includes all laboratories for testing physical properties of materials. Included are hydraulics laboratories, physics laboratories, physical materials laboratories.
- 623. Laboratories; personnel, psychological
Includes laboratories for the testing, measuring of persons. Educational laboratories are included.

- 624. Laboratory; radioactive materials
Any laboratory handling or using radioactive material in a quantity requiring marking.
- 625. Laboratory; electrical, electronic
- 626. Laboratory; agricultural
- 627. Laboratory; research general
- 629. Laboratories; not elsewhere classified, specify in detail.
- 620. Laboratories; insufficient information given to classify further.

63. Communications, Defense, Document Facilities

Critical areas having to be maintained to retain national, business or public safety or continuity.

- 631. National defense site not elsewhere classified: including missile or space vehicle launch site; excluding radio and radar sites which are classified in Subdivision 632. The missiles or vehicles, themselves, are classified in 987 or 988.
- 632. Radio, radar site
Including microwave transmitter sites, flight control facilities, satellite tracking stations, repeater sites, fixed and mobile stations. Excludes fire police communications, classified in Subdivision 633.
- 633. Fire, police or industrial communications center
Includes municipal, county, state or province emergency communications facilities; such as fire control center, police control center, disaster control facilities and all auxiliary equipment; industrial communications centers.
- 634. Telephone exchange, central office
Includes communications cable sites with the associated repeater and terminal facilities.
- 635. Computer, data-processing center
- 636. Document center, record repository
Including archive storage.
- 639. Communications, Defense, Document Facilities; not elsewhere classified, specify in detail.
- 630. Communications, Defense, Document Facilities; insufficient information given to classify further.

64. Utilities

- 641. Electric light, power generating plant
Generation of electrical energy, regardless of power plant. Included are locations producing electricity for rail transport use, for groups of factories, and for individual properties.

- 642. Electric light, power, distribution system
Distribution of electric energy outside generating plant premises, including high tension lines, substations, and transformers.
- 643. Gas manufacturing plant
Manufacture of gas in gasworks, including peak shaving plants.
- 644. Gas distribution system, pipeline
Piping systems and associated equipment for the distribution of gas fuel from manufacturing plants, storage facilities or wells to the user. Included are transmission lines, compressors, and distribution piping up to the customer side of the meter.
- 645. Flammable liquid distribution system, pipeline
Piping systems and associated equipment for the distribution of flammable liquid from manufacturing plants, storage facilities or wells to the user. Included are transmission lines, compressors, and distribution piping up to the customer side of the meter.
- 646. Steam system
Production of steam and hot water and distribution systems for heating and power purposes, including "district heating."
- 647. Water supply system
Collection, treatment, storage, and distribution of water.
- 648. Sanitary service
Garbage and sewage disposal. Included are sewer systems, commercial incinerators and industrial rubbish burners. Excluded are small rubbish barrels and personal incinerators, classified in Subdivision 914; and dumps, 912.
- 649. Utilities; not elsewhere classified, specify in detail.
- 640. Utilities; insufficient information given to classify further.

65. Agriculture

Production of raw agricultural products. Processing and working of products classified elsewhere.

- 651. Poultry, egg production
- 652. Cow and cattle production
Included is cow milking, milk houses, milk cooling facilities. Milk processing plants are classified in Subdivision 712.
- 653. Piggery, hog production
- 654. Other livestock production
- 655. Crops, orchards
- 656. Tobacco curing shed

- 657. Fruit, vegetable packing
Packing of raw fruit and vegetables as picked. Processing plants are classified in Subdivision 713.
- 659. Agriculture; not elsewhere classified, specify in detail.
- 650. Agriculture; insufficient information given to classify further.

66. Forestry, Hunting and Fishing

- 661. Forest, standing timber
Timber tracts; planting, replanting and conservation of forests; gathering of uncultivated materials, such as gums and resins, wild rubber, saps, barks, wild fruits and flowers, and roots. Includes extracting, concentrating and distilling of sap and charcoal burning carried on in the forest.
- 662. Logging, felled timber, log storage pile
Felling and rough cutting of trees; hewing or rough sharpening of poles, blocks, and other wood materials; and transportation of logs. Included are piles of timber and logs. Excluded are sawmills operating in the forest and classified in Subdivision 751.
- 663. Hunting, trapping and game propagation
Hunting and trapping wild animals and game propagation for commercial purposes not connected with sport.
- 664. Trees
Individual tree fires are classified here.
- 665. Fish hatchery
- 666. Wood chip pile
- 669. Forestry, Hunting and Fishing; not elsewhere classified, specify in detail.
- 660. Forestry, Hunting and Fishing; insufficient information given to classify further.

67. Mining, Quarrying; Natural Raw Materials

Underground and surface mines, quarries and oil wells, including supplemental on-site machinery. Prospecting for minerals and preparing sites for extraction are also included. Quarries and mines attached to other properties are, as far as possible, classified in this Division.

- 671. Coal mine
- 672. Iron ore mine
- 673. Metal ore mine, excluding iron ore mine
- 674. Petroleum or natural gas well with accompanying reservoir
Oil and gas producing property, oil well and natural gas well operations, including prospecting and drilling, oil

shale or bituminous sand operations, and extraction of crude oil. The operation of pipe lines is classified in Subdivisions 644 and 645.

- 675. Stone, slate, clay, gravel, sand; quarries or pits
The extraction of building and monumental stone or slate; ceramic, refractory and other clay and all sand and gravel.
- 676. Salt mine
The extracting and quarrying of salt, including evaporating as in salt pans, crushing, screening and refining. The refinement of salt for human consumption in establishments not engaged in extracting or quarrying salt is classified in Subdivision 719.
- 677. Chemical, fertilizer, mineral mine
The mining and quarrying of phosphate and nitrate minerals, fluorspar, sulphur ores and natural sulfur, potash, sodium and borate minerals, borytes, pyrites, arsenic, strontium and lithium minerals and mineral pigments. Guano gathering is included.
- 678. Nonmetallic mineral mine or quarry
All other nonmetallic mining and quarrying, such as asbestos. Peat cutting and digging is included.
- 679. Mining, Quarrying; Natural Raw Materials; not elsewhere classified, specify in detail.
- 670. Mining, Quarrying; Natural Raw Materials; insufficient information given to classify further.

68. Nonmetallic Minerals, Mineral Products Manufacture

Manufacture of clay products; glass and glass products; pottery, china and earthenware; cement, concrete products and other non-metallic mineral products. Coal and petroleum are classified in Division 67.

- 681. Structural clay products manufacture
Manufacture of structural clay products such as bricks, tiles, pipes, crucibles, architectural terra cotta; stove lining, chimney pipes and tops; refractories.
- 682. Glass manufacture; excluding containers
Manufacture of all glass, glass products including glass fiber, and glassware except glass containers. Includes manufacture of optical glass, other than the grinding of optical lenses which is classified in Subdivision 792 or 548.
- 683. Glass container manufacture
- 684. Pottery, china, earthenware manufacture
- 685. Cement manufacture
- 686. Concrete batch plant

- 687. Abrasives manufacture
Manufacture of abrasives, including the shaping of natural abrasives into grindstones, coating cloth and paper with abrasives and making abrasive bonded wheels and disks.
- 688. Nonmetallic mineral product manufacture
Manufacture of concrete, gypsum and plaster products, asbestos, mineral wool, cut-stone and stone products and all other nonmetallic mineral building products.
- 689. Nonmetallic Minerals, Mineral Products Manufacture; not elsewhere classified, specify in detail.
- 680. Nonmetallic Minerals, Mineral Products Manufacture; insufficient information given to classify further.

60. Basic Industry, Utility, Defense

- 609. Basic Industry, Utility, Defense; not elsewhere classified, specify in detail.
- 600. Basic Industry, Utility, Defense; insufficient information given to classify further.

7. MANUFACTURE

Included is the mechanical or chemical transformation of inorganic or organic substances into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail. The assembly of component parts of manufactured products is part of Manufacture, except in cases where the activity is appropriately classified in Division 93, Construction.

Included are factories making products of all kinds and properties devoted to operations such as processing, assembling, mixing, packaging, finishing or decorating, repairing, and similar operations. However, for mineral processing, use 68.

71. Food

- 711. Slaughtering, preparation, preserving of meat
Abattoirs and meat-packing plants; killing, dressing and packing poultry, rabbits and small game. Included are processing and packing activities such as curing, smoking, salting, pickling, packing in air-tight containers, quick-freezing as well as manufacture of natural sausage casing and the rendering of lard and other edible animal fats. Use Subdivision 714 for fish and sea foods.

712. Dairy product manufacture
Manufacture of creamery and processed butter, natural and processed cheese, condensed and other types of concentrated milk, ice cream and ices, powdered milk and other edible milk products. The pasteurizing and bottling of milk is also included.
713. Canning, preserving of fruits and vegetables
Canning (packing in air-tight containers) of fruits and vegetables including fruit and vegetable juices; manufacture of raisins and dried fruits, preserves, jams and jellies, pickles and sauces and canned soups. Dehydrating and quick-freezing are included.
714. Canning, preserving of fish, sea foods
Preserving and processing fish and other marine foods. These processes include such operations as salting, drying, dehydrating, smoking, curing, cooling, pickling, packing in air-tight containers, and quick-freezing. Icing, salting, filleting of fish catch and processing of the catch aboard fishing vessels is classified in Subdivision 948.
715. Manufacture of grain mill products
Grain mills (flour, meal, dry feeds); husking, cleaning, polishing of rice; preparation of breakfast foods such as rolled oats, rice, wheat and corn flakes, parched grain; prepared feeds for animals and fowls; blended and prepared flour, and other cereal and pulse preparations. Included are: coffee, pulse, root peeling mills and starch and its products.
716. Bakery product manufacture
Manufacture of bread, cakes, cookies, doughnuts, pies, pastries and similar "perishable" bakery products; biscuits and similar "dry" bakery products. Use 715 for breakfast foods.
717. Sugar refining and confectionery manufacture
Manufacture and refining of raw sugar, syrup and granulated or clarified sugar, from sugarcane or from sugar beets. Manufacture of cocoa and chocolate powder from beans, chocolates, all types of confectionery.
718. Snack foods manufacture
Potato chips and other products of deep fat frying.
719. Food Industries; not elsewhere classified, specify in detail.
Food industries not elsewhere classified includes the manufacture of baking powder, yeast; condiments, mustard and vinegar; food specialties; egg specialties; spice grinding; processing of tea leaves into black tea; edible salt refining; harvesting and the manufacture of ice, except dry ice. Dry ice manufacturing is classified in Subdivision 761.

710. Food Industries; insufficient information given to classify further.

72. Beverages, Tobacco, Essential Oils

721. Distilling, rectifying, blending spirits
The distilling of ethyl alcohol for all purposes. The distilling, rectifying and blending of alcoholic liquors.
722. Wines, winery
The production of wines, cider, and other fermented beverages except malt liquors.
723. Brewery, manufacture of malt
The production of malt and malt liquors.
724. Soft drink, carbonated water industry
Manufacture of nonalcoholic beverages, such as soft drinks and carbonated mineral waters. Include the incidental manufacture of flavoring extracts and syrup; for the manufacture of syrup alone, see 717.
725. Tobacco products manufacture
Manufacture of tobacco products. Stemming, redrying and other operations after auctioning which are connected with preparing raw-leaf tobacco for manufacturing are also included. Tobacco drying sheds are classified in Subdivision 656.
726. Vegetable and animal oil, fat; soap making
Production of crude oil, cake and meal, by crushing or extraction, from oilseeds and nuts; the extraction of fish and other marine animal oils; the rendering of inedible animal oils and fats; manufacture of margarine; and the refining and hydrogenation (or hardening) of oils and fats, except lard and other edible fats from livestock. The manufacture of lard and other edible fats is classified in Subdivision 711, except butter, 712. Manufacture of soaps, detergents and other washing and cleaning compounds, except where the process is chemical only, not involving oil or fat.
729. Beverages, Tobacco, Essential Oils; not elsewhere classified, specify in detail.
720. Beverages, Tobacco, Essential Oils; insufficient information given to classify further.

73. Textiles

731. Cotton Gin
732. Cotton; spinning, weaving
Preparing cotton fibers, such as picking, carding, combing, carbonizing, spinning, weaving of yarns and fabrics. Manufacture of narrow fabrics and other small wares; carpets

- and rugs; and lace, braids and other primary textiles. Asbestos spinning and weaving is classified in Subdivision 688.
733. Wool, worsted; spinning, weaving
Preparing wool and worsted fibers, such as scouring, carding, combing, carbonizing, spinning, and weaving of yarns and fabrics. Manufacture of narrow fabrics and other small wares; carpets and rugs; and lace, braids and other primary textiles. Asbestos spinning and weaving is classified in Subdivision 688.
734. Mixed, blended and other fibers; spinning, weaving
Preparing mixed, blended and other fibers such as flax, hemp, jute, silk, sisal and synthetic fibers, such as retting, scutching, scouring, carding, combing, carbonizing; throwing; spinning; weaving. Manufacture of narrow fabrics and other small wares; carpets and rugs; and lace, braid, yarn, and other primary textiles. Asbestos spinning and weaving is classified in Subdivision 688.
735. Textile finishing plant
Bleaching, dyeing, printing, finishing of all fabrics, and fibers.
736. Knitting mills; all fibers
Establishments such as hosiery and knitting mills, primarily engaged in producing hosiery, outerwear, underwear and other knitwear, as well as knitting mills is included but the making up of garments from knitted fabrics other than in knitting mills is classified in Subdivision 742.
737. Cordage, rope, twine and net manufacture
Manufacture of rope, cable, cordage, twine, net and other related goods from hemp, jute, cotton, paper, straw, coir, flax and other fibers.
738. Floor covering manufacture; excluding rubber
Manufacture of linoleum and other hard surfaced floor coverings, artificial leather, oilcloth, impregnated and coated fabrics, excluding rubber and clay tile which are classified in Subdivisions 747 and 681 respectively.
739. Textiles; not elsewhere classified, specify in detail.
Manufacture of straw, coir and similar matting and mats; felt by processes other than weaving; batting, padding, wadding and upholstery filling from all fibers. Included is the recovering of fibers from waste and rags. The manufacture of wood-excelior upholstery filling is classified in Subdivision 751.
730. Textiles; insufficient information given to classify further.
- 74. Footwear, Wearing Apparel, Leather, Rubber**
741. Footwear manufacture

Manufacture of all kinds of footwear, boots, shoes, cut stock, findings, leggings, and gaiters from leather, fabrics, plastics, wood and other materials except vulcanized footwear, which is classified in Subdivision 747. Repair shops which make footwear on a custom basis are classified in 522.

742. Wearing apparel manufacture; excluding footwear
Manufacture of wearing apparel by cutting and sewing fabrics, leather, fur and other materials; the making of hat bodies, hats and millinery; and the manufacture of umbrellas and walking sticks. The repair of wearing apparel in connection with the cleaning and pressing of these articles is classified in Subdivision 796, tailor and dressmaking in 524, and shoe repair in 523.
743. Made-up textile goods manufacture; alterations excluding wearing apparel
Manufacturers who do no weaving and primarily engaged in making up cloth goods such as house furnishings, trimmings of fabric; embroideries; and pennants. Stitching, pleating and tucking for the trade is included.
744. Tanneries, leather finishing
The tanning, currying, finishing, embossing and japanning of leather.
745. Fur products manufacture; excluding wearing apparel
The scraping, currying, tanning, bleaching and dyeing of fur and other pelts. The manufacture of fur and skin rugs and mats, hatters fur and other fur and skin articles except wearing apparel which is classified in 742. Fellmongery is included.
746. Leather products manufacture; excluding footwear and wearing apparel
Manufacture of leather products (except footwear and other wearing apparel) and articles made of leather and leather substitutes, such as leather sporting goods. The manufacture of wooden saddlery is classified in Subdivision 753.
747. Rubber, rubber products manufacture
Manufacture from natural or synthetic rubber and all kinds of rubber products. The reclaiming of rubber from used tires, scrap and miscellaneous waste rubber.
749. Footwear, Wearing Apparel, Leather, Rubber; not elsewhere classified, specify in detail.
740. Footwear, Wearing Apparel, Leather, Rubber; insufficient information given to classify further.

75. Wood, Furniture, Paper, Printing

751. Sawmill, planing mill, wood products mill
The manufacture of lumber products; wooden building materials and prefabricated parts and structures; cooperage and other wood stock; veneers and plywood; and excelsior. Included is the preservation of wood. Sawmills and planing mills, whether or not mobile or operated in the forest are included. The hewing and rough shaping of poles and other wood materials is classified in Subdivision 662.
752. Wooden, cane containers, cane small ware manufacture
The manufacture of boxes, crates, drums, barrels, and other wooden containers; baskets and other rattan, reed or willow containers; and small ware made entirely or mainly of rattan, reed, willow or other cane.
753. Wood, cork products manufacture
The manufacture of products of wood, cork and small ware consisting wholly or mainly of wood.
754. Furniture, fixture, bedding manufacture
Manufacture of household, office, restaurant, public building, and professional furniture; bedding, upholstery; office and store fittings and fixtures regardless of the materials used.
Manufacture of special medical furniture, equipment, fixtures, and machines is classified in Subdivision 791.
755. Paper, pulp, paperboard manufacture
The manufacture of pulp, fibers and of paper, paperboard insulation board and fiber building paper. The coating, glazing and laminating of paper and paperboard is included, except for the manufacture of asphalted and tar-saturated paper, abrasive paper, sensitized paper and carbon and stencil paper which are classified in Subdivisions 768, 687, 792, and 799 respectively.
756. Paper, pulp, paperboard products manufacture
The manufacture of pressed and molded pulp goods and articles made of paper and paperboard.
757. Newspapers, magazine printing and publishing
Printing, lithographing, and publishing newspapers, periodicals, magazines, trade journals, reviews and related services.
758. Printing, publishing and allied industry
Printing, lithographing and publishing; commercial or job printing, lithographing; manufacture of greeting cards; looseleaf devices, library binders; bookbinding; blank book making; paper ruling; and other work related to bookbinding such as bronzing, gilding and edging; map and

mounting; services for the printing trades such as type-setting, engraving and etching steel and copper plates; making woodcuts; photoengraving; electrotyping and stereotyping. Type foundries are classified in Subdivision 773. Engraving on precious metals is classified in Subdivision 794.

- 759. Wood, Furniture, Paper, Printing; not elsewhere classified, specify in detail.
- 750. Wood, Furniture, Paper, Printing; insufficient information given to classify further.

76. Chemical, Plastic, Petroleum

For the purpose of this classification, a chemical is a material which has had or will have a controlled change in its molecular structure or composition, not involving polymerization; while a plastic is a material whose molecule has been polymerized. Use 61 for heavy water or for nuclear changes.

- 761. Industrial chemicals manufacture
Manufacture of industrial organic and inorganic chemicals and industrial gases. Included is dry ice manufacture. All monomers and plastics are excluded.
- 762. Hazardous chemical manufacture
Manufacture of materials requiring special handling in the manufacture, shipment, storage or use. Included are explosives, blasting agents, fireworks, matches, unstable rocket propellants, pyroxylin (cellulose nitrate) plastics, hazardous monomers, organic peroxides. The manufacture and handling of nuclear materials may be found under 61.
- 763. Plastic manufacture
Manufacture of raw materials for plastics except those included in 762, and of synthetic resins, plastics and elastomers.
- 764. Plastic products manufacture
Making of all plastic products; including plastic housings, enclosures, covers, linings, machine parts, moulding, extruding.
- 765. Paints, varnishes, lacquers, inks, waxes, adhesives manufacture
Manufacture of paints; varnishes, varnish stains and shellac; lacquers; enamels and japans.
Manufacture of inks, polishes, waxes, adhesives, gelatin.
- 766. Drugs, cosmetics, pharmaceuticals manufacture
The manufacture of drugs, medicinal and pharmaceutical preparations; perfumes, cosmetics and other toilet preparations.