

RECENTLY PATENTED INVENTIONS.

The Inventions described in this Department were Patented through the Scientific American Patent Agency.

Electrical Devices.

AUTOMATIC FIRE-ALARM TRIP.—F. A. KEHL and A. F. WRIGHT, Tacoma, Wash. The device is designed to put into operation a fire-alarm box by pulling down its operating lever whenever an electric circuit is closed to the electromagnetic devices forming part of the invention. It is designed more especially to be used in connection with sprinkling systems and such fire protection systems as are employed in large factories where it is important that the fire department shall be apprised of the fire at the earliest possible moment in addition to the protection afforded by the sprinkling system.

ELECTRIC BURGLAR ALARM.—S. B. HESS, New York, N. Y. The invention relates to an improved alarm which is sounded whenever a person attempts to break into a room through the windows, doors, and transoms, or if he attempts to interfere with the alarm bell. The bell will continue ringing until a person knowing the particular combination and possessing a proper switch key arrives to stop it.

Of General Interest.

POST HINGE FOR WATER CLOSET SEATS, COVELS AND THE LIKE.—G. A. GEARY, New York, N. Y. The invention provides an improved post hinge for water closet seats, covers and like articles, arranged to hold the seat normally in a raised position. The construction allows of swinging the seat or cover to a closed position, but will return it to normal position when released.

WINDOW.—W. J. SUMMERBELL, Chicago, Ill. The frame of this window is constructed of a number of layers of material, an outer and an inner layer of fireproof material, preferably hard asbestos board, and an intermediate layer of reinforcing, ordinarily sheet metal, the whole being secured together by bolts with the nuts located on the inside.

PNEUMATIC CUSHION INSOLE.—W. L. GORDON, Deal, N. J. This pneumatic insole is designed to provide a good cushioning effect at the heel and operates at the same time to ventilate the forward portion of the shoe. When pressure is brought to bear upon the heel air is forced forward under the toe of the insole.

Heating and Lighting.

DEVICE FOR CREATING A CENTRAL DRAFT FOR FIREBOXES.—G. F. PANNEBAKER, St. Louis, Mich. The purpose of this invention is to provide an attachment for the fireboxes of stoves, furnaces, grates, etc., which will operate to create a draft within the body of the fuel whereby the latter will be completely consumed, and the heat will be thrown from the center of the stove outwardly to the sides.

Machines and Mechanical Devices.

CLUTCH.—F. M. NICHOLS, Chillicothe, Ohio. This invention is an improvement in clutches, consisting of a construction which is easy to operate and which can readily be moved into and out of the clutched position. The operation of the device is aided by the provision of anti-friction mechanism.

AGITATOR FOR WASHING MACHINES.—J. ST. C. JAMES, Iliawatha, Kans. The agitator consists of several cone-shaped hollow bodies open at their outer ends and connected together at their smaller or inner ends. These are attached to a shaft which is so mounted that it may be rotated and lifted or lowered at will. In operation, as the agitator is lowered the water is moved toward the center of the tub, and when the agitator is lifted the water returns to the periphery of the tub.

NOTE.—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending October 20, 1908,

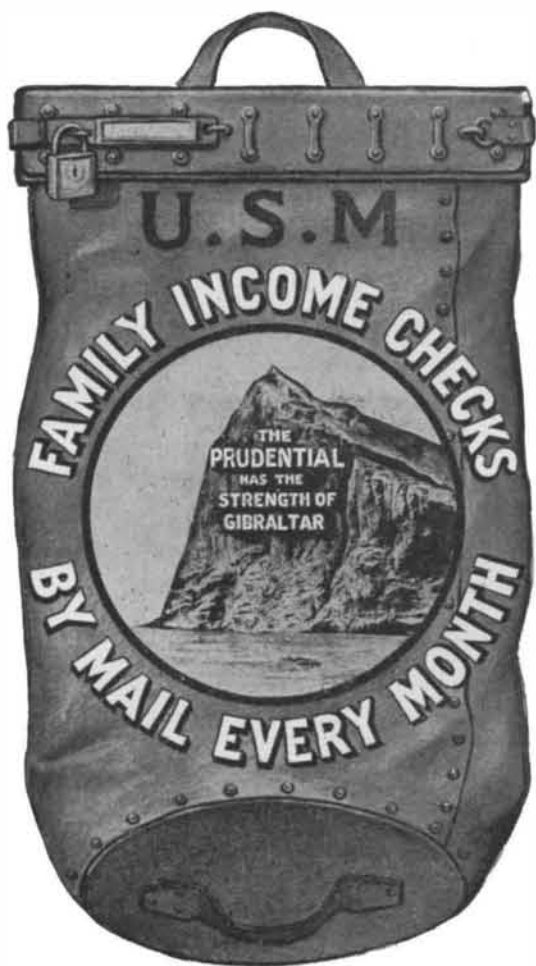
AND EACH BEARING THAT DATE

[See note at end of list about copies of these patents.]

Table with 2 columns: Invention name and Patent number. Includes items like 'Account system, H. Wilke', 'Air compressor, H. J. Horstmann', etc.

Main table listing inventions and patent numbers, organized in columns. Includes items like 'Automobiles, supplemental hood for, C. L.', 'Dye and making same, gallocyanin, A. Steiner', 'Furnaces, hot-air distributing device for', etc.

Leave Your Wife a Regular Income Through the New Monthly Income Policy of **The Prudential**



The one kind of Life Insurance Policy of most practical value to the woman. It is the policy your wife would like, because it gives her a sure monthly income such as she is accustomed to.

This is the Safest Way

to leave your life insurance. The monthly income cannot be encumbered or depreciated. The principal cannot be lost. All worry about safe investment is eliminated.

Cost of insuring an Income of \$10 per month for 20 years.

AT AGE OF INSURED	COST PER YEAR
25 - -	\$29.41
30 - -	33.47
35 - -	38.76
40 - -	45.76
45 - -	55.20
50 - -	68.11

Other monthly sums up to \$500 in proportion.

The income is paid for not less than 20 years.

The income can be made payable for life of beneficiary at slightly higher cost.

THE COST IS LOW

Write for Rates at Your Age and Learn How You can Provide an Absolute Guaranteed Income for Your Family. Address Dept. 121

The Prudential Insurance Company of America

Incorporated as a Stock Company by the State of New Jersey

JOHN F. DRYDEN, President

Home Office, NEWARK, N. J.

Classified Advertisements

Advertising in this column is 75 cents a line. No less than four nor more than ten lines accepted. Count seven words to the line.

READ THIS COLUMN CAREFULLY.—You will find inquiries for certain classes of articles numbered in consecutive order. If you manufacture these goods write us at once and we will send you the name and address of the party desiring the information.

MUNN & CO.

BUSINESS OPPORTUNITIES.

\$100 FIRST MORTGAGE 6 Per Cent. Gold Bonds. \$30 cash or \$91.50 in ten monthly payments.

Inquiry No. 8611.—Wanted to buy sprinklers for light power purposes.

PATENTS FOR SALE.

FOREIGN PATENTS for meritorious and valuable inventions negotiated upon a contingent basis.

Inquiry No. 8630.—Wanted to buy file cutting machinery.

FOR SALE.—Patent No. 82234. An improved nut lock or triangle detaining washer that is destined to fill a long-felt want.

Inquiry No. 8667.—Wanted to buy needle, pin and pen machinery.

FOR SALE.—Patent for gas stove for America and England and one for kerosene oil.

Inquiry No. 8685.—Wanted to buy 1 1/2 to 2-inch No. 13 to 18 tempered spring steel.

PATENTS WANTED.

WANTED.—Information regarding good patent which would be money maker. Only inventor, who wishes to sell outright or on royalty basis, need answer.

Inquiry No. 8687.—Wanted to buy motor plows.

HELP WANTED.

WANTED.—10,000 railway mail clerks, city carriers, post office clerks appointed yearly.

Inquiry No. 8699.—Wanted to buy two-stranded soldered wire for heddles.

PRINTING.

PHOTO-GLATINE PRINTING for art, advertising and scientific work, effective and lasting.

Inquiry No. 8701.—Wanted to buy solar engines.

MOTION PICTURES.

THE MOVING PICTURE WORLD, weekly, 10 cents per copy; yearly subscription, \$2.

Inquiry No. 8721.—Wanted unwelded tubing that is used for structural work.

LISTS OF MANUFACTURERS.

COMPLETE LISTS of manufacturers in all lines supplied at short notice at moderate rates.

Inquiry No. 8735.—For parties making a still for the purpose of extracting alcohol from saw-dust.

A LIST OF 1,500 mining and consulting engineers on cards. A very valuable list for circularizing, etc.

Inquiry No. 8736.—For manufacturers of machinery for making matches, also machinery for making purses and band bags.

MISCELLANEOUS.

UNITARIAN LITERATURE, including sermons and weekly publications, sent free, on application to Miss Peck, 106 George Street, Providence, R. I.

Inquiry No. 8737.—For manufacturers of machinery for making tooth-brushes, shaving brushes, galvanized water buckets, locks, nibs and holders.

WANTED.—Ideas, theories, literature, or information of any kind on gravitation, considered from an electro-magnetic standpoint.

Inquiry No. 8742.—For manufacturers of water seal, also of thermometer tubing.

WANTED.—Mechanism to rupture, dry and pulverize starch in starch grains. For particulars address Wm. Zimmerman, 1,000 Tribune Building, Chicago.

Inquiry No. 8748.—Wanted to buy polished or lacquered brass in sheets 29 gauge, quarter hard in temper.

Inquiry No. 8749.—For makers of very large springs, used for running machinery.

Inquiry No. 8769.—For manufacturers of an appliance to attach to the old style razor blade to make same a safety razor.

Inquiry No. 8770.—For parties who make short link twist chains, links from 1/2 inch up.

Inquiry No. 8771.—Wanted to buy tune sheets for Criterion music boxes.

Inquiry No. 8774.—For machinery for making bags from sisal hemp.

Inquiry No. 8775.—Wanted to buy stock novelty or jewelry catalogues.

Inquiry No. 8779.—For parties manufacturing gas, gasoline, steam engines and boilers; also packing and mineral wool, steam supplies, iron and lead pipe, power transmission machinery and steam fitters' tools.

Inquiry No. 8784.—For manufacturers of alcohol burners for lights and stoves.

Inquiry No. 8786.—For parties to manufacture glass balls blown about 1 1/2 inch in diameter with a 3/8 inch hole through the center, should hold about 200 pounds to the square inch of steam pressure.

Inquiry No. 8787.—For parties who manufacture cat-gut.

Inquiry No. 8790.—For the manufacturer of "Brooks improved band pump."

Inquiry No. 8792.—For a firm that manufactures glass holders made of glass.

Inquiry No. 8796.—For concerns manufacturing stills adapted to the manufacture of denatured alcohol.

Inquiry No. 8798.—For manufacturers of micro lenses used in small articles such as pencils, charms, etc.

Inquiry No. 8799.—Wanted to buy new or second-hand box nailing machine for small packing cases.

Inquiry No. 8800.—Wanted complete data in regard to pegamoid.

Inquiry No. 8802.—Wanted to buy machinery for cutting and polishing oilstones, whetstones or grindstones.

Inquiry No. 8803.—For manufacturers of files, screws, druggists' supplies, hardware in general, and agricultural machinery.

Inquiry No. 8804.—For parties dealing in windmills, wood split pulleys, wheelbarrows, cutlery and picks.

Inquiry No. 8805.—Wanted to buy outfits and supplies for brazing.

Inquiry No. 8806.—For manufacturers of drawing materials.

Inquiry No. 8807.—For dealers in second-hand cotton machinery.

Inquiry No. 8810.—For makers or importers of porous water bottles or jars to cool drinking water by evaporation.

Inquiry No. 8811.—Wanted to buy electric tattooing needles, inks and stencils.

Inquiry No. 8812.—Wanted to buy outfits for manufacturing fuel briquettes from sawdust.

Inquiry No. 8813.—For manufacturer of the "Steele" mixer for mixing food products, etc.

Inquiry No. 8814.—Wanted to buy hand lever air pumps, 100 lbs. pressure.

Inquiry No. 8815.—Wanted to buy carriage and wagon hardware coal, iron and steel.

Inquiry No. 8819.—For manufacturers of Excelsior Welding Compound.

Inquiry No. 8821.—Wanted to buy machinery for making a rough composition board, something like a straw board.

Inquiry No. 8822.—For manufacturers of dredging machinery to be operated by gas engine.

Inquiry No. 8825.—For manufacturers of a new device to split wood.

Inquiry No. 8826.—Wanted to buy small fuel compression machines both manual and engine power.

Inquiry No. 8827.—For manufacturers of annealed glass.

Inquiry No. 8829.—Wanted to buy machinery for making pins, hair pins, hooks and eyes.

Inquiry No. 8830.—Wanted to buy machinery for making brushes and baskets.

Inquiry No. 8831.—Wanted to buy knitting machines.

Inquiry No. 8832.—Wanted addresses of high-grade label weavers, preferably in New York.

Inquiry No. 8833.—Wanted to buy a peanut shelling machine.

Inquiry No. 8834.—Wanted to buy a 2-horsepower gasoline engine for spray wagon working on hilly ground.

Inquiry No. 8835.—Wanted to buy toothpick machinery.

Inquiry No. 8836.—Wanted to buy decorticating machines for sisal.

Inquiry No. 8837.—Wanted to buy folding umbrellas.

Inquiry No. 8838.—Wanted to buy metallic targets similar to clay birds used in shot-gun shooting.

Inquiry No. 8839.—Wanted to buy cheap automobiles.

Inquiry No. 8840.—Wanted to buy portable hydrocarbon pressure lamps.

Inquiry No. 8841.—Wanted to buy lunch counter and restaurant fixtures.

Inquiry No. 8842.—Wanted to buy annealed glass.

Inquiry No. 8843.—Wanted to buy cigarette making machine.

Inquiry No. 8844.—Wanted to buy inkstands.

Inquiry No. 8846.—Wanted to buy an electric butter band saw.

Inquiry No. 8847.—Wanted laundry tubs.

Inquiry No. 8848.—Wanted to buy rust proof metal for parts of wash tubs.

Inquiry No. 8849.—Wanted addresses of Canadian makers of rifle sights.

Inquiry No. 8850.—Wanted to buy machinery for making canvas gloves or mitts.

Inquiry No. 8851.—Wanted to buy machine for weaving wooden lath and wire together.

Inquiry No. 8852.—Wanted to have made a concave brass or copper reflector with focus of four or five feet.

Inquiry No. 8853.—Wanted to buy water safety razor blades.

Inquiry No. 8854.—Wanted to buy air compressor pressure up to 1,500 lbs., the capacity ranging 500 to 3,000 cubic feet.

Inquiry No. 8855.—Wanted machine to punch holes, feed and set automatically solid copper rivets and washers and rivet together barness done with one stroke.

Inquiry No. 8856.—Wanted a machine or grinder for reducing soft wood refuse to a fine dust.

Inquiry No. 8857.—Wanted addresses of shoe string manufacturers.

Inquiry No. 8858.—Wanted to buy comb cleaning machine.

Inquiry No. 8859.—Wanted to buy steel gray paint suitable for gasoline engines.

Inquiry No. 8860.—Wanted to buy machinery for grinding, washing and drying gum chicla.

Inquiry No. 8861.—Wanted to buy machine for cutting out mittens.

Inquiry No. 8862.—Wanted to buy a feather pillow ventilator.

Inquiry No. 8863.—Wanted to buy machine to separate pecan nuts into sizes and dust the dirt off.

Inquiry No. 8864.—Wanted manufacturers of mechanical novelties.

Inquiry No. 8865.—Wanted to buy fireless cookers.

Inquiry No. 8866.—Wanted to buy instantaneous water beaters.

Shade carrier, window, A. C. Van Erka... 901,398
Sheep shears, J. B. Carroll... 901,522
Sheet metal cutting, A. Benson... 901,772

Shelf and tables, detachable auxiliary holder for, G. Eggl... 901,598
Shoe, E. J. Lafond... 901,353
Shoe for loggers, safety, G. L. Clement... 901,880

Sign exhibiting device, changeable, J. J. Metzger... 901,631
Signaling device, marine, M. Boyd... 901,677
Signaling system, selective, O. W. Hart... 901,441

Telephone exchange system, W. M. Davis... 901,686
Telephone exchange system, automatic, B. G. Dunham... 901,698
Telephone exchange system, multiparty line, G. Babcock... 901,669

Trolley wheel bearing, Caswell & Schofield... 901,578
Trolley wire anchor, A. Melsaac... 901,816
Truck, B. S. Gillum... 901,532

Washing apparatus, clothes, M. J. Baker... 901,313
Washing machine, McManama... 901,817
Watches, roller for, J. Schep... 901,457

"Star" Lathe
Automatic Cross Feed
FOR FINE, ACCURATE WORK
SENECA FALLS MFG. CO.
695 Water Street, Seneca Falls, N. Y., U. S. A.

Engine and Foot Lathes
MACHINE SHOP OUTFITS, TOOLS AND SUPPLIES, BEST MATERIALS, BEST WORKMANSHIP. CATALOGUE FREE
SEBASTIAN LATHE CO., 120 Culvert St., Cincinnati, O.

Foot and Power and Turret Lathes, Planers, Shapers, and Drill Presses
SHEPARD LATHE CO., 133 W. 2d St. Cincinnati, O.

Veeder Counters
to register reciprocating movements or revolutions. Cutfall size. Booklet Free.
VEEDER MFG. CO.
18 Sargeant St., Hartford, Conn.

SPECIAL TO AUTOMOBILISTS:—
Flash Magneto Plugs only \$1.25 each. Guaranteed in every respect. We sell automobile supplies cheaper than any supply house in the United States.

CONSUMERS AUTO SUPPLY CO.
1252-1254 Wabash Avenue, Chicago, Ill.

Have You Seen The Perfection Wrench?
The newest and best wrench made. All steel. Great strength. Instantly adjusted. Easily and quickly operated.

PLATING DYNAMOS. — SCIENTIFIC AMERICAN SUPPLEMENTS 720 and 793 describe their construction so clearly that any amateur can make them.

THE "BARNES" Upright Drills
Positive Feed
10 to 50-inch Swing
Send for Drill Catalogue.
W. F. & JNO. BARNES CO.
1999 Ruby St., Rockford, Ill.

DO YOU USE GRINDSTONES?
If so we can supply you. All sizes mounted and unmounted, always kept in stock.

Robert Pocket Meters
For personal battery testing
Dead-Beat Accurate. Durable, Guaranteed
Send for Catalogue

"Porox" Ignitor Storage BATTERIES
High Capacity. Light Weight.
Proved as the best for both ignition and lighting.

Duryea's Buggyaut
The winter vehicle. Few parts, few troubles.
CHAS. S. DURYEA, Reading, Pa.

VENTRILOQUISM
Learned by any Man or Boy at home. Small cost. Send to-day 2-cent stamp for particulars and proof.

How to Build a 5 H. P. Gas Engine at Home
In SCIENTIFIC AMERICAN SUPPLEMENTS 1641 and 1642, E. F. Lake describes simply and thoroughly how a five horse power gas engine can be built at home.



Jaeger
SANITARY GOODS

The ideal underwear for outdoor recreation. No sportsman, hunter, golfer, yachtsman or motorist should be without it.

Special Weights for Fall

DR. JAEGER'S S. W. S. CO.'S OWN STORES:
New York, 305 Fifth Ave., 27 Maiden Lane;
Brooklyn, 504 Fulton St.; Boston, 228 Boylston St.;
Phila., 1516 Chestnut St.; Chicago, 82 State St.
Agents in all Principal Cities.



HARDERFOLD HYGIENIC UNDERWEAR

Inter-Air-Space System

Is two-fold throughout, affording protection against the vicissitudes of our variable climate to

Invalids Athletes
Professional Men
Merchants Accountants

And all occupations in life, indoor or out

Over 1,100 Physicians have united in testifying to the sanitary excellence of the HARDERFOLD system of underclothing.

HARDERFOLD FABRIC CO.
163 River Street, TROY, N. Y.
Send for Catalogue

A Clean Shave

The best of steel cannot hold its edge without stropping. Why scrape your face with dull blades, or continue to throw away money for new ones, when the Gaylor Automatic Stropper will resharpen all your dull blades in a few moments, giving them a hair-splitting edge better than new. The motion is automatic, no practice required, a child can use it.

PRICE \$1.00

In case with barbers' genuine Horse Hide Strop, \$2.00

Order through your dealer. Or will send postpaid on receipt of price. Be sure to state for what make of Blade. Money willingly refunded if not entirely satisfactory. Write for descriptive circular.

L. B. GAYLOR, Allston, Mass.

WEBER GAS POWER PLANTS

ECONOMICALLY USE
Bituminous, Anthracite, Lignite, Peat Charcoal or Coke.
40 to 700 H. P. units, for Mill, Mine or Electric Plants.

Satisfactory plants in all parts of North America. Catalog No. 22 gives facts; ask for it. Horizontal Gasoline Engines; sizes, 3 to 30 H. P. Built right; run right. Buy from the builders direct and save money. 25 years of success in every Engine.

Weber Gas Engine Company,
Box 423 KANSAS CITY, MO.

ROYAL ENGINE

A simple, compact motor of strong, rigid construction, comprising the latest desirable features in gas engineering. 2 1/2 to 15 horse power.

ROYAL EQUIPMENT CO.
145 Housatonic Ave., Bridgeport, Conn.

Save Money by Machinery I

You can do this easily with the right machine in all furniture factories.

DODDS' TILTING CIRCULAR SAW up to 45 degrees, simplifies the work and insures perfect accuracy in cutting. Removable throat in table, 19-inch rip or cross-cut saw with each machine. Write for free illustrated catalogue and price list.

ALEXANDER DODDS, Grand Rapids, Mich., U. S. A.

Pipe Cutting and Threading Machine
For Either Hand or Power

This machine is the regular hand machine supplied with a power base, pinion, countershaft, etc., and can be worked as an ordinary power machine or taken from its base for use as a hand machine. Pipe 1/2 in. to 1 1/2 in. diameter handled easily in small room. Illustrated catalogue—price list free on application.

THE CURTIS & CURTIS CO.
6 Garden St., Bridgeport, Conn. Branch Office, 60 Centre St., N. Y.

TYPEWRITERS ALL MAKES

Visible Writers or otherwise **Olivers, Remingtons, Smiths, etc.** Shipped ANYWHERE for Free Trial, or RENTED, allowing RENT to APPLY.

Prices \$15.00 Up

First class machines fresh from the manufacturers. Write for illustrated Catalogue. Your opportunity.

TYPEWRITER EMPORIUM, (Est. 1892) 92 & 94 Lake St., Chicago

Window chair, H. J. Frey	901,801
Window screen, E. Carney	901,521
Wire stretcher and splicer, H. F. Bone-steel	901,775
Wood and making same, preserved, P. C. Reilly	901,557
Woodworking cutter, rotating, C. F. La Follette	901,626
Work holder, C. M. Deems	901,595
Wrench, C. R. Olberg	901,821
Wringer, S. C. Lawlor	901,910
Writing and similar instruments or tools, holder for, W. Kunde	901,452
Yoke center, neck, C. Lukasiewicz	901,542

DESIGNS.

Automobile hood, W. S. Sherman	39,628
Axle casing, rear, R. Huff	39,629
Bottle, D. Taylor	39,625
Emblem, L. J. Fox	39,622
Grinding mill standard, C. N. McLaughlin	39,627
Knife, spoon, or similar article, G. Strobbaker	39,624
Range, gas, W. M. Crane	39,626
Ring, or similar article, finger, J. A. DeLuisi	39,623
Screen, closet, J. W. Kelly	39,631
Seat end, E. G. Buid	39,630

TRADE MARKS.

Asbestos, J. W. Roberts, Limited	70,939
Atomizers, air pump, W. K. Jahn	70,930
Beer, Du Bois Brewing Co.	70,987
Beer, ale, and porter, lager, International Brewing Co.	70,990
Belts, ladies', S. Isac	70,957
Boots and shoes, leather, Lockett Shoe Co.	70,975
Calamine, Isley Doubleday & Co.	70,956
Calamine, Muralo Co.	70,997
Canned fruits and vegetables, apple butter, catsup, and mince-meat, Nave-McCord Mercantile Co.	70,960
Canned smoked Norwegian sardines in olive oil, H. B. Ritchie	71,000
Cement, brick, or stone, damp proofing coating for, Dexter Brothers Co.	70,985
Chairs, Royal Chair Co.	70,942
Cigars, cheroots, and cigarettes, Guyey-Cagnus Tobacco Co.	70,996
Coffee, A. J. Kasper Co.	70,979
Crackers, soda, Hess Biscuit and Bread Co.	70,955
Cream, toilet, C. B. Woodworth Sons Co.	70,935
Disinfectant, antiseptic, and deodorizing preparation, Schoellkopf, Hartford & Hanna Co.	70,944
Electrical supplies, Johns-Pratt Co.	70,992
Explosives, certain, Curtiss & Harvey	70,923
Fertilizing materials, Wilson & Toomer Fertilizer Co.	70,947
Fish lines, sail, and twine, Ashway Linen and Twine Manufacturing Co.	70,940
Fishing lines, E. J. Martin's Sons	70,994
Flour, wheat, Ogilvie Flour Mills Co.	70,962
Foods, certain, Foley Bros. & Kelly	70,988
Gin, straight shoe, G. Stiegler & Co.	71,003
Grapes, baskets and packages of, Keystone Grape Co.	70,958
Gum, chewing, F. J. Banta & Son	70,981
Gum, chewing, Zeno Manufacturing Co.	71,005
Hams and bacon, Britain & Co.	70,951
Hoisting, dredging, and conveying buckets, William F. Hough Co.	71,004
Hosiery, Des Moines Hosiery Mills	70,954
Hosiery, Shaw Stocking Co.	71,001
Ink and indelible fixative, indelible, R. T. Swenning	70,945
Loom temples, Draper Co.	70,986
Magazine, Cushman Co.	70,953
Magazine, weekly, H. J. Bohm & Co.	70,934
Matches, J. A. Hunt	70,928
Meat extracts, Compagnie des Produits Chimiques Societe Anonyme	70,952
Oil, cotton seed, Union Oil Co.	70,965
Oil, linseed, Mound City Paint and Color Co.	70,993
Oil, olive, J. E. Gatti & Bro.	70,989
Oily preparation, certain, Jacques Wolf & Co.	70,991
Oysters, Miller Bros. & Co.	70,976
Paint, oil, Muralo Co.	70,998
Paints, A. Burdial Co.	70,978
Paints, stains, enamels, etc., Patterson-Sargent Co.	70,999
Pens and paper, E. Gisevius	70,974
Periodical, Railroad Gazette	70,941
Powder and face bleach, talcum and tooth, M. L. Babcock	70,933
Powder for destroying rose bugs, J. C. Clark	70,936
Powder for softening water and cleansing, James Pyle & Sons	70,940
Rugs, Wilton, T. Develon, Jr.	70,983
Rules, measuring, W. Prym	70,963
Sad-irons, M. L. Udwin	70,946
Sardines, Blanchard Manufacturing and Canning Co.	70,950
Sardines, Neuman & Schwager Co.	70,961
Saws, coping, F. P. Maxson	70,995
Shoes, leather, R. P. Smith & Sons Co.	70,964
Soap, Fisk Manufacturing Co.	70,937
Syrup, root beer, Stevens & Dow	71,002
Tea, herb, J. C. Frese & Co.	70,938
Teeth, porcelain, Dentists' Supply Co.	70,927
Textiles, certain, Adams Manufacturing Co.	70,980
Tonic, iron, S. Albert	70,932
Undershirts, drawers, and pajamas, Tim & Co.	70,977
Wall coatings, Muralo Co.	70,959
Watches, watch cases and movements, American-Swiss Watch Co.	70,931
Watchmakers' tools, Kendrick & Davis	70,993
Whisky, B. Ganim & Bro.	70,982

Labels.

"Acne Bar Polish," for a polish, M. Bloomington	14,419
"Aroma," for cigars, McKenzie Bros.	14,409
"Brilliant Metal Polish," for metal polish, Smith Bros. Hardware Co.	14,420
"Coker," for cigars, Hillson Co.	14,410
"Gold Medal Bread," for bread, F. T. Short	14,415
"Griffing Chocolate Co. Breakfast Cocoa," for cocoa, Griffing Chocolate Co.	14,413
"J. Pollack's Famous Stogies," for stogies, J. Pollack	14,411
"Kantleak Duck," for a waterproofed duck, H. Gitterman & Co.	14,422
"Kerchiefs," for handkerchiefs, Royal Paper Box Manufacturing Co.	14,423
"Kleanwell," for tooth brushes, Alfred H. Smith Co.	14,416
"No-Dust," for a compound to be used for the purpose of allaying dust when sweeping floors, Webb-Freyschlag Merc. Co.	14,421
"Oxford Linen Mills Pure Linen," for linen, Oxford Linen Mills	14,424
"Sulpho-Tri-Terpenes," for a veterinary remedy, C. E. Frazier & Co.	14,418
"The Key to Your Success," for a skin cultivator and germ eradicator, G. A. Schmidt	14,417
"The Weber Cocktails," for a beverage commonly known as cocktails, C. F. Weber	14,412
"Witch Brand Flour," for flour, Sands, Taylor & Wood Co.	14,414

PRINTS.

"John J. Clark's Best 6 Cord Spool Cotton," for spool cotton, Blodgett & Orswell Co.	2,365
--	-------

A printed copy of the specification and drawing of any patent in the foregoing list, or any patent in print issued since 1863, will be furnished from this office for 10 cents, provided the name and number of the patent desired and the date be given. Address Munn & Co., 361 Broadway, New York.

Canadian patents may now be obtained by the inventors for any of the inventions named in the foregoing list. For terms and further particulars address Munn & Co., 361 Broadway, New York.

Blue Prints Made Direct from Blue Prints

A wonderful improvement in drafting room methods: Blue prints. Blue-on-white prints and Sepia prints made from any blue print without a tracing. Absolutely practical, easy, cheap. Used by U. S. Government, U. S. Steel Corporation, and many others. Send for circulars. Agencies established.

WILLIAMS, BROWN & EARLE
Makers of Blue Print Coating and Printing Machinery Dept. 6, 918 Chestnut St., Philadelphia, Pa.

WANTED

A Practical, Patented Hose Supporting Device
Address with full particulars
SUSPENDERS, Box 773, New York

LET US BE YOUR FACTORY

STAMPINGS, MODELS, EXPERT WORK
THE GLOBE MACHINE AND STAMPING CO.
370 Hamilton St., Cleveland, O.

ICE MACHINES Corliss Engines, Brewers' and Bottlers' Machinery. **THE VILTER MFG. CO.,** 899 Clinton St., Milwaukee, Wis.

MODELS & EXPERIMENTAL WORK. Inventions developed. Special Machinery. **E. V. BAILLARD, 24 Frankfort Street, New York.**

RUBBER Expert Manufacturers Fine Jobbing Work
PARKER, STEARNS & CO., 228-229 South Street, New York

ELECTRIC GOODS.—Big Cat. 3 cts. Want Agents. Ohio Electric Works, Cleveland, O.

KOEFIT & COMPANY Die Makers, Machinists and Machinery Builders
120 Michigan St., Chicago, U. S. A.

Mechanical Drawings correctly and quickly made. H. C. Karson, Room 123, 39 Cortlandt St., N. Y.

MODELS CHICAGO MODEL WORKS 179 E. MADISON ST. CHICAGO, ILL. ESTABLISHED 1867. WRITE FOR CATALOGUE OF MODEL SUPPLIES.

Experimental & Model Work Cir. & advice free. Wm. Gardam & Son, 221 Fulton St., N. Y.

LEARN WATCHMAKING

We teach it thoroughly in as many months as it formerly took years. Does away with tedious apprenticeship. Money earned while studying. Positions secured. Easy terms. Send for catalogue.

ST. LOUIS WATCHMAKING SCHOOL, St. Louis, Mo.

The Latest and Best A. W. FABER DRAWING PENCILS

"CASTELL"

Made of the purest graphite in 16 degrees of hardness, **6B to 8H**, of the utmost delicacy of tone, permanency, durability and intensity of color.

They take the finest point obtainable of any lead pencil, are least liable to wear, therefore more lasting than any others.

Sold by all stationers and dealers in artists' materials. Sample sent to all parties interested on receipt of 10 cent postage stamp.

A. W. FABER, 49 Dickerson Street, Newark, New Jersey



Scientific American
New York, - 1898-1908
Engineering Number

Issued December 5, 1908
Forms Close Nov. 25, 1908

ON December 5, the publishers of the Scientific American will issue a most comprehensive monograph number relating to the engineering achievements and possibilities of the great City of New York. Never in the history of the world have such extensive and costly improvements been contemplated and begun. Never have such difficult transit problems come to such a speedy and successful completion, while the projects under way or in contemplation will make New York the wonder of the Twentieth Century. The remarkable success of our special issues will be duplicated and exceeded by this issue which will be the most important of them all. Notwithstanding the increased circulation there will be no increase in rates. There will be no extra charge for choice positions such as the inside cover pages. Orders for space will be filled in the order of their receipt. Have strong copy ready and this number cannot fail to benefit the advertiser. Secure a reservation of space at once.

MUNN & COMPANY, Publishers
Scientific American Office, 361 Broadway, New York
Western Office: 1009 New York Life Building, Chicago
New England Office: 43 Tremont Street, Boston