

NEW BOOKS, ETC.

THE MANUAL OF STATISTICS. Stock Exchange Hand-Book, 1908. Thirtieth Annual Issue. Railroad and Industrial Securities, Government Securities, Stock Exchange Quotations, Mining, Grain and Provisions, Cotton, Money, Banks and Trust Companies, New York: The Manual of Statistics Company. 12mo.; cloth; 1080 pages. Price, \$5.

The thirtieth issue will add to the high standing of the manual as a repository of those data which give information on securities, quotations, provisions, banks, trusts, etc. The railroad department comprises the railway companies of the United States, Canada and Mexico, with details of their organization, mileage, capital stock, funded debt and earnings. That of the industrials is a record of manufacturing, street railway, electrical, gas, mining, land, coal, iron and steel, telegraph and telephone and miscellaneous corporations. Such important features as those of government securities of the United States, Cuba, the United Kingdom of Great Britain, and Japan, and all the great municipal securities of the United States and Canada are printed in full. In fact, this is the plan adopted throughout, and the arrangement of the details is so clear that investors and investigators will have the advantage of a complete service down to date that is easy and expeditious to acquire. Eighteen large maps of railroad systems and mining and other industrial districts add to the value of the work.

GEOLOGY OF COAL AND COAL MINING. By Walcot Gibson, D.Sc., F.G.S. London: Edwin Arnold, 1908. 16mo.; pp. 341. Price, \$2.50.

The author has produced an excellent volume on the geology of coal and coal mining. The subject of fossils is admirably treated. Prospecting and boring are taken, and studies on an exposed and on a concealed coal field are given. Then follow chapters on the coal fields of Great Britain, continental Europe, North America, Africa, India, Australia, China, Japan, New Zealand, and the Dutch East Indies, not forgetting the comparatively small fields of South America. The book is well illustrated and printed.

THE FALLS OF NIAGARA. Their Evolution and Varying Relations to the Great Lakes; Characteristics of the Power, and the Effects of Its Diversion. By Joseph William Winthrop Spencer, M.A., Ph.D., F.G.S. 1905-6. Ottawa: Geol. Surv. Canada, 1907.

The latest and most elaborate study of the physical history of Niagara deals primarily with the history of the recession of the cataract from end to end and describes with much detail the local physical features, the contemporaneous distribution and discharge of waters in the region of the Upper Lakes, as well as the sequence of water levels in the Ontario basin. The author has computed the time which it probably took for the river and cataract to reach their present stage.

THE WIFE AS A FAMILY PHYSICIAN. By Anna Fischer-Dueckelmann, M.D. Milwaukee: International Medical Book Company, 1908. Large 8vo.; pp. 870; 27 full-page color plates and prints; 440 original text illustrations. Price, \$5.

This portly volume is a practical book of reference to the family in health and in sickness. It is written by a graduate of the University of Zurich, and has been translated and adapted with the collaboration of a staff of eminent physicians. The publishers inform us that the book has had an extraordinary success in Europe, having been published in eleven different languages, and several million copies having been sold. It would seem that this, in itself, is sufficient evidence of its merit. From the scientific point of view we do not, of course, recommend everyone to be his own physician, because in that case he is apt to have a bad patient. But the present book recommends the natural healing art and does not, as a rule, prescribe drugs. It does not tend to make the service of a physician unnecessary; but its aim is to teach people a hygienic mode of life and to take sensible precaution against disaster. The book is profusely illustrated and is well printed and bound.

PRACTICAL IRRIGATION: ITS VALUE AND COST. By August J. Bowle, Jr., S. B. New York: McGraw Publishing Company, 1908. 8vo.; pp. 232. Price, \$3.

The prospect of converting desert land into flourishing country lends the most attractive aspect to irrigation. Some people, carried away with the possibilities of irrigation, lose sight of the all-important financial end of the question, and make extensive investments in plant which is unnecessary or unsuited to the work to be done. Others, with ill-advised ideas of economy, endeavor to irrigate their land without properly laying it out, and spend for labor many times the cost of a suitable installation. To speak intelligently about irrigation we must know the cause and the value, not only of the plant as a whole, but of the individual parts thereof. The author has written a very carefully balanced book, which should be indispensable to all engineers and others who are interested in irrigation work. We are particularly impressed with the common-sense methods which the

author suggests. For instance, he states that where the cost of obtaining water is high, expensive means of preventing seepage may be justified. When the fuel is high, and the plant is operating under a high level of efficiency, a high-grade plant should be installed. Where fuel is cheap and cheap low-grade labor is available, it may be folly to install a high-grade plant with its added expenses and complication. It has been the endeavor of the writer to furnish data for determining the cost and value of irrigation and of the apparatus and machinery which may be used therein.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending September 1, 1908,

AND EACH BEARING THAT DATE

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

Table listing inventions with patent numbers, including items like Abrading machine, Acid baths, Adding machine, etc.

Table listing inventions with patent numbers, including items like Clothes pressing and cleaning apparatus, Clutch, roller, W. J. Olds, Clutch-throwing mechanism, etc.

Table listing inventions with patent numbers, including items like Ingots, plates, sheets, tubes, wires, and like products, Insect exterminator, Insulating coupling, etc.

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. All orders must be accompanied by a remittance. Further information sent on request.

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. There is no charge for this service. In every case it is necessary to give the number of the inquiry. Where manufacturers do not respond promptly the inquiry may be repeated.

MUNN & CO.

BUSINESS OPPORTUNITIES.

A CORPORATION of highest standing having large well equipped factory and selling organization, and ample capital, desires to manufacture and market mechanical inventions of unquestioned merit. Correspondence solicited. Address K. A., Box 773, N. Y. City.

Inquiry No. 8607.—Wanted to buy an electric incubator.

WEBB'S "HINGE JOINT" BELT HOOKS.—No tool required. Are beaten into belt with a hammer. Send \$1.00 for 500 hooks. Makes 6 feet in width of belt. Webb Hinge Belt Hook Co., Boonton, New Jersey.

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

WANTED.—Information regarding good patent which would be money-maker. Only inventor, who wishes to sell outright or on royalty, need answer. Give price and brief description. S. M., Box 848 R. G., Rochester, N. Y.

Inquiry No. 8628.—Wanted to buy paving block machines for use with partly fluid substances.

BUSINESS BOOK FREE. Tells how you can secure the actual working plans, the money-making systems, schemes and short cuts of 112 great, big business men—to increase your salary—to boost your profits. Book is free. System, Dept. 177, 151-153 Wabash Ave., Chicago.

Inquiry No. 8650.—Wanted to buy file cutting machinery.

PATENTS FOR SALE.

FOR SALE.—Patent No. 886,389, issued May 5, 1908. A fish-tail propeller. Reduces friction to a minimum, giving greater obtainable speed than ordinary propeller, with reduced coal consumption. I have sole United States patent right over same. Address Frank S. Merrow, Apartado No. 684, Mexico City.

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

PATENTS No. 809,304 and 865,044.—Sectional expanding metal culvert. Three years on market. Well advertised. Outright sale or royalty in unoccupied territory. Wm. Isham, Butternut, Michigan.

HELP WANTED.

WANTED.—Competent foreman for modern shot-making plant having capacity of 15,000 to 20,000 tons a year. In writing, state experience and give references. Winchester Repeating Arms Co., New Haven, Conn.

Inquiry No. 8684.—Wanted to buy 1 1/2 to 2-inch No. 13 to 15 tempered spring steel.

PHOTOGRAPHY.

AMERICAN PHOTOGRAPHY.—A monthly magazine containing up-to-date information about photographic processes, formulas and new apparatus. Each number is filled with numerous illustrations of recent pictorial photographs. Valuable to the professional and beginner. 15 cents monthly, \$1.50 per year. Three specimen copies for 25 cents. Am. Photographic Publishing Co., No. 5 Beacon Street, Boston, Mass.

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

BOOKS AND MAGAZINES.

BUILD MISSION FURNITURE. Send 20 cents for three designs of easily made pieces of furniture for hall, den or library. Full directions for making and putting together. Furniture can be made by anyone who can handle a saw. List of books on home handicrafts free. Ask for free sample copy of Electrician and Mechanic, finely illustrated magazine written in popular style, devoted to all kinds of mechanical work. Sampson Publishing Company, 1151 Beacon Building, Boston, Mass.

Inquiry No. 8691.—Wanted to buy for export to British Guiana alcohol motors.

PROFESSIONAL CARDS.

DRAWINGS.—Inventions, special designs and miscellaneous working drawings. Terms reasonable. Address J. E. Hill, 347 W. 55th Street, New York.

Inquiry No. 8692.—Wanted to buy kerosene oil motors for export.

LISTS OF MANUFACTURERS.

COMPLETE LISTS of manufacturers in all lines supplied at short notice at moderate rates. Small and special lists compiled to order at various prices. Estimates should be obtained in advance. Address Munn & Co., List Department, Box 773, New York.

Inquiry No. 8694.—Wanted to buy fly wheels and ball bearings.

A LIST of 1,500 mining and consulting engineers on cards. A very valuable list for circularizing, etc. Price \$15.00. Address Mann & Co., List Department, Box 773, New York.

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

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

Inquiry No. 8710.—For machinery for carding, spinning and weaving jute.

Inquiry No. 8716.—For manufacturers of flower garden and light frame tools for cultivating, etc.

Inquiry No. 8719.—For manufacturers of safes.

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

Inquiry No. 8726.—For parties who make "Yankee Metal Polish."

Inquiry No. 8728.—Wanted the address of The Fear Novelty Co.

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

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

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

Inquiry No. 8738.—For parties manufacturing casein cement.

Inquiry No. 8742.—For manufacturers of water still, also of thermos-tube tubing.

Inquiry No. 8746.—For dealers in paper and cardboard making machines.

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. 8751.—For manufacturers of brass, tea, dessert and table spoons for silver plating.

Inquiry No. 8752.—For manufacturers of paper mill machinery for the manufacture of strawboard and wrapping paper.

Inquiry No. 8757.—Wanted address of the manufacturer of "The Index Incandescent Kerosene Burner."

Inquiry No. 8759.—For a firm to do porcelain enameling of ventilator tops, such as used on the outside of arc lamps.

Inquiry No. 8761.—Wanted to buy a small carriage propelled by electricity so that a lame person may get about by himself.

Inquiry No. 8766.—For parties making pressed paper goods.

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. 8778.—For manufacturers of reapers, binders and mowers.

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. 8780.—For parties who make gasoline stoves.

Inquiry No. 8783.—For manufacturers of small drummer's traps as whistles, rattles, rooster crows, etc.

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 1/4 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 hand pump."

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

Inquiry No. 8794.—For manufacturers of the "Ideal Dust Pan."

Inquiry No. 8795.—For a mechanical device for catching or destroying flies, mosquitos, etc.; also traps for catching snakes.

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

Inquiry No. 8797.—For manufacturers of fiber.

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 pegamold.

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. 8808.—For manufacturers of machinery for making bungs for barrels.

Inquiry No. 8809.—For the manufacturers of metalized flowers used for hat pins, etc.

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. 8817.—For a firm that forms small articles of wire, also a firm to make wooden rings about 3 or 4 inches in diameter.

Inquiry No. 8818.—Wanted to buy specialties in large quantities.

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

Inquiry No. 8820.—Wanted to buy pressed fiber boards 1 foot wide and from 1/8 to 1/4 inch thick.

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. 8823.—For manufacturers of crepe paper and paper novelties.

Inquiry No. 8824.—For a firm to design and build an automatic machine for making finger shields.

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. 8828.—Wanted to buy thin, highly tempered steel for safety razors.

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 shell-machin.

Inquiry No. 8834.—Wanted to buy a 2-horse-power 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 hydro-carbon 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.

Table listing various mechanical and industrial items with their corresponding prices. Items include rail joints, saws, pumps, and various tools.

"Woing the Wood" advertisement featuring an illustration of a person using a tool to work on wood. Text describes the tool's capabilities for various woodwork tasks.

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

WORK SHOPS advertisement. Text: "of Wood and Metal Workers, without steam power, equipped with BARNES' FOOT POWER MACHINERY allow lower bids on jobs, and give greater profit on the work. Machines sent on trial if desired. Catalogue Free. W. F. & JOHN BARNES CO. Established 1872. 1999 RUBY ST. ROCKFORD ILL."

The Perfection Wrench advertisement. Text: "Newest wrench on the market. Best 'all-round' tool ever made. All steel—great strength. Instantly adjusted. Easily and quickly operated. Immense time, temper and trouble saver. Indispensable to a home-billster. After using the 'Perfection' once, you will never buy any other make wrench. Write for circular to THE PERFECTION WRENCH CO. Box 426, Port Chester, N. Y."

SPECIAL TO AUTOMOBILISTS advertisement. Text: "Bosh Magneto Plugs only \$1.25 each. Guaranteed in every respect. We sell automobile supplies cheaper than any supply house in the United States. We buy in quantities and sell by mail only; we have over 10,000 customers. We sell anything from an automobile to an oil can. Send for our weekly bargain sheet; it will interest you and save you money. CONSUMERS AUTO SUPPLY CO., 1252-1254 Wabash Avenue, Chicago, Ills."

MEDAL OF HIGHEST AWARD advertisement. Text: "JAMESTOWN EXPOSITION. Add TONE to your Stationery in the OFFICE, BANK, SCHOOL or HOME by using only Wabburn's 'FAL' 'O.K.' PAPER FASTENERS. These are genuine pleasure in their use as well as Perfect Security. Easily put on or taken off with the thumb and finger. Can be used repeatedly and 'they always work.' Made of brass, 3 sizes, in brass of 100 fasteners each. Send 10c for sample box of 50, assorted. Booklet free. THE O.K. MFG. CO., Dept. X Syracuse, N.Y. 13209"

THE BEST LIGHT Spectacles and Eyeglasses advertisement. Text: "area superiority where our lamps are used. Portable, 100-candle power and produces a safe, white, powerful, steady light with No odor, dirt, grease or smoke. Every lamp warranted. Costs 2c per week. AGENTS WANTED EVERYWHERE. THE BEST LIGHT CO. Patent Owners of Original 87 E. 5th St., Canton, O."

Tools! Tools! Tools! advertisement. Text: "We keep all kinds. Send your name on a postal and get our 88-page Booklet. Montgomery & Co., 109 Fulton St., New York City"

WELL DRILLING Machines advertisement. Text: "Over 70 sizes and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on skids. With engines or horse powers. Strong, simple and durable. Any mechanic can operate them easily. Send for catalogue. WILLIAMS BROS., Ithaca, N. Y."

SPARK COILS advertisement. Text: "Their Construction Simply Explained. Scientific American Supplement 160 describes the making of a 1 1/4-inch spark coil and condenser. Scientific American Supplement 1314 tells you how to make a coil for gas-engine ignition. Scientific American Supplement 1522 explains fully the construction of a jump-spark coil and condenser for gas-engine ignition. Scientific American Supplement 1124 describes the construction of a 6-inch spark coil. Scientific American Supplement 1087 gives a full account of the making of an alternating current coil giving a 5-inch spark. Scientific American Supplement 1527 describes a 4-inch spark coil and condenser. Scientific American Supplement 1402 gives data for the construction of coils of a definite length of spark. The above-mentioned set of seven papers will be supplied for 70 cents. Any single copy will be mailed for 10 cts. MUNN & COMPANY, Publishers 361 Broadway New York"