

Business and Personal Wants.

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. In every case it is necessary to give the number of the inquiry.

MUNN & CO.

Marine Iron Works. Chicago. Catalogue free.

Inquiry No. 7848.—Wanted, address of a manufacturer of silk-covered head tacks, also glass bead tacks.

For logging engines. J. S. Mundy. Newark, N. J.

Inquiry No. 7849.—For manufacturers of a tool or machine that will engrave on celluloid or ivory.

"U. S." Metal Polish. Indianapolis. Samples free.

Inquiry No. 7850.—For manufacturers of air compressors and granite-cutting machinery.

Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.

Inquiry No. 7851.—For manufacturers of machinery for making buttons from shells; also for decaimanie or transfer illustrations.

WANTED.—Purchaser for Monazite, Molybdenite and Wolfram. Apply Monasite, Box 773, New York.

Inquiry No. 7852.—Wanted, information concerning the Braum-Viga calculating machine.

I sell patents. To buy, or having one to sell, write Chas. A. Scott, 719 Mutual Life Building, Buffalo, N. Y.

Inquiry No. 7853.—Wanted, information on price of aluminum paper, also makers and sellers of same.

The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Machine Company—Foot of East 138th Street, New York.

Inquiry No. 7854.—For manufacturers of moulds and machinery for making cement shingles and roof tiling, also the address of manufacturers making power and hand power concrete mixers of different designs.

Manufacturers of patent articles. Yes, metal stamping, screw machine work, hardware specialties, machinery tools, and wood fiber products. Quadriga Manufacturing Company, 38 South Canal St., Chicago.

Inquiry No. 7855.—For manufacturers of paper wash.

WANTED.—To secure a party to manufacture a patent Batchet Drill. Address Drill, Box 773, New York.

Inquiry No. 7856.—For manufacturers of hand power spoon-making machine (from a sheet of brass).

Bates & Peard furnace for bright annealing all non-ferrous metals. Without oxidation. No pickling or cleaning required. C. M. Dally, Agent, 29 Broadway, New York.

Inquiry No. 7857.—For manufacturers of a machine converting peat into fuel.

I have for sale the U. S. and all foreign rights of new patent improvements in Water Tube Types of Boilers. Great economizer. J. M. Colman, Everett, Wash.

Inquiry No. 7858.—Wanted, information on ship-plumbing, also manufacturers.

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Inquiry No. 7859.—For manufacturers of small cast gears, also of moving picture slot machines.

Inquiry No. 7860.—For manufacturers of Lane's slow-speed rotary quartz crusher.

Inquiry No. 7861.—For manufacturers of nib-making machines, also machine for making the pin.

Inquiry No. 7862.—For manufacturers of a machine for making bricks out of sand and lime.

Inquiry No. 7863.—For manufacturers of wire.

Inquiry No. 7864.—For manufacturers of Buckey tile ditchers.

Inquiry No. 7865.—For manufacturers of machines for renovating butter.

Inquiry No. 7866.—For manufacturers of machinery for making and nailing wooden boxes.

Inquiry No. 7867.—For manufacturers of veneering machinery.

Inquiry No. 7868.—For manufacturers of light metal wheels, such as are used in the construction of corn cultivators.

Inquiry No. 7869.—For parties making mounted springs that would be able to coil up 50 feet of No. 14 insulated wire.

Inquiry No. 7870.—For manufacturers of a three horse eyebar without a whiffletree; also manufacturers of pen holders with spring inside where pen is inserted.

Inquiry No. 7871.—For manufacturers of razor-grinding machines.

Inquiry No. 7872.—Wanted, address of Zuchanas Mower Grinder Co.

Inquiry No. 7873.—Wanted, brass or copper tack 3/4 inch long, with long oval head, narrow or one with head flat, round, 1/2 inch diameter, 1-1/2 inch thick on 3/4 inch wire or cut.

Inquiry No. 7874.—For manufacturers of the Torpedo stalk cutter.

Inquiry No. 7875.—For manufacturers of lathes or machines which will turn out any shape of briar tobacco pipes.

Inquiry No. 7876.—Wanted, the name and address of the manufacturers of the Babcock milk tester.

Inquiry No. 7877.—For makers of cheap electric pocket lamps, and small electric novelties.

Inquiry No. 7878.—Wanted, a machine, patented by Mr. Christian Rotts, for cracking off lamp chimneys and tubular glassware.

Inquiry No. 7879.—Wanted, a water still, of capacity of 100 gallons daily.

Inquiry No. 7880.—For manufacturers of blowers.

Inquiry No. 7881.—For makers of vulcanizers, rubber stamps, and supplies for same.

Inquiry No. 7882.—Wanted, Bowe's quick-opening hose couplings.

Inquiry No. 7883.—For makers of bottling machines; also for information regarding the manufacture and bottling of carbonated drinks.

Inquiry No. 7884.—For makers of saw machines, or saw mills for squaring small timbers, from 1 inch up to 8 inches.

Inquiry No. 7885.—For makers of luminous paint.

Inquiry No. 7886.—For makers of small castings cast in metal moulds, to exact size.

Inquiry No. 7887.—For makers of sewing machine needle-threaders, having a flange on both sides.

Inquiry No. 7888.—For manufacturers of gas-making machinery, for illuminating purposes.

Inquiry No. 7889.—Wanted, addresses and catalogues of companies manufacturing small dynamos.

Inquiry No. 7890.—For manufacturers (in Canada) to undertake the manufacture of a candy holder.

Inquiry No. 7891.—For makers of brass trimmings for gasoline launches, etc.

Inquiry No. 7892.—Wanted, makers of leaded glass windows and doors.

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How To Increase Your Business

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Notes and Queries.

HINTS TO CORRESPONDENTS. Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication.

References to former articles or answers should give date of paper and page or number of question. Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and, though we endeavor to reply to all either by letter or in this department, each must take his turn.

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Books referred to promptly supplied on receipt of price.

Minerals sent for examination should be distinctly marked or labeled.

(9888) R. E. A. says: In reading descriptions of steamers, warships, etc., I am always confused as to the exact meaning of the terms "displacement," "gross tonnage," "net tonnage," "register," and "tonnage." A. The term "displacement" refers to the weight of the ship with everything it contains. A floating body displaces an amount of water whose weight is exactly equal to the weight of that body. If we could weigh the water that would fill the hole which a floating vessel makes in the ocean, we would find that it weighed exactly as much as the vessel itself. "Tonnage" refers to the carrying capacity of a vessel, and this is determined by measuring the internal capacity of the ship; that is to say, the whole space within the hull and deck houses. This amount in cubic feet divided by 40 gives the gross tonnage. If we subtract from that the space which is given up to engines, cabins, etc., we have the net tonnage, or the tonnage that can be given over to a cargo. The registered tonnage is the official tonnage as registered at the Custom House.

(9889) F. O. asks: 1. I am desirous of obtaining a formula for making a cement that will make wood firmly adhere to glass. A. Take 2 ounces of a thick solution of glue, and mix with 1 ounce of linseed oil varnish, or 1/4 ounce of Venice turpentine. Boil together, agitating until the mixture becomes as intimate as possible. The pieces cemented should be clamped together for a space of forty-eight to sixty hours. 2. Please give a simple rule, if there be one, that I can tell what day of the week a date is on prior to our present year. A. To find the day of the week any event in the recent past occurred, we must consider that each common year begins and ends on the same day. 1905 began and ended on Sunday, 1906 begins and ends on Monday. A leap year ends one day later in the week than it begins. The days of the week therefore fall backward as we go back in the years one for all years and one more for every leap year. Find the number of years elapsed since the date we wish to find. Find also the number of leap years, by dividing the number of years by four, and reducing this number by one if the date is in the last century, since 1900 was not a leap year, and by two if the date is in the eighteenth century, since 1800 was not a leap year. The sum of the leap and common years will be the number of days of the week by which the day of the week has been moved backward. Divide this by 7 to find how many whole weeks this gives and what remainder there is. Now count the days of the week backward as many as the remainder after dividing by 7, and you will have the day of the week required. Thus, on what day was the Declaration of Independence made July 4, 1776? July 4, 1906, is Wednesday. Since 1776, 130 years have passed; 32 of these would have been leap years; but we subtract 2, for 1800 and 1900, which leaves 30 leap years. The day of the week has moved back one day for each of the 130 years and another day for each of the 30 leap years, or 160 days in all. This equals 22 weeks and 6 days, and 6 days back from Wednesday is Thursday, which was July 4, 1776. New Style was introduced in England in 1752; the 3d of September was called the 14th. This is the first day of New Style, and the day before was September 2, 1752, the last day of Old Style. The rule given above applies to all dates later than September 14, 1752, which day was Thursday. For dates in the future the same rule may be followed, excepting that we must count forward in the week instead of backward. Thus, on what day does January 1, 1920, fall? January 1, 1906, occurs on Monday. Fourteen years intervene, three of which are leap years. This sets the day of the week forward 17 days, or 2 weeks and 3 days, and 3 days from Monday is Thursday. January 1, 1920, will be Thursday. In a similar manner the day for any date may be found. This method is not new, but has been published before, perhaps many times. It appeared in Popular Astronomy, December, 1905, and was derived by the author of that paper from Newcomb and Holden's "Popular Astronomy." Such processes are of considerable interest and value, but unless one preserves them they are soon lost. One's memory cannot be relied upon to retain them.