

RECENTLY PATENTED INVENTIONS. Electrical Devices.

SPEED-INDICATOR.—G. IHLE, 4 Alexandrinenstrasse, Berlin, Germany. The object of this invention is to make an improvement in speed-indicators with magnets and indicating members rotating around the same axis.

Of Interest to Farmers.

ALARM.—H. IRWIN, Fern Hill, Hawkes Bay, New Zealand. The invention relates to alarms, and more particularly to those adapted to serve as scarecrows. Its principal object is to provide an efficient apparatus by which a series of explosions may be produced at definite intervals for the purpose of frightening birds or animals away from trees, crops, and the like.

BREED-CULTIVATOR.—O. SORENSON, Fowler, Col. This implement may be conveniently attached to a sulky. To the axle draw-bars are attached, which extend rearwardly and carry handles. The rear end of these bars are formed into forks to which brackets are pivotally attached, the latter formed integral with special saddle-plates.

FEEDING DEVICE FOR POULTRY.—H. P. NOTTAGE, Goshen, Mass. In use the feed gravitates, and the finer particles are precipitated from the three compartments of the box through the meshes of the screen which covers the opening leading from one to another compartment therefor in the trough.

Of General Interest.

ADJUSTING DEVICE FOR PRINTING-BLOCKS.—W. H. WALDRON, New Brunswick, N. J. Printing-blocks with which linoleum-printing machines are supplied are of considerable length, and apt to bend, so that parts of the printing-surface are impressed with too much force upon the fabric and other parts are either impressed too lightly or do not print.

AUTOMATIC FEED DEVICE.—E. J. ERICSSON, San Francisco, Cal. The invention relates to water distribution; and its object is to provide a new and improved automatic feed device for supplying water to flush-tanks, leader-traps, surface drains, and similar contrivances, and the water-supply of which is not sufficiently regular to maintain a permanent seal, as required by modern sanitary plumbing.

BOBBIN.—C. C. COST, Bismarck, N. D. One of the principal objects of the inventor is to provide a bobbin by the use of which the necessity of unwinding the same is obviated, thereby dispensing with the use of balling-machines, as well as labor attendant thereupon.

Household Utilities.

CLOSET-TANK.—W. C. A. VISSING, JR., Salt Lake City, Utah. Closet-tanks as now constructed consist of several parts, sometimes containing as many as thirty or more. There are many chances of their getting out of order, and when the float is broken or fails to work they are likely to overflow, thus causing damage.

SCRUBBING DEVICE.—H. E. H. ARMANN, Gardar, N. D. The invention pertains to a device for brushing and scrubbing. It is especially applicable for use upon floors, but is not strictly limited thereto.

Machines and Mechanical Devices.

MACHINE FOR PRINTING AND ISSUING RAILWAY-TICKETS.—R. T. PISCICELLI, Piazza della Borsa, No. 22, Naples, Italy. Tickets printed may be either for predetermined or other stations. The machine prints: the name of the issuing station; the station for which ticket is issued; the date of issue; the number; the class and kind of tickets; the price; the number of the train; and information, advertisements, etc., on the back.

HOISTING AND CONVEYING APPARATUS.—C. J. HÖRGEN, New York, N. Y. This patentee's invention relates to a device for hoisting and conveying purposes in general, and is especially applicable to loading and unloading ships. It comprises a cable or similar flexible element placed on an incline and a carriage mounted on the cable and adapted to move along it, the carriage being provided with automatic means for manipulating a pulley to assist in the several operations of loading and unloading.

Designs.

DESIGN FOR A ROSARY.—H. F. NEHR, New York, N. Y. The ornamental effect secured by this designer is made neat and chaste. The junction of the loop and pendant is made by a heart shaped metal containing a head of Christ. A plain and well proportioned crucifix is at the usual end of the rosary.

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.

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.

- Marine Iron Works, Chicago. Catalogue free. Inquiry No. 8006.—For manufacturers of novelties and specialties. For hoisting engines, J. S. Mundy, Newark, N. J. Inquiry No. 8007.—For manufacturers of street cleaning or street sweeping machines.

- "U. S." Meral Polish, Indianapolis. Samples free. Inquiry No. 8008.—For manufacturers of composite wire for making watch chains. I sell patents. To buy, or having one to sell, write Chas. A. Scott, 715 Mutual Life Building, Buffalo, N. Y. Inquiry No. 8009.—Wanted, address of any company which treats on the subject of "Expanded Metal" and also address of some gas-producing company whose outfit would not exceed four or five thousand dollars.

- 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. 8010.—For manufacturers of egg separators. PATENTS.—European Rights. I want sole agency for Europe for good-selling patents, or might buy rights. James R. Moodie, 73 Inverleith Row, Edinburgh, Scotland. Inquiry No. 8011.—Wanted, address of parties who install galvanizing plants.

- Well gotten up typewritten letters will increase your business. \$2 per 1000. Typewritten Letter Co., St. Louis. Inquiry No. 8012.—For manufacturers of machines for scoring scale on rulers. 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. 8013.—For manufacturers of bench plane handles and stocks.

- Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery tools, and wood fiber products. Quadriga Manufacturing Company, 18 South Canal St., Chicago. Inquiry No. 8014.—For manufacturers of street sweepers. FOR SALE.—One Sphaer Hydraulic Platen Press, 60 tons pressure, 18 inches platen with a 12-inch movement of ram; complete, with pump belt drive, lock-up pressure and safety valve. Vacuo-Static Carbon Co., Mill and Platt Sts., Rochester, N. Y. Inquiry No. 8015.—For manufacturers of fire extinguishers. FOR SALE.—At Taunton, Mass., patterns, patents, drawings; 4 to 25 horse-power gas or oil engines. Ten years test. Can furnish sample. Hadwen Swain Mfg. Co., 505 Sacramento St., San Francisco, Cal. Inquiry No. 8016.—For manufacturers of chains for weight clocks. FOR SALE.—Patent rights for United States on three illustrated post card novelties. If interested send 50c for samples. W. Becker, Jeffersonville, N. Y. Inquiry No. 8017.—Wanted, address of parties who can give the most modern method of condensing or extracting water from sweet skimmed milk. Inquiry No. 8018.—Wanted, address of makers of gas producer plants suitable for cooking, heating and lighting ordinary dwellings. Inquiry No. 8019.—For manufacturers of Squeezre's easy floor cleaner or mop. Inquiry No. 8020.—Wanted, address of parties making Brandt's kerosene pumps, tin pierceing. Inquiry No. 8021.—For manufacturers of machinery and apparatus for the manufacture of liquid carbonic gas. Inquiry No. 8022.—For manufacturers of decorating machines for jute fiber. Inquiry No. 8023.—Wanted, manufacturers to make connecting fittings for wagon tongues and neck yokes consisting of castings and ball bearing pivot. Inquiry No. 8024.—For manufacturers of a machine for rolling and gluing paper funnels or cornucopias.



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.

Buyers wishing to purchase any article not advertised in our columns will be furnished with addresses of houses manufacturing or carrying the same. Special Written Information on matters of personal rather than general interest cannot be expected without remuneration. Scientific American Supplements referred to may be had at the office. Price 10 cents each. Books referred to promptly supplied on receipt of price. Minerals sent for examination should be distinctly marked or labeled.

(9941) A. J. C. asks how to polish German silver. A. Take 1 pound peroxide of iron, pure, and put half of it into a wash basin, pouring on water, and keeping it stirred until the basin is nearly full. While the water and crocus are in slow motion, pour off, leaving grit at the bottom. Repeat this a second time, pouring off into another basin. Cleanse out grit, and do the same with the other half. When the second lot is poured off, the crocus in the first will have settled to the bottom; pour off the water gently, take out the powder, dry it, and put both when washed clear of grit, and dried, into a box into which dust cannot get. If the silver work is very dirty, rub the mixture of powder and oil on with the fingers, and then it will be known if any grit is on the work.

(9942) P. E. M. asks how to remedy a warped pole. A. Wet the concave side, and then hold the convex side to the fire.

(9943) J. V. B. says: Is it a scientific fact that when a fluid issues from an orifice, a rectangular aperture for example, the flow, which just after issuing is rectangular in section like the hole, twists about so that a short distance from the orifice the section is a rectangle having its corresponding sides at right angles to those of the hole? A. It is a fact that a fluid, issuing from a rectangular orifice, twists about in position as you describe. This is due to the fact that fluid rushing through the corners of the rectangular orifice tends to flatten out after leaving the orifice, while that part of the fluid coming through at the sides tends to bulge, thus giving the effect of apparently twisting in the flow. We have no SUPPLEMENT articles with regard to this matter, and we know of no published data on the subject.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending April 3, 1906.

AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

- Acid, making sulfuric, R. Knietzsch, 816,918. Adding device, L. E. Coleman, 816,781. Advertising apparatus, display, E. O. Wilcox, 816,632. Aerial cables, suspending, L. A. McNeil, 816,991. Air currents, means for producing, B. A. Stone, 816,759. Air lock, S. W. Chiles, 816,642. Air ship, dirigible, A. Bratschie, 816,706. Air to electric discharges, apparatus for subjecting, Mitchell & Parks, 817,082. Ammonia, producing, Lyons & Broadwell, 816,928. Ammonia vaporizer, J. Robson, 816,743. Anchor, George & Smith, 816,857. Anchor, guy, C. J. Widmer, 816,631. Anchor, land, W. E. Cissna, 817,044. Animal trap, C. E. Nelson, 816,814. Anticreep, C. Lien, 816,926. Apparel pad, H. W. Thompson, 817,020. Atomizer, I. G. Gurnee, 816,656. Automobile horns, means for blowing, G. W. Lorimer, 817,125. Automobile wheel, C. B. Kimball, 816,666. Barber's appliance, G. W. Hale, 817,111. Barrel forming device, I. H. Melvin, 816,872. Barrels and pipes, lining working, N. C. Stoner, 816,890. Bath spray, A. 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