

RECENTLY PATENTED INVENTIONS.

Miscellaneous.

RATTLE.—L. J. BAILEY, Clifton, Kan. In carrying out this invention the inventor makes a rattle-box of a series of plates, interlocked to form a box containing one or more balls. One of these plates is prolonged to form a handle. The other plates are made substantially alike, recessed in one face, providing shoulders near the opposite edges of the plate facing inwardly to overlie and secure the plates which are fitted edgewise thereto.

TOOL FOR PYROGRAPHIC WORK.—Z. N. TYSSOWSKA, Chicago, Ill. In this tool the inventor provides means by which the current of hot gases issuing from the tool may be kept at a high temperature and utilized for burning and scorching purposes in artistic delineation. Means are also provided for projecting the hot gases in a stream and indicating the direction of this stream and concentrating it upon the work.

LIQUID-MEASURE.—H. J. BRANTLEY, Valdosta, Ga., and J. C. BRANTLEY, Marksville, Miss. The intention in this invention is to improve measuring apparatus, especially in that class designed for use in dispensing liquids. The measuring vessel is constructed with a central journal portion and with the reservoir portions on opposite sides of the latter. The weight of such vessel and of the reservoir portions are so distributed that the measuring vessel can be easily turned and there will be no twisting strain in the bearing portion of the casing.

FOUNTAIN DRAWING OR RULING PEN.—W. C. PETTEE, New York, N. Y. The instrument invented by Mr. Pettee, has for its object the provision of a new and improved drawing or ruling pen which is simple in construction and arranged to supply ink to the ink-points without the ink unduly drying up. The arrangement permits convenient setting, filling, and cleaning whenever desired.

BROODER.—C. STAFF, Peapack, N. J. In the operation of this brooder or hover, the heat from a lamp passes into the heating-box along the box at the opposite side and out through a tube. This provides a continuous current of heated air. The air passes into a hood and thence through an opening into a casing, where it is heated by radiation from the heating-box and kept at an even temperature.

MUSIC-HOLDER.—U. C. TERWILLIGER, Islip, N. Y. This invention consists of a simple, light, and practical construction of a holder which is an improvement on that form of music-holder for the use of bandmen and others which is made in the shape of a pocket with transparent sides, inclosing the music so as to protect it from the weather and yet permit the music to be read through the transparent sides.

CALCULATING DEVICE.—W. T. WILLIAMS, Brooklyn, N. Y. The device contrived by Mr. Williams belongs to that class employed in the solving of problems and known as "calculating devices;" and its aim is to provide one which shall be capable of ready adjustment in a manner to clearly and in a sense instantly present to the mind of the user the result of various arithmetic problems required by the user, and one which shall possess advantages over prior analogous devices.

OIL-CAN.—W. J. DONNELLEY, Victor, Col. This hand oil-can is adapted to the use of machinists and others, and the object of the improvement is to provide such a can as may be readily carried in the pocket and one that is automatically sealed when not in use. It is particularly adapted for using heavy oils.

CYLINDER AND PISTON PACKING.—J. E. DOUGLAS, Birmingham, and G. W. HAYS, Avondale, Ala. The invention provides improvements in the packing of cylinders and pistons. The object is the provision of a simple, economical, durable, and effective packing which can be conveniently applied to pistons in course of construction and to those already in use. It may be used on solid or skeleton pistons or with followers.

COMB.—T. DOUGLAS, New York, N. Y. The object of this invention which relates to improvements in toilet or hair combs, is to provide a comb of simple and inexpensive construction having a liquid holder and distributor, so that while in use water, hair-dye, hair-cream, or other liquid may be applied to the hair.

WASHING-MACHINE.—G. H. RHODES, Healdsburg, Cal. A peculiar form of drum is employed in this improvement. It is suspended to rock or turn on a transverse axis and the configuration of the drum is designed for throwing the fabrics from one side to the other of the drum and for causing portions of the fabrics which do not come in contact with the drum surfaces to frictionally rub against each other during oscillation of the drum, whereby all portions are cleaned without injury.

TRICK TOY.—J. R. ARMSTRONG, Pittsburg, Pa. The purpose claimed in this trick apparatus is to provide a toy adapted to illustrate the counting of money from blanks and to so construct the device that repeated operations may be successfully performed whereby to seemingly strike up a number of coins from a number of blanks.

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. MUNN & CO.

Marine Iron Works, Chicago. Catalogue free. Inquiry No. 4203.—For makers of safety oil lamps for railroad cars, which extinguish automatically in case of collision or accident.

AUTOS.—Duryea Power Co., Reading, Pa. Inquiry No. 4204.—For the manufacturers of the Shaw patent compression flange coupling. For logging engines. J. S. Mundy, Newark, N. J.

Inquiry No. 4205.—For castings and materials for building a one-half horse power dynamo. Morgan Emery wheels. Box 517, Stroudsburg, Pa.

Inquiry No. 4206.—For addresses of miners and grinders of high-grade phosphate rock. "C. S." Metal Polish. Indianapolis. Samples free.

Inquiry No. 4207.—For manufacturers of sun tower, castor and other vegetable oils. Blowers and exhausters. Exeter Machine Works, Exeter, N. H.

Inquiry No. 4208.—For makers of peanut butter and meal. Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chautau Falls, O.

Inquiry No. 4209.—For makers of cordage and fabrics of sisal and other coarse vegetable fiber. Mechanics' Tools and materials. Net price catalogue. Geo. S. Comstock, Mechanicsburg, Pa.

Inquiry No. 4210.—For manufacturers of houseboats. Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.

Inquiry No. 4211.—For moulders of rectangular glass battery jars for storage batteries. Let me sell your patent. I have buyers waiting. Charles A. Scott, Granite Building, Rochester, N. Y.

Inquiry No. 4212.—For makers of spring steel 1/2 inch in width. For Machine Tools of every description and for Experimental Work call upon Garvin's, 149 Varick, cor. Spring Streets, N. Y.

Inquiry No. 4213.—For makers of automatic electrical clocks for closing circuits, having 24 figures on dial. Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.

Inquiry No. 4214.—For manufacturers of voltmeters and ammeters for battery circuits having a scale of 1 to 10 volts or more. Crude oil burners for heating and cooking. Simple, efficient and cheap. Fully guaranteed. C. F. Jenkins Co., 1103 Harvard Street, Washington, D. C.

Inquiry No. 4215.—For manufacturers of Home Savings Boxes. FOR SALE.—Bound volumes Patent Office Gazette, 1852 to 1897 inclusive, separate indexes. Make an offer. J. R. Powers, 53 State Street, Boston, Mass.

Inquiry No. 4216.—For manufacturers and inventors of vending machines. The largest manufacturer in the world of merry-go-rounds, shooting galleries and hand organs. For prices and terms write to C. W. Parker, Abilene, Kan.

Inquiry No. 4217.—For the inventor or manufacturer of a machine used for folding headache powders. The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company. Foot of East 138th Street, New York.

Inquiry No. 4218.—For blue prints of one horse power stationary engines. Contract manufacturers of hardware specialties, machinery, stampings, dies, tools, etc. Excellent marketing connections. Edmonds-Metzel Mfg. Co., Chicago.

Inquiry No. 4219.—For makers of toy savings banks with musical attachment. The best book for electricians and beginners in electricity is "Experimental Science," by Geo. M. Hopkins. By mail, \$5. Munn & Co., publishers, 361 Broadway, N. Y.

Inquiry No. 4220.—For parties who make or handle the Automatic Electric Advertisers, exhibited at the Pan-American. FOR SALE.—Two patents. One good to handle by shop rights; one a useful household novelty for agents, mail order or regular trade. Chas. B. Post, New London, Ohio.

Inquiry No. 4221.—For a machine for planing and sanding hardwood floors. PATENT FOR SALE.—Entire right to U. S. and Canada. Automatic screw-holding attachment for screw-drivers. Simple, compact, inexpensive. John A. Yates, Rockport, Ind.

Inquiry No. 4222.—For manufacturers of agricultural and horticultural machinery. Manufacturers desired for the manufacture under royalty of valuable U. S. air compressor patents. Invention great success and growing rapidly into large use abroad. Principals only dealt with. Full particulars on application to Box 722, c. o. Judd's, 5 Queen Victoria Street, London, England.

Inquiry No. 4223.—For machinery for manufacturing aluminium. An attorney, having successfully practiced law in Chicago for fifteen years, but who finds the work too confining, wishes to quit the profession and to associate himself with some other business, in Chicago or elsewhere, wherein energy and activity are needed, and where his experience will be useful. If interview is desired please address Attorney, 1009, New York Life Building, Chicago, Ill.

Inquiry No. 4224.—For firms who fit up dock yards for government work. Send for new and complete catalogue of Scientific and other Books for sale by Munn & Co., 361 Broadway, New York. Free on application.

Inquiry No. 4225.—For dealers in numbers and letters for placing on houses and streets. Inquiry No. 4226.—For makers of portable machine saws for felling trees.

Inquiry No. 4227.—For the manufacturers of a gasoline or kerosene engine called the Abenique. Inquiry No. 4228.—For manufacturers and inventors of vending machines.

Inquiry No. 4229.—For dealers in powerful and first-class telephone transmitters and receivers. Inquiry No. 4230.—For makers of filtering tubes for water.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending

May 19, 1903, AND EACH BEARING THAT DATE.

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

Table listing inventions with names and patent numbers. Includes entries like 'Adding machine, A. D. Gilpin', 'Advertising apparatus, W. C. Day', 'Agricultural implement, W. W. Brady', etc.

Table listing inventions with names and patent numbers. Includes entries like 'Corborandum and alumina, treating kaolin', 'Cover of rheostat or lens-shaped section', 'Cork puller, W. Sabel', etc.

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