

RECENTLY PATENTED INVENTIONS.

Electrical Apparatus.

ELECTRIC COUPLING.—T. C. JAMES, Manistee, Mich. The electric coupling is designed particularly for connecting signal wires between the cars of a railway train.

Machines and Mechanical Devices.

WEIGHING-MACHINE.—C. B. COMEGYS, Ashgrove, Mo. The machine is designed to weigh out merchandise by its value—that is to say, when properly set, to weigh out the worth in merchandise of a certain sum of money.

UNIVERSAL PRINTING-MACHINE.—C. L. DAWSON, Jacksonville, Ill. This machine will quickly and cheaply print announcements in letters of large size, and is particularly adapted for use of stores, real estate agents and others.

CLUTCH.—E. DYSTERUD, Monterey, Mexico. The clutch is designed especially for use in connection with alternating-current electric motors. It comprises a clutch member carried by a rotary part of the motor and controlled by centrifugal force.

EMBOSSING-MACHINE.—I. CLAPPER, Osna-burg, Ohio. The machine affords improvements in embossing or printing ornamental designs on hollow building blocks or tiles during the process of forming the same.

CARDING-MACHINE ATTACHMENT.—C. D. INGRAHAM, Penacook, N. H. Mr. Ingraham provides a new and improved carding machine attachment for preventing any of the stock from passing over the ends of the cylinder and going to waste.

MACHINE FOR MAKING BASKET-COV-ERS.—C. ENGBERG, St. Joseph, Mich. This invention, relating to machines for making covers for baskets and other receptacles, involves certain novel mechanism concerning the holder for the work.

MACHINE FOR POLISHING RINGS.—G. H. GASKINS, Portsmouth, Va. Mr. Gaskins provides a ring-carrier for the rings to be polished, a polishing strap to operate between its ends on the ring, and a carrier for this strap which is capable of reciprocation.

Medical Apparatus.

APPLICATOR.—G. J. VAN SCHOTT, Passaic, N. J. The invention provides a new and improved applicator more especially designed to enable the patient, unaided by a physician, to apply medications to the cervix uteri or to the cervical canal without danger of injuring any of the interior parts of the vagina and womb.

BURNER AND INHALER.—W. R. WARNER, Vergennes, Vt. The burner and inhaler is arranged to permit the user to burn suitable herbs or drugs in a very convenient manner and to bring the fumes arising from the burning process directly to the mouth or nostrils of a patient to insure proper application of the fumes without waste of the herbs or drugs.

Miscellaneous Inventions.

PIPE AND FLUE CLEANER.—C. F. CRAD-ICK and G. W. FARLIN, Jr., Butte, Mont. This simple and practical device affords effective means for the loosening and removal of soot accumulation from the interior of a stove-pipe and also from the ordinary chimney flue in a dwelling.

HEEL FOR BOOTS OR SHOES.—J. G. REA, Paterson, N. J. The heel can be readily secured in position and the worn-out sections removed and interchanged or replaced by new ones. It comprises a plurality of rubber blocks clustered together and secured by a circum-scribing endless metallic band.

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.

THE NATION'S BASKETS.

The Mergenthaler-Horton Basket Machine Company is making great preparations for handling the big basket crops which are offered to it. An order has just been given out for the manufacture of 100 new machines for making 8-pound grape baskets.

There is a net profit to the Basket Company of not less than \$6.00 per thousand on all baskets of this size. And this profit of \$6.00 remains after reducing the selling price of baskets \$2.00 per thousand below any wholesale price ever made.

THE 5-POUND GRAPE BASKET.

The demand for 5-pound grape baskets is fully as great as for 8-pound grape baskets. The Company has already been compelled, for lack of machines, to refuse an order for 45 million 5-pound grape baskets for this year's crop.

PROFIT ON GRAPE BASKETS.

Before this time next year these 200 machines will be working steadily, turning out baskets for next year's crop. The profit on 5-pound grape baskets, as handled by this Company, amounts to a little over \$5.00 per thousand net.

QUART BERRY BASKETS.

The volume of business in quart berry baskets amounts in dollars and cents to fully as much as the volume of business in grape baskets, and this Company's equipment for making the quart berry basket is being rapidly extended.

The selling price of berry baskets at the lowest rate known anywhere is \$2.25 per thousand; this Company is prepared to sell these berry baskets at \$1.60 per thousand and make a net profit of \$1.00 per thousand out of this for every thousand baskets made.

THE TILL BASKET.

Next in order of calculation is the basket known as the Till Basket. This basket is used for the shipment of peaches from Georgia and the Southern States; for the shipment of plums and for the shipment of tomatoes from all the Southern points to the Northern markets.

The Mergenthaler-Horton Basket Machine Company has just perfected a machine for the manufacture of these "till baskets." This machine works on the same principle as the machine for making quart berry baskets, and will turn out these "till peach baskets" at the same speed that the berry basket machine turns out berry baskets, which is 12,000 per day.

35 PER CENT TO 40 PER CENT ON ENTIRE CAPITAL.

From the fragmentary statistics which it has been possible to secure, and the offers that have been made to the Company of orders for this class of baskets, it is entirely reasonable to believe that the Company's profit on this class of baskets alone will amount to over \$1,000,000 per year. Adding this profit to the figures already demonstrated in the foregoing, it becomes an immediate commercial certainty that the Mergenthaler-Horton Basket Machine Company will earn a profit for its shareholders amounting to between 35 and 40 per cent on the entire capital of the Company.

An illustration of the superiority of the automatic machine labor over hand labor in the matter of speed and excellence is given at the exhibitions this Company is carrying on in New York, Chicago, Boston and Philadelphia, and will shortly be opened in St. Louis, Buffalo and Pittsburgh. Shares of the Mergenthaler-Horton Basket Machine Company's stock are now being sold at 75 cents a share (par value \$1.00 full paid and non-assessable).

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. Chicag. Catalogue free.

Inquiry No. 2626.—For a machine for putting cylinder heads in piling after being driven.

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

Inquiry No. 2627.—For manufacturers of adding machines.

WATER WHEELS. Alcott & Co., Mt. Holy, N. J.

Inquiry No. 2628.—For engine lathes and machines for making stoves with electric motors attached.

Inquiry No. 2629.—For machines for making white bone substitutes.

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

Inquiry No. 2630.—For makers of broom machinery.

Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.

Inquiry No. 2631.—For makers of marine engine castings.

We design and build special and automatic machinery for all purposes. The Amstutz-Osborn Company, Cleveland, Ohio.

Inquiry No. 2632.—For ball-bearing casters for use in rolling mills in handling sheets, being a ball which will revolve in any direction set on ball-bearings.

Automobiles built to drawings and special work done promptly. The Garvin Machine Co., 149 Varick, cor. Spring Streets, New York.

Inquiry No. 2633.—For makers of turning lathes.

Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.

Inquiry No. 2634.—For makers of fountain pen stocks.

Clippings of everything printed on any subject in the American and foreign press. United States Press Clipping Bureau 153 LaSalle Street, Chicago, Ill.

Inquiry No. 2635.—For makers of porcelain for spark plugs of gasoline motors.

Designers and builders of automatic and special machines of all kinds. Inventions perfected. The W. A. Wilson Machine Company, Rochester, N. Y.

Inquiry No. 2636.—For parties to make engines out of aluminum.

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. 2637.—For a kerosene oil burner to generate 400 deg. of heat within four hours from the time of lighting.

IDEAS DEVELOPED.—Designing, draughting machine work for inventors and others. Charles E. Hadley, 584 Hudson Street, New York.

Inquiry No. 2638.—For a machine for covering wire with silk.

The best book for electricians and beginners in electricity is "Experimental Science," by Geo. M. Hopkins. By mail, \$4. Munn & Co., publishers, 361 Broadway, N. Y.

Inquiry No. 2639.—For a machine for forming grass into twine by winding it with thread.

INVENTORS, ATTENTION!—Highest prices paid for novelties in card or paper. Established 30 years. Address The Tablet and Ticket Co., No. 87 Franklin Street, Chicago, Ill.

Inquiry No. 2640.—For makers of double-action suction pumps.

THE MODERN CORPORATION.—Information about incorporation, advantages, expenses, etc., new book, 90 pages, vellum, 56 cents, postpaid. Send stamp for sample pages. The Ronald Press, 170 Broadway.

Inquiry No. 2641.—For the manufacturers of the Acme oil and gas engine.

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. 2642.—For dealers in counting machines to be attached to typewriters or cash registers.

Inquiry No. 2643.—For dealers in well-drilling machinery.

Inquiry No. 2644.—For dealers in aluminum or "flowered" tin picture frames.

Inquiry No. 2645.—For makers of small gasoline engines of 2 h. p. or less.

Inquiry No. 2646.—For a foot or electric power machine for cutting cloth in ovals or scallops.

Inquiry No. 2647.—For makers of car-building machinery.

Inquiry No. 2648.—For a stationary gasoline engine for running a small plant for cutting stones.

Inquiry No. 2649.—For a power pipe-threading and cutting machine for cutting pipes 2 to 6 inches.

Inquiry No. 2650.—For makers of sewage disposal plants.

Inquiry No. 2651.—For makers of electric mining drills and general mining machinery.

Inquiry No. 2652.—For ax handle and spoke machinery.

Inquiry No. 2653.—For manufacturers of celluloid or hard rubber goods.

Inquiry No. 2654.—For makers of coal briquettes.

Inquiry No. 2655.—For manufacturers of lithographic stones.

Inquiry No. 2656.—For the manufacturer of the Grabber check protector.

Inquiry No. 2657.—For dealers in useful industrial toys.

Inquiry No. 2658.—For dealers in oil drills and machinery for operating the same.

Inquiry No. 2659.—For makers of netting machines, especially for hammocks.

Inquiry No. 2660.—For manufacturers of nut crackers.

Inquiry No. 2661.—For dealers in hat creasers.

Inquiry No. 2662.—For dealers of aluminum in sheets.

Inquiry No. 2663.—For parties to engage in the construction of airships and light engines per horse power.

Inquiry No. 2664.—For parties to make, in large quantities, a small iron casting similar to a toy.

Inquiry No. 2665.—For parties to manufacture rubber rings.

Inquiry No. 2666.—For manufacturers of spring motors.

INDEX OF INVENTIONS

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

May 20, 1902,

AND EACH BEARING THAT DATE.

(See note at end of list about copies of these patents.)

Table listing various inventions with their corresponding patent numbers and dates. Includes items like 'Accounts, system of device for keeping hotel', 'Acid and sulfur anhydride, making sulfuric', 'Acid, apparatus for making sulfuric', etc.

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