

RECENTLY PATENTED INVENTIONS.

Of General Interest.

FRAME FOR HOLDING AND STRETCHING FABRICS.—M. A. WEATHERS, Manchester, N. H. In this invention the reference is more especially to frames for holding fabrics employed in the making of mats, rugs, quilts, and similar articles and for stretching such fabrics and others—as, for instance, lace curtains, women's face-veils, and the like—for drying the same after cleaning. It is readily adjustable to fabrics of different sizes or dimensions.

BOX-OPENER.—C. GOLDMANN, New York, N. Y. It may be stated that the improvements are especially adapted to pasteboard and paper boxes of rectangular structure, and the inventor employs opening devices for the box which normally may be also utilized as balls or handles for carrying the box when filled, said devices being so organized with reference to opposite sides of the box as to enable the sides to be torn from the remaining sides in such manner as to enable the contents to be removed in intact form.

REGULATING-HINGE FOR PIANO SWINGING FRAMES.—I. E. BRETZFELDER and R. K. THUMLER, New York, N. Y. One purpose of the inventor is to provide a construction of hinge adapted for connecting the fixed skeleton frame of the instrument with the swinging frame or panel which supports the book or sheet of music above the keyboard, the hinge being of such construction that the pindle may be removed when the parts of the hinge are to be separated, thus obviating the withdrawal of the screws, and wherein the pindle will remain in the position in which it is adjusted until purposely withdrawn.

CLOTHES-TONGS.—F. L. BLOMQUIST, Sanders, Idaho. Stated in general terms, the object of the invention is to provide a device which is simple, light, strong, inexpensive and durable, and which may be more conveniently used in handling clothes in the process of washing than other devices of similar character. The device is made of hard wood for the sake of lightness. The absence of hinges, springs, or other connecting devices make it impossible for the tongs to catch in the garments handled and tear them.

COMBINATION TOOL.—E. J. LA DUKE and I. G. O'HARRA, Seattle, Wash. The invention has reference to measuring instruments such as used by artisans and handicraftsmen in laying out work. The tool is expected to be especially useful to the carpenter's trade. The object is to produce a tool which will be, in effect, a combination of a rule, try-square, bevel-edge, calipers, and dividers.

LAMP-BURNER.—E. ROSS and J. A. BOYLES, Lynch, Neb. One of the purposes of this invention is the provision of a burner with a combined air and gas relief tube having such relation to the outlet end of the wick-tube that all of the gas and air will be extracted from the container as fast as generated therein and be fed to the flame and consumed without smothering the flame, thereby eliminating every possibility of the lamp exploding, though either gasoline or a poor quality of kerosene be used.

CRANE.—G. E. SOPER, Kankakee, Ill. Mr. Soper's invention relates to small cranes or hoists such as used in machine-shops, foundries, and similar places for raising and moving heavy machine parts. The object is to produce a crane of this class which is simple in construction, composed of few parts, and which will have a desirable resiliency when supporting its load.

STOCK-COLLAR DISTENDER.—G. V. TUCKER and E. B. AIGUIER, Newark, N. J. This invention pertains to improvements in devices for distending vertically and supporting so-called "stock-collars" worn by women, the object being to provide a device for this purpose of simple and novel construction for detachable connection with the stock and used in lieu of whalebones, wires, or the like, so that after removing the distenders the stock may be readily washed or otherwise cleaned.

FURNACE.—G. WATSON, Pool, near Leeds, and H. W. MASON, Wakefield, England. The present invention has reference to furnaces, and more particularly to those adapted for the destruction of refuse. Its principal objects are the provision of efficient means for furnishing a forced draft to the furnace, means for protecting the metal parts from burning out, and also the provision of a convenient ash-pit.

SYSTEM FOR THE DESTRUCTION OF REFUSE.—G. WATSON, Pool, near Leeds, and H. W. MASON, Wakefield, England. This improvement has reference to systems for destroying street and house refuse and the like, and more particularly to those in which the material is delivered to furnaces in bulk. Its principal object is to provide an effective system for this purpose. Instead of delivering the refuse to furnaces the containers may be employed for discharging their contents into other receivers, as vessels.

UMBRELLA.—J. C. WESTERFIELD, Belleville, N. J. The more particular object of the inventor is to produce a construction in which certain parts are easily replaced and in which friction is reduced to a minimum. It further relates to certain details whereby simplicity and cheapness are attained in the construction. With parts in position it is used as any other umbrella. Should a rib or stretcher be

worn out or broken, it may readily be removed and another inserted. Spiders, set-screws, and other parts are interchangeable.

HORSE-COLLAR.—J. DE W. WHIPPLE, Tekamah, Neb. In this patent the invention relates to improvements in draft-collars for horses, an object being to provide a collar that will readily adapt itself with yielding pressure to the neck and shoulders of an animal and practically prevent the formation of sores, as often happens, from abrasions with the usual form of collars.

PASTING DEVICE.—H. H. WALKER, Ponca, Oklahoma Territory. This pasting device is especially adapted for use in offices and similar places for applying paste to the edges of papers to be attached together. The object is to produce a simple attachment for paste pot or tubes which will enable the paste to be applied quickly to the edge of the paper and neatly, so as to prevent soiling of the fingers.

METHOD OF MANUFACTURING SIDING.—C. LOETSCHER, Dubuque, Iowa. In this case the invention refers to a siding or weather board used for the outside covering of frame buildings and to a method of manufacturing the same. The objects are to provide for a more economical production of sidings and at the same time to provide a siding-board having certain points of superiority over those in use.

HOOK.—LORA JONES, Newton, Kan. This invention relates to hooks, such as are used in connection with eyes for the purpose of fastening the edges of a garment together, the hooks being secured along one edge and eyes along the other of such garments, and adapted to be interlocked in a well-known manner. The object is to provide means whereby a hook may be secured to the edge of a garment at a point upon the shank removed from the usual thread-eyes.

MAIL-POUCH FASTENER.—L. H. HINAMAN, Port Jervis, N. Y. In operation the flap is drawn down upon staples and the strap pulled to the left, moving all the locking-bolts into engagement with the respective staples. The strap may be secured by a padlock, or the bolt of the end of the lock may be locked by a key. To open the pouch, simply remove the padlock or unlock the end lock, when a pull on the strap of the latch releases all of the staples simultaneously.

BOTTLE-CLOSURE.—J. HERRINGTON, Houston, Texas. This improvement refers to a class of bottles used as original packages for various kinds of liquors and medicines, and has for its object to provide novel details of construction for a bottle and closure thereof which will expose an attempt to refill it after its contents have been removed, and thus prevent the reuse of the bottle for fraudulent purposes.

SHADE-FASTENING.—F. WEILERT, New York, N. Y. The invention relates to devices for fastening the shade-cloth to a shade-roller; and its object is to provide a fastening and means for conveniently placing the same in position or removing the same from the shade-roller, the shade-fastening being simple and durable in construction, easily placed in position, and arranged to securely attach the shade-cloth to the shade-roller.

CONTROLLING-VALVE.—P. VOORHEES and H. J. TRAH, Logansport, Ind. This improvement pertains to valves for controlling the flow through various conduits, it being particularly applicable to the rain-water conductors of buildings. The principal object is to provide means for directing to waste the first flow through the conductor at the beginning of a rainfall, this being liable to be fouled by dirt accumulated upon the roof and in the gutters, and then automatically delivering a succeeding flow to the cistern or other container which is to receive it.

MEANS FOR RELEASING BOATS FROM THEIR FALLS AT BOTH ENDS SIMULTANEOUSLY.—G. S. A. RANKING, 17 Elysium Row, Calcutta, India. This invention relates to a device whereby a boat may be released from its falls at both ends simultaneously, the entire device being under the control of one man. To release the boat from the falls the handle is rotated, which action causes the cams to rotate simultaneously, and thus remove the support of the rollers which immediately drop into position, causing the hooks to be disengaged. To replace the hooks in first position, the handle is turned back into its place, causing the lower edge of the sloping portion of the cams to engage the rollers, which are raised back into position.

DEVICE FOR HANGING AND CENTERING GRINDSTONES.—J. H. NORRELL, Augusta, Ga. In this patent the invention has reference to an improvement in hanging and centering a grindstone on its frame, its object being to produce a simple, cheap, and efficient device. Primarily intended for use in connection with grindstones, it is equally applicable to emery-wheels or even pulleys which are to be rotated by means of treadles and pitmen.

AUTOMATIC LEVEL-CONTROLLER.—L. NEU, 60 Rue Brule Maison, Lille, France. This invention relates to a device intended to produce the automatic starting and stopping of apparatus for forcing liquids or other fluids, such as water-raisers, gas-compressors, and the like. The invention has for its purpose an operation in such a manner that the distributing member or the clutch when once started in one direction or the other shall be obliged

to complete its movement rapidly and shall not be capable of remaining at the half-stroke.

NON-REFILLABLE BOTTLE.—H. W. LLOYD, Longbranch, N. J. The main object in this case is to provide means for preventing the refilling of the receptacle after it is once emptied. This is accomplished by the use of a stopper, and Mr. Lloyd preferably uses a plurality of these devices and provides means whereby the stopper in a folded condition can be introduced and means for automatically unfolding the stopper after it is introduced and released in the neck of the bottle, the first named means operating to prevent the removal of the stopper after it is unfolded or expanded.

ATTACHMENT FOR STORE-COUNTERS OR THE LIKE.—P. S. GRINDLE, Brooklyn, Ala. One of the principal objects of the inventor is to provide a structure adapted to be rotatably mounted beneath a counter, shelf, or other support within a store or other place whereby a barrel or box containing sugar, flour, coffee, or the like, may be conveniently stowed away beneath the counter at such times as access thereto may not be desired and which may be readily swung outwardly in convenient position whenever access is desired either to supply customers or for other purposes.

APPARATUS FOR MIXING PAVING COMPOSITIONS.—G. W. CRICFIELD, Jersey City, N. J. In attaining the ends of this invention there are provided peculiarly-constructed receptacles in which the asphaltic material and mineral aggregate are charged and by which they are heated uniformly, this heating being effected by means of steam pipes, and the pressure, and therefore the heat of the steam-pipes, controlled in such a way as to render it impossible to overheat the materials. The heating-receptacles are arranged to discharge into peculiarly-arranged weighing vessels, which themselves discharge into the mixer where the various materials are united to form the paving composition.

ANIMAL-TRAP.—G. J. MILLER, Endicott, Wash. The improvement is in that class of traps which have spring-actuated bows or jaws adapted to be set in a retracted position and when released to snap down upon the animal's body. It is peculiarly adapted when made of small size for catching moles. It is an improvement upon the trap for which Mr. Miller formerly received Letters Patent.

ADJUSTABLE TABLE.—C. H. GARDINIER, Rensselaer, N. Y. The improvement pertains to that class of articles of manufacture which may be used for various purposes, such as drafting-tables, sewing-tables, type-writer desks, studying-tables, china painters' tables, sick-room tables, artists' easels, etc. It is collapsible, folds into a small space, and is adjustable to various heights and angles.

Household Utilities.

WINDOW-SHADE FIXTURE.—G. C. VERGASON, Binghamton, N. Y. An object of this improvement is to provide a fixture which is adaptable to window-frames of varying widths without marring or mutilating the exposed faces thereof, besides being strong and durable, and light in weight. The parts are easily assembled for use and again dismantled and taken apart for shipment. Mr. Vergason employs duplicate hangers of special construction, combined with portions of which are adjustable slides, rigid with which are brackets to which are secured the outer extremities of a specially-constructed expansible device for the brackets.

FLUSHING DEVICE.—P. L. GUEST, Columbus, Ga. One of the principal objects of the inventor is to avoid the use of the movable siphon. A stationary siphon is provided, and a regulating device for the inlet-valve of the tank is so arranged as to provide for shutting off the inlet when the water reaches a certain height and before the siphon commences to operate. Means provide for releasing inlet-valve, so as to admit water upon manipulation by hand. Then water rises and starts the siphon, and when water is removed from tank through siphon the inlet-valve is again engaged so that further introduction of water will automatically close the valve in same position as before.

HOLDER.—A. E. MARTIN, Toledo, and R. W. KENNARD, Fernhill, Wash. In the present patent the improvement has reference to holding devices, and more particularly to those adapted for culinary use to support upon a kettle or other vessel its lid and a spoon or the like. The invention has for its principal objects the provision of a simple, strong and very efficient holder.

Machines and Mechanical Devices.

CONVEYER.—G. LUCAS, Passaic, N. J. In this patent the invention relates to conveyers, it having for its principal object the provision of a simple and durable apparatus which will effectually transport material. The improved conveyer furnishes an unbroken conduit of considerable depth, by which many kinds of material may be moved from one point to another, and the flexible fabric which constitutes the conveyer proper is so supported that it may carry great weights without sagging and yet readily adapts itself to changes of direction.

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. 7777.**—Wanted, the name and address of the manufacturer of the Babcock milk tester. For hoisting engines. J. S. Mundy, Newark, N. J.
- Inquiry No. 7778.**—For makers of cheap electric pocket lamps, and small electric novelties. "U. S." Metal Polish. Indianapolis. Samples free.
- Inquiry No. 7779.**—Wanted, a water still, of capacity of 100 gallons daily. Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.
- Inquiry No. 7780.**—For manufacturers of blowers.
- WANTED.**—Purchaser for Monazite, Molybdenite and Wolfram. Apply Monasite, Box 773, New York.
- Inquiry No. 7781.**—For makers of vulcanizers, rubber stamps, and supplies for same. I sell patents. To buy, or having one to sell, write Chas. A. Scott, 719 Mutual Life Building, Buffalo, N. Y.
- Inquiry No. 7782.**—Wanted, Bowe's quick-opening hose couplings. 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. 7783.**—For makers of bottling machines; also for information regarding the manufacture and bottling of carbonated drinks.
- WANTED.**—Ideas regarding patentable device for water well paste or mucilage bottle. Address Adhesive, P. O. Box 773, New York.
- Inquiry No. 7784.**—For makers of saw machines, or saw mills for squaring small timbers, from 1 inch up to 8 inches.
- WANTED.**—High-class machinists and tool makers. Good wages. No labor troubles. Driggs-Seabury Ordnance Corporation, Sharon, Pa.
- Inquiry No. 7785.**—For makers of luminous paint. Well gotten up typewritten letters will increase your business. \$2 per 1,000. Typewritten Letter Co., St. Louis.
- Inquiry No. 7786.**—For makers of small castings cast in metal moulds, to exact size. Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery tools and wood fibre products. Quadriga Manufacturing Company, 18 South Canal St., Chicago.
- Inquiry No. 7787.**—For makers of sewing machine needle-threaders, having a flange on both sides.
- Inquiry No. 7788.**—For manufacturers of gas-making machinery, for illuminating purposes.
- Inquiry No. 7789.**—Wanted, addresses and catalogues of companies manufacturing small dynamos.
- Inquiry No. 7790.**—For manufacturers (in Canada) to undertake the manufacture of a candy holder.
- Inquiry No. 7791.**—For makers of brass trimmings for gasoline launches, etc.
- Inquiry No. 7792.**—Wanted, makers of leaded glass windows and doors.
- Inquiry No. 7793.**—Wanted, a machine, patented by Mr. Christian Rotts, for cracking off lamp chimneys and tubular glassware.
- Inquiry No. 7794.**—For manufacturers of electrical fixtures and fittings.
- Inquiry No. 7795.**—For parties to roll out semi-circular troughs, of half-inch steel plates.
- Inquiry No. 7796.**—Wanted, a flutter wheel, 3 inches diameter, to keep in motion by means of a spring.
- Inquiry No. 7797.**—Wanted, makers of engines using coal oil for fuel, instead of gasoline.
- Inquiry No. 7798.**—For makers of trunks, etc.
- Inquiry No. 7799.**—For dealers, in large quantities, of palm leaf fans.
- Inquiry No. 7800.**—For makers of electrical toys, induction coils and Geissler tubes.
- Inquiry No. 7801.**—Wanted, machines to make ladies' hat and bonnet wire frames.
- Inquiry No. 7802.**—Wanted, the most recent and improved machinery for manufacturing roofing tiles.
- Inquiry No. 7803.**—For makers of small refrigerators.
- Inquiry No. 7804.**—For makers of horseshoe magnets.
- Inquiry No. 7805.**—For small pocket mirrors.
- Inquiry No. 7806.**—For makers of farm-gate hangers, gate hangers and hinges.
- Inquiry No. 7807.**—For makers of printing plates, which may be mailed.
- Inquiry No. 7808.**—Wanted, metals for experimental use.
- Inquiry No. 7809.**—Wanted, bleached or unbleached horsehair for manufacturing purposes.
- Inquiry No. 7810.**—Wanted, machinery for modern canning factory.
- Inquiry No. 7811.**—Wanted, machinery for making and printing tags.
- Inquiry No. 7812.**—Wanted, makers of chemical apparatus and chemicals.
- Inquiry No. 7813.**—Wanted, makers of artificial eggs.
- Inquiry No. 7814.**—For manufacturers of aluminum.
- Inquiry No. 7815.**—For makers of fancy labels for perfume bottles, etc.
- Inquiry No. 7816.**—For makers of zinc white and dry colors.
- Inquiry No. 7817.**—Wanted an automatic device for lifting sewerage from low level to a height.
- Inquiry No. 7818.**—Wanted, makers of air tools for boiler work.
- Inquiry No. 7819.**—Wanted, names and addresses of manufacturers of gas from gasoline or other oils.
- Inquiry No. 7820.**—For makers of chuck perforators and other such devices.
- Inquiry No. 7821.**—Wanted, the name and address of the maker of the "Crown Press," having cushioned bed plates and using rubber type, for addressing envelopes, printing bill and letter heads, etc.
- Inquiry No. 7822.**—Wanted, a device for stripping carriages, etc.
- Inquiry No. 7823.**—For makers of and dealers in electric furnaces.
- Inquiry No. 7824.**—Wanted, the necessary apparatus, etc., for fitting up an office for therapeutic and X-ray work.
- Inquiry No. 7825.**—For makers of looms for weaving raw material, such as mohair, into saddle blankets.
- Inquiry No. 7826.**—Wanted, machinery for manufacturing narrow-necked bottles.