

## Business and Personal Wants.

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Inquiry No. 8385.—Wanted, a machine for printing metal signs with paint.

See our Ad. on back page. Star Expansion Bolt Co. Inquiry No. 8386.—Wanted, cardboard disks, or disk-making machinery.

J. C. Sparks, B.C.S., F.C.S., Anal. Chemist. See adv't Inquiry No. 8387.—Wanted, machinery for making starch from potatoes; also for the production of alcohol from potatoes.

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

Inquiry No. 8388.—Wanted, parties manufacturing or selling Beaureau engines, 1898 model.

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

Inquiry No. 8389.—Wanted, the name and address of the manufacturer of the Chaffou condensed milk-can opener.

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

Inquiry No. 8390.—Wanted, a small battery and motor outfit adapted to run a sewing machine.

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

Inquiry No. 8391.—Wanted, the name and address of the manufacturer of the Imperial Smoothing Iron, which is heated by gasoline or oil.

The celebrated "Hornby-Akroyd" safety oil engine. Koerting gas engine and producer. Ice machines. Built by De La Vergne Mch. Co., Ft. E. 13th St., N. Y. C.

Inquiry No. 8392.—Wanted, the name and address of the patentee and present manufacturer of the toy top called the New 21st Century Gyroscope.

Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machine work and special size washers. Quadriga Manufacturing Company, 18 South Canal St., Chicago.

Inquiry No. 8393.—Wanted, manufacturers of decorated glass, such as used in clock doors and quaint dials.

Inquiry No. 8394.—Wanted, manufacturers of bricks made of sawdust compressed with coal oil.

Inquiry No. 8395.—Wanted, the name and address of the manufacturer of the Mars Gas Engine Lubricator.

## RECENTLY PATENTED INVENTIONS.

## Electrical Devices.

**SELECTOR OR LOCK-OUT FOR PARTY-LINES.**—A. MARCHAND, Buckingham, Wash. The more particular object of the inventor is to provide a system combining selectively with an efficient lock-out and with an automatic busy signal. Means are provided for adjusting or aligning the selectors used at the different stations so as to maintain the same in a proper step-by-step relation. An improved electric switch operates automatically and is capable of fine adjustment.

**ELECTRIC HAMMER.**—R. SMITH, Middletown, N. Y. The invention is an improvement in electric hammers, and while it may be described as an invention applied to an electric hammer, it may be made use of in any form of construction when a reciprocating motor is desired, as in pumps, brakes, trip-hammers, etc. The invention is entirely automatic in its action.

**TELEPHONE-RECEIVER SUPPORT.**—F. F. HOWE, Marietta, Ohio. On a suitable brace or bracket there are pivoted a receiver support and a transmitter support and among the features of novelty, devices are provided intermediate the mentioned supports whereby the shifting of one will shift the other support, the lever relation between the two supports and the intermediate devices being such as to effect by a slight movement of one of the supports a corresponding greater movement of the other support.

## Of General Interest.

**AMALGAM CARRIER AND PLUGGER.**—H. W. ARTHUR, Pittsburg, Pa. One of the purposes of this invention is to provide a dental instrument which can be used as a conveyor of plastic filling material, such as amalgam, to a cavity in any part of the mouth and render the filling secure in the cavity by converting the instrument into a plugger.

**JAR-CLOSURE.**—F. SMITH, Council Bluffs, Iowa. The invention refers particularly to an improvement in cardboard closures or stoppers for bottles and jars—such, for example, as are commonly employed for carrying milk. The object of the inventor is to enable the closures to be quickly and easily removed by hand without necessitating the use of a tool or instrument of any sort.

**WINDOW-REFRIGERATOR.**—C. SPADAVECHIA, New York, N. Y. One purpose of the inventor is to provide a construction which can be quickly and conveniently passed out through the window-opening from the inside of the room and readily and expeditiously secured in position outside of the window-frame resting upon the sill and against the outer parting-strip of the frame, the lower stile of the upper sash having bearing upon the top of the refrigerator when the upper sash is in its closed position.

**MARINE VESSEL.**—J. W. MARTIN, Scottsburg, Ind. The invention pertains to a marine vessel adapted particularly for use in shoal water, the boat or vessel being equipped with a propeller, the position of which may be

changed at will, so that the propeller may extend downwardly below the keel of the vessel or upwardly above the keel-line, according to the depth of the water in which the propeller is operated.

**FLOATING WHEEL-DAM.**—F. W. MCNEIL, St. Louis, Mo. The object here is to utilize current force to generate power which may be transformed into mechanical or electrical energy capable of transmission to any point of application. It is effected by an improved construction using one or more pontoons carrying submerged or partially-submerged water-wheels and having wings in advance of the wheels which act to contract the water channel or flow, and thus increase the head or pressure of water at its point of application to the wheels.

**COAL-WASHING JIG.**—W. B. GILLON and J. M. RICKETTS, Sopris, Col. This jig washes and separates coal from its impurities. In operation the raw coal is supplied to hoppers and resting on the coal screens is stratified by the pulsations of the water produced by the plungers, the clean coal passing to discharge troughs and the rock to the conveyers. The sludge drops through the screens to the screw conveyers. These carry the waste through openings in the inner walls to the middle compartment, when it is elevated and discharged by the flight conveyor therein.

**CONCRETE-WALL-FORMING APPARATUS.**—H. P. ENGELHARDT, New York, N. Y. The device is portable and readily adjusted to the work to be done. In wall building the inner and outer standards are arranged at intervals and spaced at various distances apart, as required. As the wall progresses from the foundation, the mold plates or boards will be added, and after the finishing of the wall the boards may be readily removed and also the standards or uprights.

## Heating and Lighting.

**GAS-BURNER.**—W. S. PRIM, New York, N. Y. The principal object of Mr. Prim's invention is to provide means for increasing the illuminating power of the gas and rendering the combustion thereof more perfect than in burners commonly used, to which end he provides a peculiar gas-heater arranged over the burners, from which heater the hot gas is conducted down to the mixing and burning devices. The burner is adapted for in or out of doors.

## Household Utillities.

**COMBINED STOVE-LID LIFTER AND CLOTHES-DRIER.**—F. B. SMALL and J. C. MULLIGAN, Bath, Maine. The invention relates to improvements in combined stove-lid lifters and hangers for clothing or other articles to be dried by the heat of the stove, the object being to provide a device so constructed that when not in use the support for the articles to be dried may be slid into the handle of the lifter.

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.

## INDEX OF INVENTIONS

For which Letters Patent of the

United States were Issued

for the Week Ending

September 25, 1906.

AND EACH BEARING THAT DATE

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

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Box fastener, P. P. Shaw	831,896
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Building block molding machine, G. F. Fisher	831,781
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Cabinet, grocer's, W. Goss	831,946
Cable gripper, E. B. Merry	831,729
Cables, sliding hook for hauling, C. A. Peters	831,984
Calculating machine, Schneider & Perfer	831,633
Can handle, sheet metal tank, B. H. Larkin	831,958
Can machine, J. C. Thom	831,905

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Game apparatus, M. E. Sayre	831,802
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Gas burner, safety, F. C. Huber	831,723
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Gas pipe thawing attachment, J. Zvetina	831,695
Gas producer, A. M. Gow	831,854
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Gate, W. H. Clay	832,009
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Girder, rolled, Victor & Husham	831,755
Glass or metal machine for dropping powdered fusible material upon hot, W. B. Norton	831,978
Glass sheets, manufacture of, B. C. White	831,914
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