

character that may be easily arranged to form a reclining-chair, a rocking-chair, a stationary high chair and jumper, or a bed and when not in use may be compactly folded.

TOY.—F. R. DAVIS, Washington, D. C. This invention is an improvement in toys, being in the nature of a light-box designed to carry a candle or other illuminant to shine through fancy patterns of mica, colored tissue-paper, or other transparent or translucent material. As the toy is pulled along the ground its pattern-disks will be automatically revolved, displaying figures on the disks and increasing the attractiveness of the box.

DESIGN FOR A BROOCH, BUTTON, OR BUCKLE PLATE OR LIKE ARTICLE OF MANUFACTURE.—C. M. WENDELSTEIN, Attleboro, Mass. This is an ornamental design for a brooch, button, or buckle plate, or like article of manufacture in which the figure represents an irregular shaped yet graceful border pointed with leaf clusters surrounding a flat surface on which is depicted the full-faced head and neck of a young woman.

AXLE OR SHAFT MARKER.—O. SOVELLUS, Hancock, Mich. The apparatus provides means for marking axles or shafts so as to accurately lay off thereon the points and lines for the proper position and direction of the drill or planing machine in boring, planing and milling. The marker comprises a saddle which sits upon the axle to be marked. A center punch is mounted upon the saddle, and on release of a catch is operated by a spring, to strike the axle and make a mark. Two spirit levels are provided. One, which is stationary, determines the vertical position of the punch and the other, which is mounted in a rotary graduated plate, may be used to measure off any angle from the vertical desired.

STICKY FLY-PAPER.—O. A. JONES, Union City, Mich. The particular object of this invention is to remedy many defects incident to fly-paper now in use, of which the oozing out of the adhesive substance over the edges of the base-sheet upon surrounding objects, is an example. Another object is to so form the surface of the paper that it may be readily and easily separated without tearing or destroying it, yet will always retain the adhesive substance upon the border of the base-sheet.

FLASK-CLAMP.—I. R. BROWN and L. A. BROWN, Ebensburg, Pa. In carrying out this invention the object in view is the provision of a clamp for molding-flasks of simple construction that may be quickly adjusted to lock the flask members together. The clamp may be made of different lengths, and each clamp, as it consists of two sliding members, has a considerable range of adjustment for different sizes or depths of flasks.

WATCH-HOLDER.—R. K. HOHMANN and A. ROSENFELD, San Diego, Cal. In this patent the invention relates to improvements in holders or pockets for watches, particularly women's watches, an object being to provide a holder that may be readily attached to a dress-waist, belt, or any part of a garment and as easily removed, the device also having means for preventing accidental dislodgment of the watch.

MARKING INSTRUMENT.—F. MOEHLE, Mason City, Iowa. The device comprises a base with a central pin and a number of grooves of various forms therein. On the pin an arm is mounted to slide and to swing, the arm having a pin arranged to run in any of the grooves. By adjusting this pin in the desired groove the arm may be swung over the base and various ovals or circles described. Other measurements may be made by the arm for describing squares and other like figures.

CHATELAINE-PIN.—NETTIE F. VALENTINE, Brook Haven, N. Y. In this instance the improvement relates to a pin useful in many respects, but especially designed for application to women's waist or "chatelaine" bags, in which connection it serves to prevent the bag from swinging idly about as the wearer walks and also prevents the bag from being torn from its place.

CURRENCY-HOLDER.—F. E. WALKER, Bedford, Iowa. The purpose in this case is to provide a holder in which bills may be held in separate bunches of equal amounts and to so number the partition strips that the total amount of cash may be ascertained at a glance without counting, thus facilitating the making up of the cash account at the end of a banking day and also facilitating the withdrawing of notes of a desired amount.

ARTIFICIAL DENTURE.—G. J. DAVISON, Richmond, Va. The present invention is in the nature of an improvement in artificial teeth, and especially in the means for securing the porcelain facing. Important features of the invention consist in not limiting the improvement to any special kind of tooth, and to the ability of the inventor to apply rubber-plate teeth to a bridge without vulcanizing them on.

LUBRICATOR.—C. L. HOFMANN, Cincinnati, Ohio. In the present patent the invention is an improvement in lubricators, and especially in that class of such devices for application to pulleys and the like wherein the pulley revolves on a bearing or shaft and the lubricator revolves with the pulley.

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 Angelus PIANO PLAYER

Let us answer one question in print which our salesmen are asked every day:

"Why is the ANGELUS better than any of its imitators—other piano players?"

Speaking exactly, the Angelus is not a "piano player," but a means or playing aid with which you can play any known piano music as it should be played. Beyond its general superiority in construction—and it is the product of the Messrs. White, of whom there are three living generations who have devoted their lives to the work of perfecting high-class musical instruments—its Phrasing Lever removes this instrument to a class by itself where the imitators with their automatic expression indicators cannot follow.

The Phrasing Lever, a small ivory tablet, simply frees the performer. You can play any music you like with all the grace and expression known, if you have an Angelus. If you wish to play any composition in the conventional manner, you will find this very simple, as the rolls are plainly marked: but when you wish to improvise, so to speak, or vary the playing to suit every whim or fancy, you must have the Angelus Phrasing Lever.

THE WILCOX & WHITE CO., Sole Makers
MERIDEN, CONN., U. S. A.
Established 1876

MORROW

Protect Your Life and the Lives of Others

The only dependable coaster brake. Durable and safe always. Specify it. Not an experiment. Send for literature to-day. Thousands in use.

ECLIPSE MACHINE CO., Elmira, N. Y.

Don't Kick a Press It Tires the Feet



The MIETZ & WEISS Kerosene and Gas Engine, 1 to 60 H. P., burns Kerosene. Cheaper and safer than gasoline. Automatic, Simple, Reliable. No electric battery or flame used.

Perfect regulation. An ideal power for driving printing presses. There are 2,500 gas engines driving printing presses in the United States. Most economical power known is kerosene. Can be obtained anywhere. HIGHEST AWARD at Paris Exposition, 1900. GOLD MEDAL, Pan-American Exposition, 1901. GOLD MEDAL, Charleston, S. C., Exposition, 1902. Admitted by United States and Foreign Governments. Write to-day for a great big catalogue, free for the asking.

MIETZ & WEISS, 128-138 Mott Street, New York City

PURE WATER IS ESSENTIAL TO EXISTENCE

Manufacturers, Hotels, Clubs and Institutions Require Pure Water as Much as the Individual

The Berkefeld Large Supply Filters are very rapid germ-proof filters and give a maximum quantity at minimum cost. Positively the most dependable and economic filter on the market. Write to-day for literature and price

BERKEFELD FILTER CO., 4 Cedar Street, New York

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. 4763.—For the address of the makers of the Clement gasoline motors.
- For logging engines. J. S. Mundy, Newark, N. J.
- Inquiry No. 4764.—For dealers in electrical apparatus and supplies for scientific experimental purposes.
- AUTOS.—Duryea Power Co., Reading, Pa.
- Inquiry No. 4765.—For makers of a blower grain loader and unloader.
- "U. S." Metal Polish. Indianapolis. Samples free.
- Inquiry No. 4766.—For manufacturers of spring motors.
- Send for a copy of "Dies and Die Making;" \$1, post paid. J. L. Lucas, Bridgeport, Conn.
- Inquiry No. 4767.—For a second-hand lathe for a country repair shop.
- Mechanics' Tools and materials. Net price catalogue. Geo. S. Comstock, Mechanicsburg, Pa.
- Inquiry No. 4768.—For hand power machinery for making woolen yarn, 100 to 500 pounds per day.
- Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.
- Inquiry No. 4769.—For makers of glove, stocking and rope machinery.
- American inventions negotiated in Europe, Felix Hamburger, Equitable Building, Berlin, Germany.
- Inquiry No. 4770.—For a machine for corrugating five-inch sheet metal pipe.
- Let me sell your patent. I have buyers waiting. Charles A. Scott, Granite Building, Rochester, N. Y.
- Inquiry No. 4771.—For dealers in electrical dynamos and machinery necessary for an electrical plant for a small village.
- Gear Cutting of every description accurately done, The Garvin Machine Co., 149 Varick, cor. Spring Sts., N. Y.
- Inquiry No. 4772.—For manufacturers of veneered bass wood.
- PATENT FOR SALE.—O. Sovellus, Box 236, Hancock, Michigan, has his patent on axle or shaft worker for sale. Lays off the joints for drill or other tool.
- Inquiry No. 4773.—For makers of a wickless oil stove or furnace for soldering irons.
- 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. 4774.—For the manufacturers of the automatic Angelus bell ringer.
- Empire Brass Works, 106 E. 129th Street, New York, N. Y., have exceptional facilities for manufacturing any article requiring machine shop and plating room.
- Inquiry No. 4775.—For manufacturers of addressing machines.
- 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. 4776.—For the present address of the Wiley & Russell Mfg. Co., makers of the "Green River" and "Lightning" thread-cutting tools.
- Contract manufacturers of hardware specialties, machinery, stampings, dies, tools, etc. Excellent marketing connections. Edmonds-Metzel Mfg. Co., Chicago.
- Inquiry No. 4777.—For makers of coin-operating directory holders.
- Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery and tools. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.
- Inquiry No. 4778.—For a 150 h. p. rotary steam engine or turbine.
- 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. 4779.—For fine gear wheels similar to those in French clocks.
- IMPORTANT TO INVENTORS OF MERITORIOUS MACHINES OR OWNERS OF PATENTS REQUIRING MANUFACTURING FACILITIES.
- A large and thoroughly equipped modern, up-to-date manufacturing establishment is prepared to make immediate arrangements for the manufacture on a large scale and on a fair and liberal business basis of novel special machines well protected by patents. Will consider only machines of new design having prospects of large sale. In replying give character of machine and line of trade, and enough general particulars to enable us to decide desirability of interview. All communications will be answered. Address Facilities, Box 73, New York.
- Inquiry No. 4780.—For detailed information relative to designing, making and testing concave or "Mangin" mirrors for searchlights.
- Inquiry No. 4781.—For parties engaged in rolling iron and steel in "U" shapes.
- Inquiry No. 4782.—For the makers of the Ne Plus Ultra typewriter papers.
- Inquiry No. 4783.—For office specialties of all kinds.
- Inquiry No. 4784.—For manufacturers of malleable iron castings.
- Inquiry No. 4785.—For a machine for graduating steel bars one inch square.
- Inquiry No. 4786.—For the makers of the "Serpentine" engine for automobiles, also for makers of water-tube boilers for the same.
- Inquiry No. 4787.—For the manufacturers of the "Criterion" music box, or dealers in music for the same.
- Inquiry No. 4788.—For manufacturers of small ice-making machinery for home use.
- Inquiry No. 4789.—For makers of large-size stereoscopes for parlor use.