Dec. 22, 1925. 1,566,865

E. P. GUTHRIE

SELF INKING DUPLICATOR

Filed April 13, 1925

Fig. 1

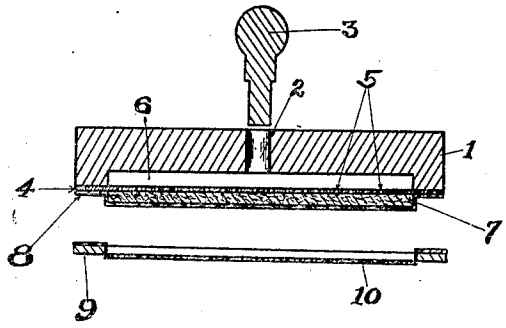


Fig. 2

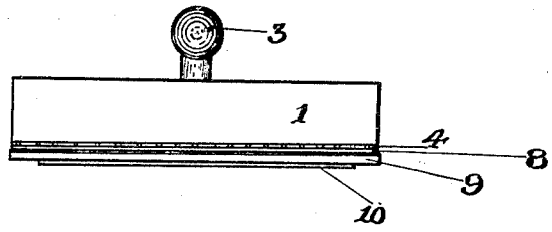
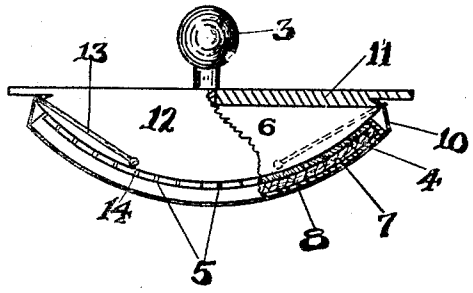


Fig. 3



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UNITED STATES PATENT OFFICE.

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SELF-INKING DUPLICATOR.

Application filed April 13, 1925. Serial No. 22,573.

To all whom it may concern:

Be it known that I, EDWIN P. GUTHRIE, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Self-Inking Duplicators, of which the following is a specification.

This invention relates to improvements in hand operated duplicators, and has for its primary object to provide an improved self-inking means adapted to contain and deliver ink to a stencil paper attached thereto.

Another object of the present invention is to provide a hand operated duplicator suitable for producing a number of copies of matter appearing on a stencil paper, without the continued application of ink to the parts thereof.

Another object of this invention is to provide an improved self-inking duplicator within which is embodied a satisfactory means for changing at will the subject matter to be copied.

With these and other objects in view, this invention consists in a novel construction and arrangement of parts which will be hereinafter fully described and defined in the appended claims.

In the accompanying drawings:

Fig. 1 is a sectional view of the self-inking duplicator, showing the handle and stencil paper removed therefrom;

Fig. 2 is a side view of the self-inking duplicator, showing the handle and stencil paper properly attached thereto; and

Fig. 3 illustrates another form of a self-inking duplicator embodying my invention, showing a side view of the same with a part thereof in cross section.

Referring particularly to Fig. 1 of the drawings, the numeral 1 represents a block having its underneath central part hollowed out, and provided with an opening 2 extending through the same and into which fits the handle 3. To the underneath part of the block 1 is attached by means of glue or other suitable adhesive, a perforated metal plate 4, provided with a plurality of perforations 5. The metal plate 4 upon being positioned on the block 1 as aforesaid, provides an enclosed chamber 6, which affords a means for holding a supply of ink which is inserted through opening 2. To the metal plate 4 is attached a pad 7, constructed from felt or other suitable material, and over the same is placed a cloth covering 8 the edges of which are secured to the metal plate 4 around the edges of the pad 7, by means of glue or other suitable adhesive. A frame 9, adapted to fit around the outside of the pad 7, and to which is attached a suitable stencil paper 10, affords a means for holding the stencil paper against the cloth covering 8 when the device is to be operated. The ink to be delivered to the stencil paper may be inserted into chamber 6 by the removal of handle 3 from opening 5. The ink in chamber 6 passes through the perforations 5 in metal plate 4 to pad 7 where it is absorbed to the point of saturation and held for delivery to the stencil paper as it is needed.

My invention may assume another form, as shown in Fig. 3, in which a chamber 6 is formed by a frame comprised of a top piece 11 and two side members 12. A perforated metal plate 4 is secured to the arc shaped edges of members 12, and pad 7 and cloth covering 8 are placed as aforesaid over the same. The handle 3 is removable and affords a means for the insertion of ink into chamber 6 through the opening in top piece 11. The stencil paper is placed over the cloth covering 8 and held in place thereon by U-shaped wire members 13 which are attached at their ends to side members 12 by screws 14.

The improved self-inking duplicator as shown on the drawing and herein described, affords a satisfactory means for producing a number of copies of the subject matter appearing on a removable stencil paper, and although I have described my invention with considerable particularity, I do not desire to be limited to the exact forms herein shown, as the same may be embodied in other shapes without departing from the spirit of the invention.

Having described my invention what I claim is:

1. A self-inking duplicator comprising a block provided with a chamber, an opening in the block through which ink may be inserted into the chamber, a perforated material attached to the block so as to enclose the chamber, a pad attached to the perforated material, and a stencil paper removably attached to the surface of the pad.

2. A self-inking duplicator comprising a hollowed out block provided with a hole

therethrough, a handle adapted to fit within the said hole, a perforated material secured to the block in such a manner as to form an enclosed chamber within the block, an ink absorbing pad attached to the perforated material, and a means for holding a stencil paper against the pad.

3. A self-inking duplicator comprising a supporting frame provided therein with a chamber, a perforated material secured to the frame in such a manner as to enclose the chamber, an ink absorbing pad secured to the perforated material, an opening in the frame for the insertion of ink into the chamber and for the holding thereon of a removable handle, and a means for attaching a stencil paper to the outside surface of the pad.

4. A self-inking duplicator comprising a supporting frame provided therein with a chamber, a hole in the said frame for the holding thereon of a removable handle, a perforated material secured to the frame and adapted to enclose the chamber, a pad secured to the said material, and a means on said frame for holding a stencil paper against the surface of the pad.

5. A self-inking duplicator comprising a frame provided therein with a chamber, a hole in the frame for the insertion of ink into the chamber, a handle attached to the frame, a perforated material secured to the frame in such a manner as to enclose the chamber, a pad attached to the said material, a stencil paper attached to the surface of the pad, and a means for holding the stencil paper in place over the pad.

6. A self-inking duplicator comprising a frame provided therein with a chamber, a means in the frame for the insertion of ink into the chamber and for retaining a means for operating the duplicator, a perforated material attached to the frame and adapted to enclose the chamber, a pad secured to the said material, a means associated with said frame for holding a stencil paper over the pad.

EDWIN P. GUTHRIE.