No. 788,520. PATENTED MAY 2, 1905.

F. W. COLLINS.

HAND STAMP.

APPLICATION FILED JUNE 13, 1904.

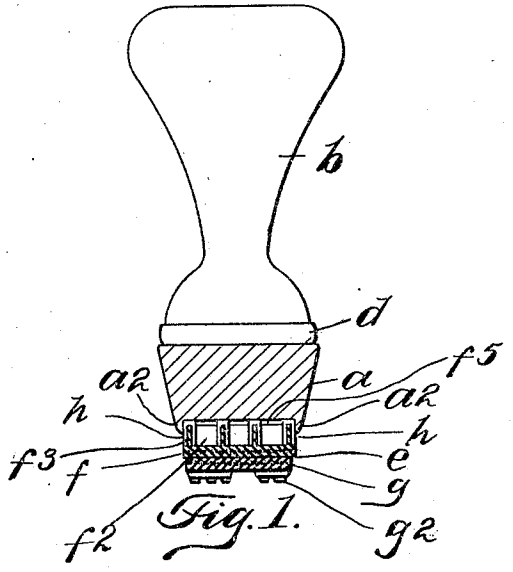


Fig. 1.

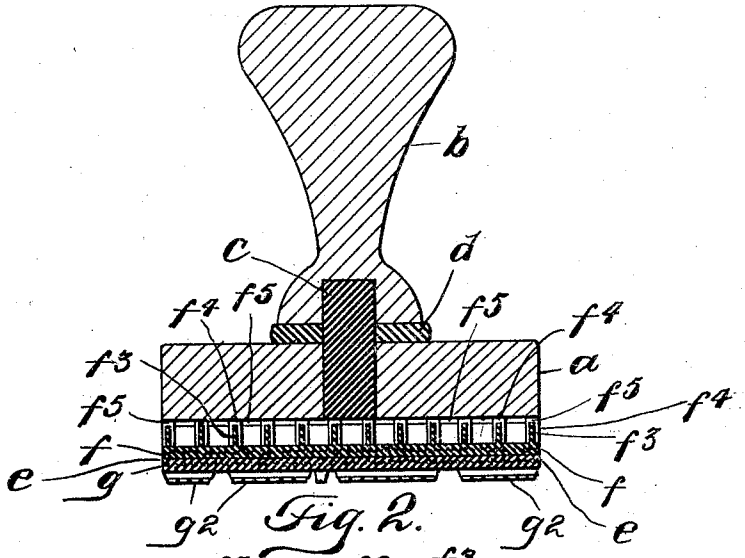


Fig. 2.

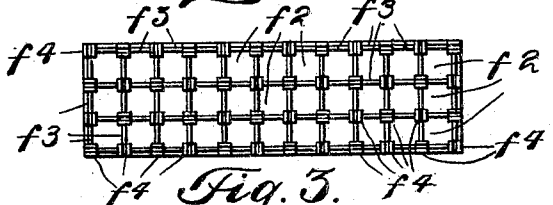


Fig. 3.

WITNESSES

A. B. Mattingly

F. A. Stewart

INVENTOR

Frank W. Collins

BY Edgar Tate & Co

ATTORNEYS

No. 788,520. Patented May 2, 1905.

UNITED STATES PATENT OFFICE.

FRANK W. COLLINS, OF NEW YORK, N. Y.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 788,520, dated May 2, 1905.

Application filed June 13, 1904. Serial No. 212,272.

To all whom it may concern:

Be it known that I, FRANK W. COLLINS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Hand-Stamps, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to what are known as "rubber" hand-stamps; and the object thereof is to provide an improved device of this class which is simple in construction and more durable and efficient in operation than stamps of this class as usually constructed; and with this and other objects in view the invention consists in a stamp of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a sectional end view of my improved stamp; Fig. 2, a sectional side view thereof, and Fig. 3 a plan view of that part of the stamp which is secured to the block or head and which carries the type.

In the practice of my invention I provide a stamp of the class specified, comprising a block or head *a*, to the bottom of which the type-carrying member is secured, said block or head being also provided with the usual handle *b*. The handle *b* is connected with the block or head *a* by means of a central flexible trunnion or stem-piece *c*, preferably composed of soft rubber, and secured in the block or head *a* in the base of the handle *b*, and between the handle *b* and the block or head *a* is placed a cushion-washer *d*, also of soft rubber or similar material.

The type-carrying member *e*, which is secured to the bottom of the block or head *a*, is composed of two parts *f* and *g*, both of which are composed of elastic material, preferably soft rubber or sponge-rubber; but any suitable elastic material may be employed. The part *g* of the type-carrying member *e* is glued or otherwise secured to the part *f*, and said part *g* is provided with type g^2 in the usual manner.

The upper side or surface of the part *f* of the type-carrying member *e* is formed into numerous small air-chambers f^2 by means of longitudinal and transverse ribs or walls f^3, and at the point where the longitudinal and transverse ribs or walls f^3 intersect are thickened and raised or post-shaped members f^4, the ends of which are preferably grooved, so as to hold the glue or other adhesive material by means of which the type-carrying member *e* is secured to the block or head *a*.

The longitudinal and transverse ribs or walls f^3 are of less vertical height than the thickened or post-shaped members f^4, and by means of this construction narrow spaces or openings f^5 are formed between the longitudinal and transverse ribs or walls f^3 of the part *f* of the type-carrying member *e* and the block or head *a*, which permit the air to pass freely from the air-chambers f^2 and into said air-chambers, in the operation of the stamp, as hereinafter described.

The block or head *a* at the bottom thereof and at the opposite sides thereof is provided in the form of construction shown with depending lips or flanges a^2, between which the side walls or flanges f^3 and the thickened or post-shaped members f^4 of the part *f* of the type-carrying member *e* fit, as clearly shown in Fig. 1, and the air is also free to pass between these lips or flanges and the side walls or flanges f^3 of the part *f* of the type-carrying member *e*, as clearly shown at *h* in Fig. 1. By means of this construction I provide a cushion-stamp, both the elastic material employed in the type-carrying member *e* and the air-chambers f^2 in the top thereof serving to produce this effect, and the connection of the handle *b* with the block or head *a* by means of the elastic parts *c* and *d* also facilitates the operation of the stamp and renders the same more effective and efficient.

By permitting the air to circulate freely through the top part of the type-carrying member *e* the operation of the stamp is not only improved, but the elastic material of which the type-carrying member *e* is composed is rendered more durable, the circula-

tion of the air therethrough and thereover serving to prevent the said elastic material from becoming hard or cracking or losing its elastic quality.

The flexible cushion for the handle also facilitates, as will be understood, the operation of the stamp, giving the operator more speed, for the reason that the usual amount of care in applying the stamp is not necessary, the elastic character of the stamp and the elastic handle connection serving to cause the type on the bottom of the type-carrying member to come properly in contact with any surface on which they are pressed, the connections of the handle and the cushioned character of the type-carrying member operating to produce this result, and the elastic connection of the handle also serves to prevent the accidental breaking off of said handle in the operation of the stamp, and the noise or jar occasioned by the use of stamps of this class as usually constructed is also avoided.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A hand-stamp comprising a block or head, a handle connected therewith, and an elastic type-carrying member secured to the bottom of said block or head, said type-carrying member being provided in the top thereof with air-chambers formed by transversely and longitudinally arranged walls, the points where said walls intersect being thickened and raised to form portions which are sealed to the block or head, whereby the air is free to circulate through said chambers and between said walls and said block or head, substantially as shown and described.

2. A hand-stamp comprising a block or head, a handle elastically connected therewith, and an elastic type-carrying member secured to the bottom of said block or head, said type-carrying member being provided in the top thereof with air-chambers formed by transversely and longitudinally arranged walls, the points where said walls intersect being thickened and raised to form portions which are sealed to the block or head, whereby the air is free to circulate through said chambers and between said walls and said block or head, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 10th day of June, 1904.

FRANK W. COLLINS.

Witnesses:
F. A. STEWART,
C. E. MULREANY.