July 15, 1924.

1,501,100

J. J. COFFEY

STAMP HOLDER

Filed Oct. 10, 1922

FIG. 1.

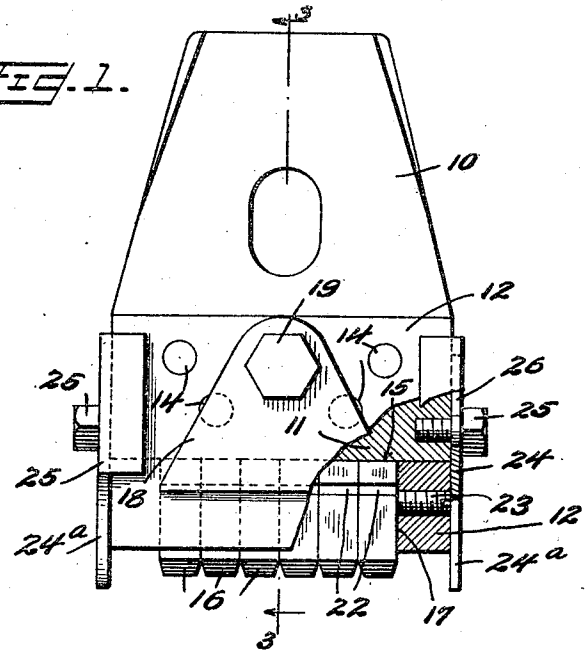


FIG. 2.

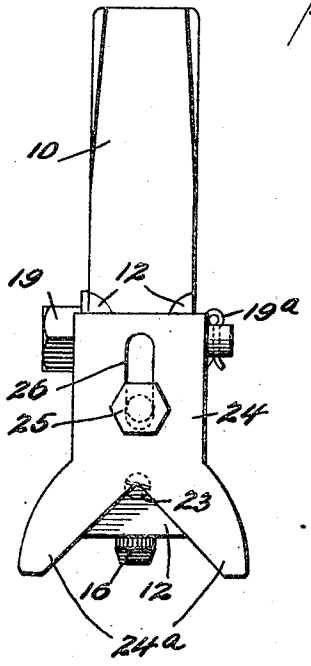


FIG. 4.

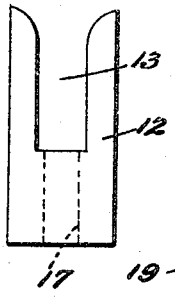


FIG. 3.

Inventor

John J. Coffey,

By Watson, Cole, Morse & Grindle,

Attorneys.

Patented July 15, 1924. 1,501,100

UNITED STATES PATENT OFFICE.

JOHN JAMES COFFEY, OF BETHLEHEM, PENNSYLVANIA, ASSIGNOR TO BETHLEHEM STEEL COMPANY, A CORPORATION OF PENNSYLVANIA.

STAMP HOLDER.

Application filed October 10, 1922. Serial No. 593,579.

To all whom it may concern:

Be it known that I, JOHN JAMES COFFEY, a citizen of the United States, and residing at Bethlehem, Northampton County, State of Pennsylvania, have invented certain new and useful Improvements in Stamp Holders, of which the following is a specification.

This invention relates to stamp or die holders and its object is to provide a device of this kind having means for centering the dies on the stock to be stamped, to provide a device having a head made separate from the die holder proper so that the part of the head which receives the thrust of the dies may be heat treated to withstand the wear, and generally to provide detailed improvements in devices of this kind by which the same are rendered more secure against wear or breakage.

The accompanying drawings forming a part of this specification disclose a device embodying my improved construction, in which drawings:

Figure 1 is a side view of the device partly in section;

Figure 2 is an end view of the same;

Figure 3 is a section on the line 3—3 of Figure 1; and

Figure 4 is an end view of the die holding member detached from the head.

Referring to the drawings in detail, my improved device comprises a head 10, the lower end of which is provided with a reduced portion 11 to which portion the die holding member 12 is secured, this member having a slot 13 in which the end portion of the head 10 is arranged, these parts being fastened together, preferably by means of a series of rivets 14. As will be noted the reduced portion 11 of the head 10 is provided with a straight face 15 against which the inner ends of the dies 16 are adapted to abut, the dies being mounted in a recess or slot 17 also formed in the die holding member 12. To hold the dies in position in the member 12, I provide a clamping plate 18 which is secured to the head 10 and member 12 by means of a bolt 19 preferably threaded through said parts 10 and 12 and held in place by a cotter pin 19a. The lower end of the plate 18 is provided with a lip 20 which extends through a slot 21 in the member 12 and engages notches 22 formed in the sides of the dies 16. The dies are thus held against removal from the member 12 while the locking plate 18 is in position. To hold the dies rigidly in the slot 17 I provide a set screw 23 which is threaded into one end of the member 12 and positioned to engage a line of dies in the slot.

By making the head 10 and die holder 12 separate from each other, I am able to heat treat and harden the reduced portion 11 of the head so that the same is able to successfully withstand the blows transmitted to the face 15 by the inner ends of the dies 16 when being used.

To provide for properly centering the dies 16 on round stock, I secure a centering plate 24 to each end of the device, each of these plates being held in position by means of a set screw 25 passing through a slot 26 in the plate and threaded into the head 10 and by means of flanges 26a which overlie and fit closely against the front and rear faces of the member 12. The slots 26 permit adjustment of the plates 24 relative to the dies 16 to accommodate round stock of different sizes. Each of said plates 24 at its lower end is provided with spaced members or arms 24a which are adapted to contact with round stock at spaced points so as to center the dies 16 thereon and thus facilitate stamping stock of that kind. When stamping a flat surface the plates 24 are adjusted so that ends of the arms 24a are somewhat above said surface when the dies are in contact therewith. The arms in this position provide a satisfactory means for steadying the holder and retaining the same substantially vertical with reference to the surface to be stamped and thus insure uniform depth of depressions after stamping.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A stamp holder comprising a body provided with a slot adapted to receive a line of dies therein, a centering plate secured to each end of said body, each of said plates having two arms at its lower end which are arranged on opposite sides of the central longitudinal plane of said die receiving slot, whereby said holder may be centered on round stock.

2. A stamp holder comprising a body provided with a slot adapted to receive a line

of dies therein, centering means for said holder comprising a plate adjustably secured to each end of said holder, each of said plates having at its lower end two downwardly projecting spaced arms arranged on opposite sides of the central longitudinal plane of said slot.

3. A stamp holder comprising a body having a slot adapted to receive a line of dies, a centering plate secured to each end of said body, each of said centering plates having two spaced arms at its lower end arranged on opposite sides of the central longitudinal plane of said slot, the upper portion of each of said plates being provided with flanges arranged on opposite sides of said body.

4. A stamp holder comprising a body having a slot adapted to receive a line of dies, a centering plate adjustably connected to each end of said body, each of said plates having a forked lower portion, the free ends of which portions are arranged on opposite sides of the central longitudinal plane of said slot.

5. A device of the kind described comprising a head having a reduced portion at one end provided with a thrust receiving face, said portion being heat treated and hardened, an integral die holder having at one end a slot in which the reduced portion of said head is secured, said holder also having a second slot communicating with said first named slot, and means for securing a plurality of dies in said last named slot with their inner ends positioned adjacent said thrust receiving face of the head.

6. A device of the kind described comprising a head having a reduced portion at one end provided with a thrust receiving face, said portion being heat treated and hardened, an integral die holder having at one end a slot in which the reduced portion of said head is secured, said holder also having a second slot communicating with said first named slot, and means for retaining a plurality of dies in said last named slot with their inner ends positioned adjacent said thrust receiving face, said means including a locking plate secured to one side of the device and having a portion extending through a third slot in said die holder for engaging the dies in said second slot.

In testimony whereof I hereunto affix my signature.

JOHN JAMES COFFEY.