

No. 790,256.

PATENTED MAY 16, 1905.

O. F. KADOW.
DIE STOCK.
APPLICATION FILED OCT. 7, 1904.

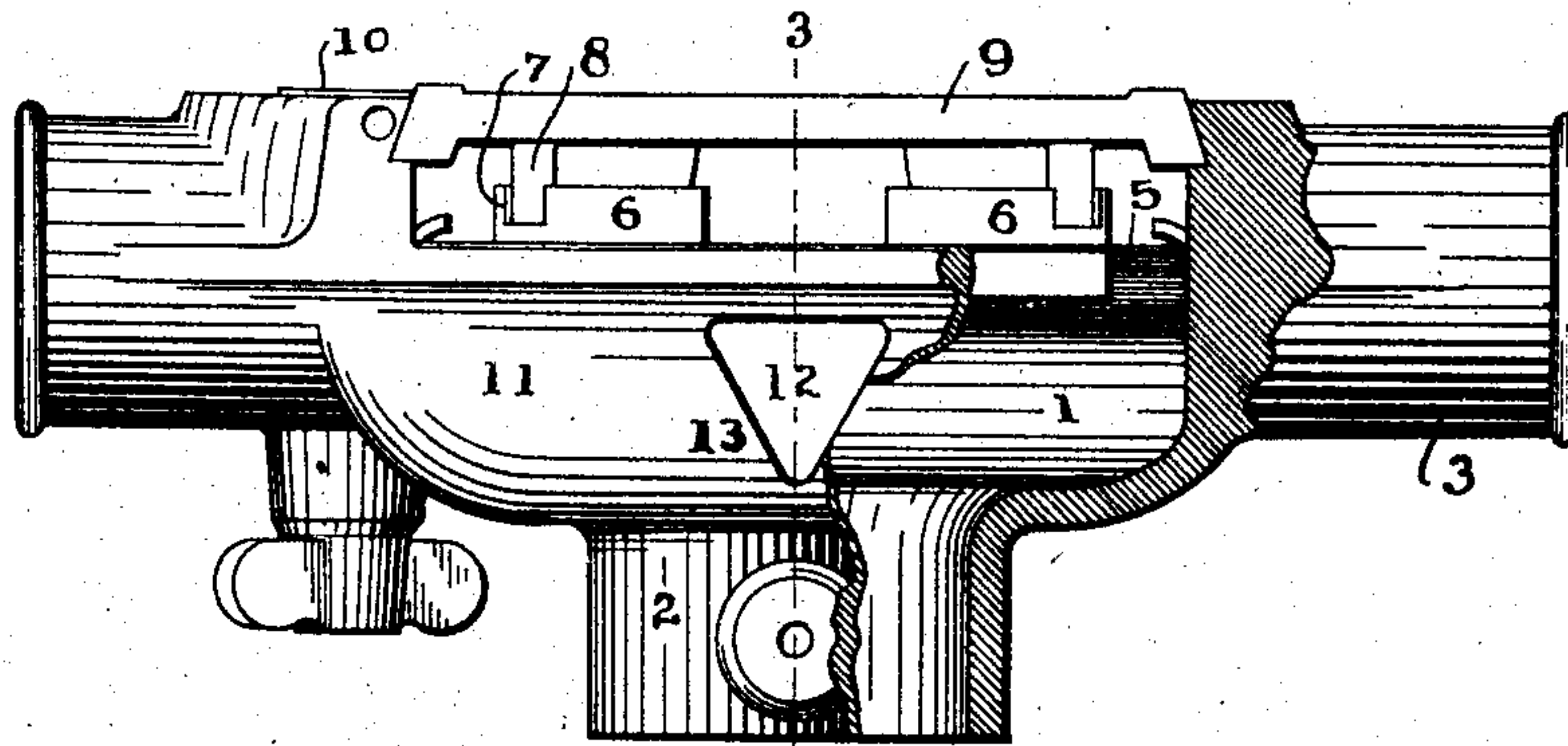


Fig. 1.

Fig. 2.

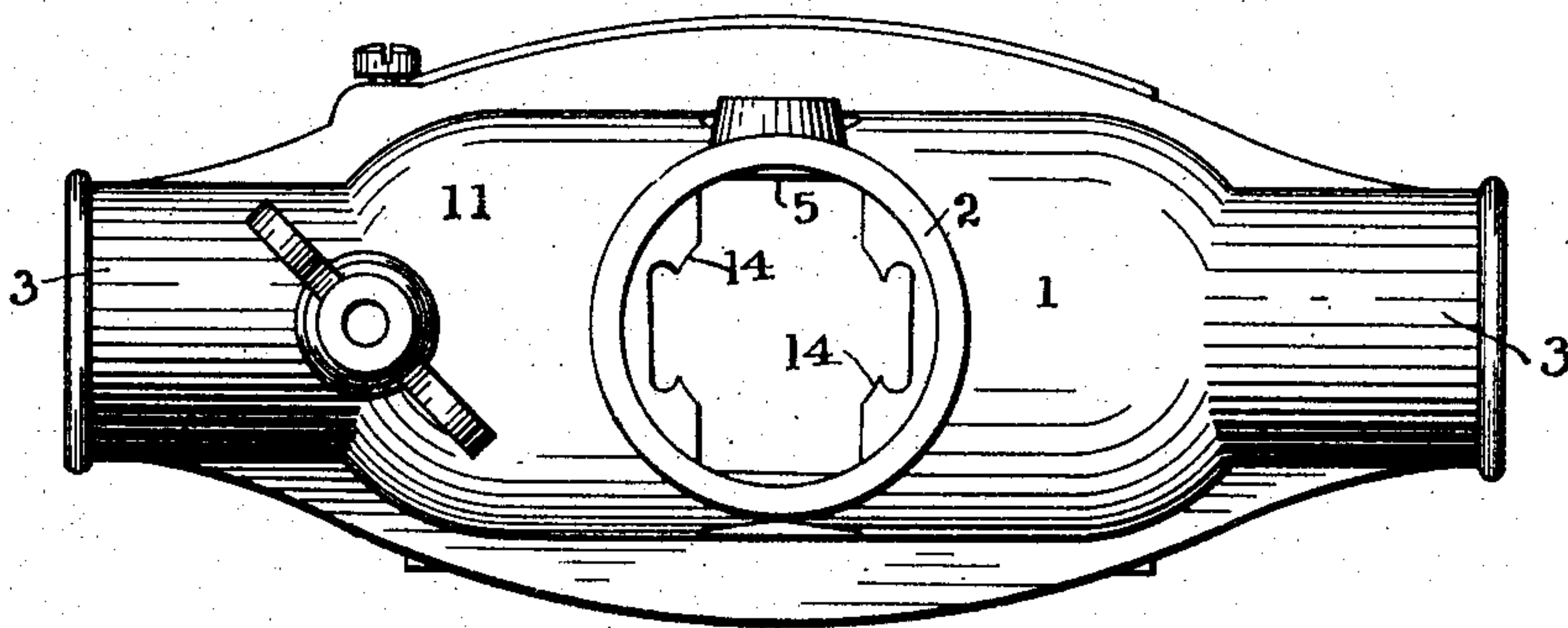
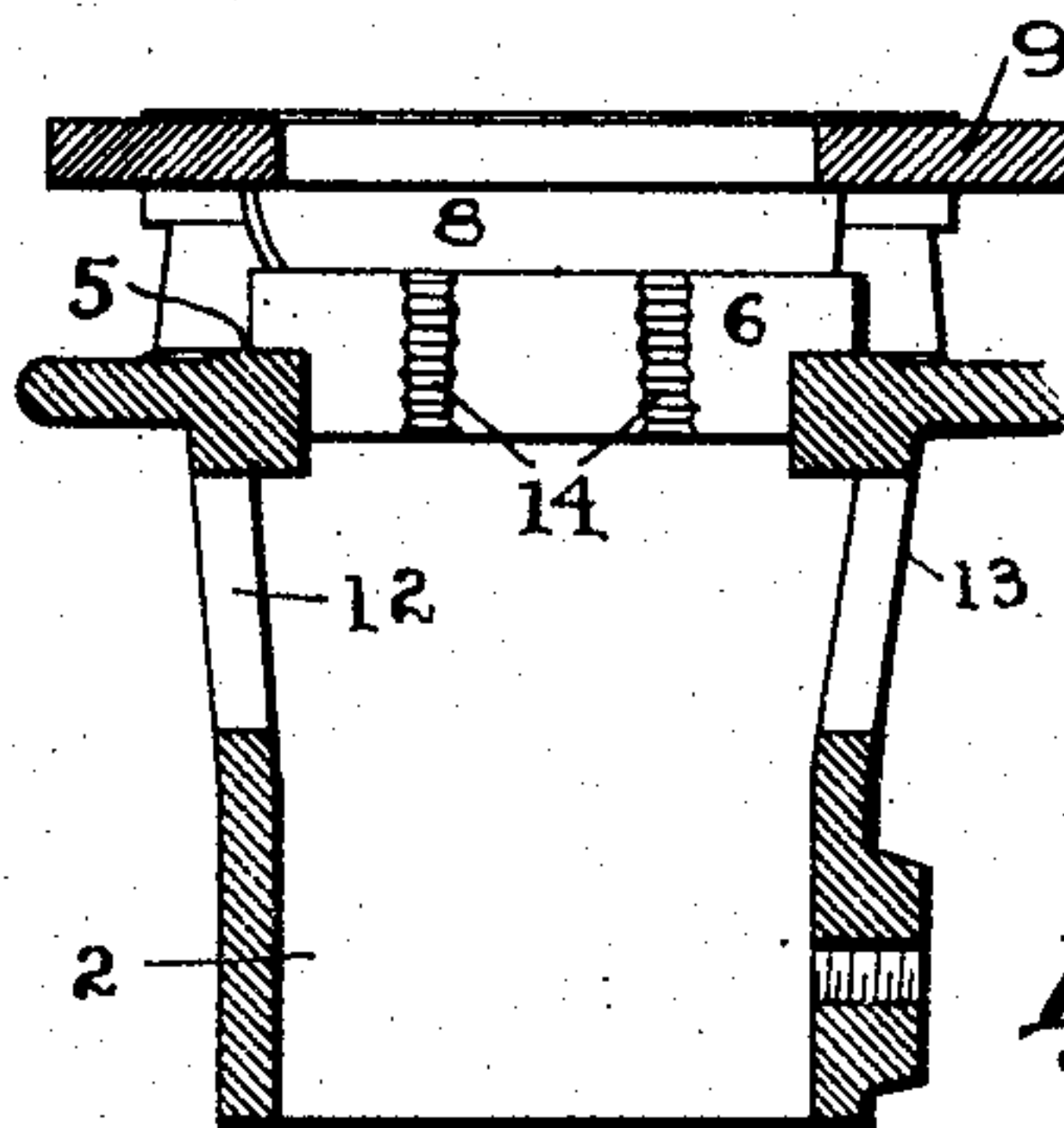


Fig. 3.



Witnesses:
Brennan & West.
Lara Hollister.

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UNITED STATES PATENT OFFICE

OTTO F. KADOW, OF CLEVELAND, OHIO, ASSIGNOR OF SIXTY ONE-HUNDREDTHS TO SAMUEL G. MORRIS, OF CLEVELAND, OHIO.

DIE-STOCK.

SPECIFICATION forming part of Letters Patent No. 790,256, dated May 16, 1905.

Original application filed July 5, 1904, Serial No. 215,216. Divided and this application filed October 7, 1904. Serial No. 227,596.

To all whom it may concern:

Be it known that I, OTTO F. KADOW, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Die-Stocks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

My invention relates to die-stocks, and has for its object to provide a simple and efficient construction of such stock whereby it may resist distortion under the strain of cutting threads on a pipe.

Generally speaking, the invention may be defined as consisting of the combinations of elements embodied in the claims hereto annexed.

Referring to the drawings, Figure 1 represents a view, partly in elevation and partly in section, of a form of die-stock embodying my invention. Fig. 2 represents a bottom plan view of such die-stock, and Fig. 3 represents a sectional view on the line 3 3 of Fig. 1.

Describing the parts by reference characters, 1 represents the body of the die-stock, said body being provided with a depending tubular portion or work-guide 2 for the reception of the article to be threaded. At each end of the upper portion of the die-stock is the customary tubular extension 3 for the reception of the operating-handle. (Not shown.)

As shown, the upper portion of the body is provided at each side thereof with a guideway 5, on which the dies 6 are supported. Each of these dies is provided with the usual thread-cutting portion 14 and with the groove 7 in the top thereof for the reception of a rib 8, carried by the cover-plate 9. These grooves and ribs may be inclined, as shown in my application, Serial No. 215,216, filed July 5, 1904, of which this is a division. As in the parent application, this die-stock is provided with a vertically-adjustable clamp 10, adapted to engage the adjacent inclined edge of the plate 9 to clamp the same in any desired position.

In order to prevent the distortion of the die-guides under continued operation, I provide the stock with a hollow bulge or arch 11. This bulge or arch comprises the entire under side of the stock, has its convex surface presented outwardly, and extends across from the lower side of one guide to the lower side of the other guide and from end to end of the stock-body. From the center of the bulge or arch depends the collar or work-guide 2. The arch or bulge has side portions 13, which are extensions of the work-guide, and arched end portions extending from said work-guide to the ends of the stock-body. By reason of its arched shape the material employed need not be any thicker than that of which the collar or work-guide is made. At the same time a hollow body is formed wherein an opening may be provided at 12 below the central portion of each guide and in the side extension 13, connecting the tubular portion and the bottom of the adjacent guide for the purpose of oiling the dies and the work adjacent said dies, the arch construction more than compensating for the weakening produced by forming such openings.

It will be evident that the above construction provides in an integral die-stock a cheap and particularly effective reinforcement for the stock.

While I have described my invention in detail, it will be obvious that such details may be departed from more or less without avoiding the spirit of my invention, and I do not propose to be limited to such details except as they may be included in the claims hereto annexed or rendered necessary by the prior state of the art.

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

1. An integral die-stock consisting of a body adapted to hold dies, an enlarged hollow bulge on the under side of said body, and a tubular work-guide depending centrally from the under side of the hollow bulge, substantially as specified.

2. A die-stock consisting of a body adapted to hold dies, longitudinal guides for said dies, an enlarged hollow arch or bulge on the under side of said body, a tubular work-guide

depending centrally from the under side of such bulge or arch, the bulge or arch having side portions constituting extensions of the work-guide and extending to said guides, such
5 extensions having each an opening there-through adjacent its guides, substantially as specified.

3. A die-stock consisting of a body adapted to hold dies, longitudinal guides in said body
10 for the dies, an enlarged hollow bulge or arch on the under side of said body, and a tubular work-guide depending centrally from the under side of such bulge or arch, said bulge or

arch having side portions constituting extensions for said work-guide and extending to 15 the longitudinal die-guides and provided with openings adjacent said guides and also having longitudinally-arched end portions extending from said work-guide to the ends of the body.

In testimony whereof I affix my signature in 20 the presence of two witnesses.

OTTO F. KADOW.

Witnesses:

J. B. HULL,
S. E. FOUTS.