

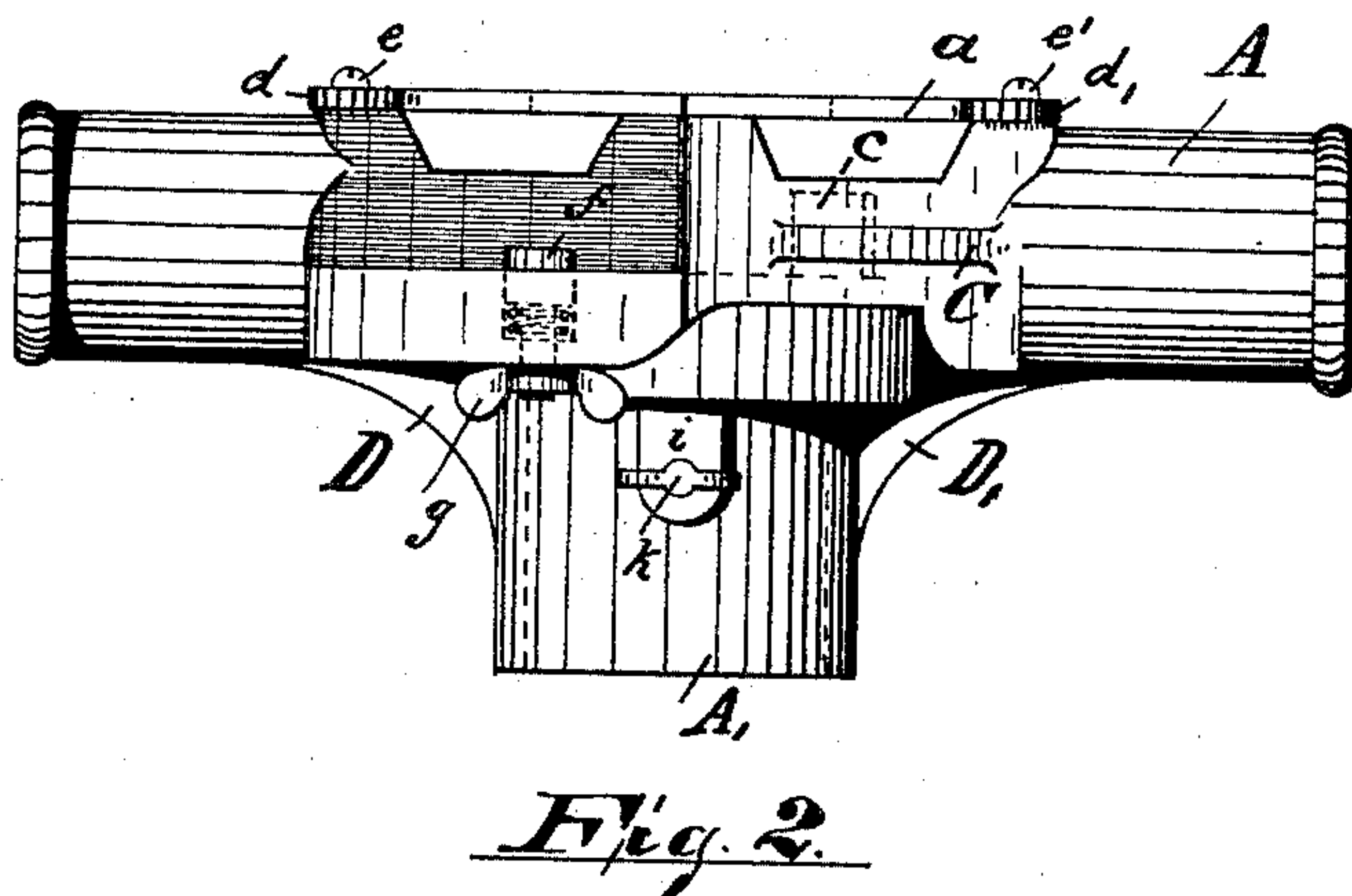
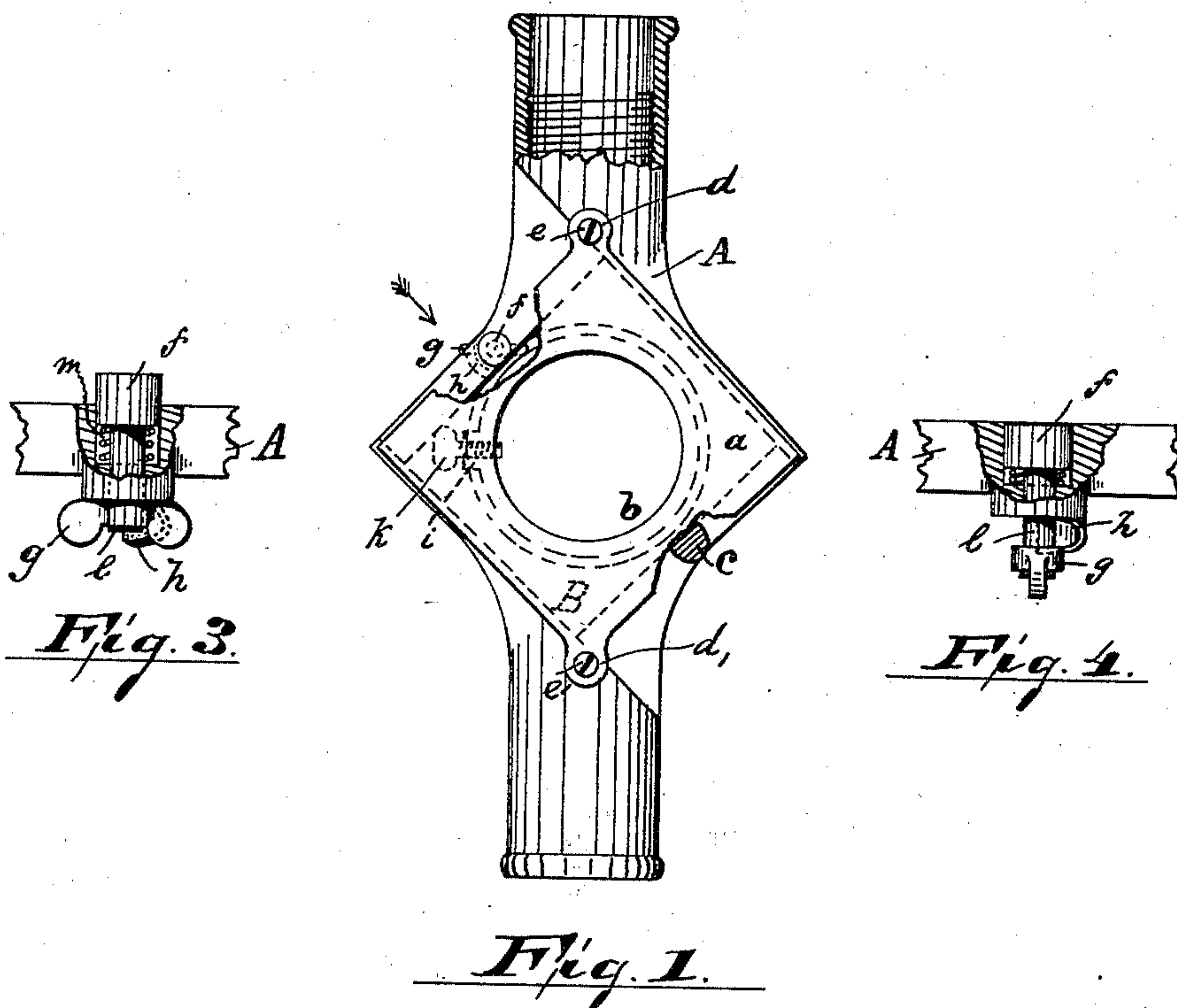
(No Model.)

DE WITT C. BEANE.

PIPE STOCK.

No. 444,686.

Patented Jan. 13, 1891.



WITNESSES:

Walter Thompson
E. L. Sherman

INVENTOR:

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UNITED STATES PATENT OFFICE.

DE WITT C. BEANE, OF NEWARK, NEW JERSEY.

PIPE-STOCK.

SPECIFICATION forming part of Letters Patent No. 444,686, dated January 13, 1891.

Application filed June 28, 1890. Serial No. 357,074. (No model.)

To all whom it may concern:

Be it known that I, DE WITT C. BEANE, a citizen of the United States, residing at Newark, Essex county, and State of New Jersey, have invented certain new and useful Improvements in Pipe-Stocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to more conveniently and readily adjust and secure a die in position in a pipe-stock, reduce the cost of construction, render the pipe-stock more durable and efficient, and is an improvement on a pipe-threading die-stock patented to me
20 November 27, 1888, and numbered 393,457.

The invention consists in the improved pipe-stock and arrangement and combinations of the various parts thereof, substantially as will be hereinafter set forth, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a top plan view of an improved pipe-stock, portions of the cap and handle holders being broken away to more clearly show the construction. Fig. 2 is a longitudinal side view, and Figs. 3 and 4 are sectional views showing a securing-pin in a
30 closed and open position, respectively.

In said drawings, A indicates a bed-plate with handle-sockets at the opposite ends thereof. The center of said bed-plate is provided with perforation *b* to receive the pipe
40 to be threaded, and the upper face of said bed-plate is arranged and adapted to receive a top plate *a*. This top plate is pivoted to the bed-plate A by screws *e*, passing through shoulders or projections *d* in the top plate, or
45 may be secured in any other manner, as desired. Underneath the top plate the bed-plate is formed with a recess in the usual manner to receive a die, (shown in dotted lines at B in Fig. 1,) adapted and arranged to be in
50 position over the pipe opening or receptacle A', as seen in Fig. 2. The die enters the re-

cess in the direction of the arrow shown in Fig. 1, and is prevented from passing the desired or required position by a stop *c*, preferably made integral with said bed-plate, and stepped or seated in an annular collar or flange C on the under side of the bed-plate. At the opening in said recess where the die enters there is a circular opening adapted to receive a pin *f*, shouldered on its under side
60 and formed with a smaller depending piece or extension *l*. Around this extension *l* is fitted a spiral spring *m*. This spring *m* is upon the upper portion of the extension *l* and is arranged, preferably, to be within the frame
65 A. Upon the lower or outer portion of the extension *l* is adapted a winged head or nut *g* and closely fitting thereon.

Upon the under side of the bed-plate and surrounding the opening for the smaller portion *l'* of the pin *f* is formed a cam projection *h*, on which the ends of the winged head or nut *g* turn or slide, causing the nut to bind on one side of the projection *l* and thereby withdraw the pin *f* within its socket and leave
75 the recess open, free, and clear for the reception of the die (shown in Fig. 4) and as will be manifest. As soon as the die has passed into the recess or receptacle arranged for it and the nut *g* has been turned backward or
80 loosened, the pin *f*, under the action of the spring *m*, is returned to its normal position, as shown in Fig. 3, and thus, in connection with the stop *c*, holds the die in proper position in the recess in the bed-plate.

In order to strengthen and make more firm the connection between the handle portions and the pipe-receptacle to enable it to resist the strain, the bed-plate is constructed with braces or shoulders D and D', as shown in Fig. 2.

In the side of the receptacle A' is arranged a thumb-screw K working in a threaded slot in a lug or projection *i* on the bed-plate, as shown in Figs. 1 and 2, for holding the pipe as in a bushing.

Having thus described my invention, what I claim as new is—

1. In a pipe-stock, the combination, with a cutter-holder and a stock adapted on one side to receive the cutter-holder, of a locking device consisting of a stop in the bed-plate opposite the opening and against which the cut-

ter-holder rests, a sliding pin opposite said stop, a winged nut on said pin, and cam projections on said bed-plate, all said parts being adapted to operate substantially as described, and for the purposes set forth.

2. In a pipe-stock, the combination, with a stock adapted to receive a cutter-holder, of an adjustable holding-pin and a winged nut on said pin constructed and adapted to operate substantially as described, and for the purposes set forth.

3. In a pipe-stock, a device for securing a cutter-holder in the socket in the stock, consisting of an adjusting controlling-pin, a spring

adapted to hold said pin in its normal position, a winged nut on said pin, and cam projections on the bed-plate, on which said nut is adapted to slide, all said parts being arranged and adapted to operate as described, and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 25th day of June, 1890.

DE WITT C. BEANE.

Witnesses:

E. L. SHERMAN,
WALTER THOMPSON.