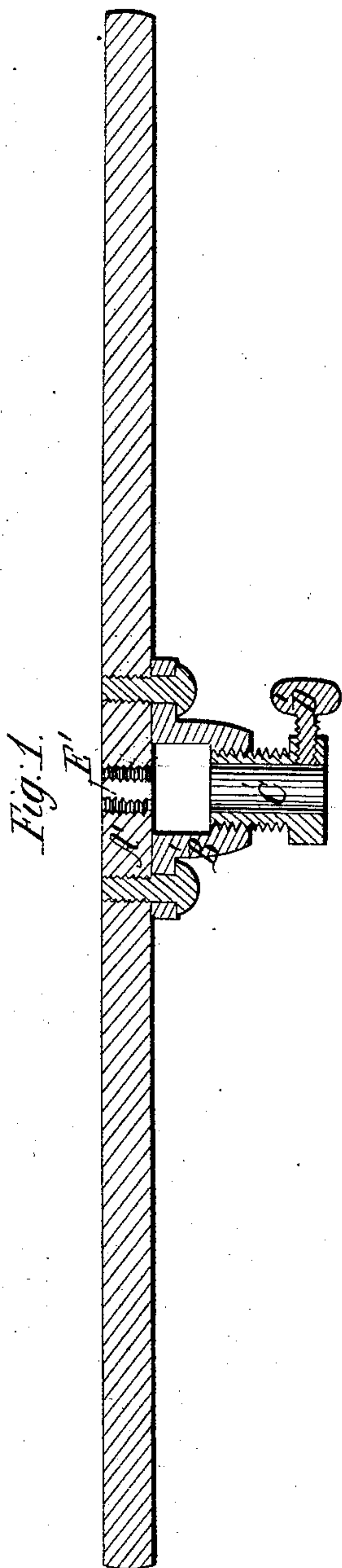


*J. D. Briggs.*

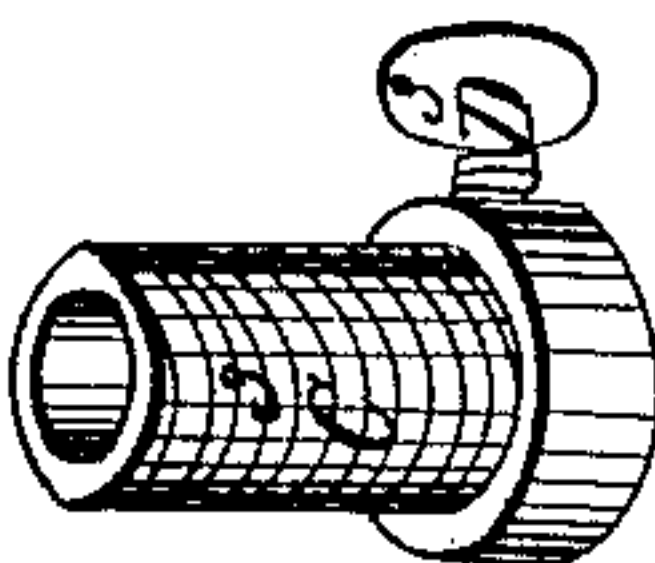
*Die Plate.*

*N<sup>o</sup> 69,644.*

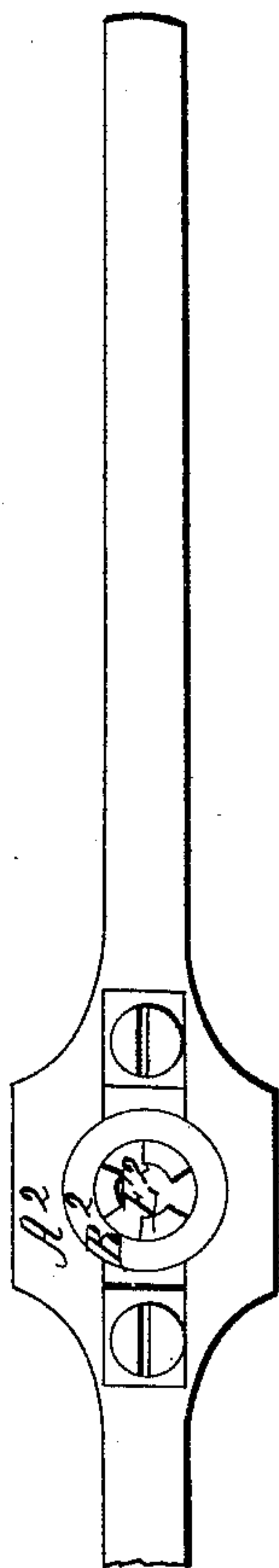
*Patented Oct. 8, 1867.*



*Fig. 3.*



*Fig. 2.*



*Witnesses;*  
*Geo. Davis,*  
*Th. B. White*

*Inventor;*  
*James D. Briggs*

# United States Patent Office.

JAMES D. DRIGGS, OF NEW BEDFORD, MASSACHUSETTS, ASSIGNOR TO  
HIMSELF AND EDWARD MERRILL, OF SAME PLACE.

*Letters Patent No. 69,644, dated October 8, 1867.*

## IMPROVED DIE-PLATE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES D. DRIGGS, of New Bedford, in the county of Bristol, in the State of Massachusetts, have invented a new and improved Mode of Starting a Bolt, Rod, or Pipe into a Die for the purpose of cutting a thread thereon; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in a frame attached to the die-plate, in which is screwed a cylinder having a screw cut upon its outer surface, containing the same number of threads to the inch as the die, and with a bore just large enough to admit the bolt, or other article, in which cylinder, the bolt, rod, or pipe to be cut is secured by a set-screw.

Figure 1 is a longitudinal section of a screw-plate with my invention attached to it.

Figure 2 is a view of the under side of a die-plate, having the frame attached thereto, the cylinder being removed.

Figure 3 is a view of the cylinder.

Fig. 1. A<sup>1</sup> is the die-plate; B<sup>1</sup>, the frame for reception of the cylinder; C<sup>1</sup>, cylinder, in which the bolt is secured; D<sup>1</sup>, set-screw in cylinder to secure bolt; E<sup>1</sup>, dies.

Fig. 2. A<sup>2</sup> die-plate, B<sup>2</sup> frame, E<sup>2</sup> dies.

Fig. 3. C<sup>3</sup> cylinder, D<sup>3</sup> set-screw.

### *Operation.*

The within device being constructed as herein shown, and affixed as also shown, its operation may be noted. The cylinder is turned out in frame, as shown in fig. 1, and a bolt, rod, or pipe, on which it is desired to cut a thread, being secured in a vise, the cylinder is slipped on to the bolt till the end of the latter strikes the dies, when it may be secured by the set-screw. Now, by turning the plate the frame is screwed on to the cylinder, forcing the dies on to the bolt. After a few turns the set-screw may be loosened, permitting the cylinder to revolve on the bolt, in which condition it will act as a guide, and a thread may be cut as far as desired. By this device all the trouble attending the starting a thread on a bolt, etc., is obviated, and the bolt, etc., will not need pointing, thereby saving much time.

### *Claim.*

What I claim as my invention, and desire to secure by Letters Patent, is—

The frame B and cylinder C, with set-screw D, applied to a die-plate, substantially as and for the purpose herein specified.

JAMES D. DRIGGS.

Witnesses:

JNO. DAVIS,

TH. E. M. WHITE.