

No. 696,299.

Patented Mar. 25, 1902

J. E. BAINES.
THREADING TOOL.

(Application filed Nov. 27, 1901.)

(No Model.)

FIG. 1.

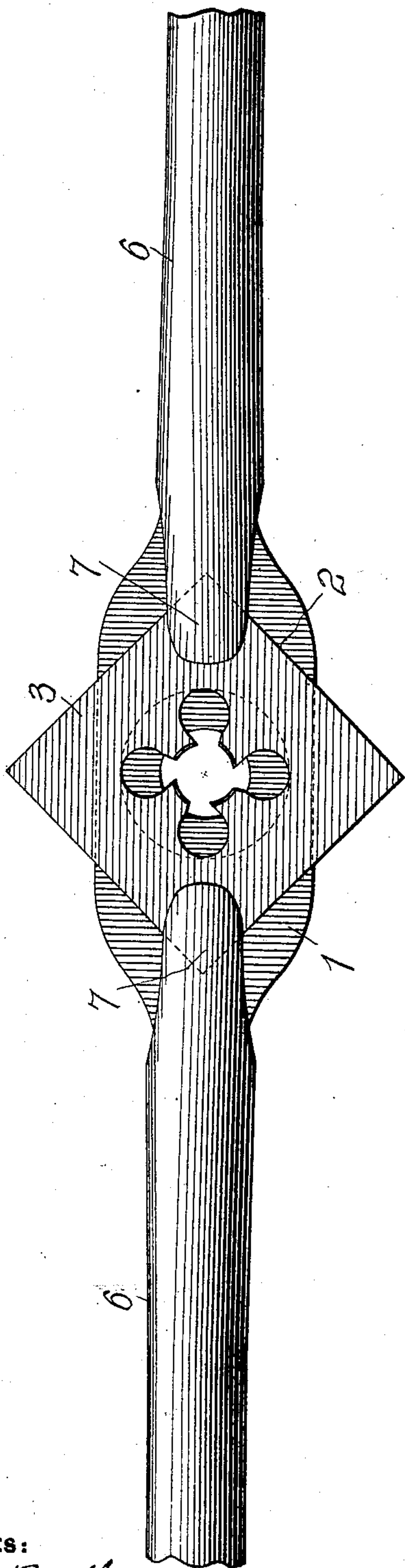
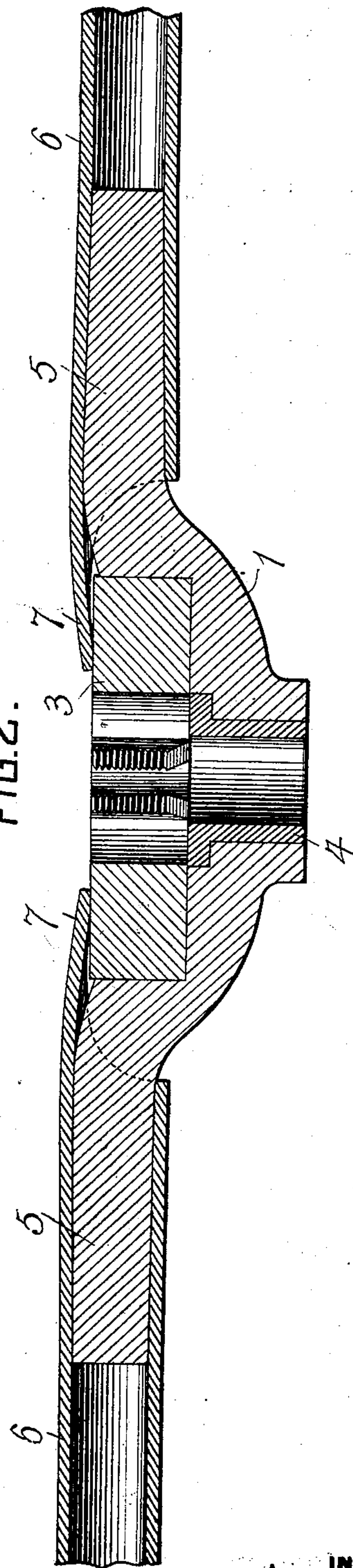


FIG. 2.



WITNESSES:

Herbert Bradley.
Fred Kirchner.

INVENTOR

Joseph E. Baines
by Darwin S. Wolcott Att'y.

UNITED STATES PATENT OFFICE.

JOSEPH E. BAINES, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOSEPH W. LATSHAW, OF PITTSBURG, PENNSYLVANIA.

THREADING-TOOL.

SPECIFICATION forming part of Letters Patent No. 696,299, dated March 25, 1902.

Application filed November 27, 1901. Serial No. 83,869. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH E. BAINES, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented or discovered certain new and useful Improvements in Threading-Tools, of which improvements the following is a specification.

The invention described herein relates to certain improvements in handles or holders for threading-dies, and has for its object a construction whereby the threading-dies may be easily and quickly inserted in or removed from the holder; and it is a further object of the invention to provide for the separation of the body portion of the holder from its handles, thereby rendering the same capable of compact arrangement for transportation.

The invention is hereinafter more fully described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a plan view of my improved holder, and Fig. 2 is a sectional elevation of the same.

In the practice of my invention the body portion 1 of the holder is provided with angular notches or recesses 2, oppositely disposed for the reception of the corners of a rectangular block 3, in which the threading-cutters are formed. A hole or opening whose axis will coincide with the axis of the circle on which the threading-cutters are made is formed through the body portion 1 and acts as guide for the tool in cutting threads on pipes or rods. This hole or opening, which is made of a diameter adapted to receive the largest pipe to be cut by the tool, can be reduced in size by the employment of thimbles 4, differing in thickness of their walls, as is well understood in the art.

The body portion 1 is formed with short arms or projections 5, arranged on opposite sides of the body portion, and on these arms are slipped tubes 6, fitting the arms or projections closely and forming operating-handles. These auxiliary or tubular handles 6 are provided with suitable means whereby when slipped in position they will hold the die-block 3 securely in its seat or recesses. A

convenient form of lock consists in forming extensions or fingers 7 on the tubular handles, said extensions being adapted when the handles are placed in position to bear upon the block, and thereby hold the same firmly in its seat in the body portion.

It will be observed by reference to Fig. 2 that the removable thimbles 4 are so arranged in the holder 1 as to be locked in position by the block or die 3, so that the lock, whereby the block or die is held in position, also serves to lock the thimble in position.

It will be readily understood by those skilled in the art that this construction permits of the packing of a complete threading-tool in a small space convenient for storing or transportation.

I claim herein as my invention—

1. In a cutting-tool the combination of a body portion provided with seats for the reception of a threading block or die and a guide-thimble, removable handles and a lock operative by a handle when adjusted to position on the body portion for securing the block and thimble in position in said seats, substantially as set forth.

2. A cutting-tool in combination with a body portion provided with a recess for the reception of a cutting or threading block and having laterally-extending arms or projections, and auxiliary handles adapted to fit over the arms or fingers and provided with means for locking the block in position, substantially as set forth.

3. A cutting-tool having in combination, a body portion provided with a recess or seat for the reception of a cutting-block and having diametrically-arranged arms and tubular handles adapted to fit over the arms and provided at their inner ends with fingers or extensions adapted to bear upon the block when arranged in its seat, substantially as set forth.

In testimony whereof I have hereunto set my hand.

JOSEPH E. BAINES.

Witnesses:

DARWIN S. WOLCOTT,
H. M. CORWIN.