

(No Model.)

B. OEHMEN.

SCREW CUTTING DIE AND STOCK.

No. 386,842.

Patented July 31, 1888.

Fig.1.

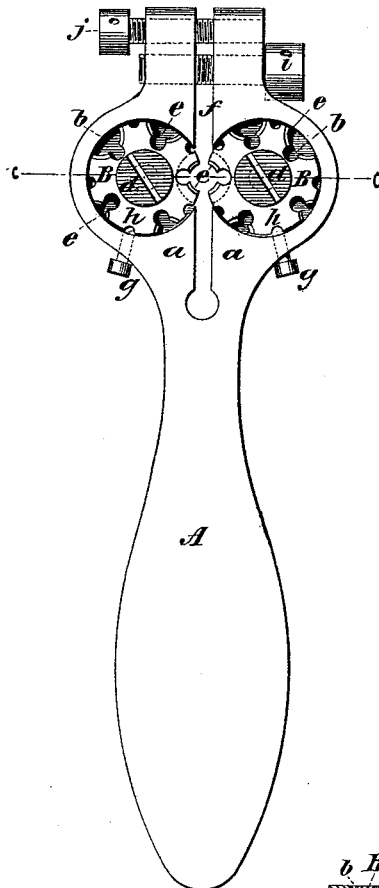


Fig. 2.

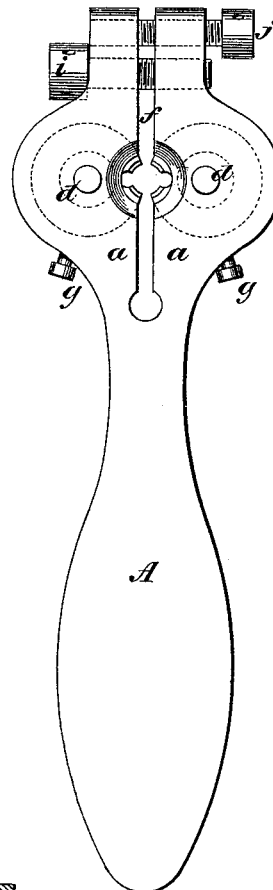
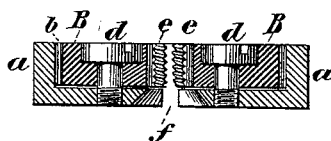


Fig. 3.



WITNESSES:

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SCREW-CUTTING DIE AND STOCK.

SPECIFICATION forming part of Letters Patent No. 386,842, dated July 31, 1888.

Application filed November 2, 1887. Serial No. 254,083. (No model.)

To all whom it may concern:

Be it known that I, BARTHOLOMEW OEHMEN, of the city, county, and State of New York, have invented an Improved Thread-Cutting Die and Stock, of which the following is a specification.

The object of my invention is to combine in one instrument the dies for cutting threads on bolts, &c., of different diameters.

The invention consists in the combination, with a forked handle or stock, of two disks, each carried by an arm of said fork, said disks having a series of corresponding varying-sized thread-cutting dies on their peripheries, as will be more fully hereinafter set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a face view of my improved die and stock. Fig. 2 is a face view of the reverse side thereof; and Fig. 3 is a cross section on the line *c c*, Fig. 1.

A in the drawings represents a handle or stock of suitable shape. At one end said handle is forked, forming two arms, *a a*.

B B are two disks, each carried by an arm, *a*, of the stock or handle, and by preference placed in a recess, *b*, in said arm, as shown. The disks B are held in place by means of screws or other pivots *d*, which pass through said disks and into said arms. The disks B are permitted freedom of rotation on said pivots.

On the periphery of each disk B are a series of thread-cutting dies, *e*, of varying sizes. Near each die *e*, on the face of the disks B B, may be placed suitable numbers for designating the diameter of the wire or bolt which the dies will receive and the number of threads to the inch. In using this improved thread-cutting die, *e*, representing the size of the bolt to be cut, is brought over the space *f* between the two arms *a a* by turning a disk, B, on its pivot *d*. The opposite disk B is now turned until the corresponding die *e* is over the space *f* and the two dies *e* register. The dies are now in position to cut the threads on the bolt.

The disks B may be held fast by screws *g*, passing through the arms *a* and into notches *h* in the disks. With this instrument, if a larger or smaller bolt or wire is to be cut, it is only necessary to turn the disks B until the dies *e* of the desired diameter are over the space *f*, care being taken that the corresponding dies *e* on the disks register.

It is often necessary in cutting threads that the corresponding dies be adjusted closer together at certain stages of the work. This I accomplish by pivoting the die-disks B B in the arms *a*, as described. The arms *a* have a spring tendency, and may be drawn together or spread by a screw, *i*, which passes through both arms. A set-screw, *j*, serves to spread said arms and to lock the screws *i* in the arms.

Each handle or stock A may be furnished with several pairs of interchangeable die-disks B, having dies of varying sizes.

With this instrument five, more or less, different-sized bolts can be cut without removing the dies. This saves considerable time, at the same time making a compact tool, and the dies are always ready at hand. Instead of hanging the die disks directly in the arms *a*, they may be pivoted in slides that are held by said arms.

Having now described my invention, what I claim is—

1. The forked handle A, combined with the disks B B, having a series of corresponding dies, *e*, on their rims, each disk B being carried on an arm of said forked handle, substantially as described.

2. The forked handle A, having spring-arms *a*, combined with the disks B B, having corresponding dies *e*, substantially as herein shown and described.

3. The handle A, having spring-arms *a* and screw *i*, connecting said arms *a*, combined with the pivoted disks B B, having corresponding dies *e*, and means for securing the disks in position, substantially as described.

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Witnesses:

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