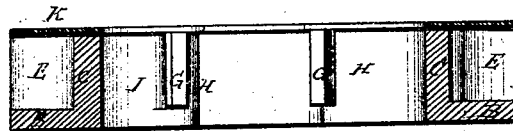
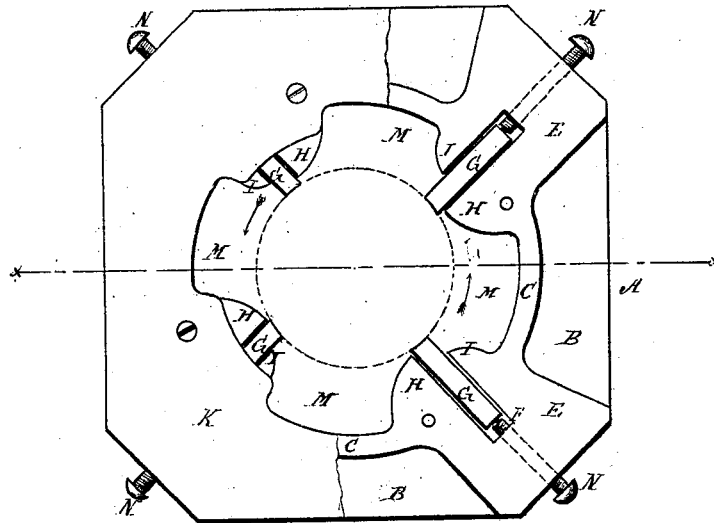


W. T. Cole

Screw Cutting Die.

No. 110437.

Patented Dec. 27. 1870.



Witnesses:
Geo. P. Mabee
Chas. Mida

Inventor:
W. T. Cole
PER Munn & Co
Attorneys.

United States Patent Office.

WILLIAM T. COLE, OF NEW YORK, N. Y.

Letters Patent No. 110,437, dated December 27, 1870.

IMPROVEMENT IN DIE-PLATES FOR SCREW-CUTTING DIES.

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, WILLIAM T. COLE, of the city of New York, in the county and State of New York, have invented a new and useful Improvement in Screw-cutting Dies; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention relates to screw-cutting dies, and consists in an improved construction thereof, as hereinafter specified.

Figure 1 is a plan, and

Figure 2, a vertical cross-section of the same.

B is an octagonal base-plate;

E are outer ribs;

H I, inner ribs;

F, recesses to receive the cutters;

C, intermediate vertical walls; and

M, inner spaces cut away between the ribs.

It will be observed in fig. 1 of drawing that rib H extends nearly to the heel of the knife, is broad and strong, and affords a rigid and firm support to the cutter, while rib I projects forward but a slight distance, leaving a large portion of the front of the knife uncovered.

K is the plate which covers the knives, which are put into the recesses from above, and adjusted by set-screws N.

By this construction of the shell which receives the cutters, the latter are backed up at the point of resistance, and the strain of the leverage against them is taken by the ribs H.

By reason of this stiff support out to the very end, I am enabled to use thin steel cutters, which can be readily changed by means of the upwardly-opening recesses.

The first cost of these cutters is thus materially diminished, while they can be replaced or repaired at a very reduced price.

Having thus described all that is necessary to a full understanding of my invention,

What I esteem to be new, and desire to protect by Letters Patent, is—

An improved shell, having the base-plate B, ribs E H I, and recesses F M, all cast in one piece, combined with a covering-plate, K, as shown and described.

WILLIAM T. COLE.

Witnesses:

GEO. W. MABEE,

L. S. MABEE.