

A. B. Seymour,

Forming Sheet-Metal Screw-Threads.

N^o 12,971.

Patented May 29, 1855.

Fig. 1.

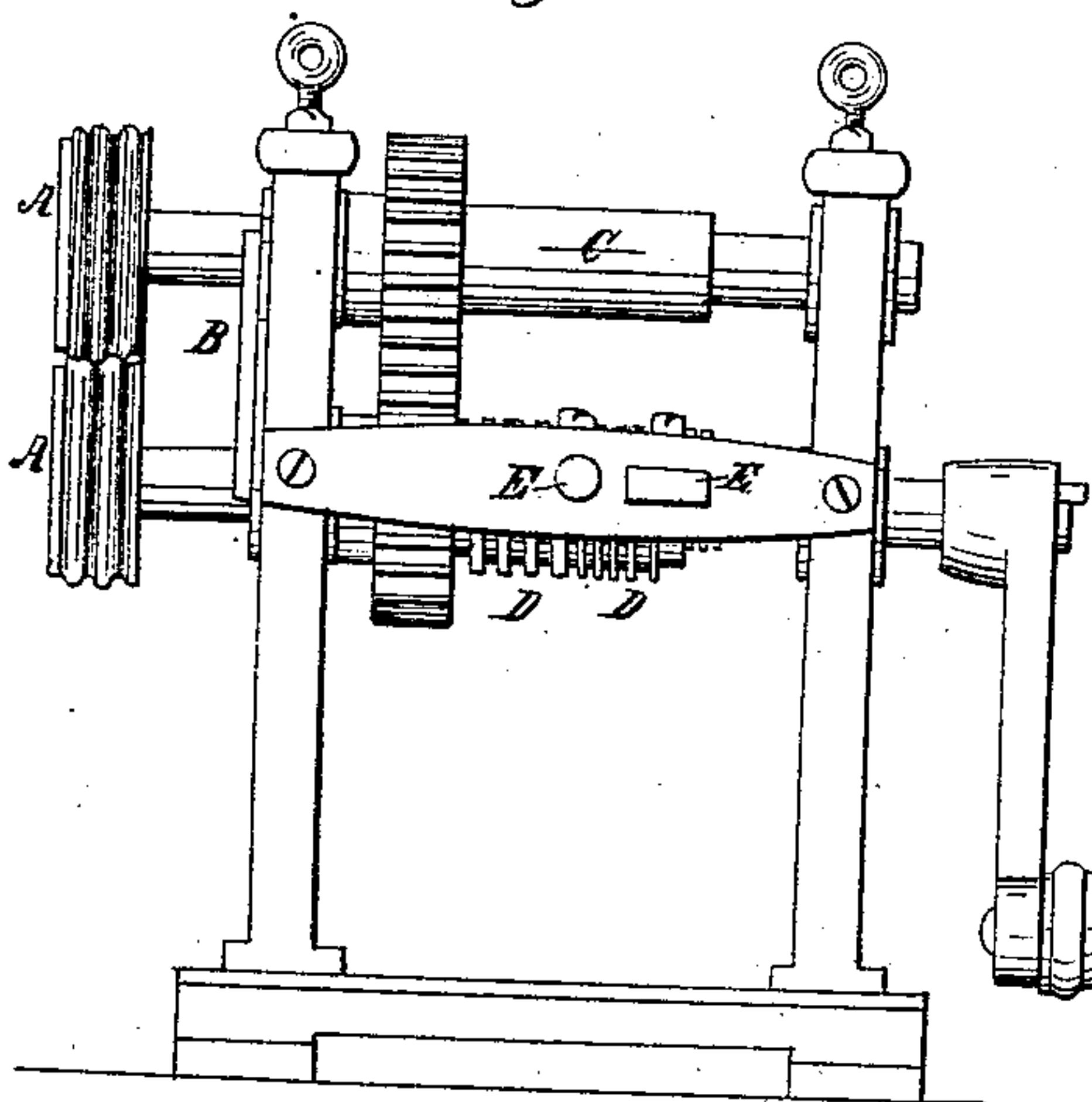


Fig. 2.

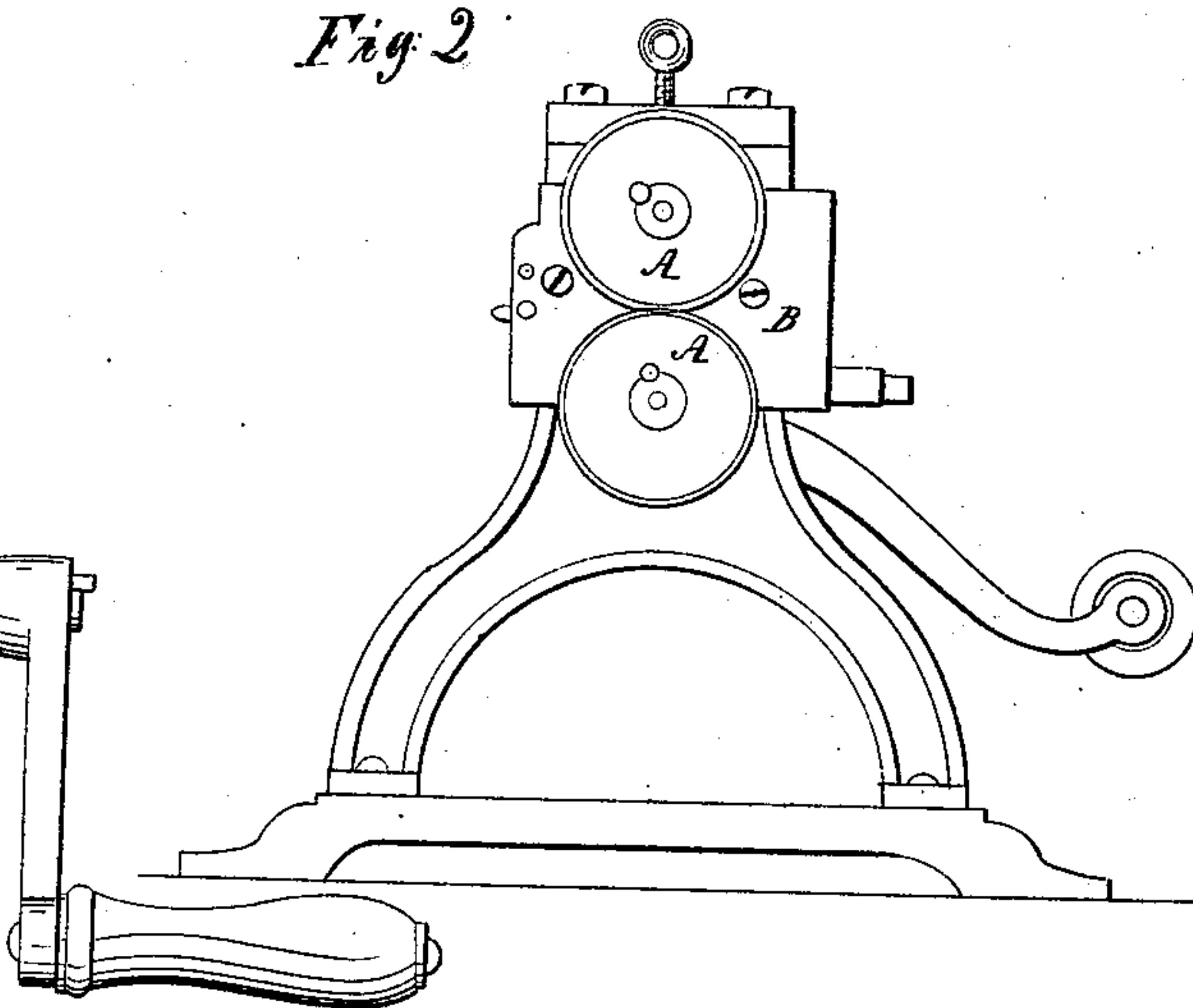


Fig. 3.

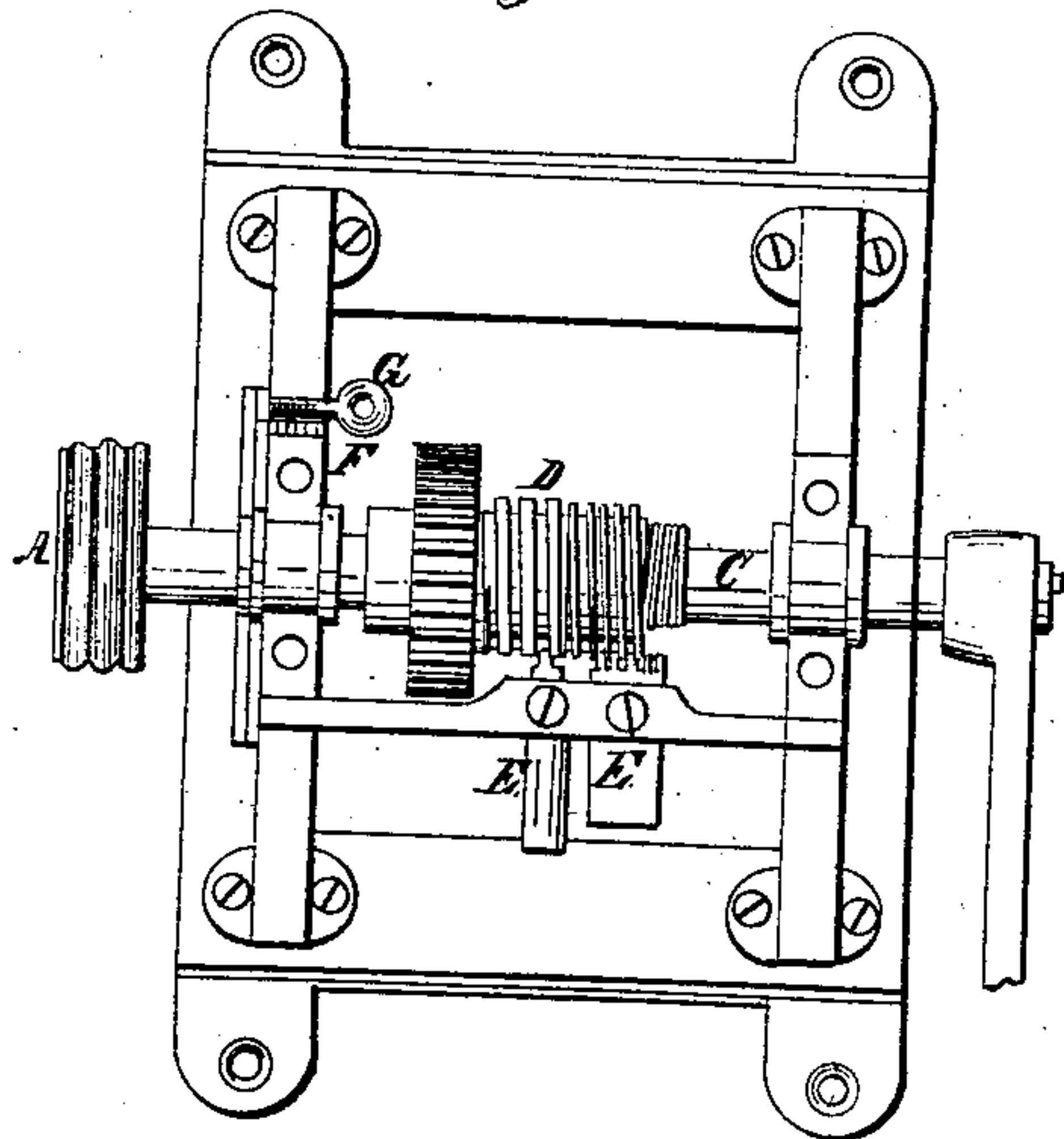


Fig. 4.

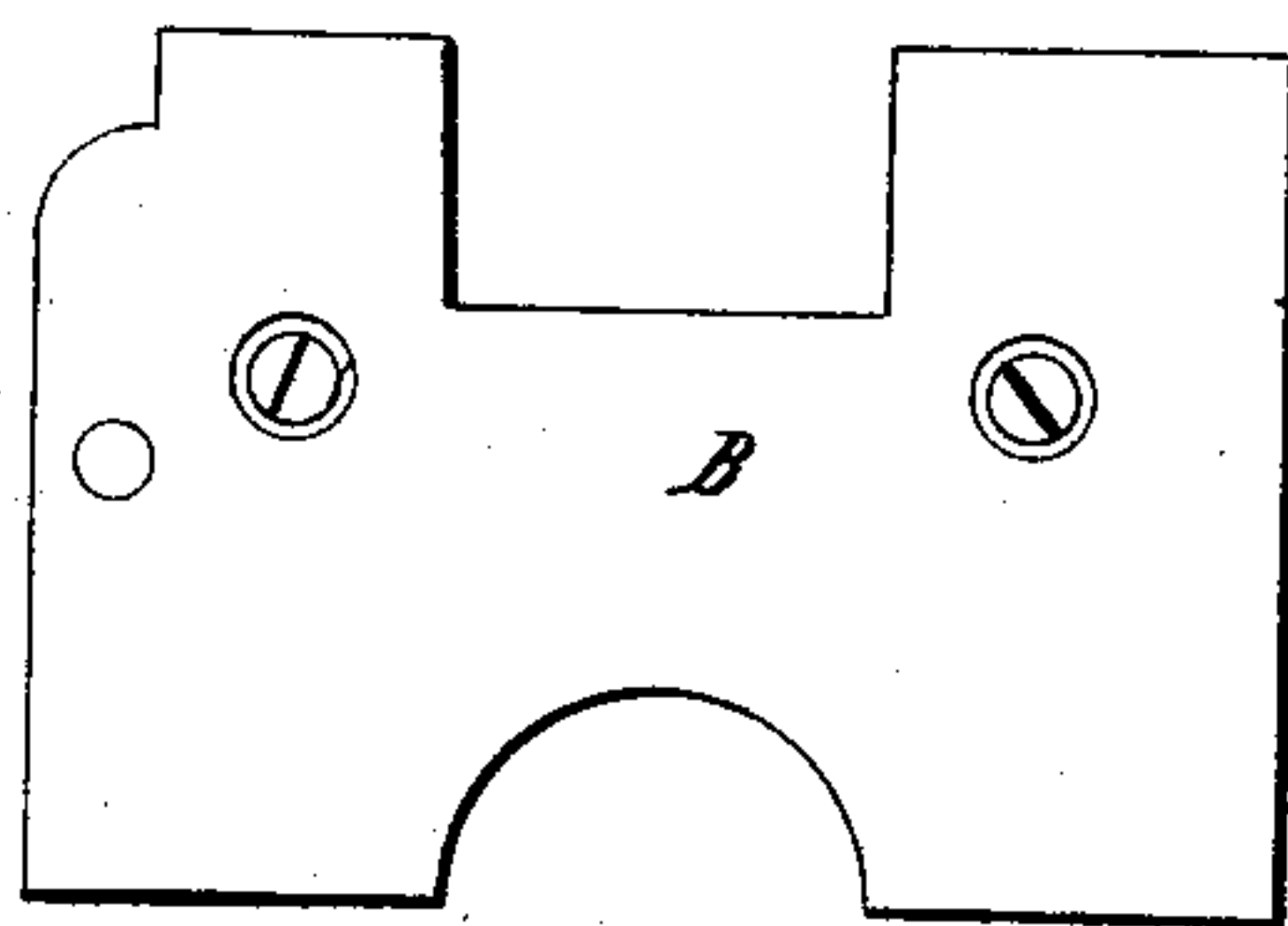
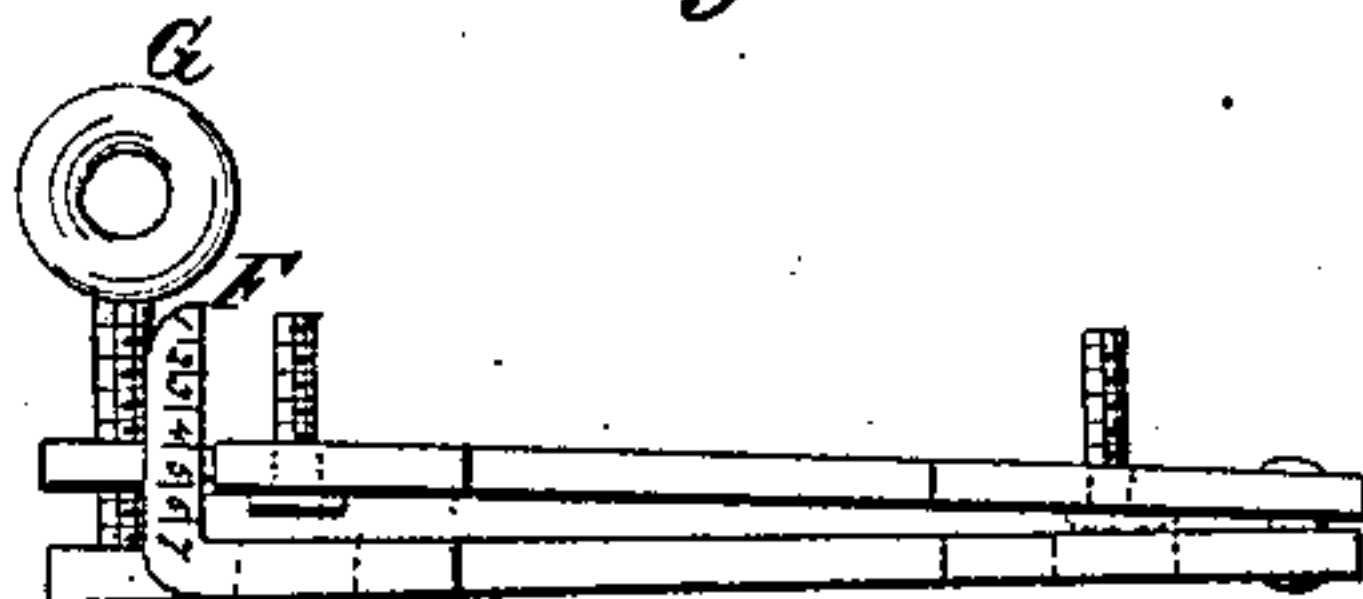


Fig. 5.



UNITED STATES PATENT OFFICE.

ALFRED B. SEYMOUR, OF CLAVERACK, NEW YORK.

IMPROVEMENT IN MACHINES FOR HELICALLY CREASING SHEET-METAL PIPES.

Specification forming part of Letters Patent No. **12,971**, dated May 29, 1855.

To all whom it may concern:

Be it known that I, ALFRED B. SEYMOUR, of Claverack, Columbia county, New York, have invented a new and useful improvement in the manufacture of stove-pipes by means of an improved machine herein described; and I hereby declare that the following is a full and exact description.

To enable others to make and use my invention, I proceed to describe its construction and operation, reference being had to the drawings hereunto annexed, and making part of this specification.

Figure 1 is a front elevation of the machine. Fig. 2 is a front elevation. Fig. 3 is a bird's-eye view. Fig. 4 shows the gage-plate enlarged; Fig. 5, the same—an edge view.

The construction of my spiral swaging-machine consists in combining with the swage A a gage-plate, B, and different sizes of screws D, (with gages,) to cause the swages to move nearer to the gage-plate in forming the screw.

The article to be made is generally stove-pipe with screw-joints.

This machine can be set for as many sizes of pipe as there are screws D, with their corresponding gages, E.

Upon the top edge of the gage-plate (see Fig. 5) there is a finger or indicator, F, upon

which a scale is marked. By turning the thumb-screw G the gage is set at any angle required, the scale marked and numbered upon the indicator being the guide for the operator. When the gage-plate is set, it is required to set the gage E in the proper screw D, the screws D being made fine or coarse, according to the size of pipe to be made. When both are set to correspond, the pipe is swaged in the ordinary manner of swaging; but the effect produced is different, a spiral being formed by the swaging-rollers being moved up toward the gage-plate.

The frame of the machine should be of iron, and of any form.

The parts of the machine not minutely described are like corresponding parts in ordinary swaging-machines.

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

The plate B (having a gage) between the shafts of the creasing-rollers, and adjusted by a set-screw, so that the proper inclination may be given to the end of the pipe.

ALFRED B. SEYMOUR.

Witnesses:

OWEN G. WARREN,
I. S. SEYMOUR.