

A. B. Seymour,

Forming Sheet-Metal Screw-Threads.

N^o 2,971.

Patented May 29, 1855.

Fig. 2

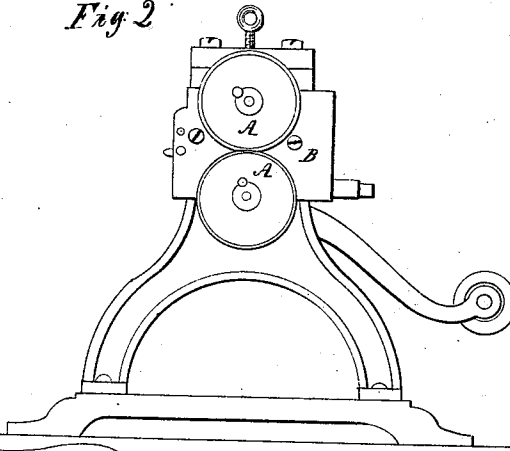


Fig: 1.

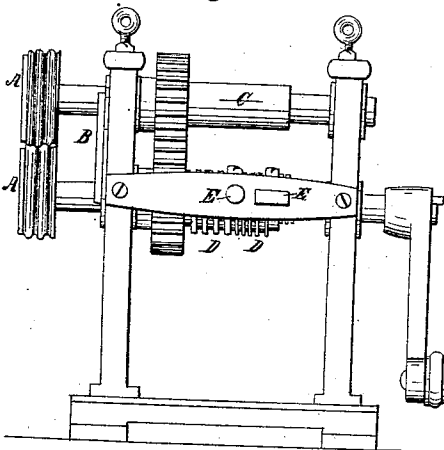


Fig: 4.

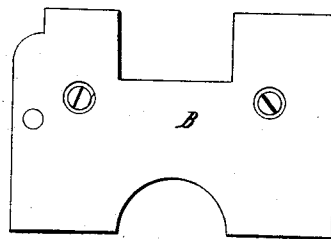


Fig. 5.

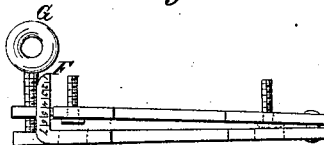
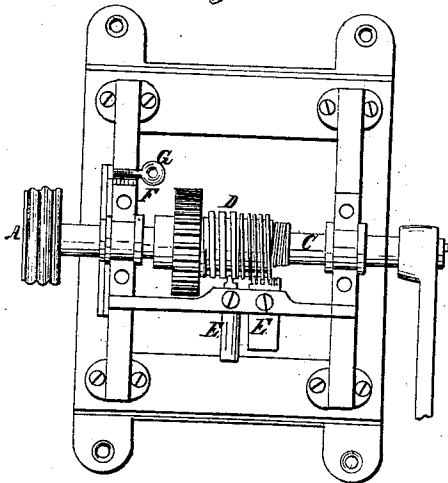


Fig: 3.



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.