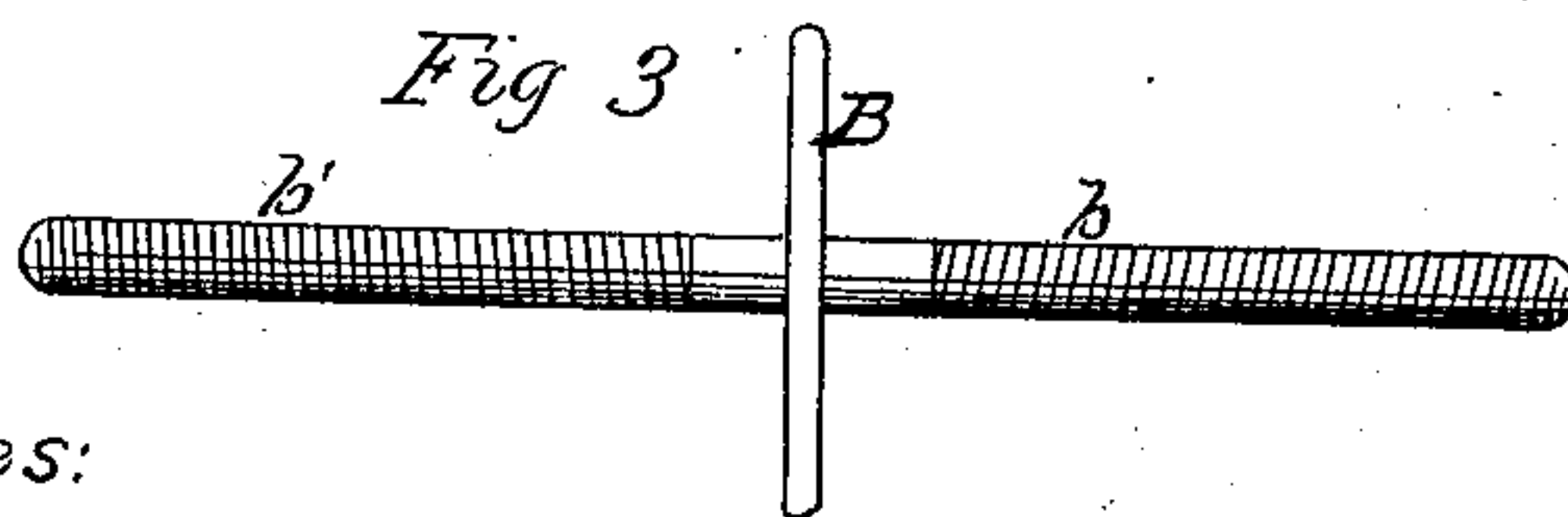
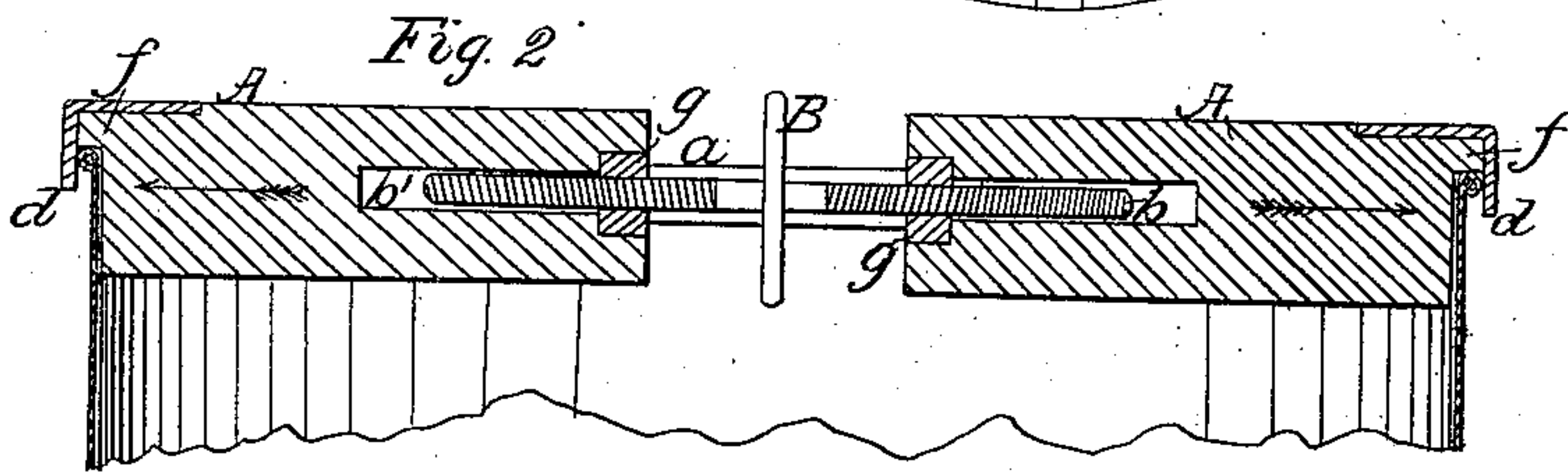
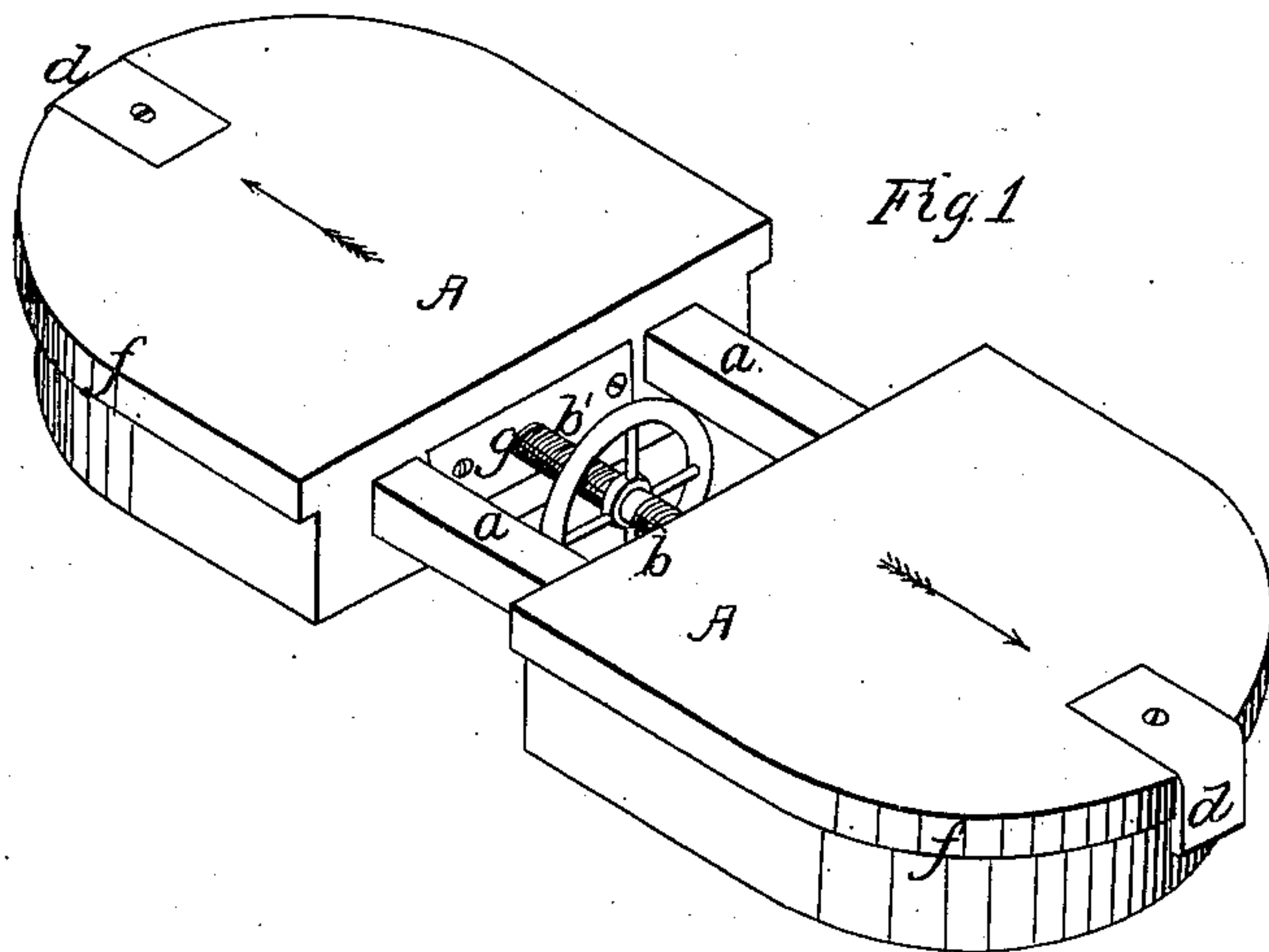


J. S. JENNINGS.
BOILER FORM.

No. 62,852.

Patented Mar. 12, 1867.



Witnesses:
J. A. Davis
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attys

United States Patent Office.

JOHN S. JENNINGS. OF MEDINA, NEW YORK.

Letters Patent No. 62,852, dated March 12, 1867.

IMPROVEMENT IN BOILER FORMS.

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, JOHN S. JENNINGS, of Medina, in the county of Orleans, and State of New York, have invented a certain new and useful Improvement in Forms for Shaping the Tops of Stove Boilers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

Figure 1 is a perspective view of the apparatus.

Figure 2, a longitudinal section of the same, situated in the mouth of a boiler.

Figure 3, view of the right and left-hand screw detached.

Like letters of reference indicate corresponding parts in all the figures.

The object of my invention is to shape the tops of ordinary oval stove boilers so that the covers will fit accurately. A device is now in use for that purpose, consisting of a central block, having hinged at one end, (so as to turn up or down,) a half circular head, and at the other end a similar head not hinged, but which is expanded by means of a single-acting screw. The great difficulty with this device is, that simply fitting the mouth of the boiler, and having nothing to sustain it, it cannot be easily retained in position, but becomes displaced by the action of the mallet on the outside. By reason of one end only adjusting, the expansion is also irregular and unequal. My invention consists in the employment of a flange or rim on the sliding blocks, for holding on the edges of the boiler, with lips for clasping the same; and the use of a right and left-hand screw for expanding the blocks equally; and dowels or slides for the blocks to move on, thereby insuring an equal expansion and easy action.

As represented in the drawings, A A are two blocks, with the outer ends rounded in order to conform to the ordinary oval form of a stove boiler. They are connected at the middle by two dowels or slides, *a a*, over which they move loosely, and also by right and left-hand screws, *b b'*, with hand-wheel B, which pass through nuts *g g*, fixed firmly on the ends of the blocks. The blocks are provided with a projecting rim or flange, *f*, at the top, which rests upon the edge of the mouth of the boiler, and at proper positions, with lips, *d d*, which clasp over the edge, as shown in fig. 2. The rim *f*, by resting over the top of the boiler, and the lips *d*, by clasping it, always retain the device in place against the action of the mallet in shaping the boiler. In the arrangement before alluded to there is nothing to retain the device, but it must be held by one hand of the operator, and even then the jar will displace it. The right and left-hand screw expands both heads equally, which cannot be the case where a single-acting screw is employed. The dowels *a a* allow each head to slide freely, but still retain both securely in place. By this arrangement but two principal parts, A A, instead of three, as in the other, are required.

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

The rim *f* and lips *d*, the double-acting screw *b b'*, and the dowels *a a*, when combined with the two heads A A, the whole arranged and operating as herein set forth.

JOHN S. JENNINGS.

Witnesses:

KELLOGG B. FINLEY,

WM. F. HORTON.