

T.S. Brown,

Flask Guide.

No. 101426.

Patented Apr. 5. 1870.

Fig. 1.

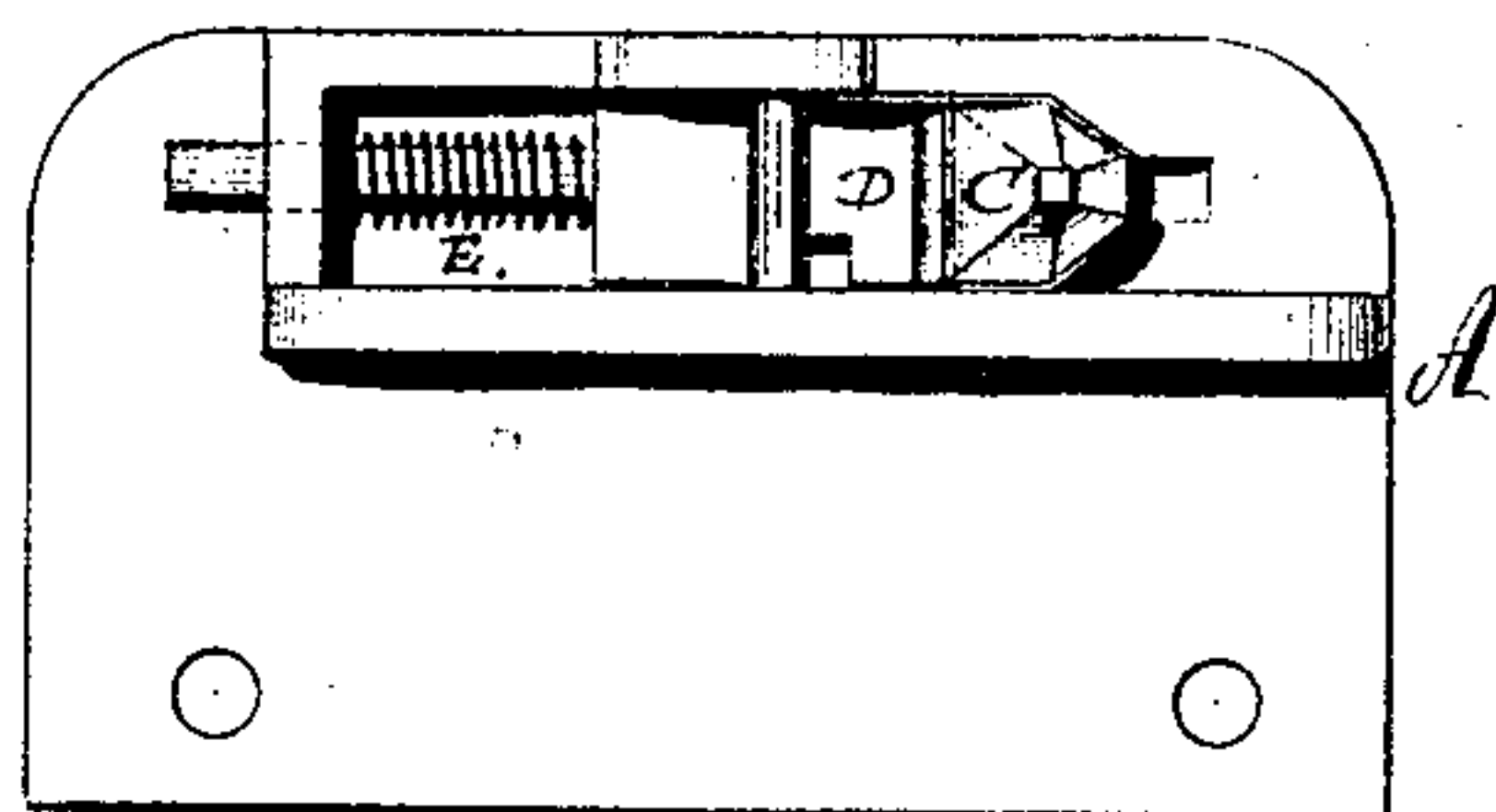
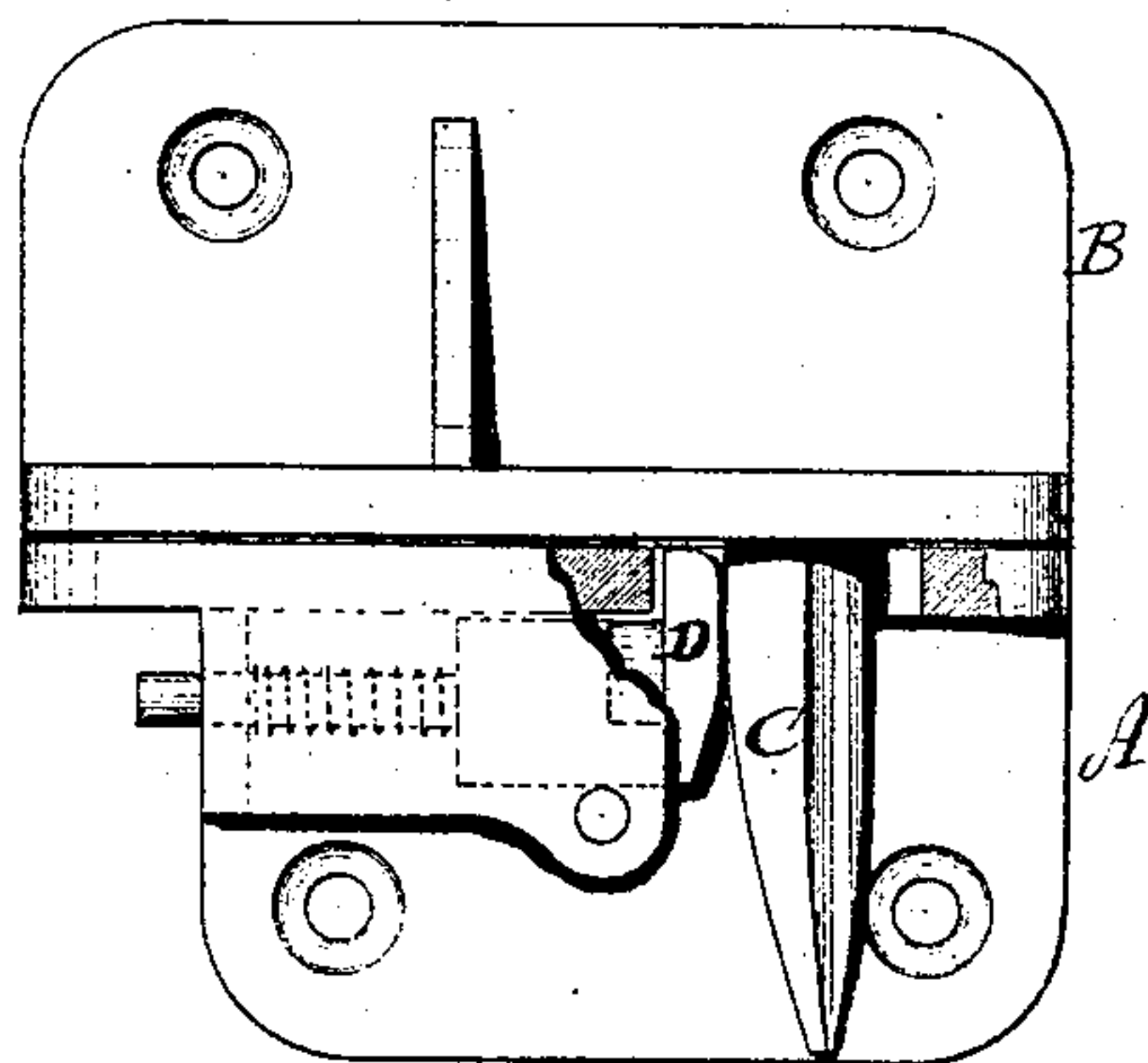


Fig. 2.



Witnesses:

A. Berneimendorf

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Inventor:

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PER

[Signature]
Attorneys.

United States Patent Office.

THOMAS S. BROWN, OF POUGHKEEPSIE, NEW YORK.

Letters Patent No. 101,426, dated April 5, 1870.

IMPROVEMENT IN FLASK-GUIDES.

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, THOMAS S. BROWN, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Flask-Guides; 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.

This invention relates to a new and useful improvement in mode of guiding the parts ("cope" and nowel) of a foundry-flask together; and consists in a triangular or polygonal guide-pin, tapering on one side, and acted upon by a spring, so that the cope may be kept perfectly steady and closed back on to the nowel in the exact position it occupied when the pattern was molded, as will be hereinafter more fully described.

In the accompanying drawing—

Figure 1 is a view of the part which is fastened to the lower part or nowel of the flask, showing the spring and bolt.

Figure 2 is a side view of the two parts placed together as when in use, the spring being shown in dotted lines, and the part covering the spring bolt being broken away to show the head of the bolt.

Similar letters of reference indicate corresponding parts.

A is the part which is fastened to the lower part of the flask.

B is the upper part.

C is the guide-pin, which is designed to be triangular in form, with one side (bearing against the spring bolt) tapering, as seen in fig. 2.

The other sides are designed to be straight, excepting at or near the end, so that when the pin has entered the hole in the projecting flange of A it will be guided down perpendicularly when the flask is closed.

D is a spring bolt, the head of which bears against the tapering side of the pin, and keeps the back or straight portion of the pin against the back portion of the hole.

E is a spiral spring around the bolt.

The pressure of the spring prevents any trembling or vibration, and allows the cope to descend to the exact position from which it was taken.

I do not confine myself to the particular arrangement shown as regards the spring and bolt, as I am aware that the same or a similar result may be produced by a spring operating in a different manner.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

A guide-plate, A, for flasks, provided with a spring bolt, D, whereby the guide-pin is operated upon, in the manner described.

THOS. S. BROWN.

Witnesses:

ROBT. N. PALMER,
WM. MCLEARY.