

JOHN JAMES GREENOUGH.

Improvement in Fastenings for Boxes, &c.

No. 120,192.

Patented Oct. 24, 1871.

Fig. 1.

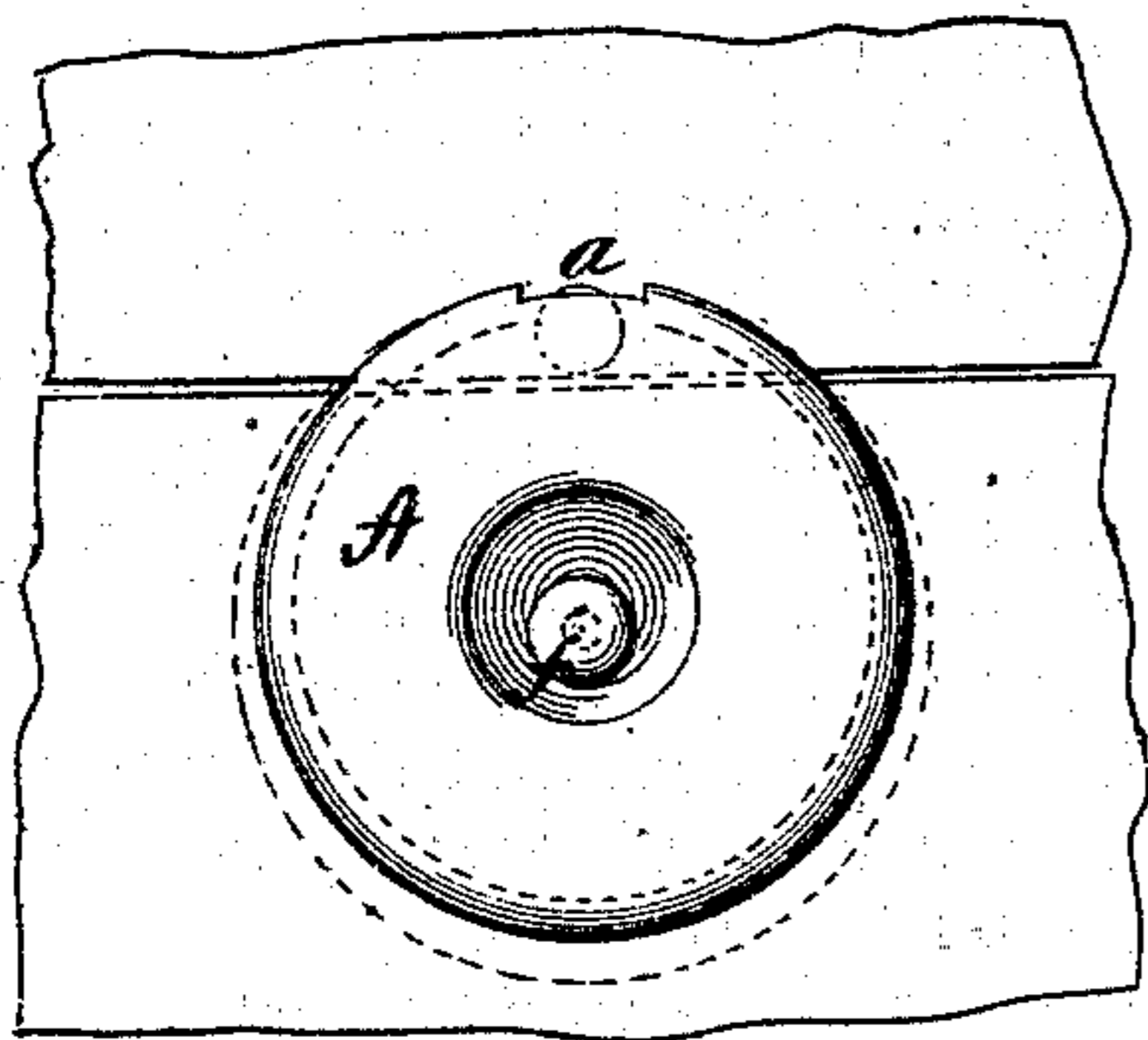


Fig. 2.

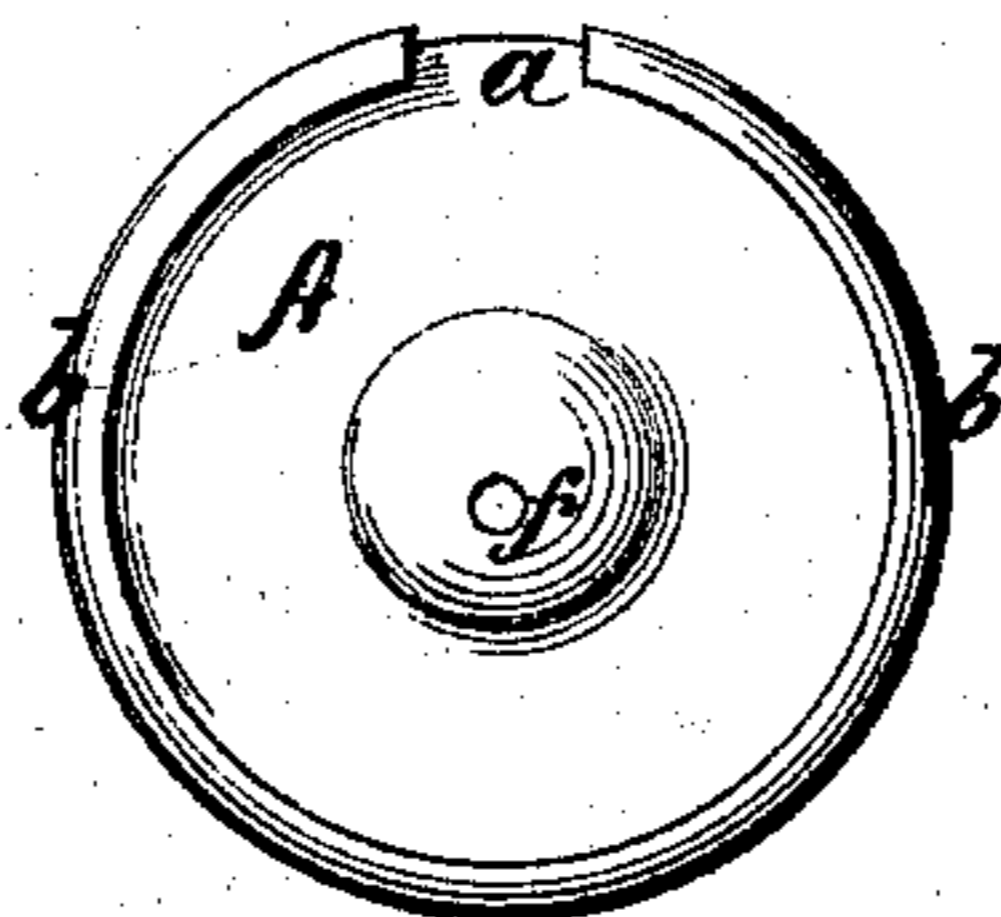


Fig. 3.



Fig. 4.



Witnesses.

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# UNITED STATES PATENT OFFICE.

JOHN JAMES GREENOUGH, OF SYRACUSE, NEW YORK.

## IMPROVEMENT IN FASTENINGS FOR BOXES, &c.

Specification forming part of Letters Patent No. 120,192, dated October 24, 1871.

*To all whom it may concern:*

Be it known that I, JOHN JAMES GREENOUGH, of Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in "Box-Fastenings," and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a curved-lip button, eccentrically pivoted and used in combination with a catch of suitable construction, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a front view of the box fastening. Fig. 2 is a rear view of the curved-lip button. Fig. 3 is a transverse vertical section through the center of Fig. 1; and Fig. 4 shows various forms of catches that may be used with the button.

A represents a round piece of this metal punched out, of the desired size, in which a notch, *a*, is cut. This blank or round piece of metal is submitted to the action of a die, which stamps it into form and impresses its face with any figure engraved on the die, and at the same time turns its edge all around, thus forming the

curved lip *b*, as shown in Fig. 2. The notch *a* leaves an open space in the lip or rim *b*, and a hole, *f*, is made through this button near the center, for the pin or stud upon which it is to turn. This hole should be a very little further from the notch *a* than from the opposite side, thus giving a slight eccentricity to the revolution of the catch, which causes it to draw gradually upon the knob or catch to tighten its hold, and hold the cover firmly down to its place. A catch or hook of any desired construction may be used. In Fig. 4 I have represented three different forms, *x y z*; but I do not confine myself to these, as they may be made in any convenient manner. The button A should generally be pivoted to the body of the box, and the catch fastened to the lid; but it is, of course, immaterial if this order should be reversed.

The box-fastening thus constructed may be made of various sizes, to suit the purposes for which the same may be used.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The curved-lip button A with notch *a*, constructed as described, and turning on a pivot, in combination with a catch of suitable construction, substantially as and for the purposes herein set forth.

JOHN JAMES GREENOUGH.

Witnesses:

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