

C. M. JOHNSON.

Button-Hole Cutters.

No. 133,708.

Patented Dec. 10, 1872.

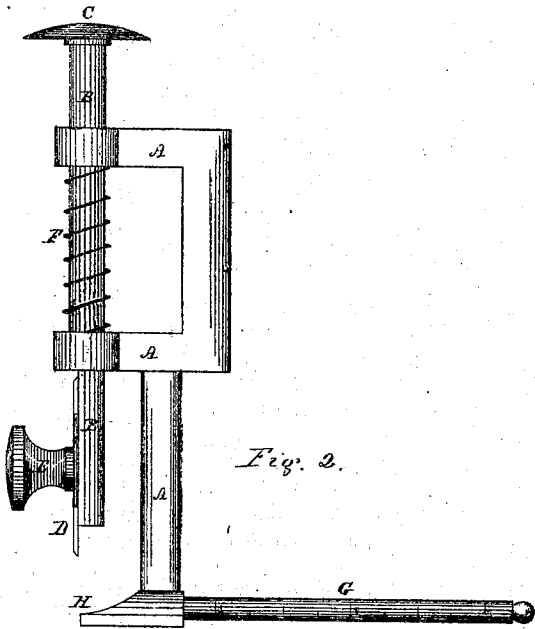


Fig. 2.

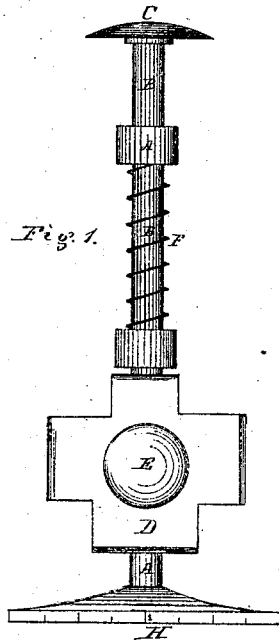
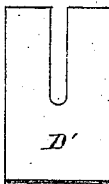


Fig. 1.

Fig. 3.



Witnesses,

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# UNITED STATES PATENT OFFICE.

CAMILLUS M. JOHNSON, OF HARTFORD, CONNECTICUT.

## IMPROVEMENT IN BUTTON-HOLE CUTTERS.

Specification forming part of Letters Patent No. 133,708, dated December 10, 1872.

*To all whom it may concern:*

Be it known that I, CAMILLUS M. JOHNSON, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Button-Hole Cutters; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My invention consists in the adaptation of gages to the frame for the purpose of measuring the distance from the edge of the cloth that the button-hole is to be cut, and also the distance between the button-holes along the edge of the cloth.

In the accompanying drawing, Figure 1 is a front view of my improved button-hole cutter; Fig. 2 is a side view of the same; and Fig. 3 is a detached view of a different form of cutting-tool.

A is the frame. B is a vertical shaft, which carries the cutting-tool. C is a knob or handle at the top to apply a blow or pressure to the cutter. D is the cutting-tool, which is attached to the shaft B by means of the thumb-screw E. F is a spiral spring for raising the shaft B after the button-hole is cut. G is a gage extending back from the frame of the button-hole cutter for the purpose of measuring the distance between the last hole cut and the intended place for the next. H is a graduated edge upon the frame for the purpose of measuring the distance of the button-hole about to be cut from the edge of the cloth. These

gages are, for convenience in use, graduated into inches and fractions.

The operation of my invention is as follows: The thumb-screw E is loosened, and the cutting-edge of the length of button-hole desired to be cut is placed at the bottom parallel to the edge of the frame at H. The screw E is then tightened and the edge of the cutter placed over the desired position. The handle C is then pressed down and the button-hole is cut. To cut the next button-hole the desired distance is measured by placing one of the the graduations of the gage G over the last hole cut and placing the same division of H as before on the edge of the cloth. This gages the exact position of each successive button-hole as it is cut.

In place of the four-sided cutter D I sometimes use a series of cutters of different widths, of the form shown at D', in Fig. 3. These have the advantage of giving a greater number of widths, all applicable to the machine without removing the screw E. By loosening this, merely, a cutter can be slipped under the head and then clamped fast.

What I claim as my invention is—

1. The gage G, in combination with the frame of a button-hole cutter, when constructed and arranged substantially as and for the purpose described.

2. The gage H for measuring from the edge of the cloth to the button-hole, in combination with the frame of a button-hole cutter, substantially as and for the purpose described.

CAMILLUS M. JOHNSON.

Witnesses:

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