

E. M. PINE.
Upholstery Brush.

No. 230,051.

Patented July 13, 1880.

Fig. 1.

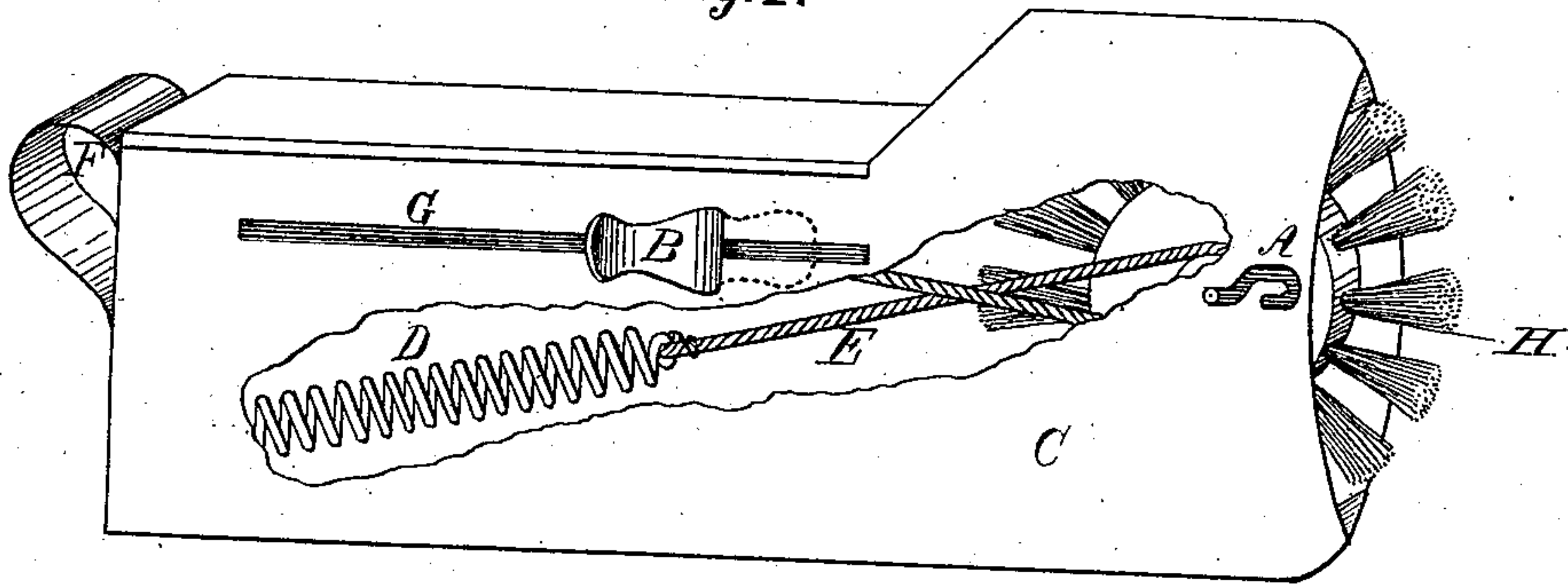


Fig. 2.

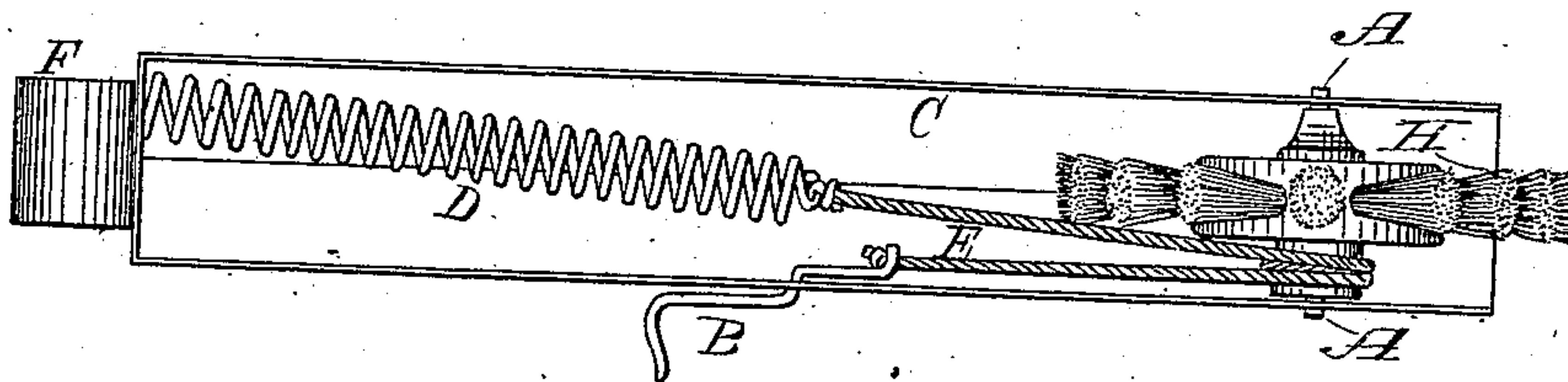
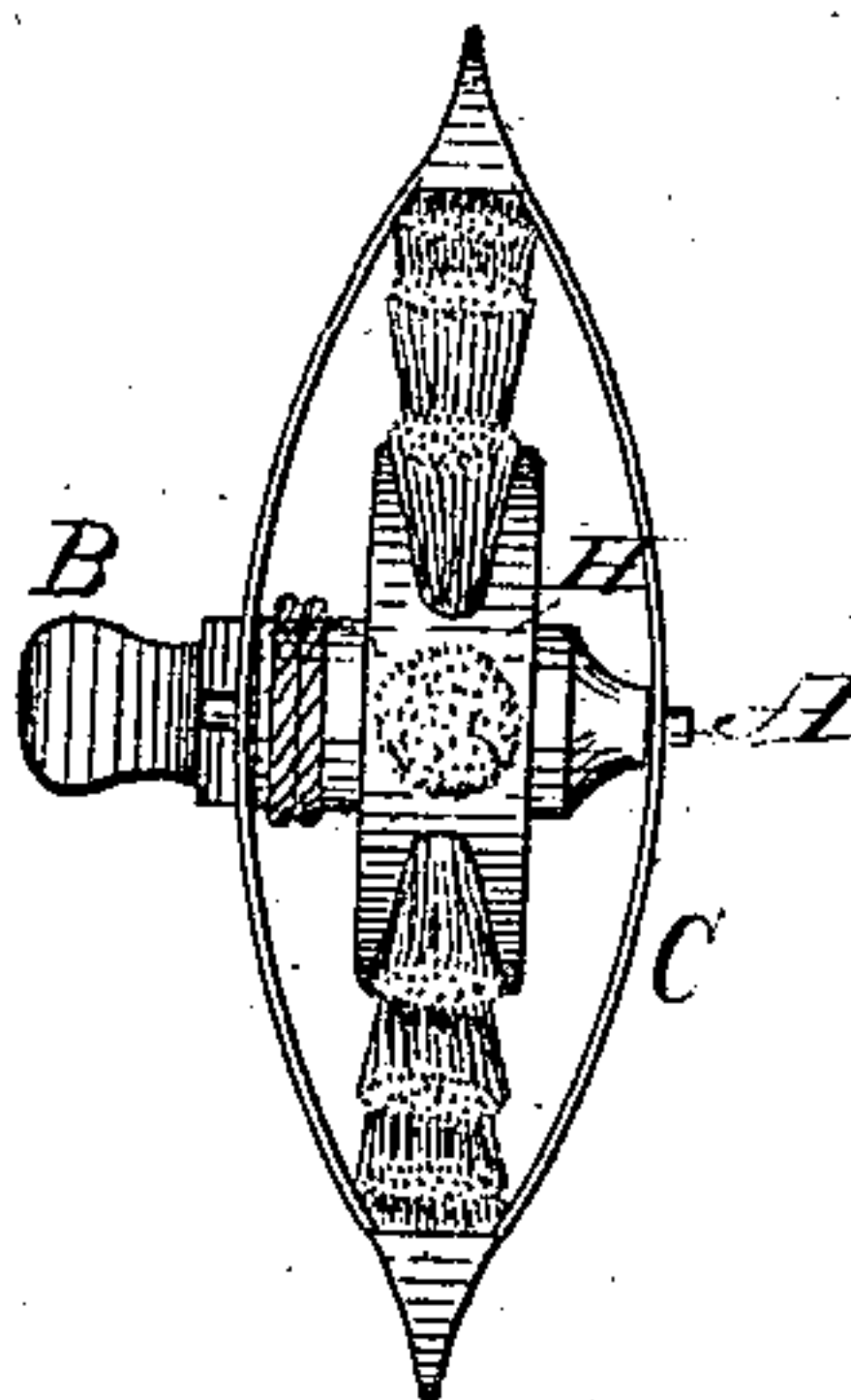


Fig. 3.



Witnesses.

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EDWARD M. PINE, OF CAMDEN, NEW JERSEY.

UPHOLSTERY-BRUSH.

SPECIFICATION forming part of Letters Patent No. 230,051, dated July 13, 1880.

Application filed February 16, 1880.

To all whom it may concern:

Be it known that I, EDWARD M. PINE, a citizen of the United States, residing at Camden, in the county of Camden and State of New Jersey, have invented a new and useful Upholstery-Brush, of which the following is a specification.

My invention relates to the improved machine for cleaning dust from around buttons and in plaits in upholstered furniture.

The object of my invention is to save labor. The machine opens the plaits, cleans out the dust, and catches the dust at the same time. I attain these objects by the mechanism illustrated in accompanying drawings, in which—

Figure 1 is a side elevation of the entire machine with part of the case broken away. Fig. 2 is a top view of the machine as it appears after a section of the case is cut off on the line of the slots A and G. Fig. 3 is an end view of the machine, showing the position of brush-wheel and shape of the case at the mouth of machine.

Similar letters refer to similar parts throughout the several views.

The case of the machine is made of cross-tin.

H is a round wheel-brush and pulley combined with a shaft running through the center, projecting through slot A on each side of the case of machine.

A is a small scroll-slot cut in the case of machine, alike on each side of the case, for shaft of brush H to run in, made in that shape so as to throw the brush H back or forth, according to the depth of plaits. G is a straight slot cut in tin case for finger-knob B to work back and forth in. D is a spiral spring, with one end attached to the back inside end of the tin case.

B is a finger-knob, made in one piece to work back and forth in slot G. E is a small cord-

belt for operating the brush. C is the mouth of machine, showing the shape, being made oblong or double convex so as to open the plaits to allow the brush to work freely. F is a small handle soldered on the back end of the tin case, belt E being wrapped around brush-pulley twice, one end attached to spring D and the other end to knob B. Thus by drawing knob B back in slot G it revolves brush one way, and upon release of the knob the recoil of spring D revolves the brush reversely.

The machine is to be held in the left hand, and the thumb of the right hand to be placed in handle F and the forefinger over knob B. Thus by drawing knob B back toward F it revolves the brush one way, and spring D, drawing knob B back in position, revolves the brush in the other direction.

The flat top part of the case is a slide-lid, to open when cleaning out the machine after using.

I am aware that prior to my invention brush-wheels and spiral springs have been used in other machinery. I therefore only claim them in the combination of machine for cleaning buttons and plaits in upholstered furniture.

I claim—

1. The combination, with a revolving brush, of an open-end case having an oblong or double-convex outline, substantially as specified.

2. The combination, with an open-end case having a double-convex outline, of a revolving brush, H, pivoted in said case, a belt or pulley-cord, E, a recoil-spring, D, and a finger-knob, B, substantially as specified.

EDWARD M. PINE.

Witnesses:

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