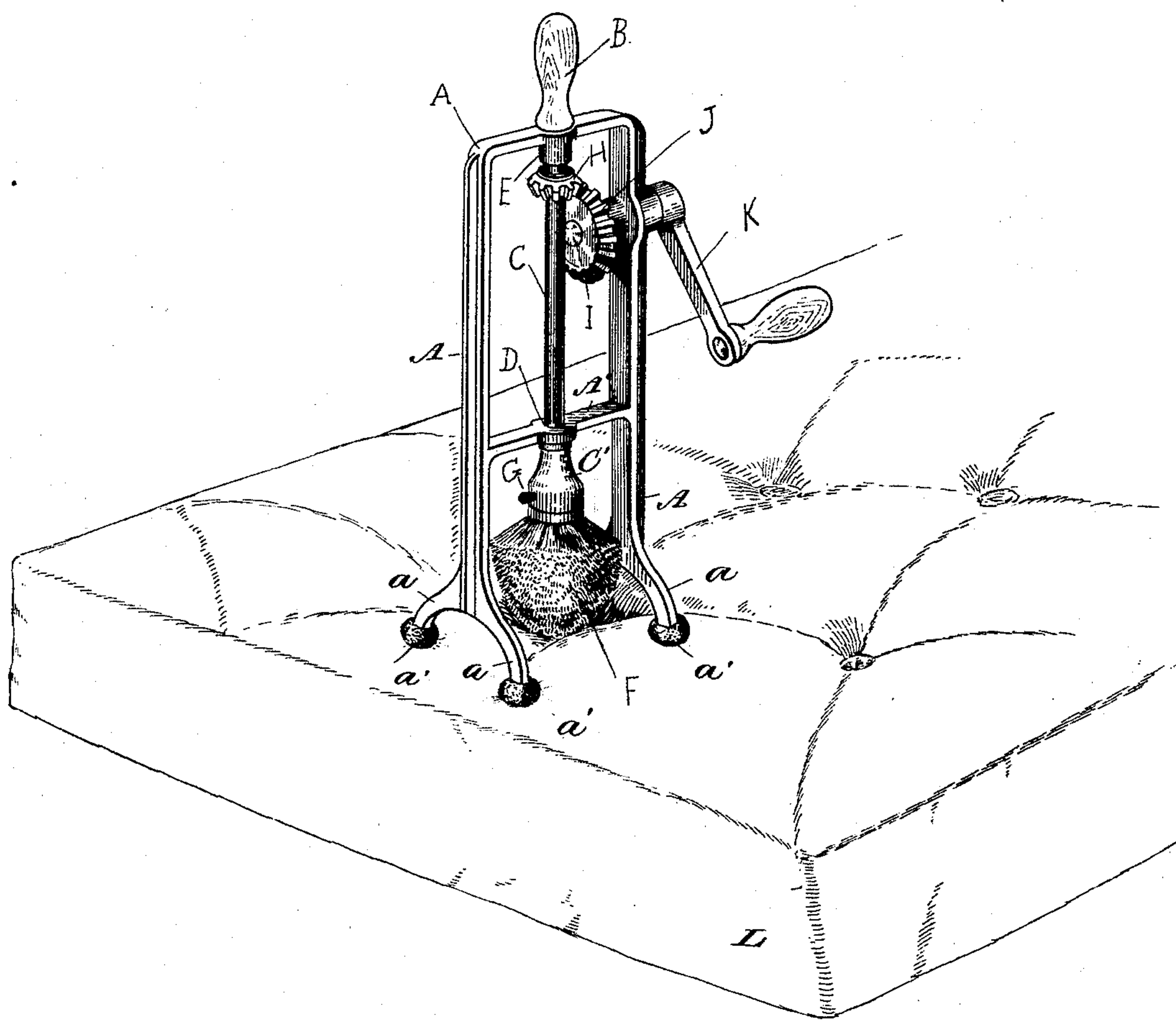


(No Model.)

H. G. ROCKWELL.  
ROTARY BRUSH.

No. 497,989.

Patented May 23, 1893.



WITNESSES:

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By

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# UNITED STATES PATENT OFFICE.

HENRY G. ROCKWELL, OF WASHINGTON, DISTRICT OF COLUMBIA.

## ROTARY BRUSH.

SPECIFICATION forming part of Letters Patent No. 497,989, dated May 23, 1893.

Application filed December 29, 1892. Serial No. 456,632. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY G. ROCKWELL, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Rotary Brushes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in rotary brushes and mechanism for operating the same, and the invention pertains more particularly to that class of brushes designed for use in removing dust and dirt from the depressions around buttons in carriage and furniture upholstery. I provide a support or frame with legs or projections preferably provided with a pad or cushion so as not to injure the upholstery and which, when the device is in use, serve to depress the upholstery around the button or depression so that the brush can better get at the dust and dirt and remove the latter. The support or frame is a single piece or casting, having a support for the brush shaft and for the shaft carrying the operating pinion. It is provided with a handle by which the device is held and upon which pressure may be applied to hold the frame or support against the article to be cleaned and elevate the portions around the button or depression.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, forms a part of this specification and in which is shown a perspective view of my improvement in position for use upon a cushion or other upholstered article.

Referring now to the details of the drawings by letter, A designates the frame or support which in form is substantially that of an inverted U, the lower ends of the uprights

terminating in the legs *a* which are so disposed as to lie upon opposite sides of the brush for a purpose which will soon appear. These legs are preferably provided with pads, cushions or analogous devices *a'* as shown, or they may be covered with chamois skin, to prevent injury to the upholstering. At a point intermediate its ends this frame or support is provided with a cross bar *A'* in which is journaled the lower end of the shaft *C* which carries at its lower end, below the said cross-bar, a head *C'* in which is detachably secured in any suitable manner, as by a set screw *G*, the brush *F* which may be of any suitable shape, size and form of construction, preferably somewhat conical as shown in order to best remove the dust and dirt, but this form is not necessary.

*B* is a handle integral with or fixedly secured to the upper cross bar of the frame or support and depending from this upper cross bar in line with the handle is a boss or socket *E* in which the upper end of the shaft *C* is journaled. This shaft carries the bevel pinion *H* which meshes with a bevel pinion *I* on the horizontal shaft *J* suitably journaled in one of the uprights of the frame or support at right angles to the shaft *C* and provided with a suitable handle *K* by which motion may be given to the shaft *J* and its pinion.

The operation will be readily understood from the foregoing description when taken in connection with the appended drawings, and a further detailed description thereof is not deemed necessary. It may be well however to state that in use the frame is placed against the cushion or other article *L* to be cleaned with the feet around the button or depression and then pressure of one hand applied by the handle *B*. This pressure will cause the material of the cushion about the button or depression to be depressed so that the brush can more readily get at it, and then the brush is rotated or revolved by turning the crank handle *K* which gives motion to the shaft through the medium of the bevel pinions and shafts above described. A few turns of the crank handle will suffice to remove all the dirt and dust from around the button or depression.

The device is simple, can be manufactured

at a minimum cost, is easily operated, durable and efficient and not liable to get out of order.

5 Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as new is—

10 The herein described rotary brush, consisting of the vertical rectangular frame with feet at one end and a handle at the other, a shaft journaled in bearings in the frame and arranged lengthwise thereof, and carrying at its

lower end a conical brush, a pinion on said shaft, a shaft at right angles to the length of the frame and provided with a crank handle, 15 and a pinion on said shaft meshing with the other pinion, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY G. ROCKWELL.

Witnesses:

C. S. DRURY,  
E. H. BOND.