

(No Model.)

H. MUNDELL.
HAIR PICKER.

No. 390,694.

Patented Oct. 9, 1888.

Fig. 1.

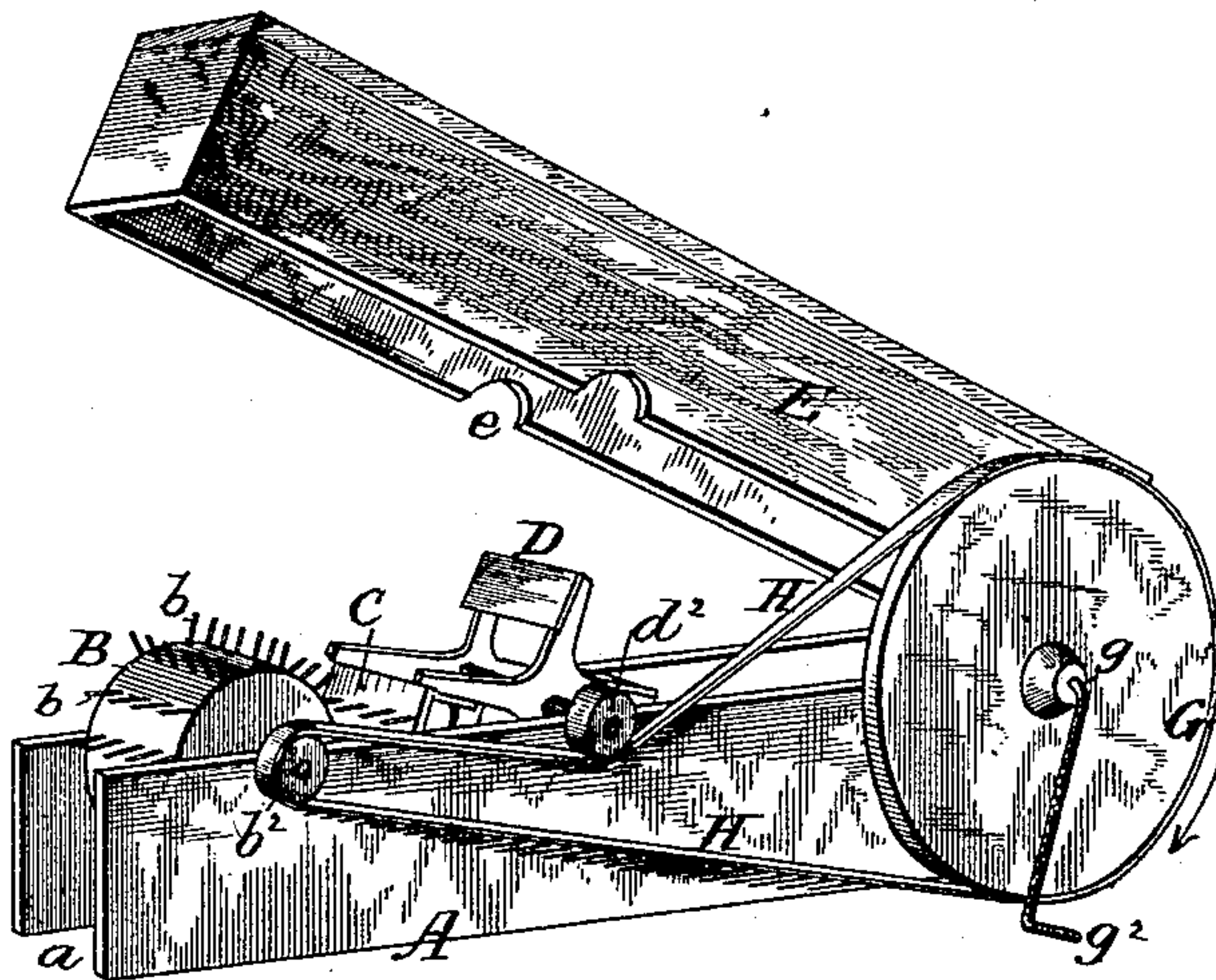
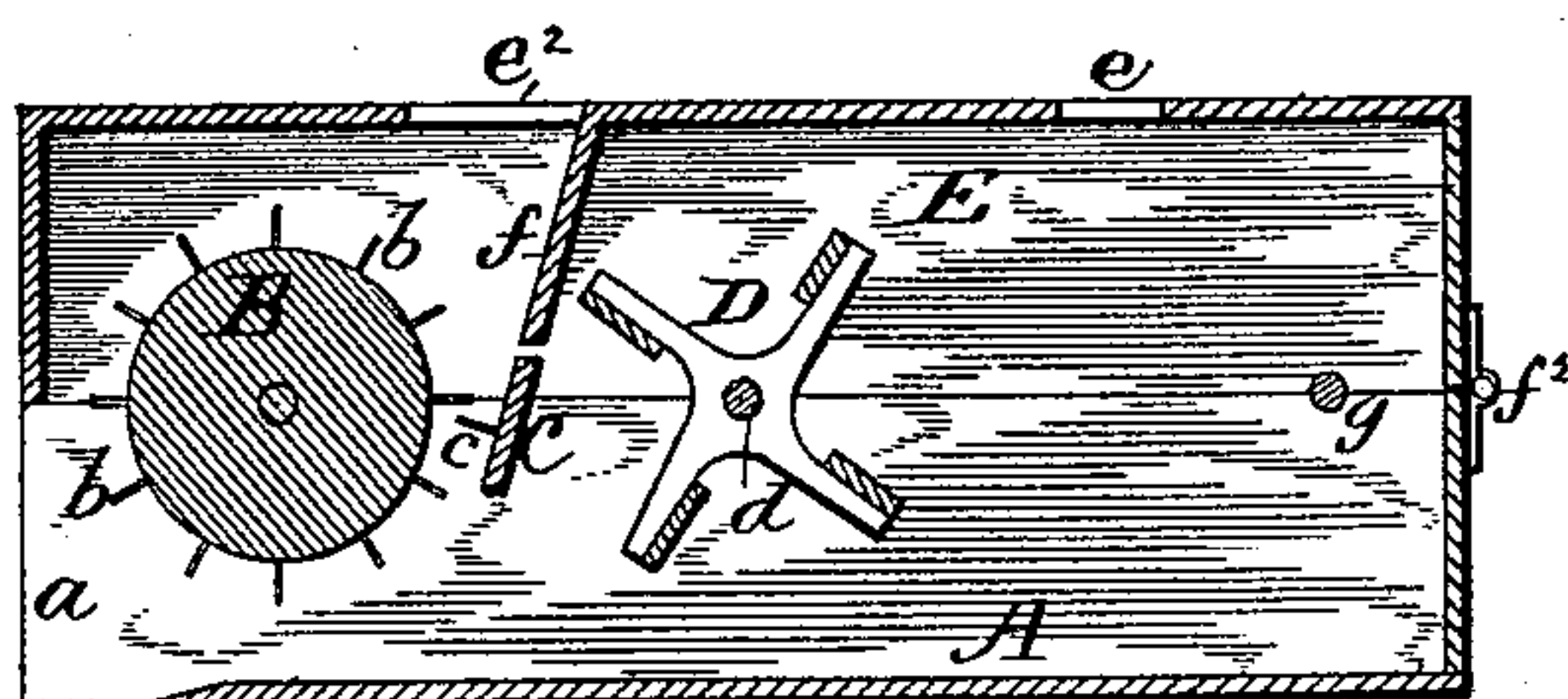


Fig. 2.



Witnesses:

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Inventor:

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att'y.

UNITED STATES PATENT OFFICE.

HARRIS MUNDELL, OF ROYALTON, MINNESOTA, ASSIGNOR OF ONE-HALF
TO ROBERT BROWN, OF SAME PLACE.

HAIR-PICKER.

SPECIFICATION forming part of Letters Patent No. 390,694, dated October 9, 1888.

Application filed March 13, 1888. Serial No. 267,102. (No model.)

To all whom it may concern:

Be it known that I, HARRIS MUNDELL, a citizen of the United States, residing at Royalton, in the county of Morrison, State of Minnesota, have invented certain new and useful Improvements in Hair-Pickers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to machines for picking, shaking up, and cleaning hair to be used for plastering, upholstering, &c., and also hair that has been used in stuffing horse-collars, saddles, &c., and render it as good as new hair for the same purpose; and the objects of my improvement are to produce a simple and inexpensive machine to pick bunched or other hair and remove the dust therefrom. I accomplish these objects by the machine illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a partly-opened machine constructed in accordance with my invention. Fig. 2 is a longitudinal vertical section of the same.

In said drawings, A represents a rectangular trough-shaped box having one end open at *a* for the escape of the material acted upon. Adjacent to that end there is mounted transversely across said box a cylinder, B, preferably of wood, having projecting from its surface rows of spikes *b*, or teeth, to engage with the hair fed into the machine. This cylinder has its shaft mounted in suitable bearings in the edge of the box, and upon one end of said shaft a small pulley, *b*², is secured to revolve it rapidly. Adjacent to the path traveled by the spikes *b* there is secured transversely across the box A a flat board or card body, C, having spikes or teeth *c*, that extend alongside of the paths traveled by the spikes *b* of the cylinder, so that they will together untangle and open the hair passing between them.

In the rear of the card-body a fan-blower, D, is mounted upon a shaft retained transversely across the box in suitable bearings secured thereto, and upon one end of said shaft

is secured a small pulley, *d*², to revolve it rapidly. The air required for the fan can enter the box A either through eyes *e* in the sides or in the top of the cover E of the box. Said cover has also an opening, *e*², in the top thereof, substantially over the cylinder B, through which the hair is introduced into the machine, and to direct said hair into the passage between the flat card-body C and said cylinder there is pendent from the under side of the cover, in line with the rear edge of the opening *e*², a guide-board, *f*, that extends across the cavity of said cover and has its bottom edge directly in line with the upper edge of the card-body C. Said cover is hinged at *f*² to one end of the box A to facilitate access to the interior.

To give a rapid motion to the picking-cylinder and fan, there is mounted transversely of the box A, adjacent to the rear end thereof, a shaft, *g*, upon which is mounted a large pulley, G, and projecting from said pulley or its shaft there is a handle, *g*², by which it can be revolved. Upon the pulley G is placed a belt, H, that passes also around the pulley *b*² of the picking-cylinder and in contact (or if a round belt is used it may be around) with the pulley *d*² of the fan. The hair operated upon is thus well opened by the spikes of the cylinder and card-body and winnowed or its dust removed by the current of air forced by the fan of the machine, and, issuing from the orifice *a*, falls in a loose heap on the floor in front of that end of the machine. It can thus be used for harness-work, such as stuffing collars, saddles, upholstering, plasterers' work, &c., and for other purposes for which hair is used.

Having now fully described my invention, I claim—

1. The combination of a box having a discharge-opening at the front end and a hinged cover, and within said box a spiked solid cylinder, a flat card-body provided with spikes, and a fan-blower in the rear of said spiked card-body, with means to revolve said cylinder and fan, substantially as described.

2. The combination of a trough-shaped box

having a discharge-opening at one end, and
within said box a spiked cylinder, a spiked
card-body, and a fan-blower in the rear of
said card-body, and means to revolve said
5 cylinder and fan, with a cover having an
opening in the top over the spiked cylinder,
and a guide-board adjacent to said opening
and over the upper edge of the spiked card-

body, substantially as and for the purpose de-
scribed. 10

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

HARRIS MUNDELL.

Witnesses:

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ANDREW C. ROBERTSON.