

# H. W. Axford. Picker.

Nº 93,946.

Patented Aug. 24, 1869.

Fig. 1.

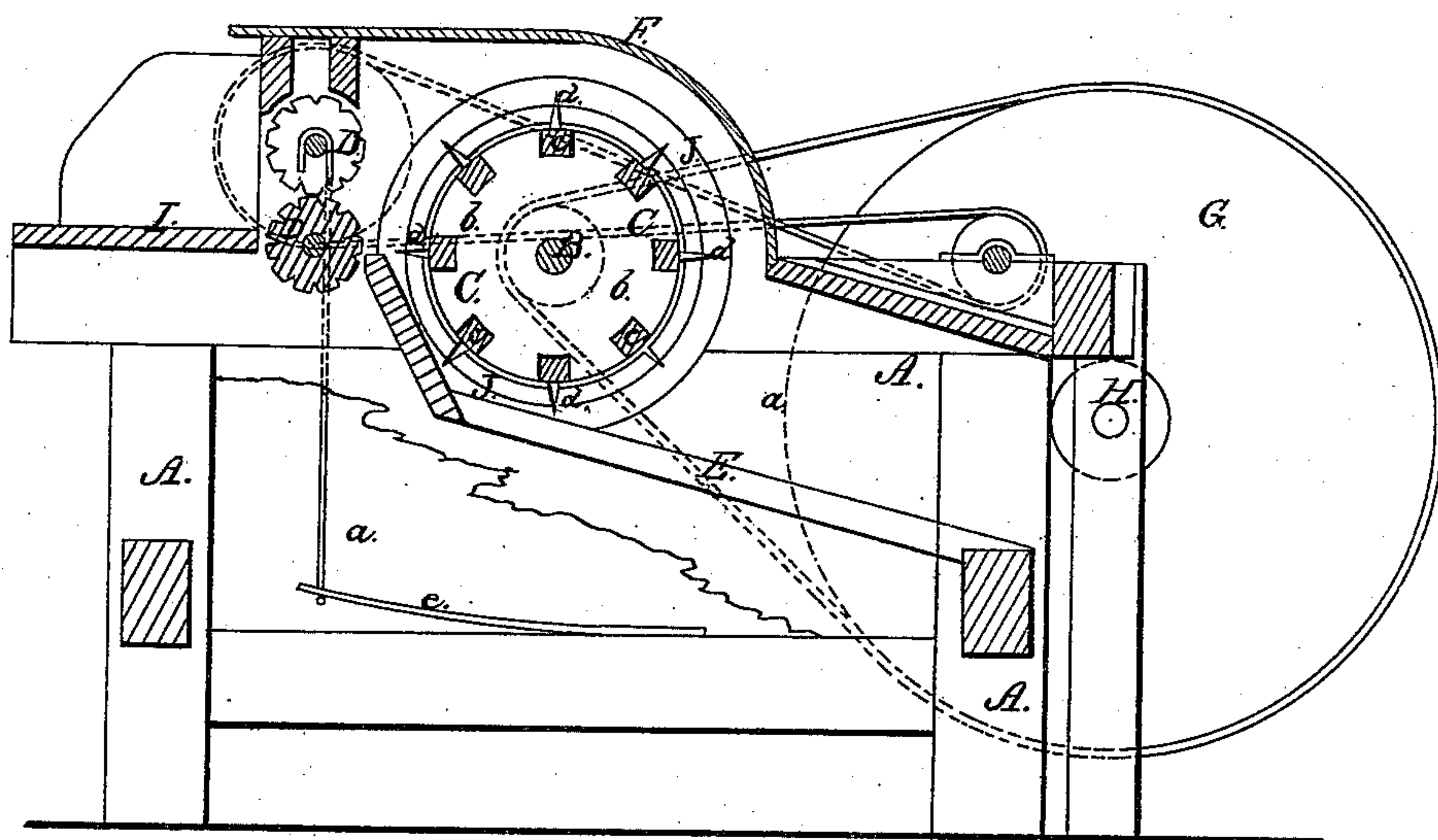
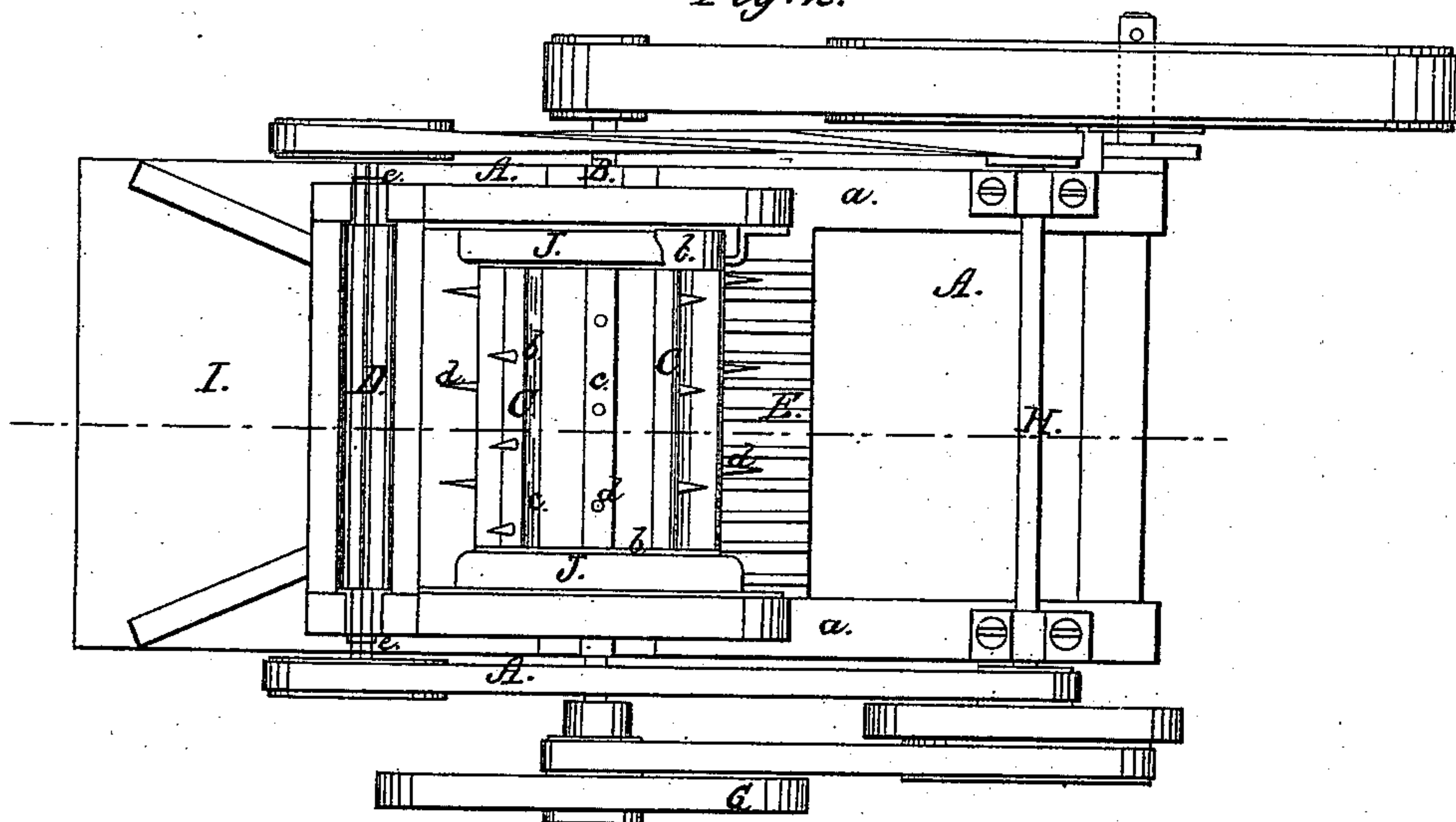


Fig. 2.



Witnesses,  
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# United States Patent Office.

HARRIS W. AXFORD, OF RICHMOND, INDIANA.

Letters Patent No. 93,946, dated August 24, 1869.

## IMPROVEMENT IN PICKER FOR WOOL, &c.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HARRIS W. AXFORD, of Richmond, in the county of Wayne, and State of Indiana, have invented a new and improved Upholsterers' Picker; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a vertical longitudinal section of my improved upholsterer's picker.

Figure 2 is a plan or top view, partly in section, of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to upholster-pickers; and

The improvement consists in the general arrangement of parts, whereby a more effective and simple machine is provided than those heretofore known.

A, in the drawing, represents the frame of my improved upholsterers' picker.

This frame consists chiefly of two side-walls *a a*, which are connected by suitable cross-bars, and in which the bearings of the shaft, pertaining to this machine, are arranged.

B is a horizontal shaft, which has its bearings in the frame A, and which carries, between the walls *a*, the picker-cylinder C.

This cylinder C is composed of two heads *b b*, which are connected by a series of slats, *c c*, which may be some distance apart from each other, as shown in fig. 1.

From the outer side of each slat, projects outward a series of pointed pins or teeth, *d*.

In front of the cylinder are, in the frame A, the bearings of the feed-rollers D D, of which the upper one is up-and-down adjustable, it being drawn down upon the lower one by means of springs *e e*, shown in fig. 1.

Below the cylinder C is a perforated inclined bottom, E, on which the picked hair or moss can fall, while the dust and impurities will pass through it.

A hood, F, is placed over the cylinder, to prevent any parts of the material from being thrown off by the cylinder.

Motion is imparted to the rollers D D and C, by hand or other power, and is transmitted from the driving-shaft by belts, cogs, or otherwise.

A fly-wheel, G, may be mounted on one of the shafts H, or on the shaft B, for regulating the motion.

The moss or hair to be picked is placed upon a platform, I, in front of the feed-rollers, and is, by the feed-rollers, carried to the picker, which separates the hair, and unravels and cleans it ready to be used again.

The picked hair or moss is carried along on the platform E, and delivered out of the machine in good order.

For the purpose of preventing any hair or moss from being caught between the ends of the cylinder C and the frame, I have placed annular guards J J against the inner sides of the walls *a*, and bent them around the edges of the cylinder-heads, for the purpose of closing the crevices between the heads and walls.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The improved upholsterers' picker, consisting of the frame A *a a*, toothed cylinder C, guard-plates J, feed-rollers D D, spring-attachment *e*, inclined bottom E, hood F, fly-wheel G, shafts H and B, and the driving-pulleys, all arranged and operating together, as herein shown and described.

HARRIS W. AXFORD.

Witnesses:

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