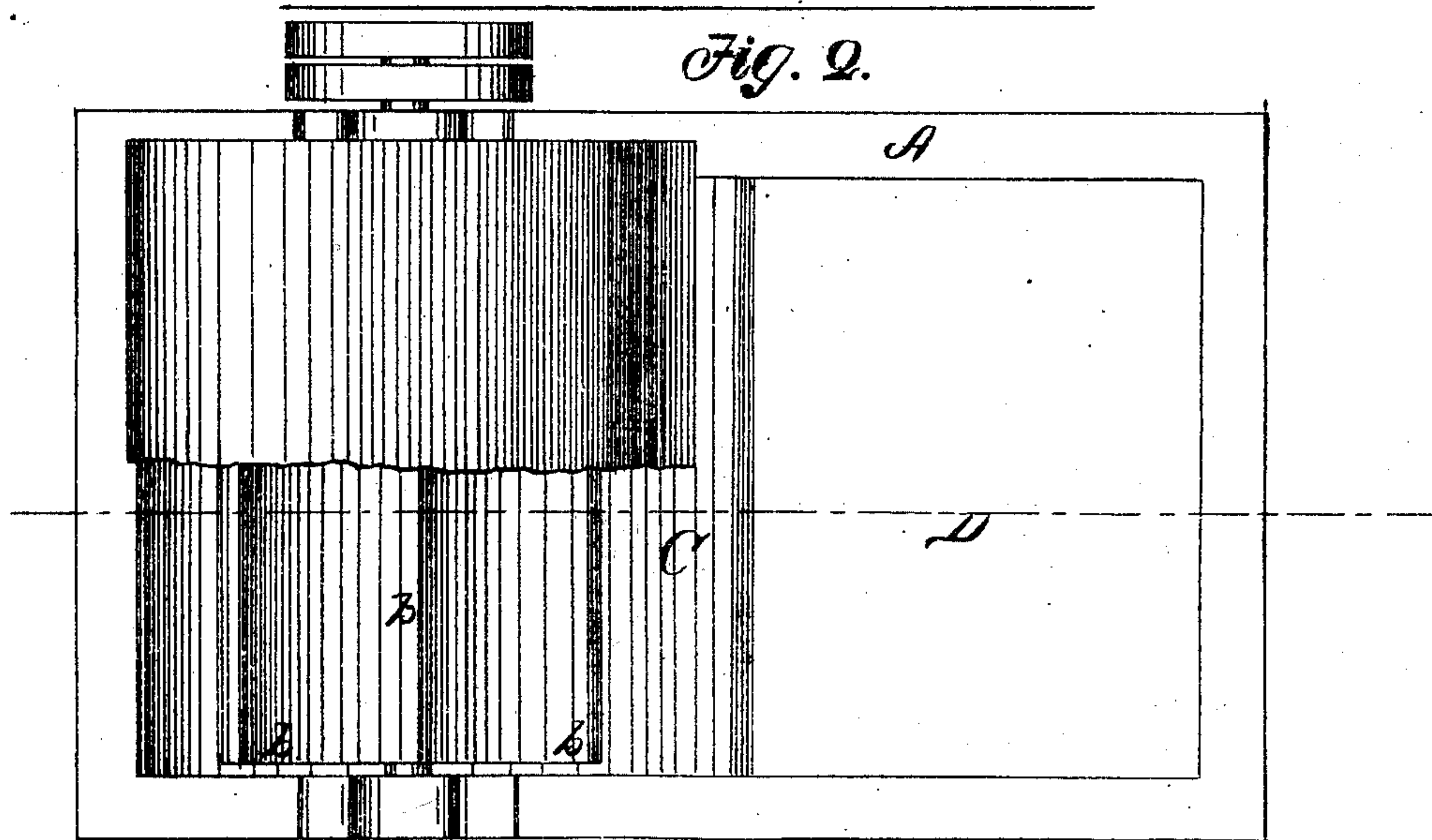
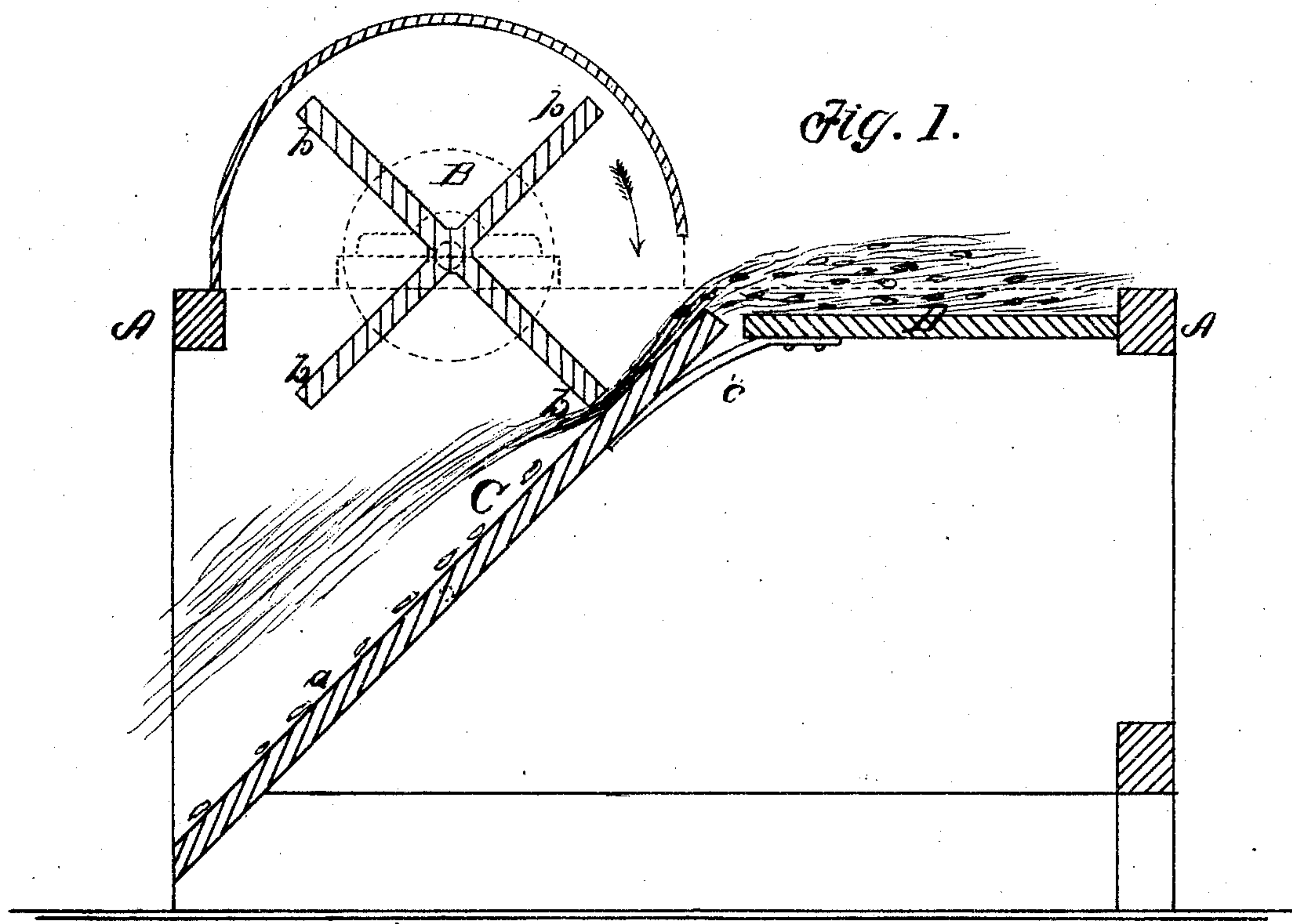


F Walpert.

Removing Burrs from Hair.

N^o 76122

Patented Mar. 31, 1868.



Witnesses:
Chas. Ensch
Wm. Brown

Inventor:
F. Walpert
Per Munnell
Attorney

United States Patent Office.

F. WALPERT, OF BALTIMORE, MARYLAND.

Letters Patent No. 76,122, dated March 31, 1868.

IMPROVEMENT IN MACHINE FOR REMOVING BURRS FROM HAIR.

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, F. WALPERT, of Baltimore, in the county of Baltimore, and State of Maryland, have invented a new and useful Improvement in Machines for Cleaning Burrs from Hair; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying plate of drawings, forming part of this specification.

Figure 1 represents a longitudinal vertical section of my improved machine for cleaning burrs from hair, &c.
Figure 2 is a top view.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved machine for cleaning burrs from the hair of the tails of horses and other animals, and consists in a rotary fan-beater working upon the material as it passes over a spring-board or bottom, in order to crush the burrs, and loosen them from the hair, as hereinafter fully described.

In a common box-frame, A, is mounted a rotary fan, B, placed at one end, under which is placed a spring-board, C, hung on pivots at *a*, near its lower end, and placed at an angle of about forty-five degrees, with its upper surface quite near the ends of the arms or beaters *b b* of the fan when they pass. The board C is supported at the upper end by springs, *c c*, on each side, which are fastened to the under side of the feed-bed D.

The machine operates by feeding the hair from the bed D, in as thin layers as is practicable, over the top of the spring-board B, when, by the rotation of the fan, the ends of the beaters strike and crush the mass of hair and burrs against the board B, crushing the burrs, so that they easily separate from the hair. The board B is provided with springs, which give way to adapt the passage of the hair to the bulk, and prevent breakage and loss of hair.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The combination of the frame A, having feed-board D, the spring *c*, pivoted board C, and rotating covered beater B, all constructed, arranged, and operating as and for the purpose described.

The above specification of my invention signed by me, this twenty-eighth day of September, 1867.

F. WALPERT.

Witnesses:

LOUIS F. LANNAY,
JAMES WEBB.