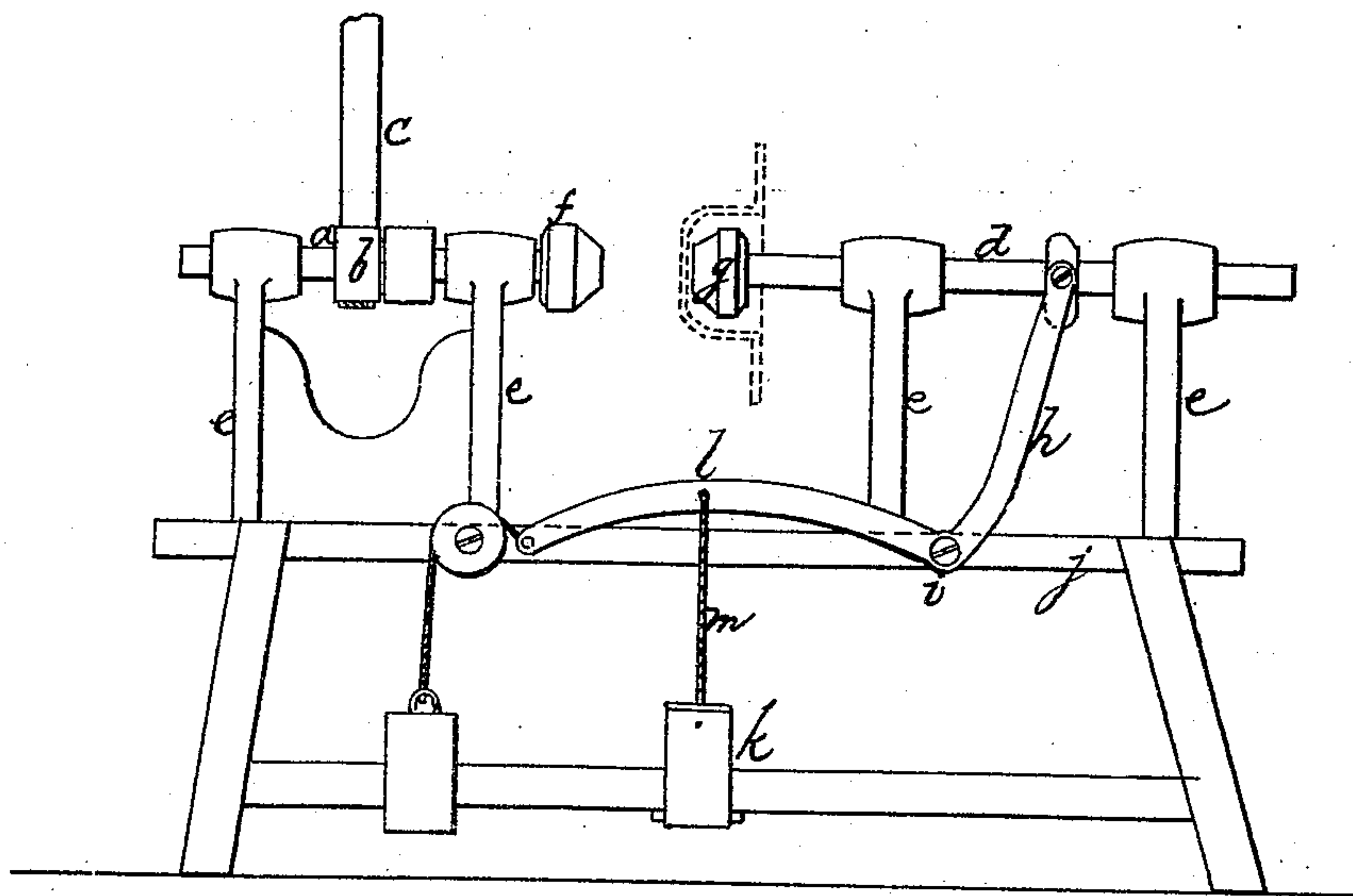


J. D. Parson.
Brushing & Finishing Hats.
Nº 92,877. Patented Jul. 20, 1869.



Witnesses,
Chas. Nida
John F. Brooks

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United States Patent Office.

JOHN D. PARSONS, OF YONKERS, NEW YORK.

Letters Patent No. 92,877, dated July 20, 1869.

IMPROVEMENT IN HAT-BRUSHING MACHINE.

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, JOHN D. PARSONS, of Yonkers, in the county of Westchester, and State of New York, have invented a new and useful Improvement in Hat-Machines; 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.

This invention relates to an improved machine for brushing the brims of hats, for the purpose of clearing or purifying them of dirt and stiffening-material which are left upon the surface of, or are contained in the brim of the hat after the same has been "pounced."

The invention consists in the arrangement of devices for performing the process of what is known as "brushing the brim," while the hat is revolving in any suitably-constructed machine, as I will proceed to describe.

The accompanying drawing represents a machine for that purpose, which consists of a revolving mandrel, *a*, upon which is the pulley *b*, for the belt *c*, by means of which it is revolved.

d is a shaft, which has only a longitudinal motion.

These shafts or mandrels *a* and *d* are supported by the stands *e*, on any suitable bench or table.

f is a head or cap, on the end of the mandrel *a*, and

g is a head or cap, which revolves on the end of the shaft of mandrel *d*.

The shaft *d* is given a longitudinal motion by means of the bent lever *h*, whose fulcrum is at *i*, on the bench *j*.

k is a treadle, attached to the lever at *l*, by the cord *m*.

By bearing on the treadle, on the lower end *n*, the lever will be depressed, while the other end, *o*, being attached to the shaft *d*, will throw that shaft longitudinally towards the head *f*.

The hat is seen in red color, and is placed on one of the heads, as seen in the drawing.

Now, by bearing with the foot on the treadle, the shaft *d* will be thrown forward, and the crown of the hat will be confined between the two heads, and revolving with any desired velocity.

The hat is held between the heads while revolving sufficiently fast to allow the brushes to be applied to both sides of the brim, while the dust and other impurities or substances which are loosened by the brushes are thrown off clear from the hat by centrifugal force; thus not only performing this work much more perfectly, but much more expeditiously than has ever been done before.

Having thus described my invention,

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

The described arrangement upon the frame, and with relation to each other, of the revolving mandrel and cap *a f*, and the sliding shaft *d*, carrying the revolving cap *g*, all operating as set forth, to hold and revolve a hat in such a manner as to leave both sides of its brim exposed above the frame and operating-mechanism for brushing and cleansing, as herein described and shown.

The above specification of my invention signed by me, this 8th day of February, 1869.

JOHN D. PARSONS.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.