

No. 754,540.

PATENTED MAR. 15, 1904.

C. P. CAREY.
CARPET BEATING MACHINE.
APPLICATION FILED NOV. 5, 1903.

NO MODEL.

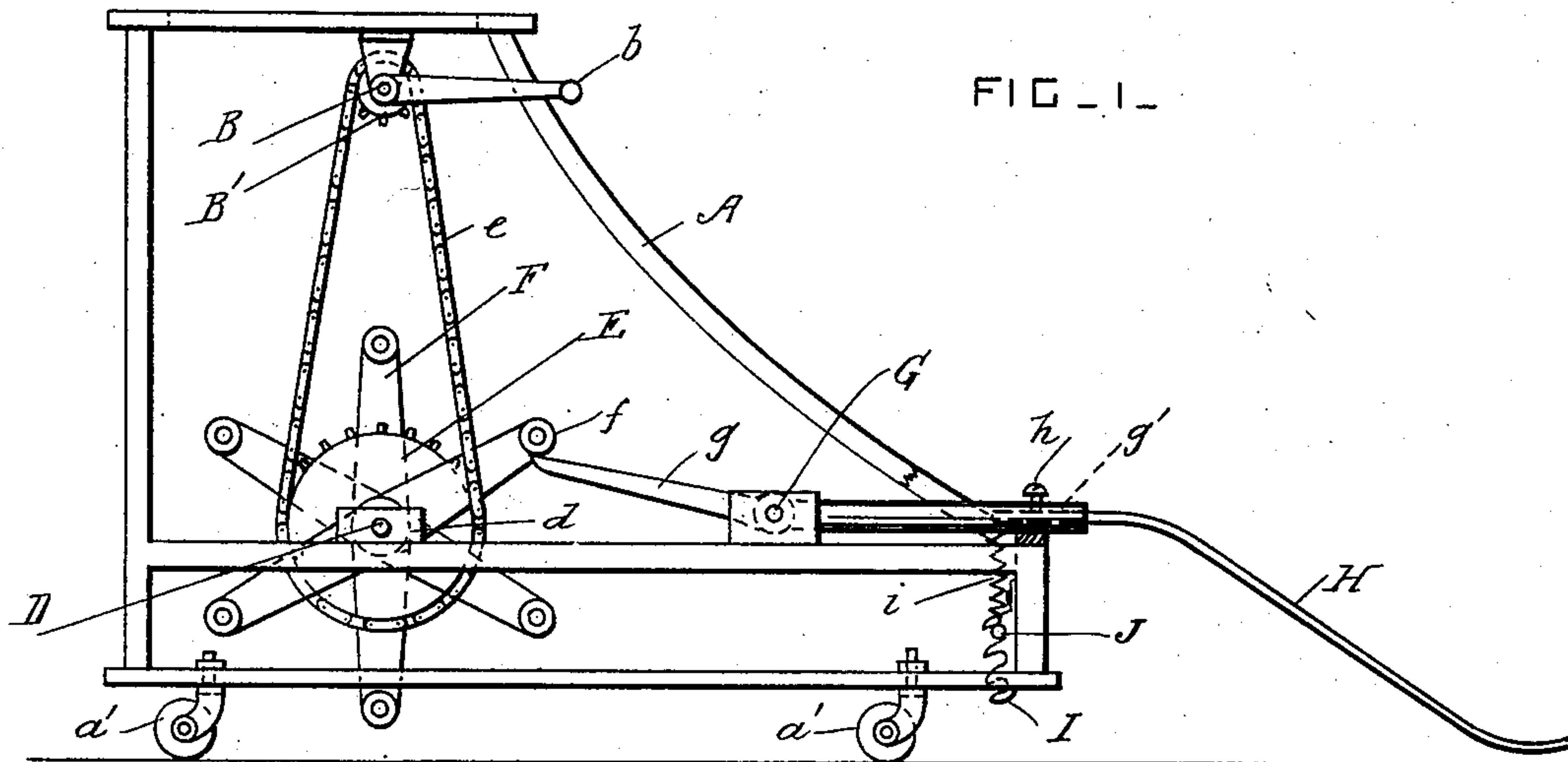
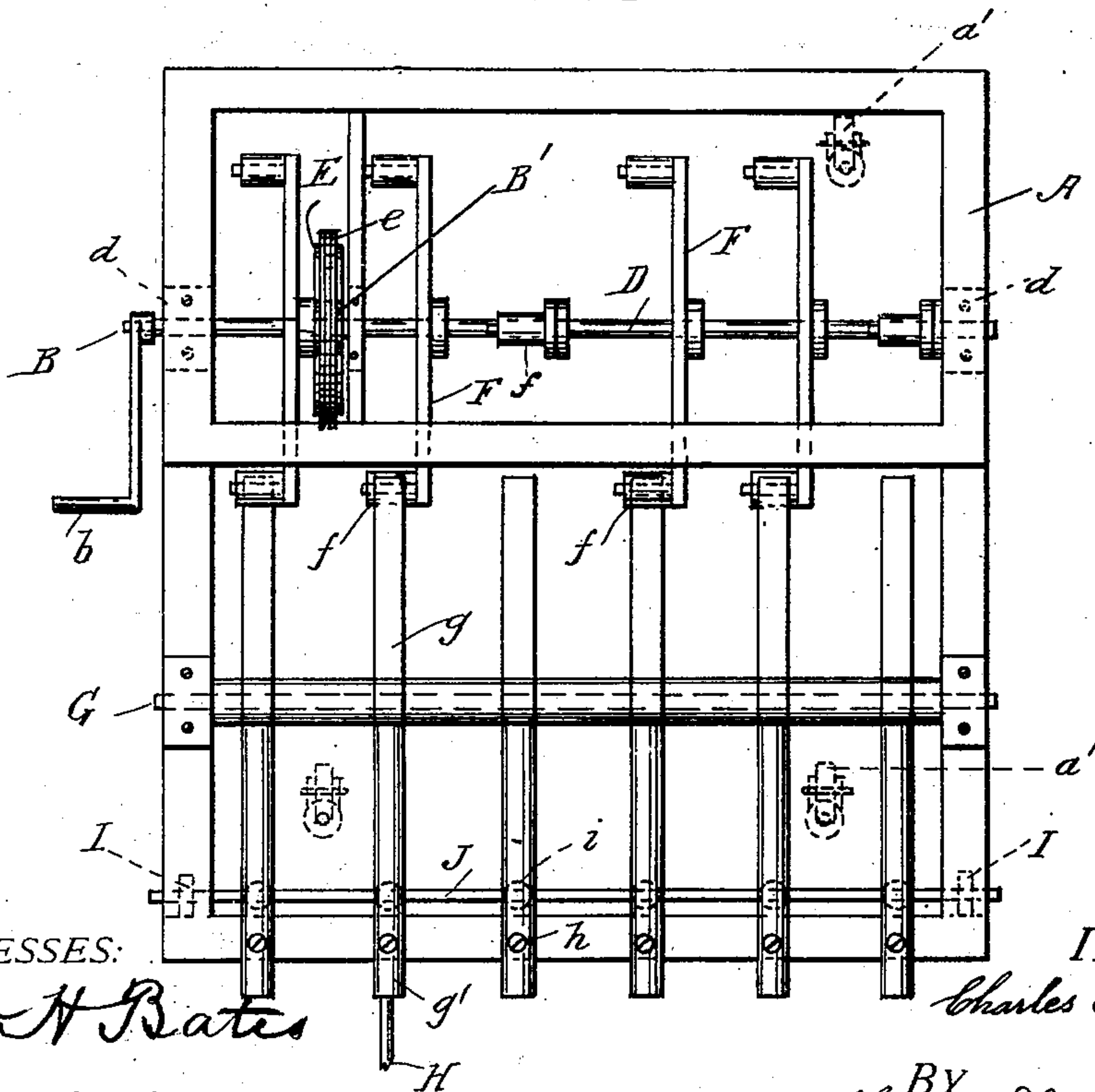


FIG. 2.



WITNESSES:

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CHARLES P. CAREY, OF WOLLASTON, MASSACHUSETTS.

CARPET-BEATING MACHINE.

SPECIFICATION forming part of Letters Patent No. 754,540, dated March 15, 1904.

Application filed November 5, 1903. Serial No. 179,945. (No model.)

To all whom it may concern:

Be it known that I, CHARLES P. CAREY, a citizen of the United States, residing at Wollaston, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Carpet-Beating Machines; and I do hereby 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.

This invention relates to machines for beating the dust out of carpets and rugs; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the machine, and Fig. 2 is a plan view of the machine.

A is a supporting-frame mounted upon four casters *a'*, so that it can be pushed about freely in every direction.

B is the driving-shaft, which is journaled in the upper part of the frame A and provided with a crank-handle *b* at a convenient height above the ground.

B' is a sprocket driving-wheel which is secured upon the shaft B.

D is the tappet-shaft, which is journaled in bearings *d* on the frame below the shaft B. A large sprocket-wheel E is secured upon the shaft D, and *e* is a drive-chain which passes over the wheels B' and E.

F represents tappets secured upon the shaft D in a series. Each tappet consists of two arms which project in opposite directions, and each arm is provided with a roller *f* at its free end. The tappet-arms are set at different angles around the shaft and at equal distances apart.

G is a pivot-shaft which is secured to the frame A, and *g* are levers pivoted on the said shaft in a series, each lever being independent of the others. Each tappet operates upon one arm of the lever to which it pertains, and the said lever is provided at its other end or arm with a socket *g'*.

H represents flexible and elastic beaters which are secured in the sockets *g'* by screws *h*, so that they can be renewed as often as necessary.

I represents toothed racks secured to the frame A, and J is an anchor-bar which engages the teeth of the said racks and extends crosswise of the machine under the front arms of the said bell-crank levers. Springs *i* are arranged between the said anchor-bar and the front arms of the levers. The tension of these springs can be varied by placing the anchor-bar in engagement with different teeth of the said racks, according to the force of the blows desired to be given.

The carpet or rug to be beaten is spread upon a level surface and the machine is moved back and forth over it, the driving-shaft being revolved at the same time. The beaters beat all the dust and dirt out of the carpet or rug, and the cleaning of the carpet or rug is effected quicker than when it is beaten by hand, and the material is not injured because of the uniformity of the blows delivered by the beaters.

What I claim is—

1. In a carpet-beating machine, the combination, with a frame, and a series of levers pivoted in the frame and normally resting on its front edge, of flexible and elastic beaters secured to the projecting front ends of the said levers, a series of tappets provided with rollers which depress the opposite ends of the said levers, and driving mechanism for revolving the said tappets.

2. In a carpet-beating machine, the combination, with a frame, and toothed racks secured to the said frame at the sides of its front end portion; of a series of levers pivoted in the frame and normally resting on its front edge, flexible and elastic beaters secured to the projecting front ends of the said levers, an adjustable anchor-bar engaging with the said toothed racks and extending crosswise under the said levers, springs between the said anchor-bar and the said levers, and tappet mechanism for operating the said levers.

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

CHARLES P. CAREY.

Witnesses:

ALICE J. MURRAY,
FRED. K. DAGGETT.