

(No Model.)

C. T. STORY.
CARPET BEATING MACHINE.

No. 406,485.

Patented July 9, 1889.

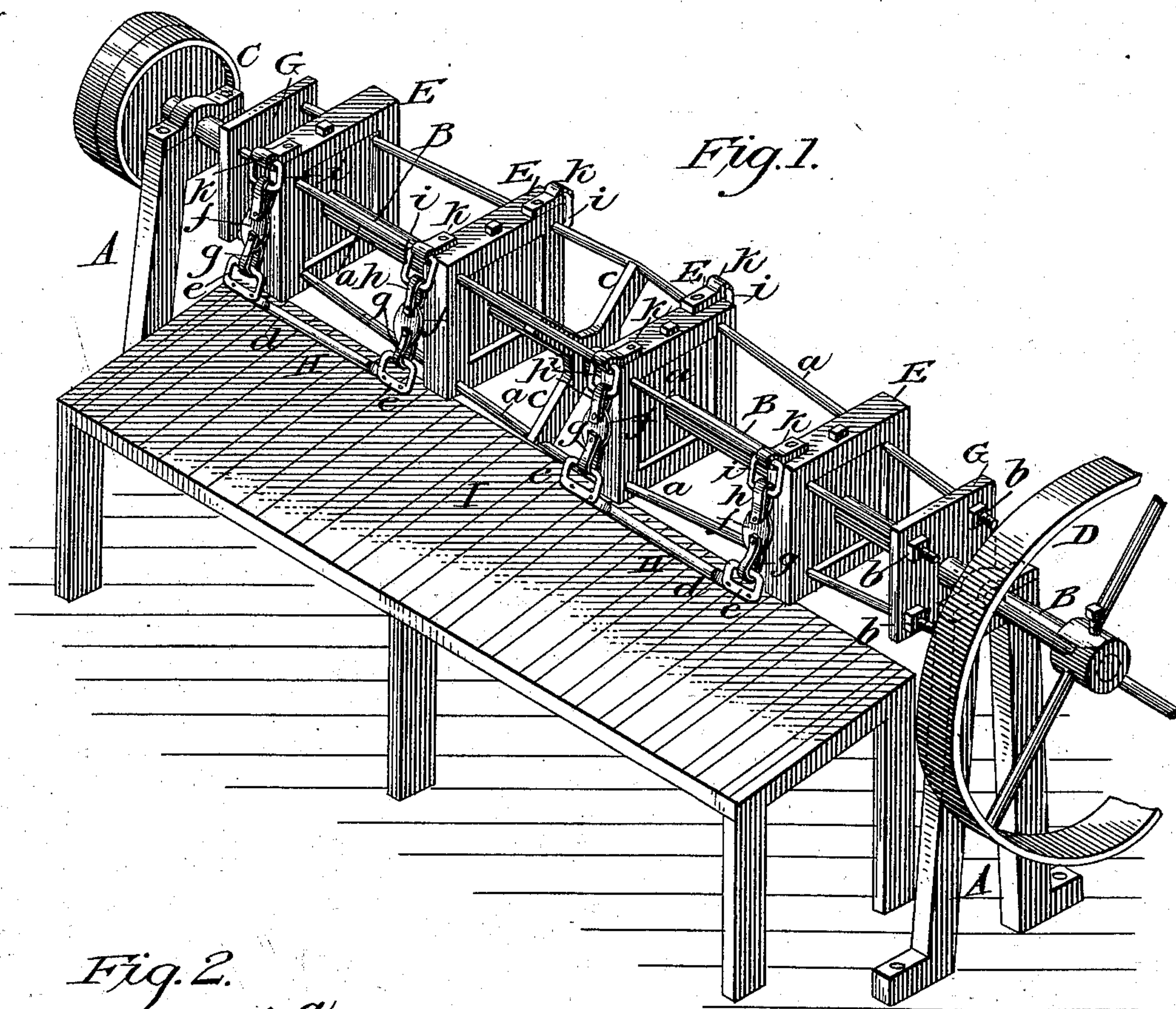


Fig. 2.

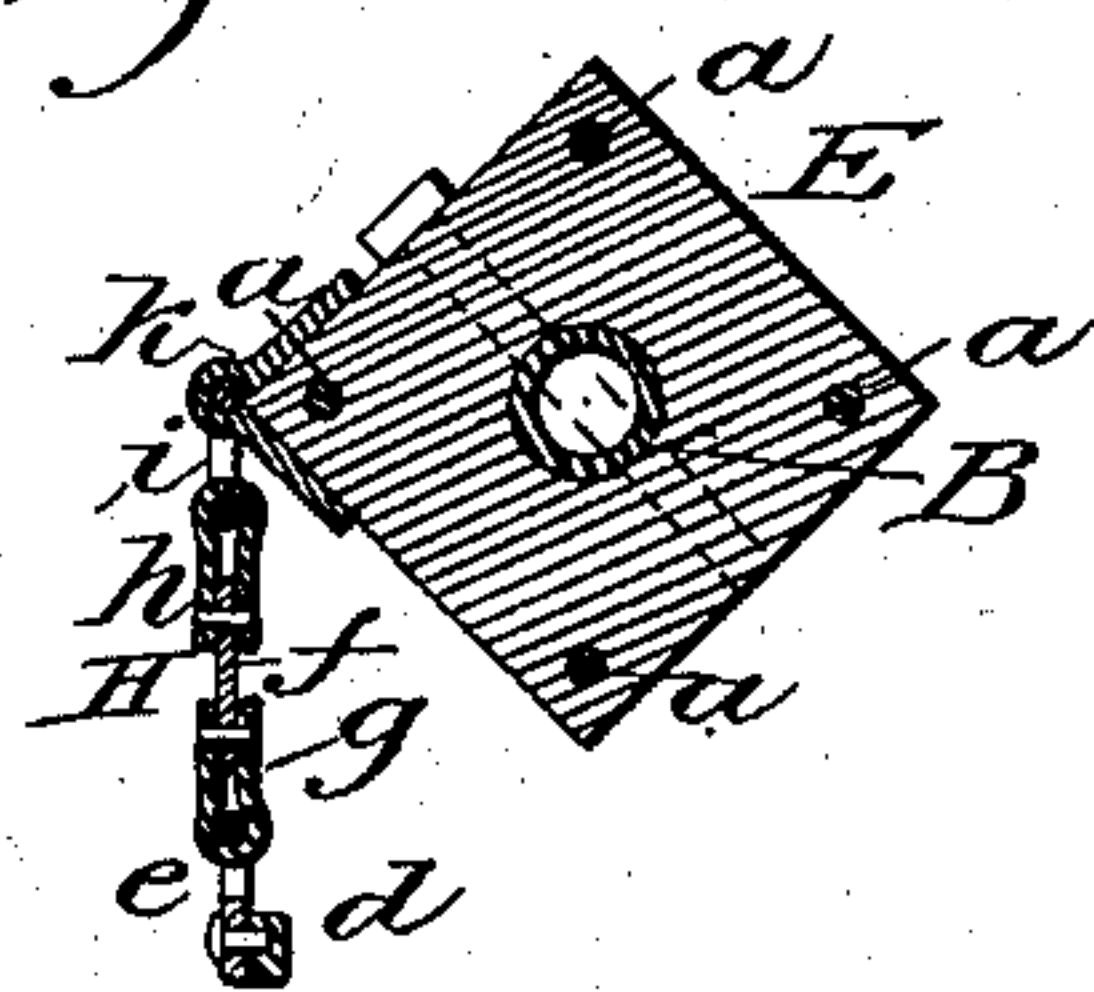
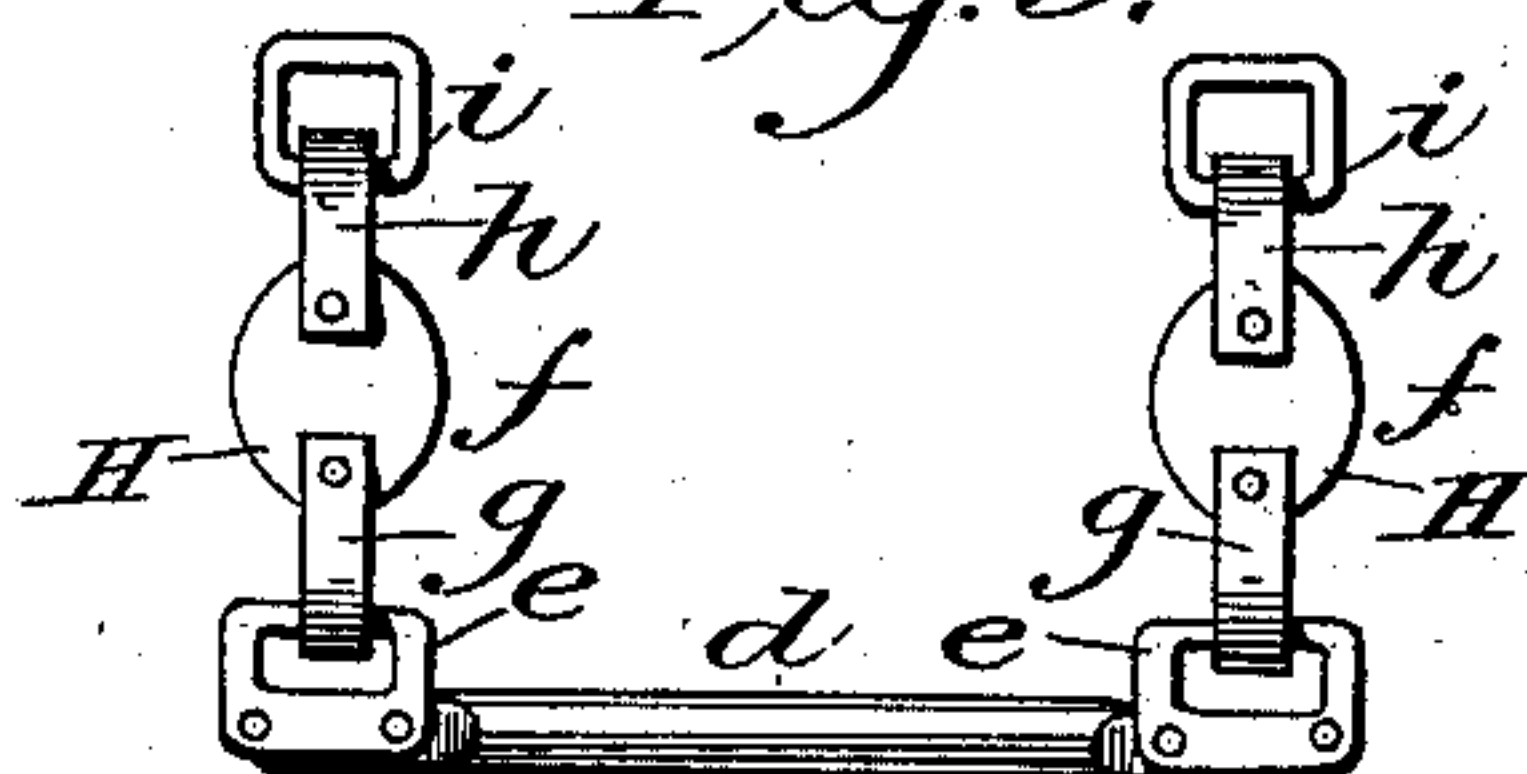


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES T. STORY, OF BOSTON, MASSACHUSETTS.

CARPET-BEATING MACHINE.

SPECIFICATION forming part of Letters Patent No. 406,485, dated July 9, 1889.

Application filed August 6, 1888. Serial No. 282,101. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. STORY, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Carpet-Beating Machines, of which the following, taken in connection with the accompanying drawings, is a specification.

Figure 1 is a perspective view of a carpet-beating machine with my improvements applied thereto. Fig. 2 is a transverse section through the shaft carrying the beaters. Fig. 3 is an elevation of one of the beaters.

My invention has for its object to provide a simple, cheap, and durable machine for beating carpets, which can be run with a small expenditure of power, and which will not tear or otherwise injure the carpet; and it consists in a novel combination and arrangement of parts, as will be hereinafter more fully described and specifically claimed.

In the drawings, A represents a pair of standards which supports the shaft B, preferably made hollow for lightness on account of its extreme length, this shaft being rotated by means of a belt (not shown) passing over a pulley C, the opposite end of the shaft being provided with a fly or balance wheel D.

E are a series of frames, of rectangular or other shape in cross-section, which are firmly secured to the shaft B by means of bolts or otherwise, so as to rotate therewith.

a are four rods which pass through the corners of the frames E and plates G, secured to the shaft B near the ends thereof. The ends of these rods are provided with screw-threads, over which are turned nuts b, which bear against the outside of the plates G. These rods a are arched longitudinally, being the

greatest distance apart at the center, where they may be provided with a brace c, if desired, the rods a thus serving to strengthen and stiffen the shaft B, which, owing to its length, would otherwise sag and vibrate when running at a high rate of speed.

H are the beaters, which are composed of pieces of gas-piping d, flattened at the ends, where they are provided with link-pieces e, riveted thereto.

f is a piece of rubber belting or other material, the lower end of which is secured between a U-shaped piece g, which passes through the link e, while the upper end of the belting f is secured between a similar U-shaped piece h, which passes through a link i, hung from the eye of a corner-clamp k, attached to the frames E. It will thus be seen that when the shaft B is revolved the beaters will be thrown with great force upon the carpet, which rests upon the table I, the surface of the table being composed of strips of rubber or leather belting.

What I claim as my invention is as follows:

1. The shaft B, with its frames E and plates G, in combination with the arched rods a and nuts b, all operating substantially as set forth.

2. The shaft B, with its frames E, plates G, and rods a, in combination with the beaters H, all constructed to operate substantially as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 4th day of August, A. D. 1888.

CHARLES T. STORY.

Witnesses:

W. J. CAMBRIDGE,
HENRY H. PAGE.