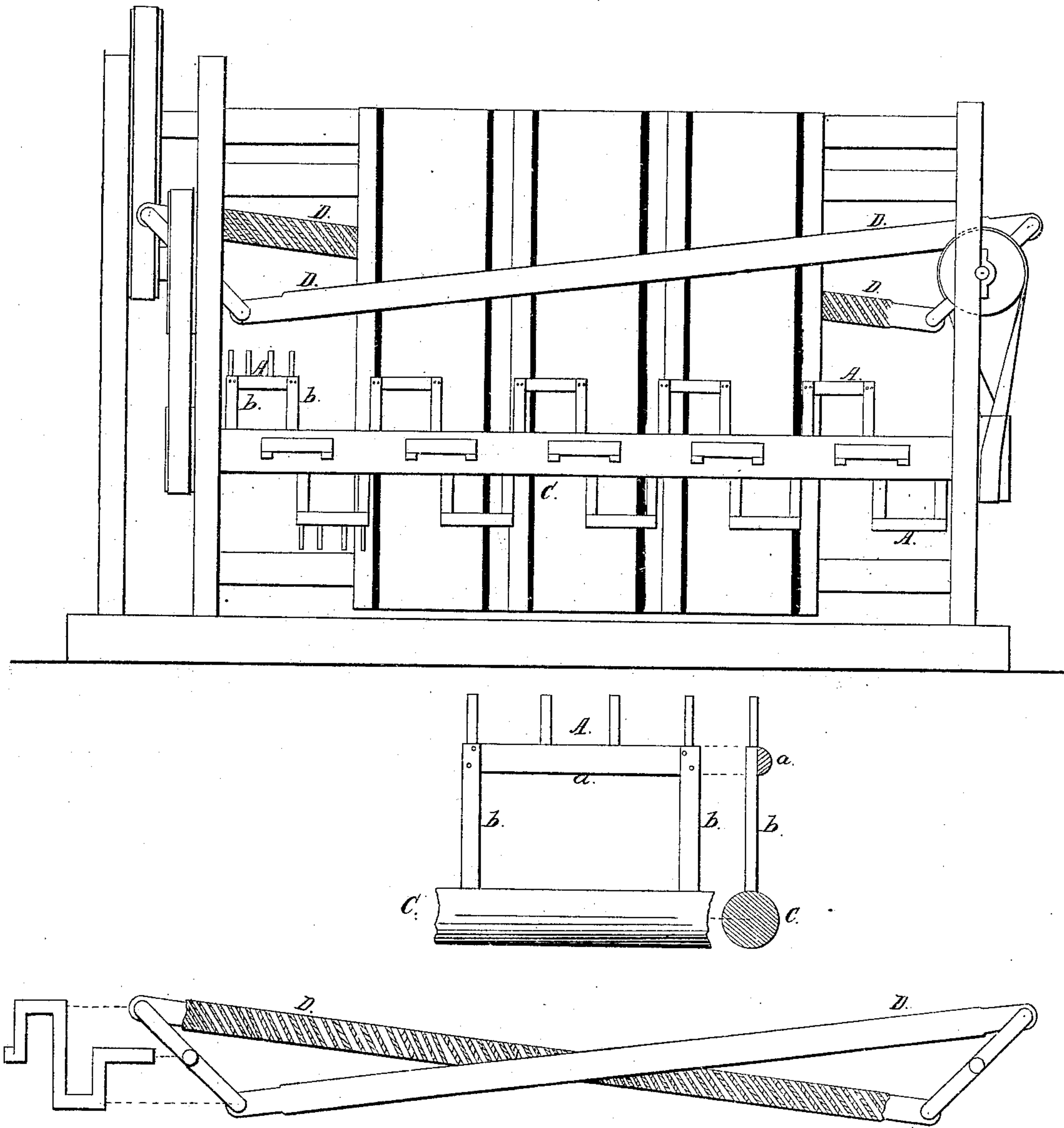


G. W. Young,

Carpet Cleaner,

N^o 69,152.

Patented Sep. 24, 1867.



Witnesses:
J. H. Atkinson
Geo. W. Smith

Inventor.
G. W. Young

United States Patent Office.

GEORGE W. YOUNG, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO
GEORGE W. SMITH, OF SAME PLACE.

Letters Patent No. 69,152, dated September 24, 1867.

IMPROVED CARPET-CLEANER.

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

TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, GEORGE W. YOUNG, of the city and county of San Francisco, State of California, have made and invented a new and useful improvement in machinery for renovating and cleaning carpets, which I designate the "Combined Whip-Beater and Cleaner," which, taken together with the accompanying drawings, is a full and clear description.

Figure 1 represents one of the whip-beaters A, which is formed of wood and raw hide, leather, or other flexible material. The end lashes or whips are fastened to the roller and beater by screws or their equivalents. The other lashes or whips may be fastened securely to the beaters, or may pass to the rollers and fasten as the end whips are secured.

The purposes of this beater are to produce a concussion upon the carpet by the blow of the wood portion of the beater, as well as to disengage the dirt or loose fibres by the action of the lashes or whips; the action of the one being repeated almost simultaneously with the other, causing thereby a better consecutive action upon the material to be operated upon than any other form of beater.

Figure 2 shows the brushes D D and their position so as to operate on both sides of the fabric to be cleaned.

On the beater-shaft is a pulley over which a belt works, and over the pulley which drives the cranks by which the brushes are worked, giving the brushes the diagonal motion across the fabric to be cleaned.

Figure 3 is an upright position of the machine, showing the whip-beaters A A upon the shaft C that operates the beaters, the position of the brushes D D, together with the frame E E and the driving-wheel F F, thus presenting a full description of the machine and its combinations, together with the fabric G to be acted upon by the whip-beaters and brushes, thus producing a machine of a practical and valuable kind for the uses and purposes for which it is designed. It brings every part of the carpet completely under the operation of the whips, beaters, and brushes, whose peculiar motion effects the results sought, without injury to the materials operated upon.

Claim.

What I claim, and wish to secure by Letters Patent, is—

The whips, in combination with the beaters, as shown and set forth.

I also claim the combination of the combined whip-beaters with the brushes D D, according to arrangements above described, and for the purposes above specified.

G. W. YOUNG.

Witnesses:

J. H. McINTIRE,

H. WINGARD.