

J. O. PIERCE.
CARPET BEATER.

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1,351,535.

Patented Aug. 31, 1920.

Fig. 1.

Fig. 2.

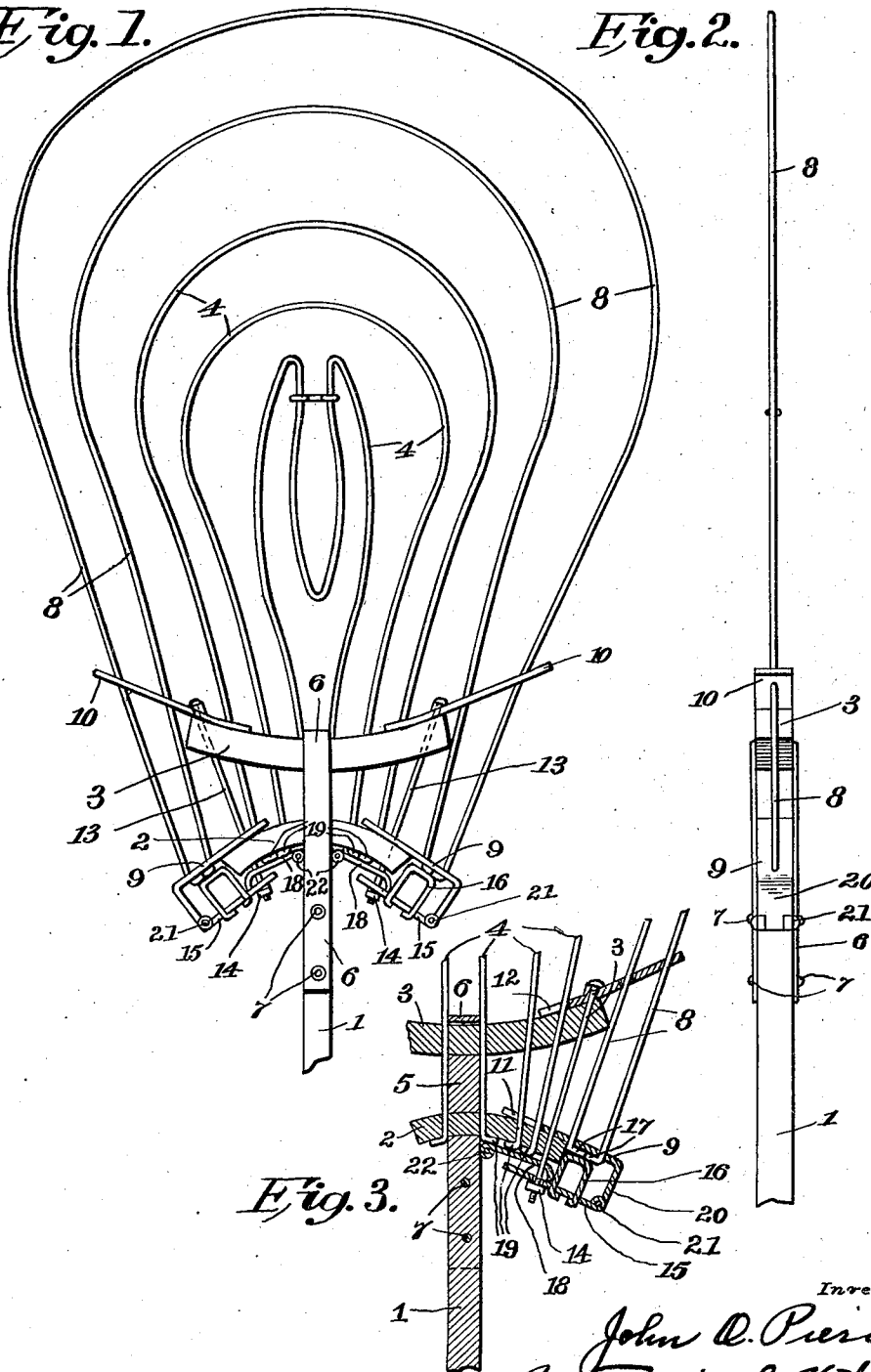


Fig. 3.

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JOHN O. PIERCE, OF NEW YORK, N. Y.

CARPET-BEATER.

1,351,535.

Specification of Letters Patent. Patented Aug. 31, 1920.

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To all whom it may concern:

Be it known that I, JOHN O. PIERCE, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Carpet-Beaters, of which the following is a full, clear, and exact specification.

This invention relates to carpet beaters, and has for its object to provide an improved device of this kind which may be built up from a small beater, suitable for use with one hand, to a large beater capable of covering considerable more surface and adapted to be actuated by both hands. The building up process is accomplished by securing additional bows to the frame of the small initial beater until the desired size is reached.

The invention will be first hereinafter described in connection with the accompanying drawings, which constitute part of this specification, and then more specifically defined in the claims at the end of the description.

In the accompanying drawings, wherein similar reference characters are used to designate corresponding parts throughout the several views:—

Figure 1 is a plan view of a carpet beater constructed in accordance with this invention and having two additional bows secured thereto.

Fig. 2 is an edge view of the beater, and Fig. 3 is a detailed section through one side of the frame of the beater showing how the additional bows are fastened thereto.

The basic or foundation beater comprises a handle 1, transverse frame members 2 and 3, and a plurality of bows 4 which are passed through said frame members and extend beyond them to form the beater proper. The frame member 2 is arranged transversely at the end of the handle 1, and the other transverse member 3 is spaced therefrom by a block 5, the two transverse members and the spacing block being secured to the handle by means of the strap 6 which is bent upon itself so as to extend across the middle of the transverse member 3 and down along the sides of the spacing block 5, across the member 2 and along the front and rear faces of the handle to which it is secured by the rivets 7 or the like.

To increase the size of the beater, additional bows 8, of any suitable number, are secured to the transverse members 2 and 3 in line with the other bows 4 by means of extension strips 9 fastened to the ends of the member 2 and other extension strips 10 fastened to the ends of the member 3. The strips 9 are slotted at 11, and the strips 10 at 12 to embrace the bows 4, and said strips are secured to the transverse members by bolts 13 passed through both members and strips. The nuts 14 on the ends of said bolts also retain hinged leaves 15 on the strips 9 with their abutments 16 in engagement with the bent ends 17 of the bows 8, and hinged leaves 18, at opposite sides of the handle, in contact with the bent ends 19 of the bows 4, whereby said bows 4 and 8 are held in proper projected positions. It will be seen that the leaves 15 are hinged to the bent end portions of the strips 9 at 21, while the leaves 18 are hinged to the sides of the handle just below the transverse member 2 at 22.

The abutments 16 may be of any suitable construction, such as the skeleton form shown, and reach in at the ends of the transverse member 2 into engagement with the bent ends of the additional bows 8. When the additional bows are not used, the bolts 13 may be employed for holding the leaves 18 in engagement with the bent ends of the main bows 4, and the strips 9 and 10 may be taken off or left on, as desired.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:—

1. The combination with a basic carpet beater, of additional bows, and means for detachably fastening said bows to the basic beater in line with its bows to increase the size of said beater.

2. The combination with a basic carpet beater having a handle, transverse members and bows attached to said members, of additional bows for increasing the size of said basic beater, and means for fastening said additional bows to said transverse members in line with the main bows.

3. The combination with a basic carpet beater having a handle, transverse members and bows attached to said members, of additional bows for increasing the size of said basic beater, and means for fastening said additional bows to said transverse members

comprising extension strips projecting beyond the ends of said transverse members, the additional bows being attached to said strips and the strips to the transverse members.

4. The combination with a basic carpet beater having a handle, transverse members and bows attached to said members, of additional bows for increasing the size of said basic beater, and means for fastening said additional bows to said transverse members comprising extension strips having slots in their inner ends to embrace the main bows, said strips projecting beyond the transverse members and being detachably secured thereto.

5. A carpet beater having a handle, transverse members and bows attached to said members by being passed through the same, the ends of said bows being bent over below one of said transverse members, and hinged leaves to engage said bent ends of the bows for the purpose specified.

6. A carpet beater having a transverse member, bows passed through said member and having bent ends, hinged leaves to swing into engagement with said bent ends of the bows, and means for retaining said leaves in such position.

7. A carpet beater having a transverse member, bows passed through said member and having bent ends, hinged leaves to swing into engagement with said bent ends of the bows, and bolts passed through said member and leaves for retaining said leaves against the bent ends of the bows.

8. A carpet beater having a transverse frame member, main bows secured thereto, additional bows, extension strips attached thereto and connected to said frame member, said additional bows having bent ends underlying said strips, and hinged leaves on said strips having abutments to engage

said bent ends of the additional bows for holding them in position.

9. A carpet beater having a transverse frame member, main bows passed through said frame member and having bent ends underlying the same, extension strips attached to the ends of said frame member, additional bows passed through said strips and having bent ends underlying the same, and hinged leaves adapted to engage the bent ends of the bows for holding them in position.

10. A carpet beater having a transverse frame member, main bows passed through said frame member and having bent ends underlying the same, extension strips attached to the ends of said frame member, additional bows passed through said strips and having bent ends underlying the same, leaves hinged to said frame member for engaging the bent ends of the main bows, and other hinged leaves having abutments to engage the bent ends of the additional bows.

11. A carpet beater having a transverse frame member, main bows passed through the same and having bent ends underlying said member, extension strips projecting at the ends of said member, additional bows passed through said strips and having bent ends underlying the same, leaves hinged to said frame member for engaging the bent ends of the main bows, other leaves hinged to the strips and having abutments to engage the bent ends of the additional bows, and bolts passed through said frame member and strips and also adapted to hold the hinged leaves in contact with the bent ends of the bows as well as secure said strips to said frame member.

In testimony whereof I have signed my name to this specification.

JOHN O. PIERCE.