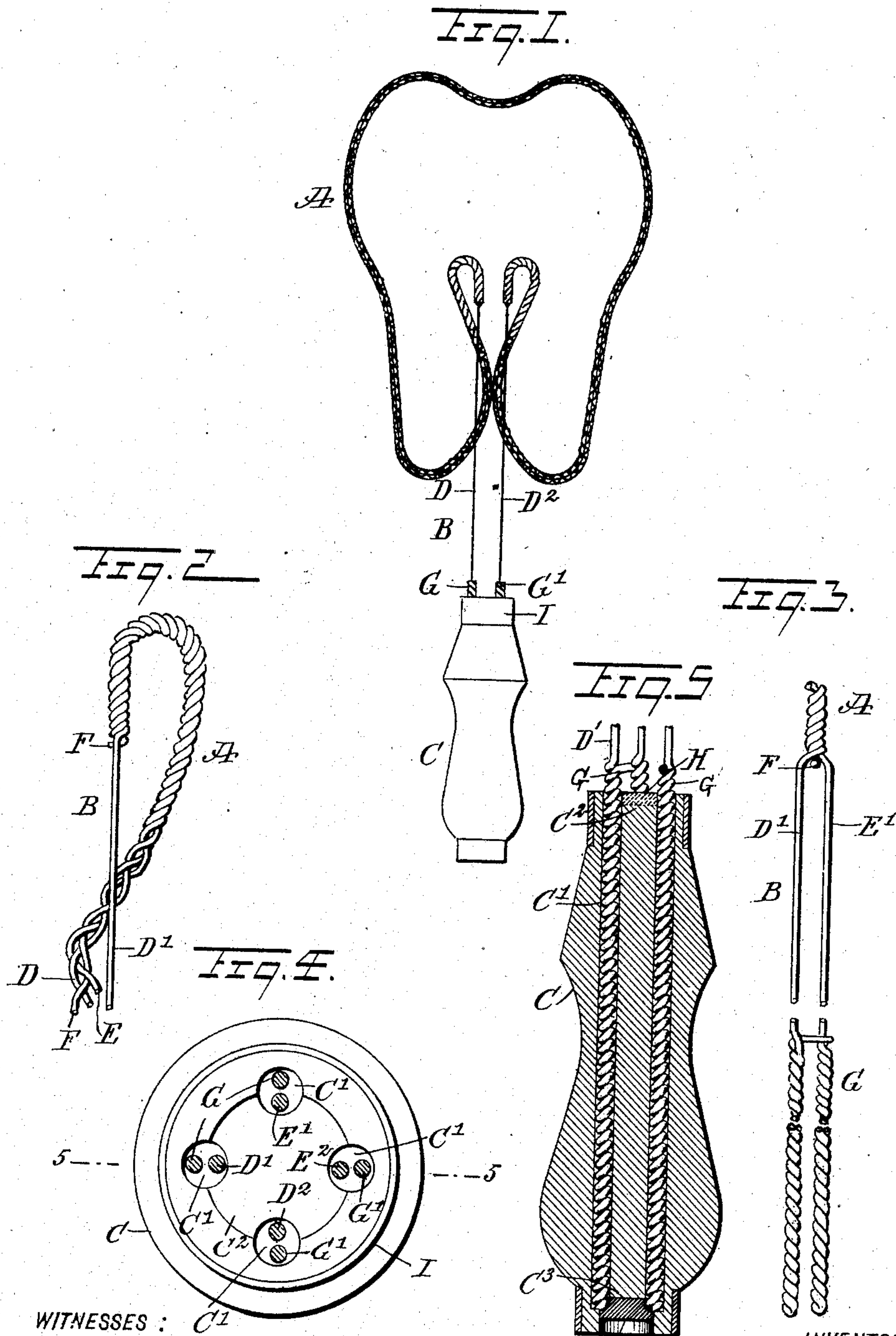


No. 864,553.

PATENTED AUG. 27, 1907.

C. S. PHOENIX.
CARPET BEATER.
APPLICATION FILED APR. 12, 1907.



WITNESSES : C1

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CHARLES SUMNER PHOENIX, OF OBERLIN, OHIO.

CARPET-BEATER.

No. 864,553.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed April 12, 1907. Serial No. 367,736.

To all whom it may concern:

Be it known that I, CHARLES SUMNER PHOENIX, a citizen of the United States, and a resident of Oberlin, in the county of Lorain and State of Ohio, have invented a new and Improved Carpet-Beater, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved carpet or rug beater, arranged to afford the desired flexibility, to stand rough usage for a long time without danger of breaking, and to prevent injury to the threads of the carpet or rug on which the beater is used.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the improvement; Fig. 2 is an enlarged side elevation of a portion of the beater body and the shank; Fig. 3 is an edge view of the same; Fig. 4 is an enlarged sectional plan view of the shank in position in the handle, and Fig. 5 is a sectional side elevation of the same on the line 5—5 of Fig. 4.

The beater illustrated in the drawings consists essentially of a beater body A, a shank B for supporting the beater body, and a handle C in which the terminals of the shank B are secured. The beater body A as shown is formed of a plurality of wires, as indicated of three wires D, E and F, braided or twisted together and bent into a suitable loop or like form, as indicated in Fig. 1, two of the wires as shown, the wires D and E being extended beyond both ends of the beater body A, to form the double shank members D', E' and D², E², all arranged parallel to each other, so as to provide a flexible shank for the flexible beater body A. The terminals of the pairs of shank members D', E', D², E² are reinforced by reinforcing wires G and G¹ and the reinforced terminals of the shank members D', E', D², E² extend in holes C' bored lengthwise in the handle C, as plainly indicated in Figs. 4 and 5. Now in order to secure the said reinforced terminals of the shank members D', E', D², E² in position in the handle C, the top and bottom of the handle is provided with recesses C², C³ intersecting the holes C' and adapted to receive solder H, H', so as to engage the reinforced shank terminals to securely fasten the same in place in the handle C.

It is understood that the wire F forms a reinforcing

wire for the other wires D and E, but this reinforcing wire extends only at the beater body A, thus forming a beater body of the desired strength and flexibility, at the same time providing a shank by extending two of the wires at each end of the beater body, thus rendering the beater exceedingly strong and durable, and capable of withstanding rough usage for a long time. It will also be noticed that by the arrangement described, the beater can be very cheaply manufactured, as very little skilled labor is required in twisting the wires together in the manner described, and securing the same in position in the handle, as above set forth.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A carpet beater comprising a handle and a pair of wires braided to form a beater body of loop shape and terminating at each end in a pair of spaced shanks secured in the said handle, and a reinforcing wire braided with the said wires in the beater body portion.

2. A carpet beater comprising a handle and a pair of wires braided to form a beater body of loop shape and terminating at each end in a pair of spaced shanks secured in the said handle, a reinforcing wire braided with the said wires in the beater body portion, and reinforcing wires for the terminals of the said shanks.

3. A carpet beater comprising a handle and a pair of wires braided to form a beater body of loop shape and terminating at each end in a pair of straight and spaced shanks, a reinforcing wire braided with the said wires in the beater body portion, and reinforcing wires for the terminals of the said shanks and connecting the pairs of shanks together, the said reinforced terminals engaging separate apertures in the said handle.

4. A carpet beater comprising an apertured handle having recessed ends and a pair of wires braided to form a beater body of loop shape and terminating at each end in a pair of straight and spaced shanks in separate apertures in the said handle, a reinforcing wire braided with the said wires in the beater body portion, reinforcing wires for the terminals of the said shanks, and solder in the recesses of the handle for holding the reinforced shank terminals in position on the said handle.

5. A carpet beater comprising a plurality of wires braided together and bent into a loop, to form a beater body, two of the said wires extending beyond both ends of the beater body and being arranged parallel one to the other, to form pairs of spaced shanks for the beater body.

6. A carpet beater comprising a handle and a looped beater body formed of a plurality of intertwined wires terminating at each end in a pair of spaced shanks, and reinforcing wires intertwined with the terminals of said shanks and connecting each pair of shanks together.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES SUMNER PHOENIX.

Witnesses:

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WILLIS A. HART.