

G. W. GOLAY,

Broom Head.

No. 55,769.

Patented June 19, 1866.

Fig. 1.

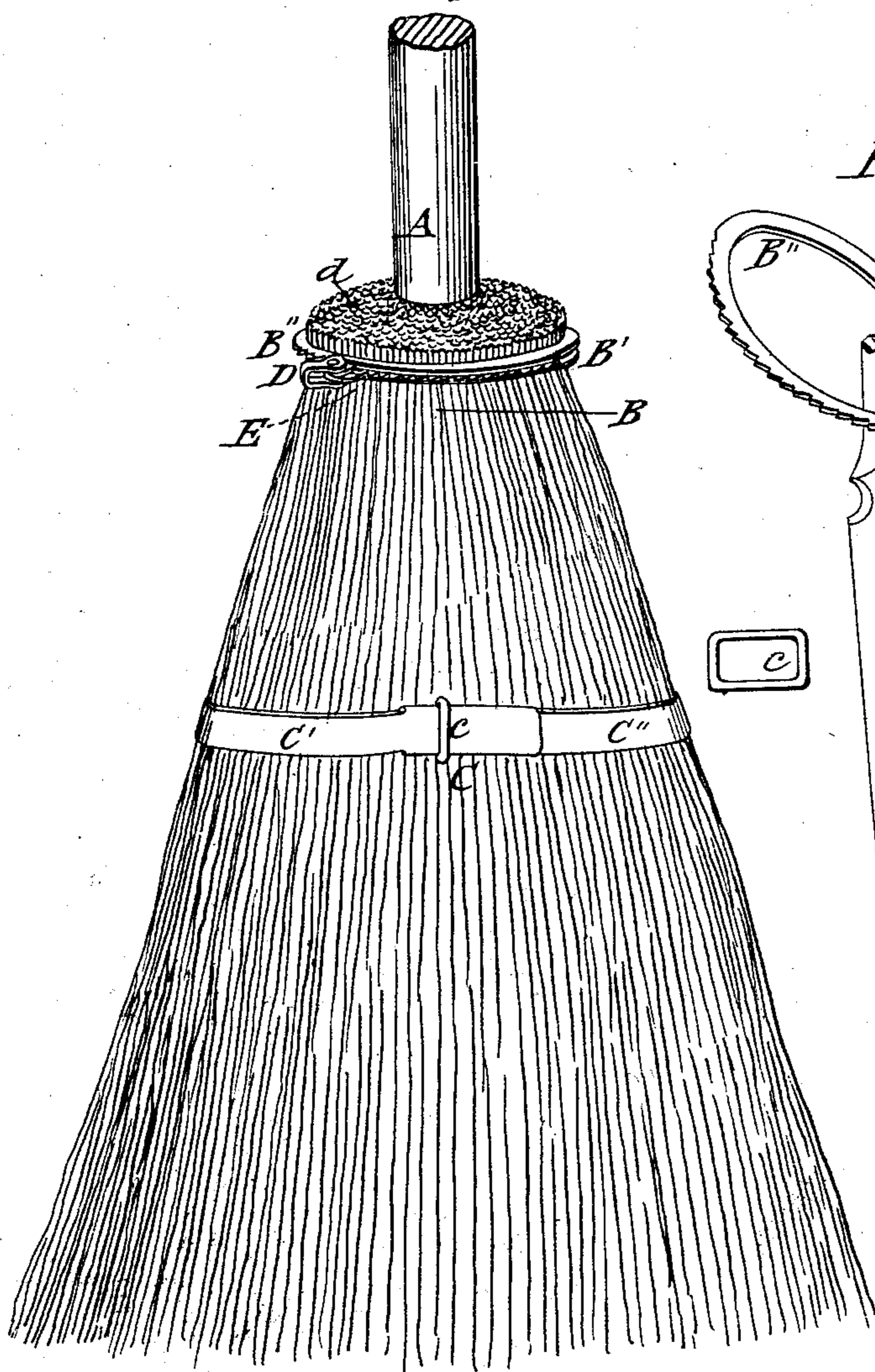
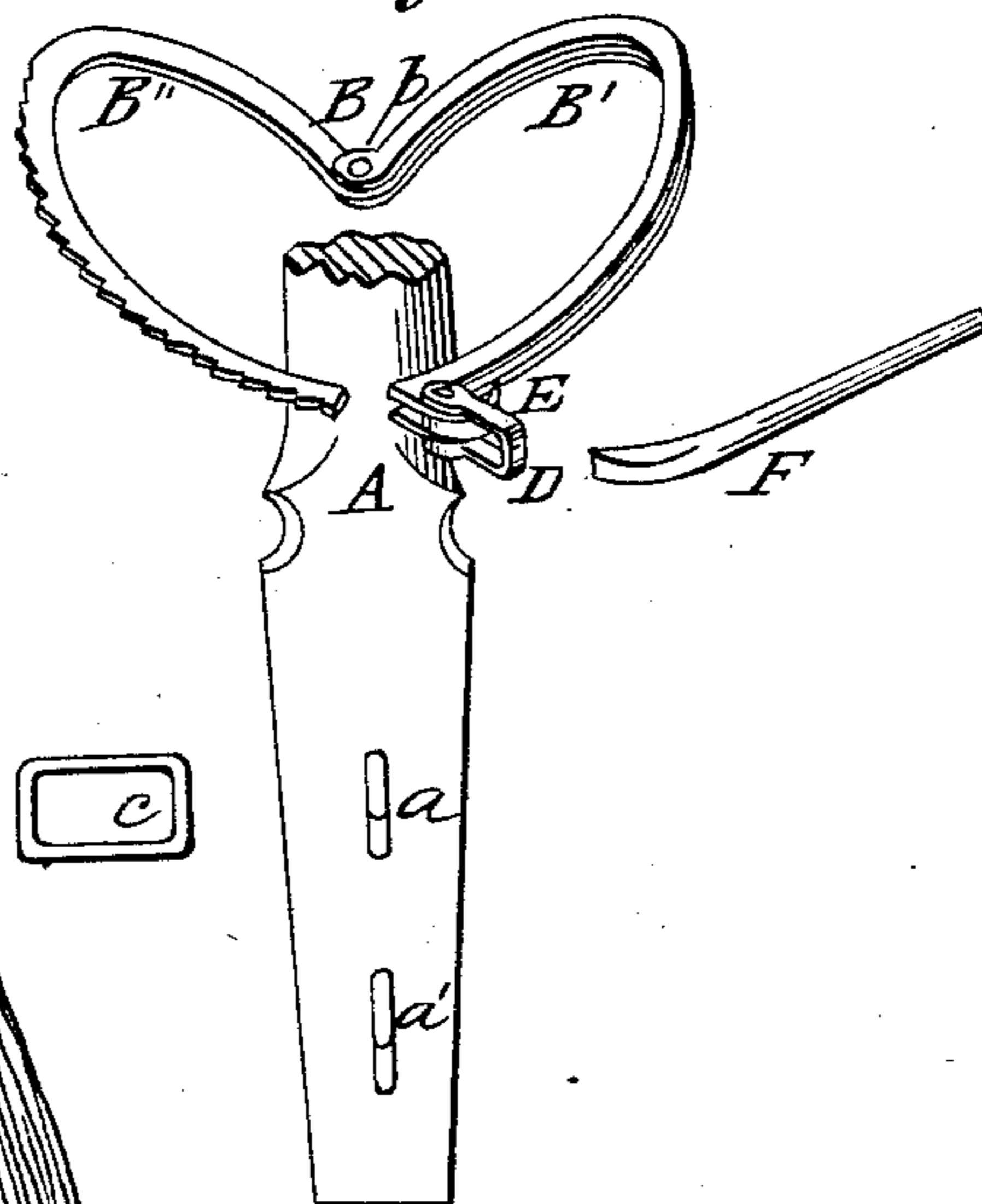


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE W. GOLAY, OF VEVAY, INDIANA, ASSIGNOR TO HIMSELF AND ELI T. OGLE, OF SAME PLACE.

IMPROVED BROOM-HEAD.

Specification forming part of Letters Patent No. 55,769, dated June 19, 1866.

To all whom it may concern:

Be it known that I, GEORGE W. GOLAY, of Vevay, Switzerland county, State of Indiana, have invented certain new and useful Improvements in Broom-Heads; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the class of brooms in which the straw can be replaced when worn; and it consists of adjustable clamps adapted to act in conjunction with the broom-handle for holding and clamping the straws, and of so light a construction that but little more than one ounce is added to the weight of the straws and handle by the attachment of the clamps.

In the accompanying drawings, Figure 1 is a perspective view of a broom embodying my invention. Fig. 2 exhibits a portion of the details.

A is the handle of the broom, provided with slots *a a'*. B C are clamps for holding and tightly securing the straws of the broom, the clamp B pressing the ends of the straws tightly to the handle, and C securing the straws at about the mid-length and in their more expanded form.

The clamp B is composed of double strap B' and single-racked strap B'', capable, by the provision of the joint *b*, of expanding for the reception of the straw, as seen in Fig. 2. When closed the strap B'' is inclosed within the double strap B', and presents an elliptical form, as seen in Fig. 1. To the double strap B' a loop, D, is attached by swivel-joint at *d*, and to the same joint a pawl, E, is hinged, which, by falling into the notches of the strap B'', serves to retain the clamp in any desired position. The clamp is closed and the straw tightened by the use of

the lever F, the end of which fits into the notches of the strap B'', and the loop D, through which it passes, serves as the fulcrum. The pawl E serves to hold the clamp in place as it is drawn forward and closed by successive gripe of the lever F. It is obvious that the clamp can be closed and the straws of the broom tightened at any time during use.

The clamp C is composed of parts C', C'', and *c*, the part C'' sliding within the part C', as shown, and the whole passing through the link *c*. This clamp is connected to the handle A by passing the link *c* through either of the slots *a a'*, and is designed merely to keep the straws well together at their mid-length and form a connection at that point with the broom-handle. By simply sliding the parts together, one within the other, the dimensions of the broom at this point can be contracted or expanded at will.

It will be seen that by the peculiar construction given to the clamps B C the broom need be but little heavier (say one and one-half ounce) than an ordinary broom in which the straws are permanent.

I claim herein as new and of my invention—

1. The hinged clamp B, composed of parts B' B'', loop D and pawl E, constructed and operating substantially as and for the purpose specified.

2. In combination with the above, the sliding clamp C, composed of parts C C' and link *c*, as set forth, and for the purpose specified.

In testimony of which invention I hereunto set my hand.

GEORGE W. GOLAY.

Witnesses:

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