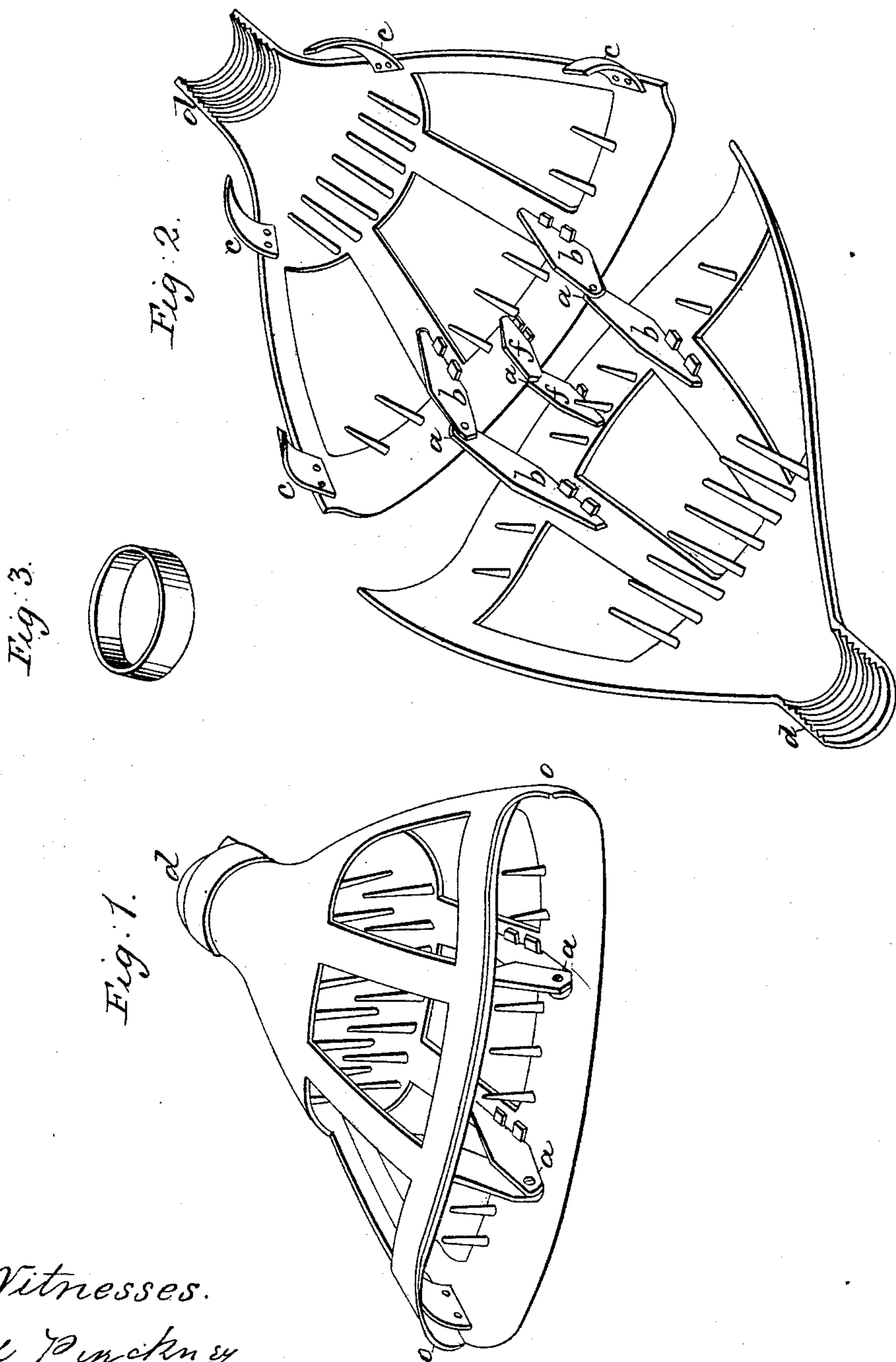


A. HARROUN, Jr.

Broom Head.

No. 57,320.

Patented Aug. 21, 1866.



Witnesses.
Dana Pinckney
Arthur H. Arndson.

UNITED STATES PATENT OFFICE.

ALEXANDER HARROUN, JR., OF ONONDAGA, NEW YORK.

IMPROVED BROOM-HEAD.

Specification forming part of Letters Patent No. 57,320, dated August 21, 1866.

To all whom it may concern:

Be it known that I, ALEXANDER HARROUN, Jr., of Onondaga, in the county of Onondaga, in the State of New York, have invented a new and Improved Broom-Head; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 of the accompanying drawings gives an outside view of my broom-head. Fig. 2 gives an inside view. Fig. 3 gives a view of the ring surrounding the neck.

I make my broom-head in two general parts, which are substantially alike in shape, and connect the parts by any required number of hinges or joints. Fig. 2 of the drawings gives a view of the parts. The letter *a* marked thereon refers to the joints by which the parts are connected. The arms of these joints I attach to the parts of the head anywhere between the edges of the head, but so far from the edges as to admit of being inclosed on two sides by the brush of which the broom is made.

The letter *o* in Fig. 1 refers to the edges of

the head. The letter *f* in Fig. 2 refers to the arms and their place of attachment to the head when only one joint is used. The letter *b* in Fig. 2 refers to the arms of the joints likewise.

At suitable points upon the edge of the head I place elastic or stationary guides to aid in keeping the brush in position while it is being made fast. These guides are referred to by the letter *c* in Fig. 2.

In the aperture of the neck I form the thread of a screw for drawing in the handle and holding it. This thread is referred to by the letter *d* in Figs. 1 and 2.

I claim—

The combination of the two metallic parts joined together by the arms *b b b b* with the guides, the metallic pins, and the shank furnished with screw-thread and ferrule, all constructed substantially as and for the purpose set forth.

ALEXANDER HARROUN, JR.

Witnesses:

DANIEL PINCKNEY,
OUTERBRIDGE H. AMIDON.