

T. J. WALSH.
CURRY-COMB.

No. 174,329.

Patented Feb. 29, 1876.

Fig. 1.

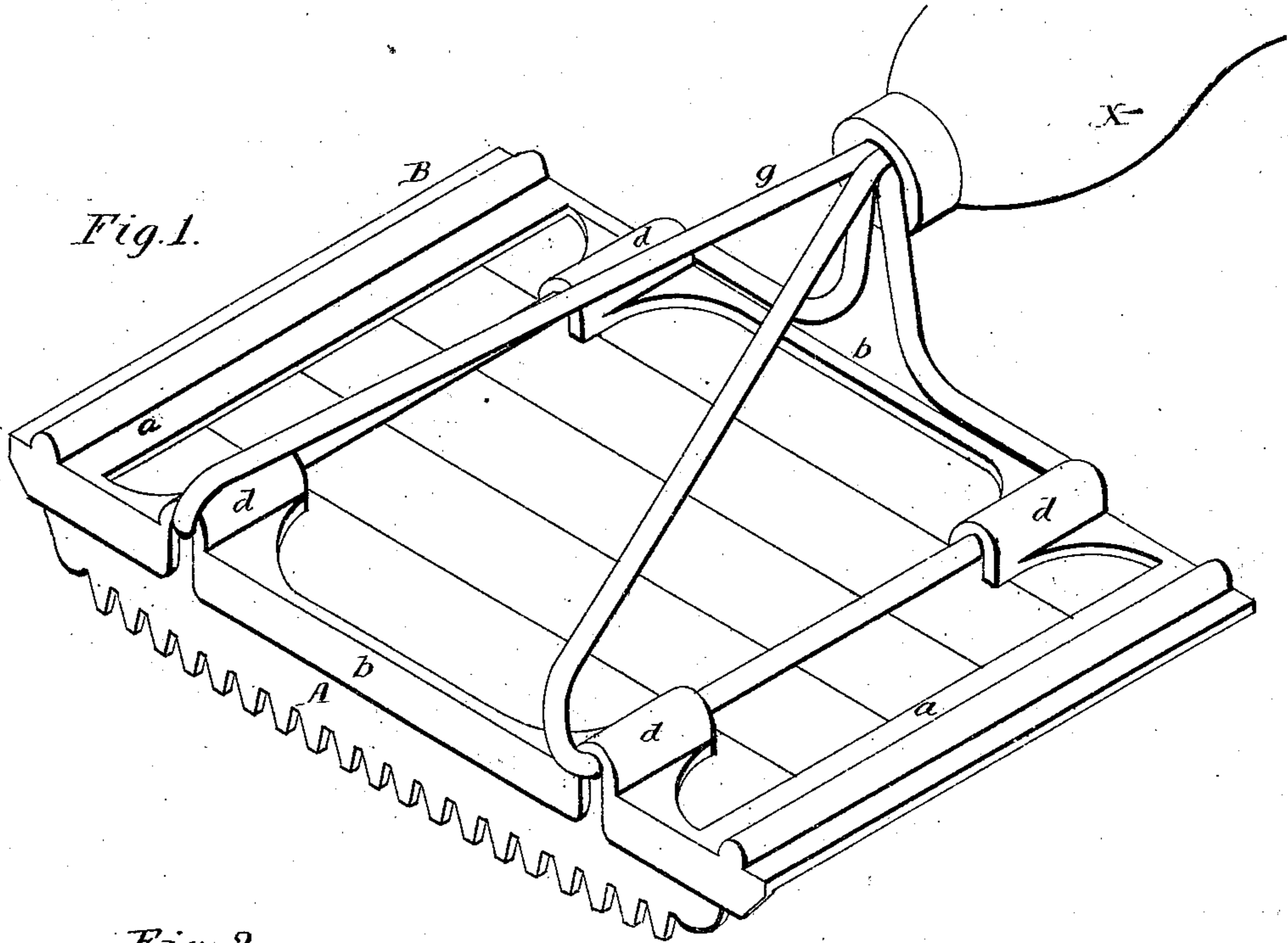


Fig. 2.

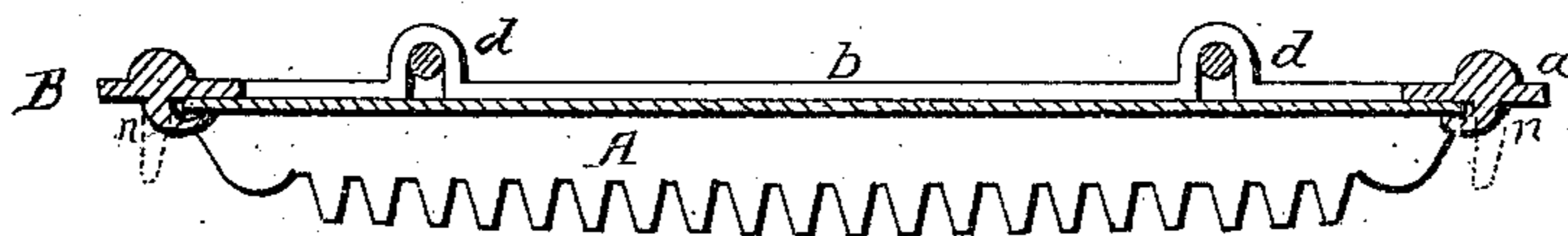


Fig. 3.

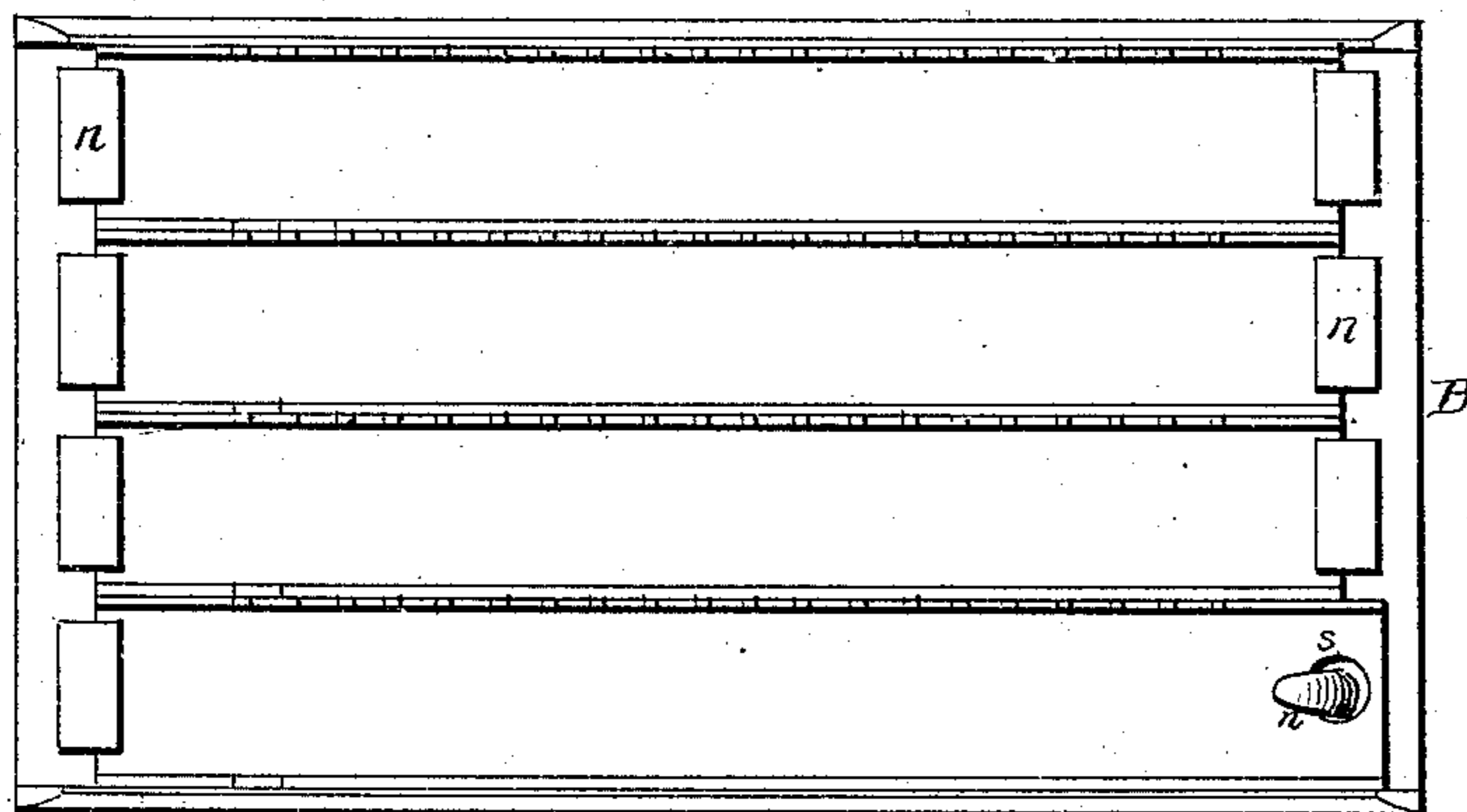
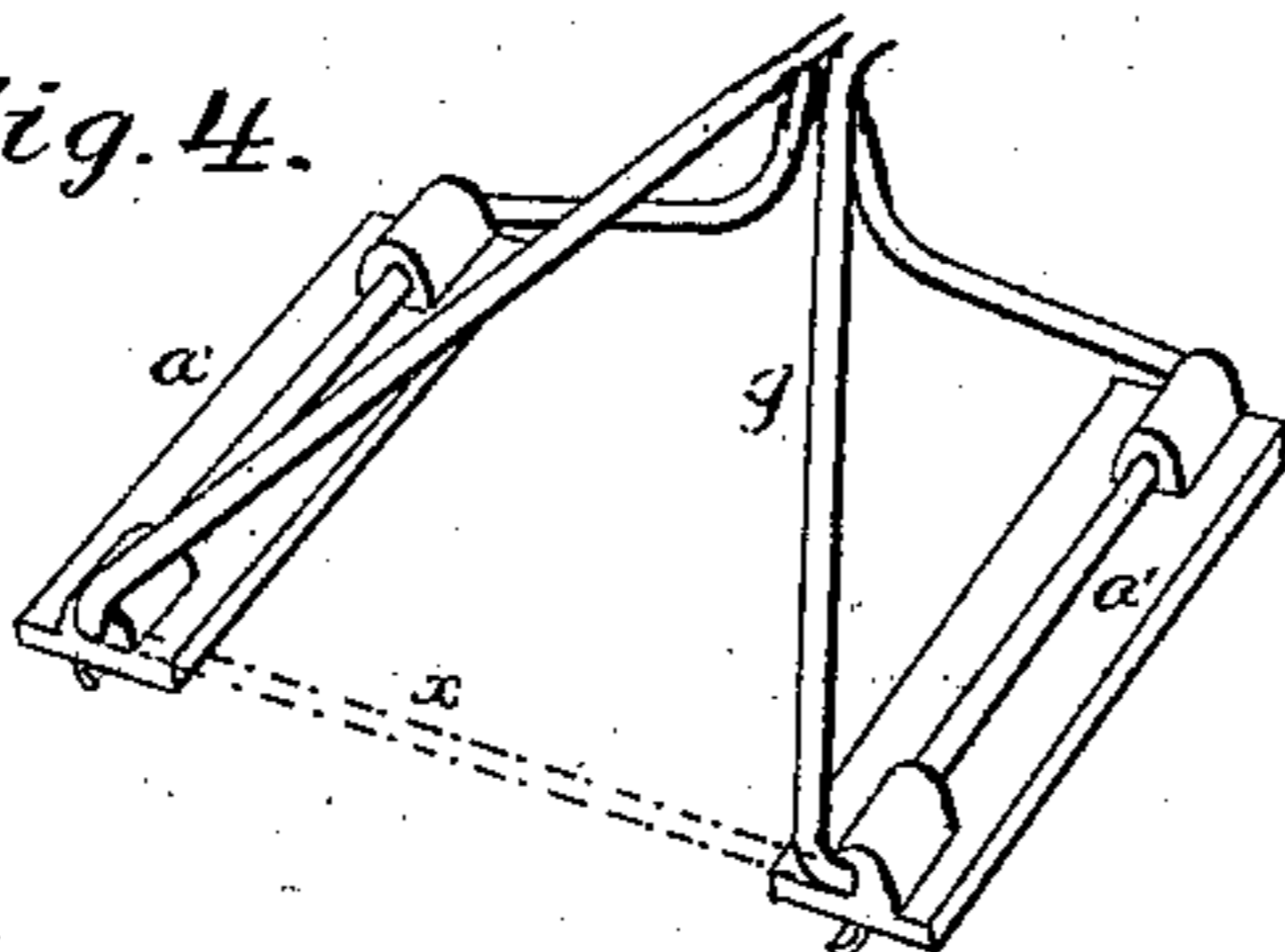


Fig. 4.



Witnesses:

Courtney A. Cooper.

Geo. H. Pearson

T. J. Walsh

By his atty.

Charles E. Foster

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Fig. 5.

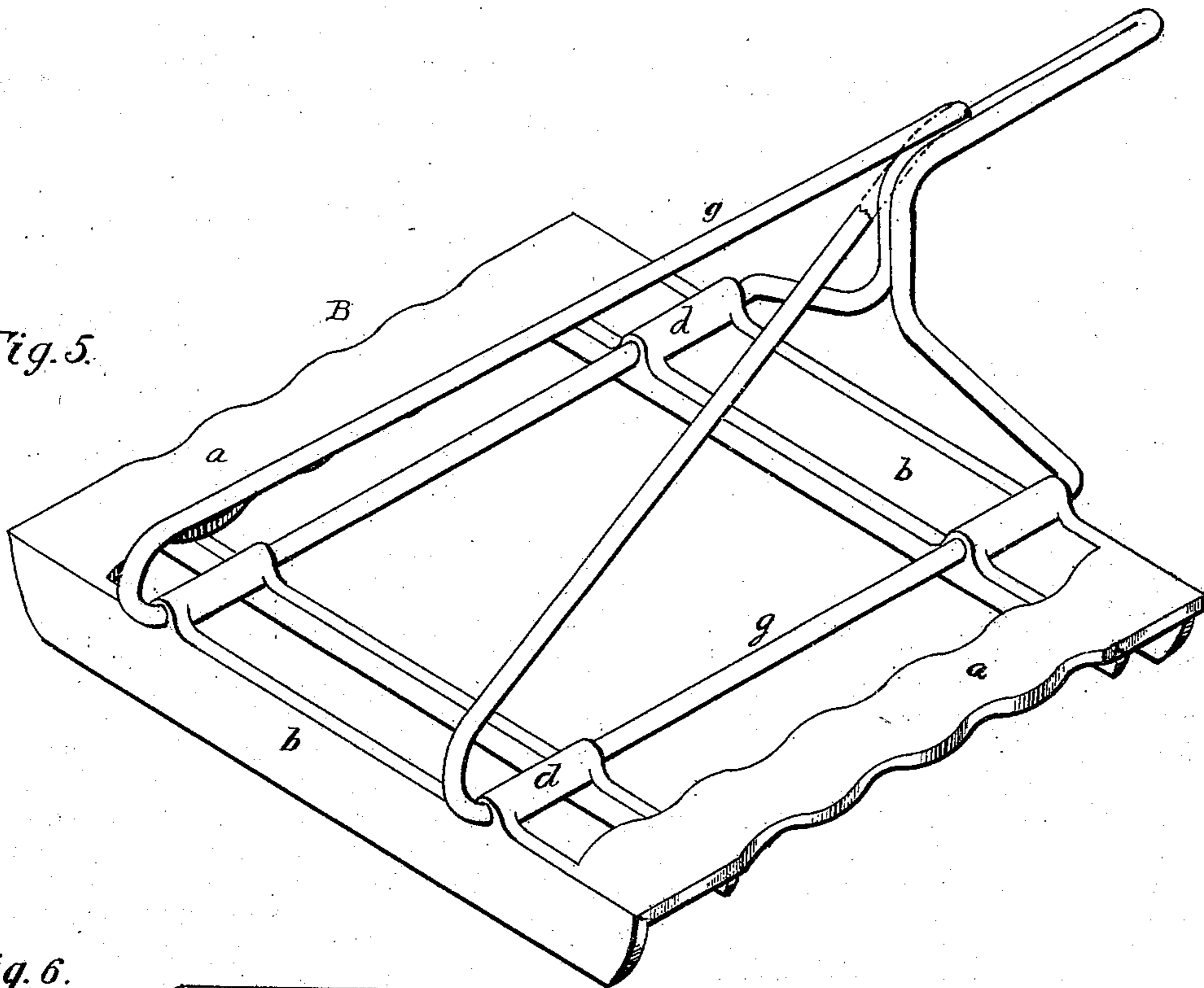
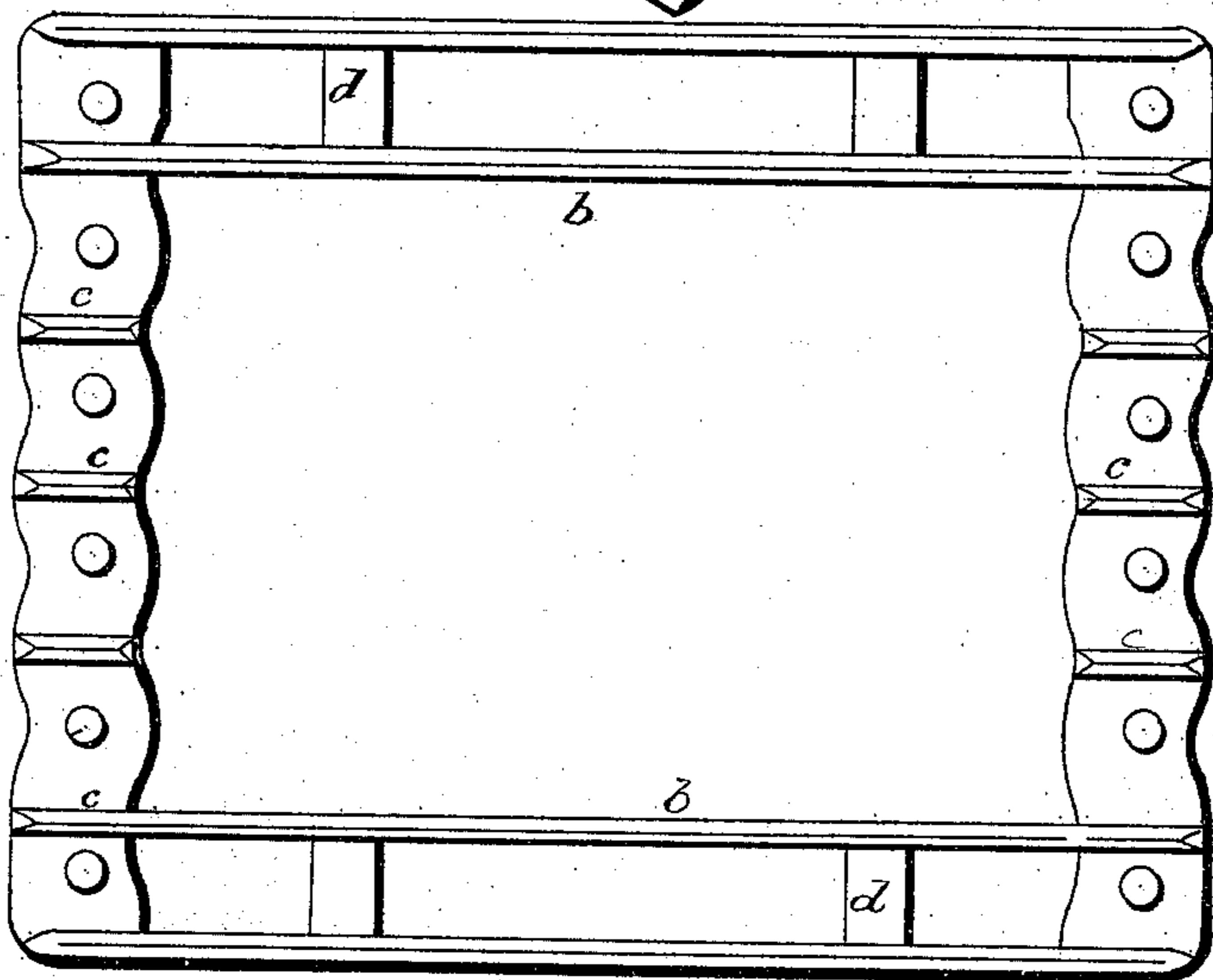


Fig. 6.



Witnesses:

Courtney A. Cooper

Geo. H. Pearson

T. J. Walsh

By his atty

Charles Effoster

UNITED STATES PATENT OFFICE.

THOMAS J. WALSH, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND
C. E. L. HOLMES, OF SAME PLACE.

IMPROVEMENT IN CURRY-COMBS.

Specification forming part of Letters Patent No. **174,329**, dated February 29, 1876; application filed
January 8, 1876.

To all whom it may concern:

Be it known that I, THOMAS J. WALSH, of the city, county, and State of New York, have invented an Improved Curry-Comb, of which the following is a specification:

My invention relates to certain improvements in curry-combs, whereby the same are rendered stronger and more durable than those of the ordinary construction, and their manufacture is facilitated.

On reference to the accompanying drawing, Figure 1 is a perspective view of a curry-comb constructed in accordance with my invention; Fig. 2, a longitudinal section of Fig. 1; Fig. 3, an inverted plan view; Figs. 4 and 5, perspective views, showing modifications; and Fig. 6, an inverted plan view of Fig. 5.

The combs or "tooth-bars" A may be connected together in any suitable manner, or may be secured either with intervening spaces or side by side, as in Fig. 1, to back strips or plates, as usual. I prefer, however, to employ a back frame, B, consisting of side plates *a a* and cross-bars *b b*. The bars may be secured to the frame or plates by means of rivets, as usual; but I prefer to retain them by means of lips or hooks *n n*, Figs. 2, 3, 4, which overlap the plates either at the extreme ends, or extend through slots or openings *s*, Fig. 3, and beneath the lower faces of the plates, the latter being thus retained securely in their positions.

When the lips are of sufficient width, or when they extend through openings *s*, they serve to determine the lateral position of the comb-plates, and to retain them therein; as well as to secure them to the frame.

The lips may be cast with the frame, at right angles to the lower face, as shown in dotted lines, Fig. 2, and afterward bent down upon the faces of the comb-plates.

At the back of the comb, at any suitable distance from the side edges, are lugs *d d*, to which are connected the rods, bars, or frame *g*, extending to or forming part of the main side handle X, the drawing illustrating a frame consisting of a single wire extending through the lugs, either as shown in Figs. 1 and 5, or as in Fig. 4, that portion of the wire or frame

extending over the back of the comb constituting the supplementary handle, as in the comb patented to Cyrus W. Saladee, March 7, 1865.

The lugs *d* may be formed by casting them on, and as part of, the frame, as shown in Fig. 5, or by casting or bending the frame to form loops to extend over the bars *g*, as shown in Fig. 1, or in any other manner.

Heretofore it has been usual to place the lugs at the side edges, where they are liable to be broken when the comb is struck to cleanse it, while the bars *g* of the supplementary handle are separated to such an extent that they cannot be conveniently grasped by the hand when it is desired to obtain a hold at the back of the comb.

By forming the connection at the back of the comb the bars may be brought as close together as is necessary, the connection between the bars and comb is such as to insure great strength and rigidity to the supplementary handle, the attachments are made where there is least danger of injury, the sides of the comb are divested of all protuberances, and the amount of wire required and the weight of the comb are reduced.

The frame B, constructed as described, affords a cheap, light, and strong backing for the tooth-bars, which are securely retained by the rivets or lips *n*. Where two back strips or plates, *a' a'*, Fig. 4, are used in place of a continuous frame, they are retained with their lips *n* in firm contact with the tooth-bars by means of the wire or rods *g*, extending from lugs at the back of the plates, either directly across, as shown in dotted lines *x*, or otherwise.

I claim—

1. A curry-comb provided with a side handle and with lugs at the back, to which the handle is connected through the medium of a frame or rods, as set forth.

2. The continuous wire rod passing through lugs at the back of the frame, and constituting the supplementary handle, substantially as set forth.

3. The combination of the toothed bars, the rods connecting the bars and side handle, and

a plate or plates bent or cast to form loops, by which the rods are connected to the bars, substantially as set forth.

4. The back pieces, having their bearings against the ends of the comb-bars, and confined thereto by the frame or rods *g*, substantially as set forth.

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

THOMAS J. WALSH.

Witnesses:

C. E. L. HOLMES,

SAMUEL KILPATRICK.