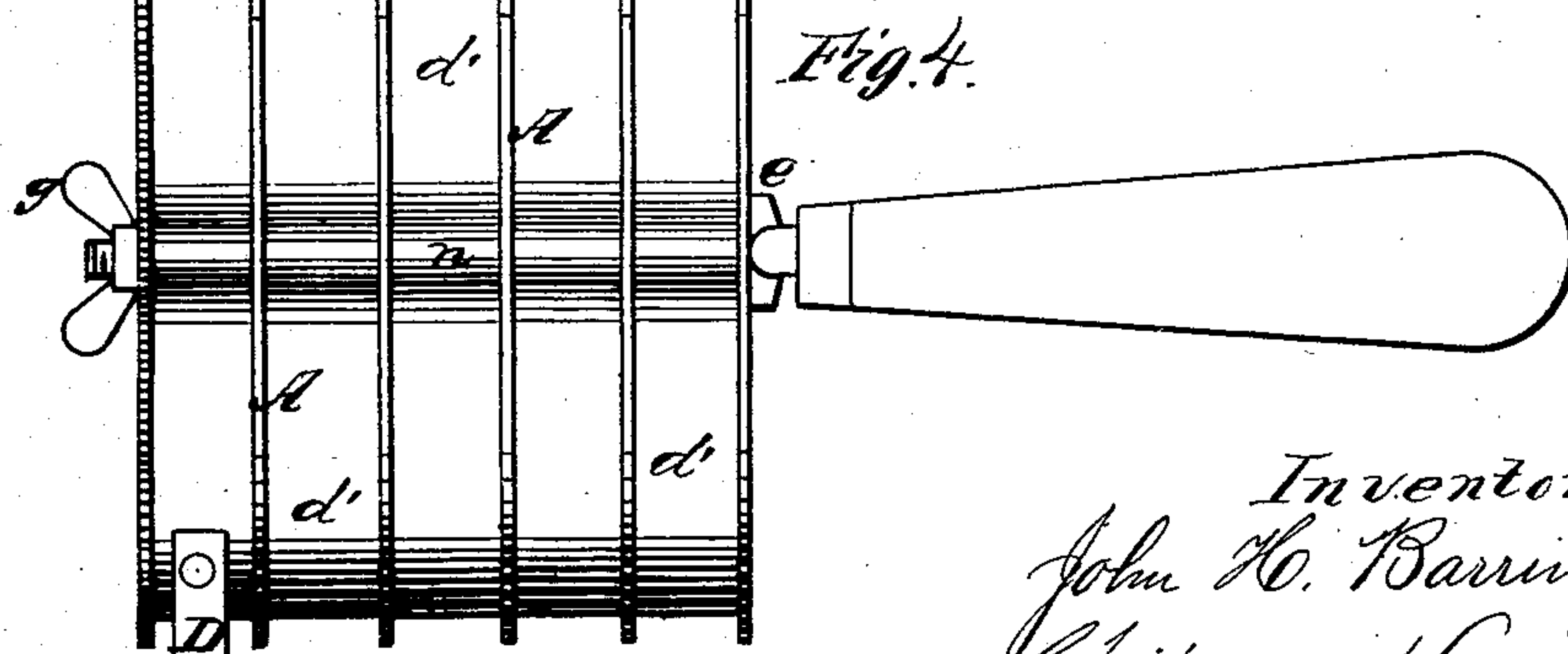
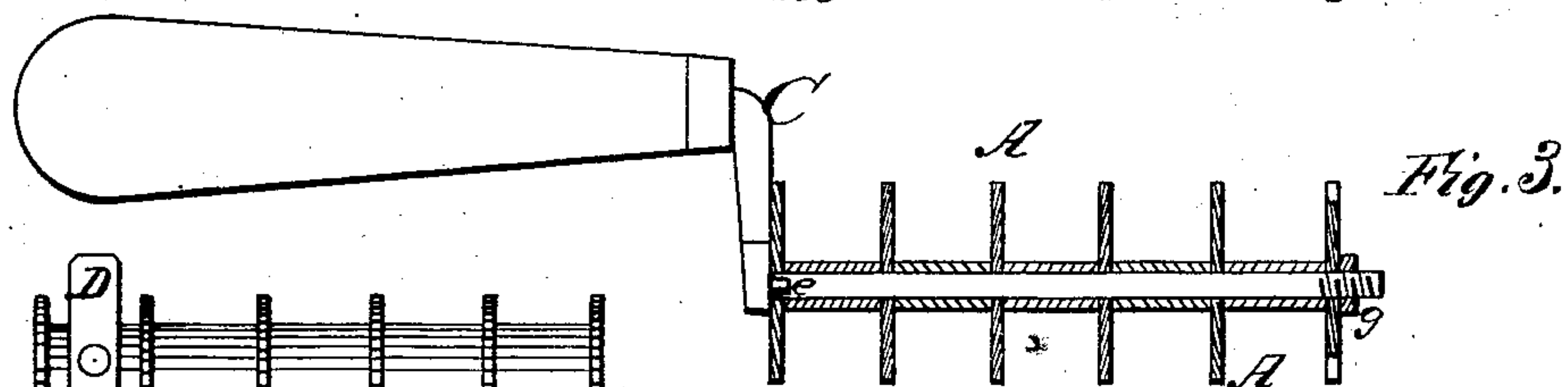
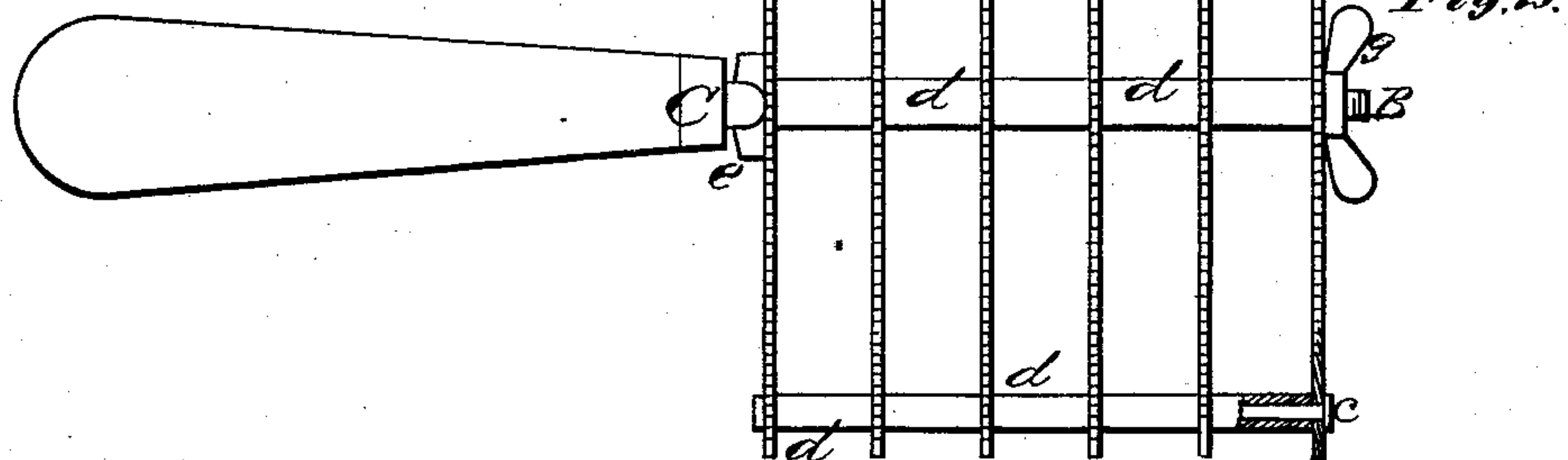
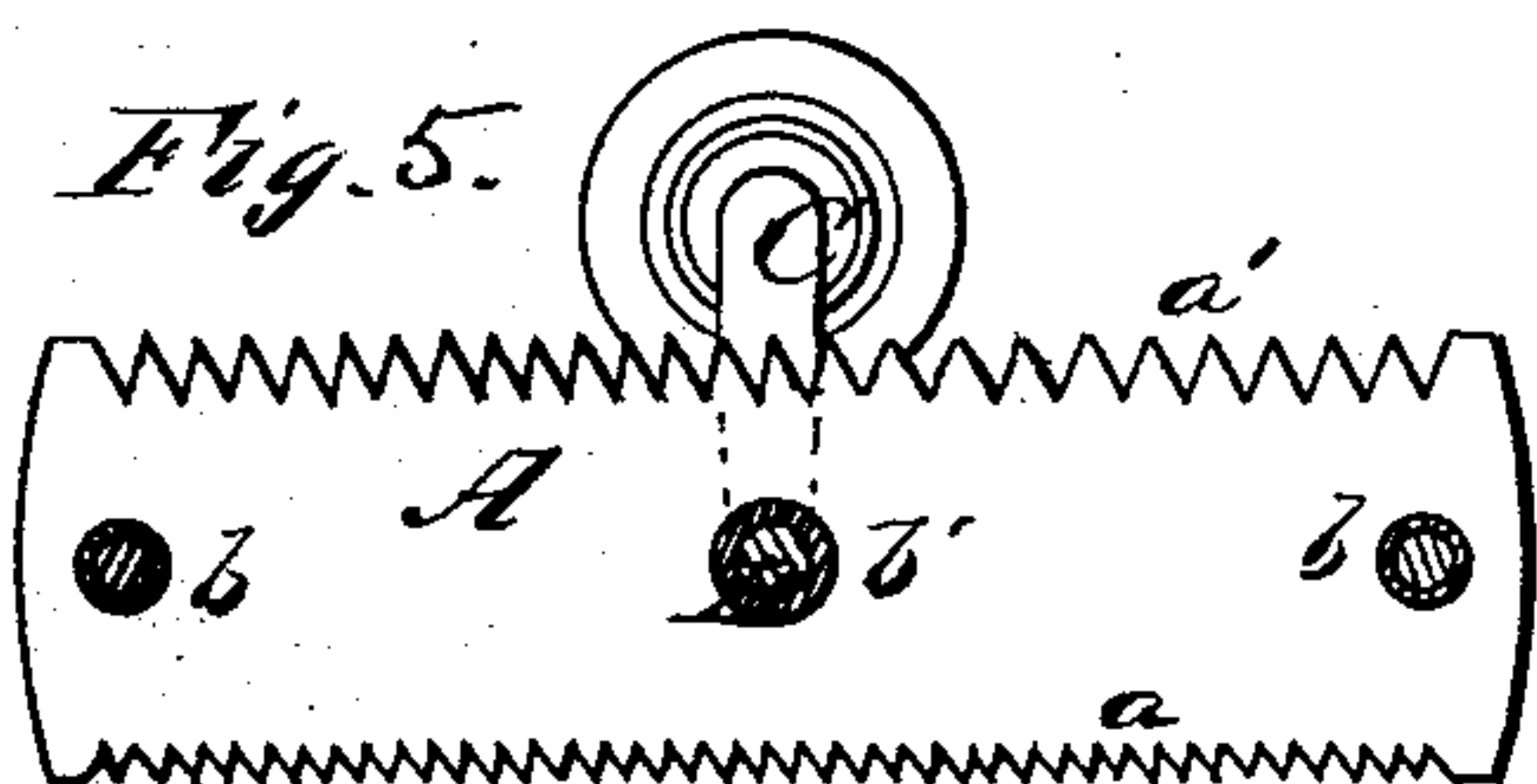
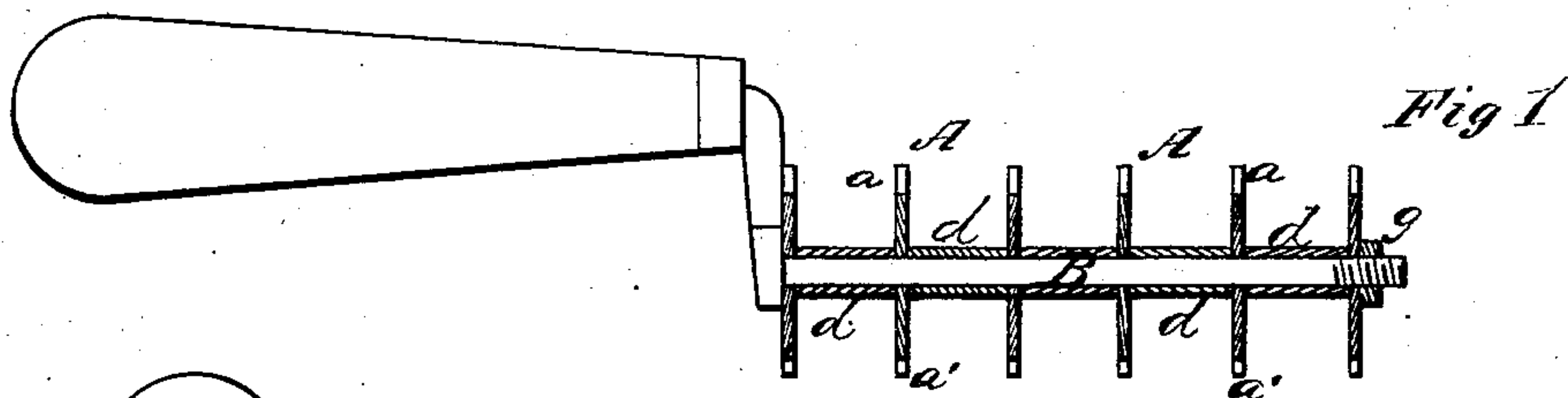


J. H. BARRINGER.
Curry-Combs.

No. 162,455

Patented April 27, 1875.



Witnesses
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Geo. E. Upham.

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Fig. 6.

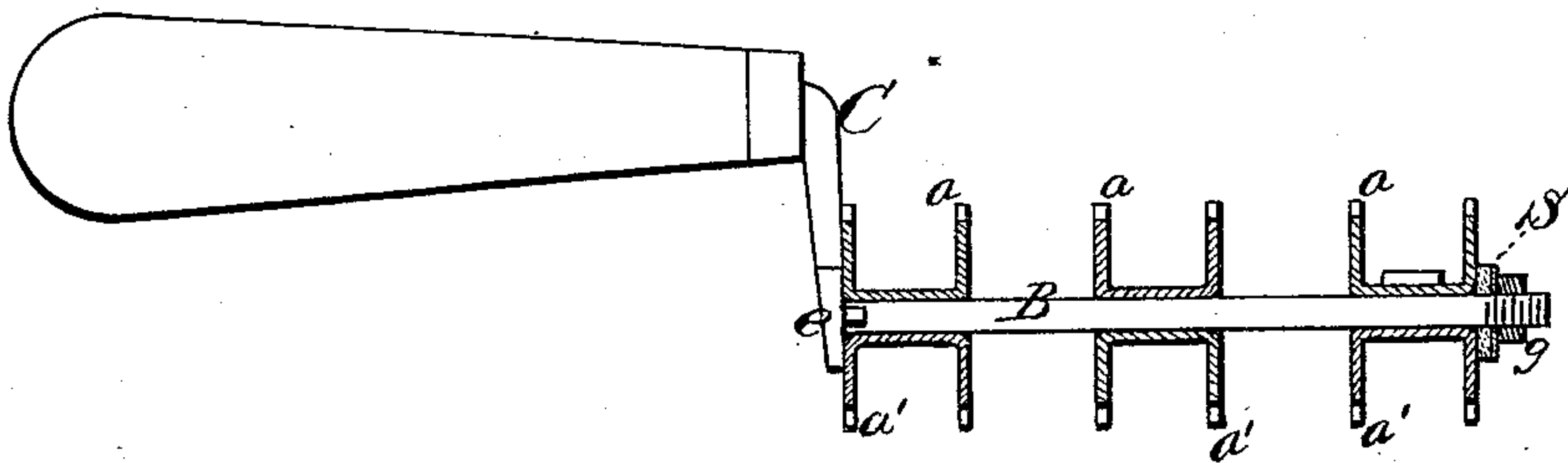


Fig. 7.

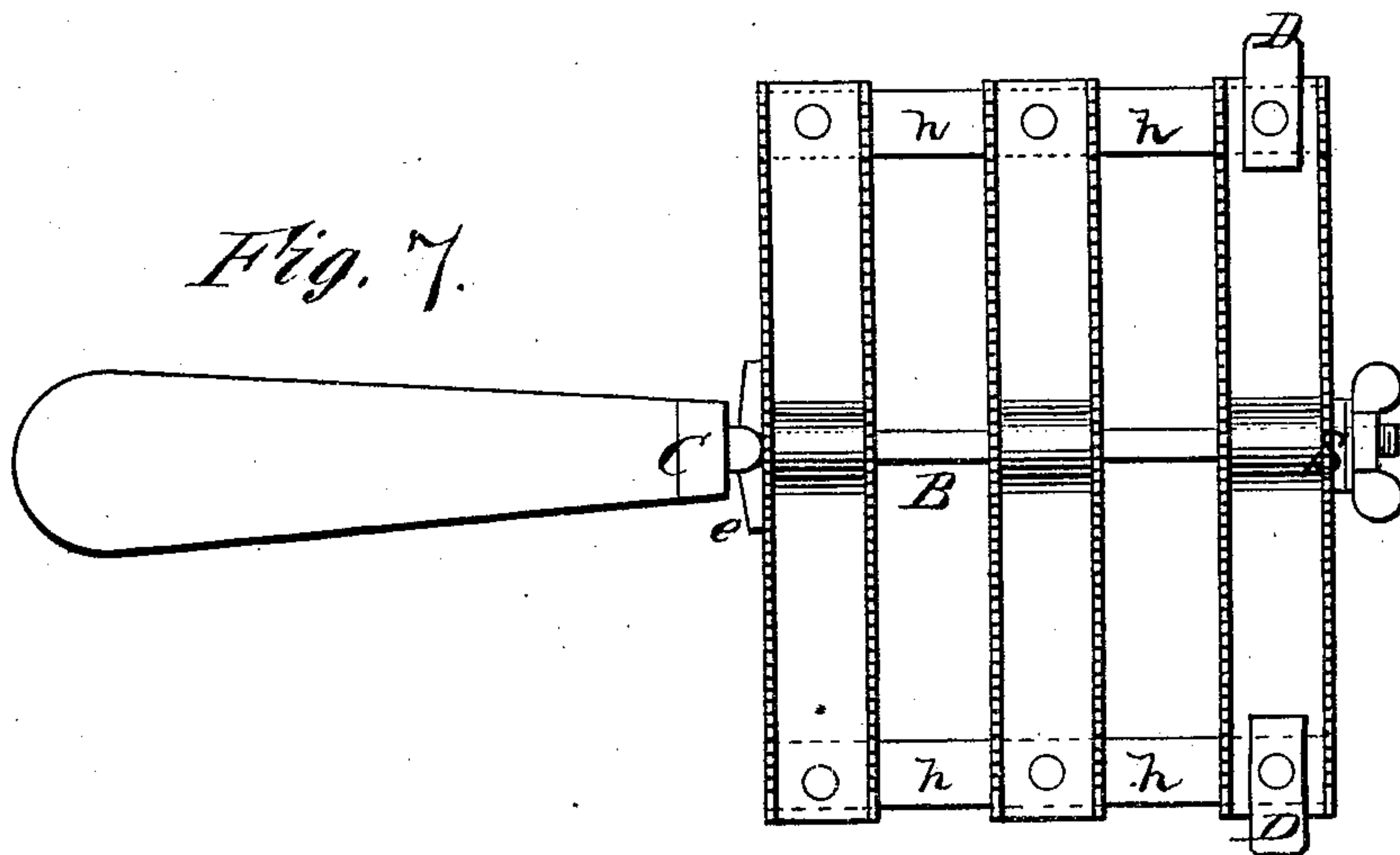
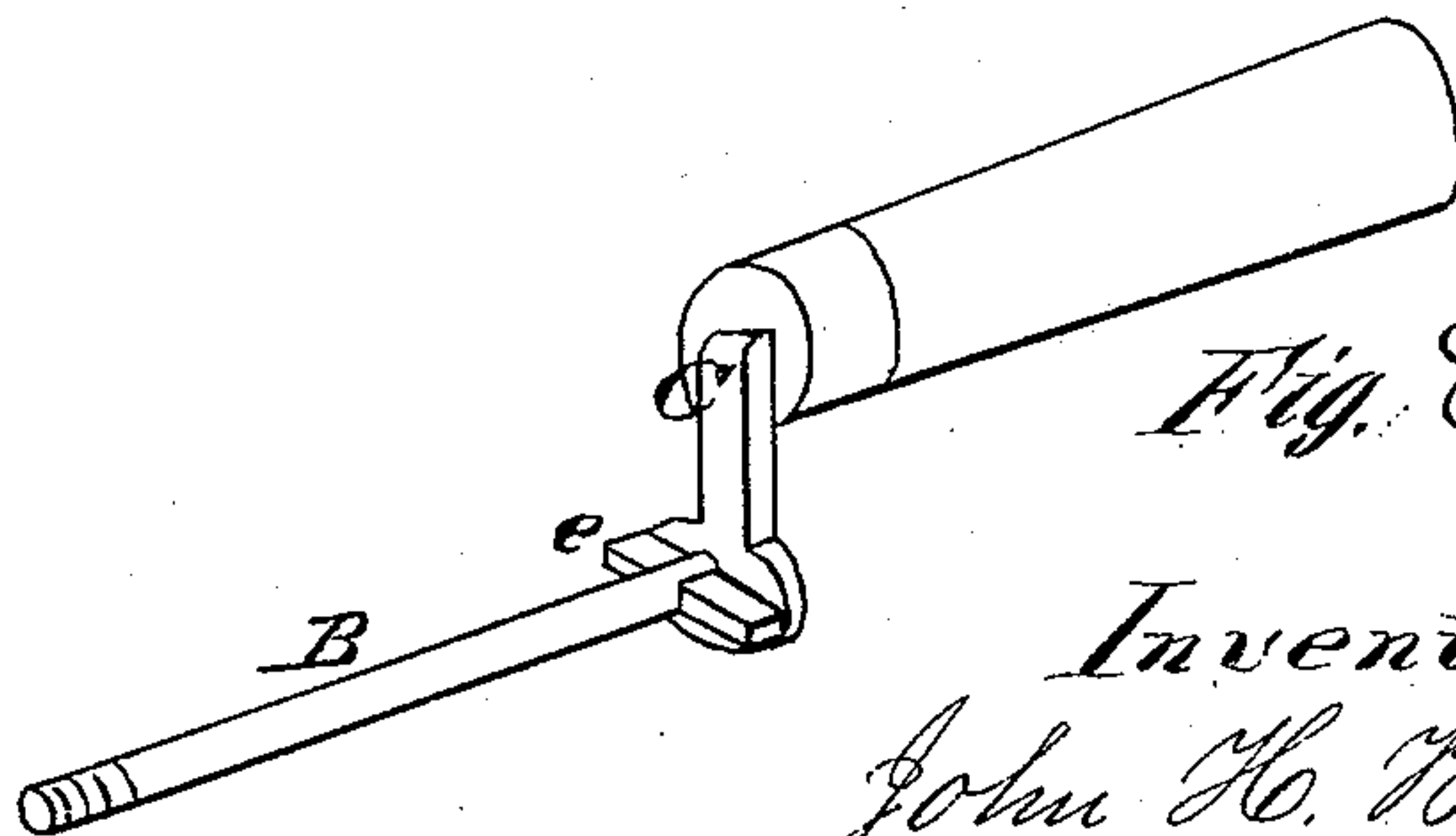


Fig. 8.



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UNITED STATES PATENT OFFICE.

JOHN H. BARRINGER, OF LINCOLN, NEBRASKA, ASSIGNOR TO M. J. CASSELL,
OF SAME PLACE.

IMPROVEMENT IN CURRY-COMBS.

Specification forming part of Letters Patent No. **162,455**, dated April 27, 1875; application filed
June 20, 1874.

To all whom it may concern:

Be it known that I, JOHN H. BARRINGER, of Lincoln, in the county of Lancaster and State of Nebraska, have invented a new and valuable Improvement in Curry-Combs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view, and Fig. 2 is a plan view, of my curry-comb. Fig. 3 is a sectional view, and Fig. 4 a plan view, of the same. Figs. 5, 6, 7 are detailed views, and Fig. 8 is a sectional view, of the same. Fig. 9 is a plan view, and Figs. 10 and 11 are detail views, of the same.

This invention has relation to curry-combs having toothed plates on both sides, so that fine or coarse teeth can be used at pleasure; and it consists in constructing upon the rear end of a round shank a shoulder, which is adapted to serve, in connection with a nut or spring on the front end of said shank, as a means of preventing the comb from casually rotating when properly adjusted for use.

In the annexed drawings, A A designate flat metal plates, of suitable length and width, which are stamped out of sheet metal, so as to form fine teeth *a* on one of their edges, and coarser teeth *a'* on their other edges. These comb-plates may have holes *b b'*, as shown in Fig. 5, through them, two of which, *b b'*, are designed for long rivet-rods *c c*, and the intermediate ones are designed to receive a round shank, B, on which the several plates composing the comb can be rotated. When the comb-plates A are secured in position they are separated and held at proper distances apart either by means of spacing-tubes *d d*, applied on the rivet-rods *c c*, as shown in Figs. 1 and 2, or by means of sheet-metal strips *d'* *d'*, as in Fig. 4, which latter completely close the spaces between the comb-plates, and pre-

vent the passage of dust between said plates while using the comb. When the plates A are secured as described they constitute a curry-comb, and are applied on the round shank B, one end of which has a crank-handle, C, secured to it, and is constructed with a tenon or shoulder, *e*. When the curry-comb is applied on its shank B, and set up against the crank C by means of a thumb-nut, *g*, the tenon *e* will enter a hole in one of the comb-plates, and prevent the comb from turning. By simply loosening the nut *g* the comb can be turned around the shank B, and the fine or coarse teeth brought into position for use. D D, Fig. 4, designate two metal pieces, which may be riveted to the comb, designed for use as knockers, to prevent battering the comb while beating the dust out of it. Figs. 6 and 7 show comb-plates of U shape, secured together back to back, and riveted to rigid strips *h h*. The hole to receive the shank B may be formed by crimping or grooving the comb-plates, as shown at *n*, Fig. 4. S designates a spring, of metal or rubber, which may be placed between the outer end of the comb and the nut *g*, for the purpose of allowing the comb to be detached from its shoulder or tenon *e*, and turned on its shank B without unscrewing the nut *g*.

In practice, the nut may be omitted when the spring S is used, and the end of the shank riveted.

What I claim as new, and desire to secure by Letters Patent, is—

In a curry-comb, the combination of the shouldered shank B, the series of comb-plates, the inner one being recessed for the reception of the shoulder *e* of shank B, and nut *g*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN HENRY BARRINGER.

Witnesses:

J. N. CASSELL,

JAMES F. LANSING.