

(Model.)

W. C. SEATON.

WICK TRIMMER.

No. 272,338.

Patented Feb. 13, 1883.

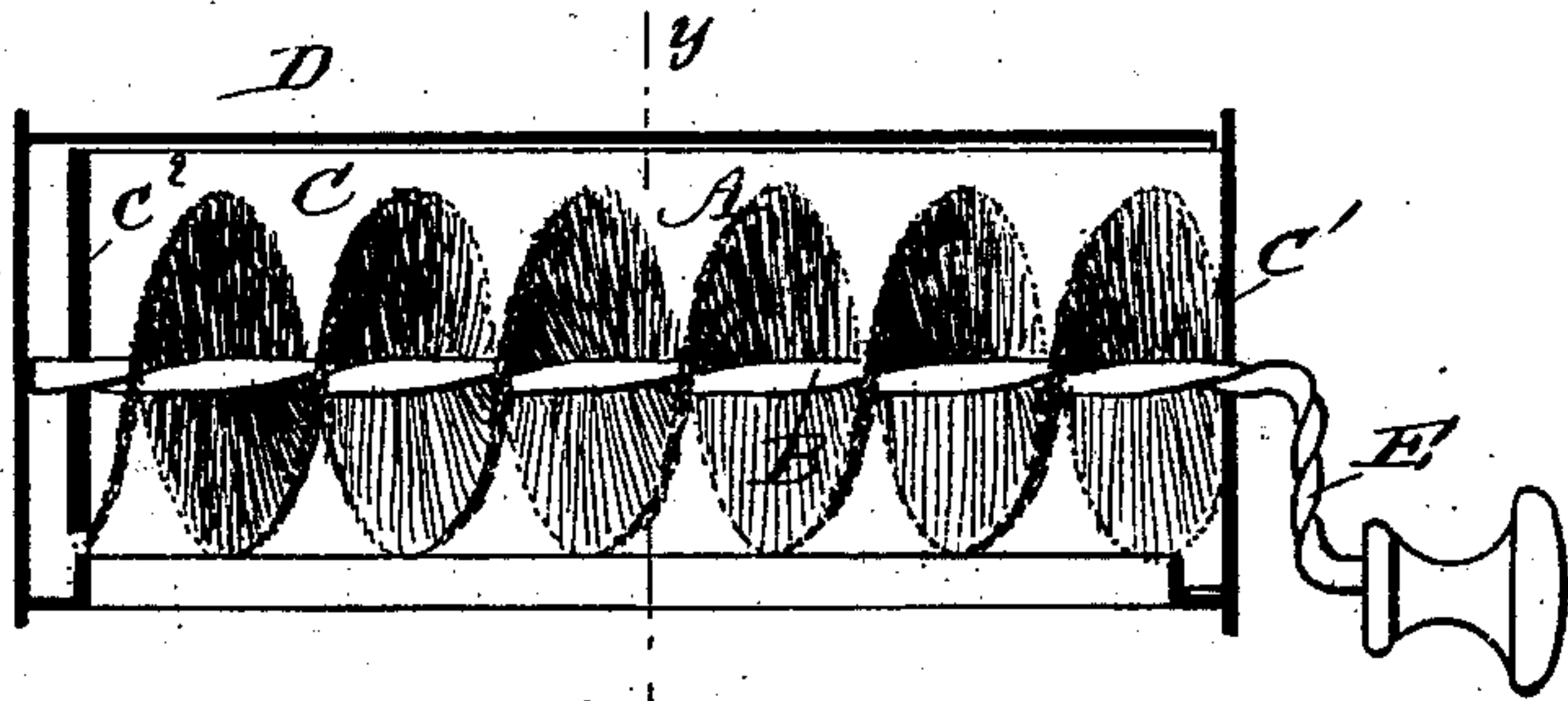


Fig. 1

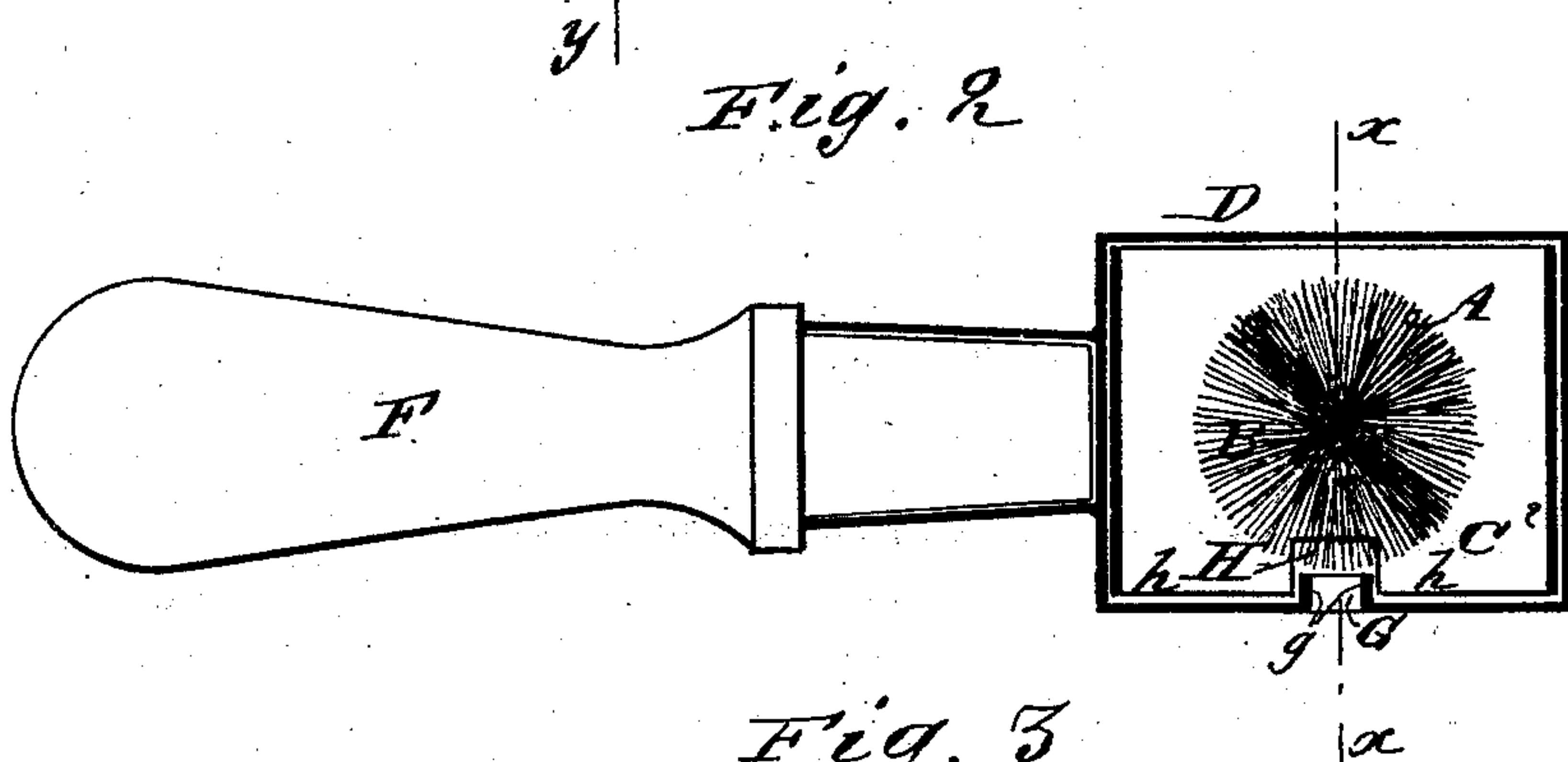


Fig. 2

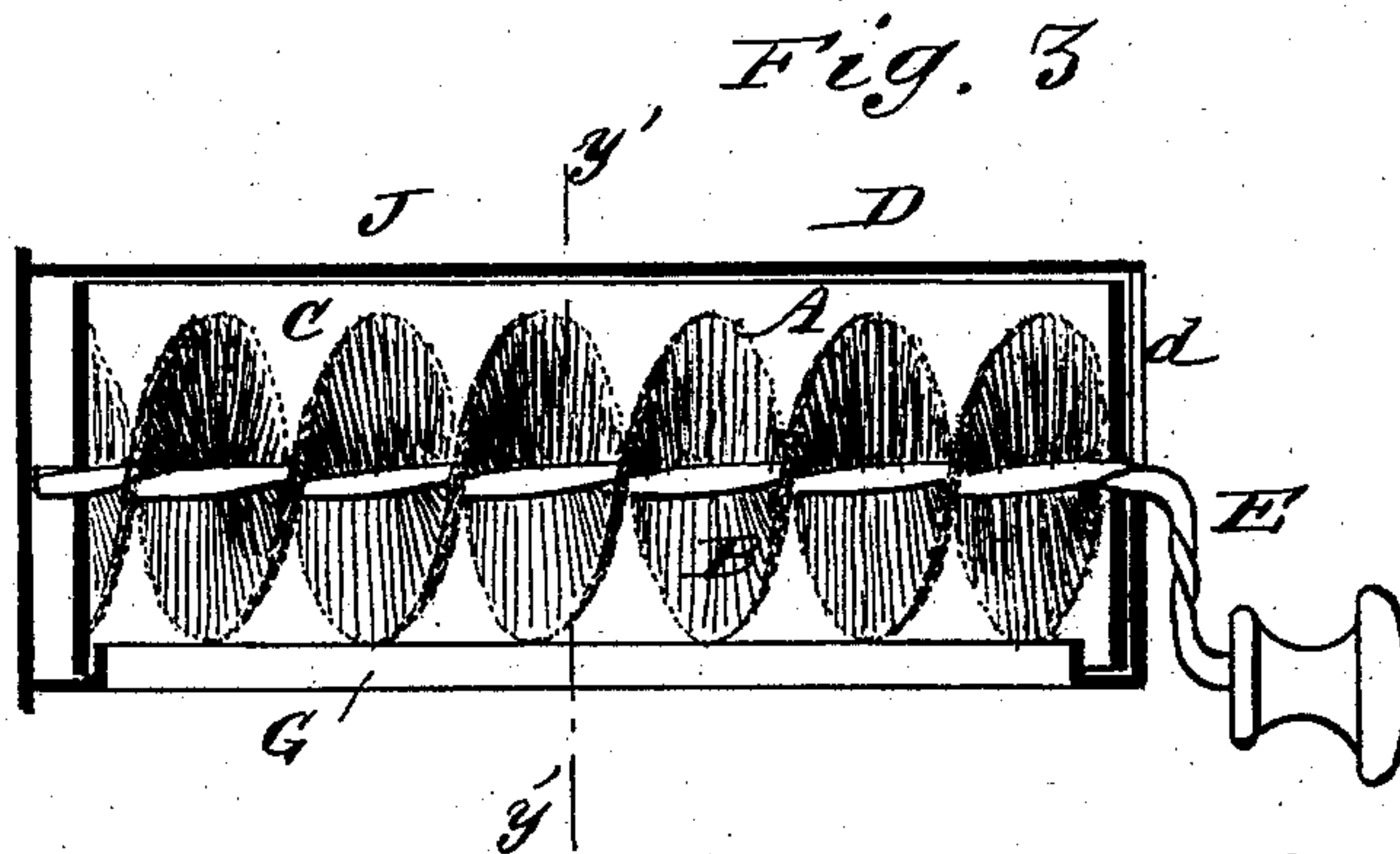


Fig. 3

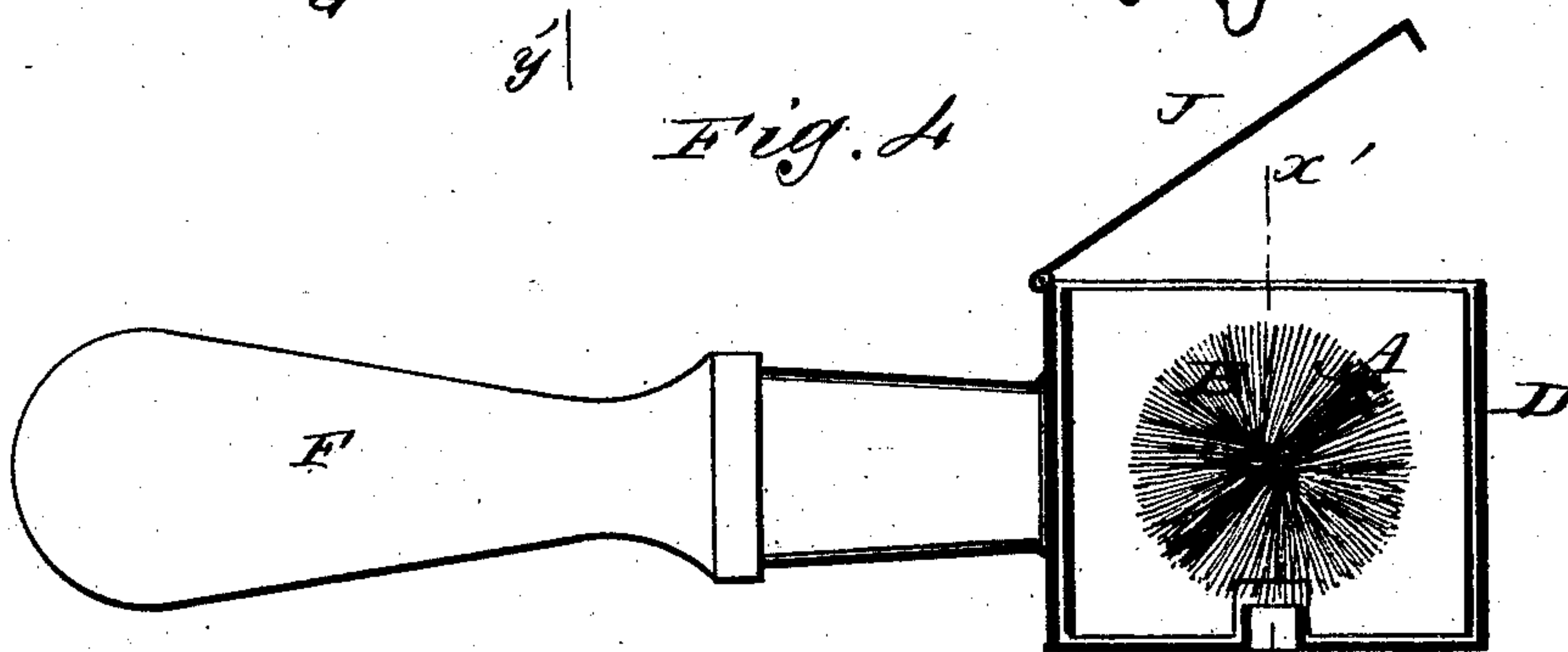


Fig. 4

WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM C. SEATON, OF QUEBEC, QUEBEC, CANADA.

WICK-TRIMMER.

SPECIFICATION forming part of Letters Patent No. 272,338, dated February 13, 1883.

Application filed June 23, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM C. SEATON, of Quebec, Canada, have invented a new and Improved Wick-Trimmer, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved device for facilitating the removal of the carbonized parts from a lamp-wick.

The invention consists of a box having a longitudinal slot, with its edges turned up in its bottom, a removable frame, and a rotary brush journaled in the latter longitudinally, and of a box having a longitudinal slot with its edges turned up in its bottom, a removable frame provided with a recess in the bottom edge of an inner end piece, and a rotary brush journaled in the frame longitudinally, substantially as and for the purpose set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of my improved wick-trimmer on the line *xx*, Fig. 2. Fig. 2 is a cross-sectional elevation of the same on the line *yy*, Fig. 1. Fig. 3 is a longitudinal sectional elevation of a modification of the same on the line *xx*, Fig. 4. Fig. 4 is a cross-sectional elevation of the same on the line *y'y'*, Fig. 3.

A spiral or cylindrical brush, A, is mounted on a shaft, B, which is journaled centrally in a longitudinal frame, C, which can be passed endwise into a box, D, one end piece, C', of the frame C forming the end of the box D when the frame C is in the box. The shaft B is provided with a suitable crank-handle, E, for turning it, and the box D is provided with a handle, F, for holding it in the desired position. The box D is provided in its bottom with a longitudinal central slot, G, having its edges turned up for the purpose of supporting the wick and preventing the refuse from falling through the slot. The inner end piece, C², of the frame C is provided in its bottom edge with a recess or notch H, through which the raised edges of the slot G pass when the frame C is withdrawn. The prongs *h* at the sides of the recess form scrapers, which draw all the refuse out of the bottom of the box D when the frame C is withdrawn.

In the modification shown in Figs. 3 and 4 the ends of the box D are closed, and the top J is hinged, so that the frame C can be introduced from above, the box D being provided in its end with a vertical slot, *d*, to allow the shaft B to come in place, as shown in Fig. 3. Otherwise the construction is as described.

The operation is as follows: The above-described wick-trimmer is held over the wick-tube of a lamp-burner in such a manner that the carbonized end of the wick can be passed into the slot G. The brush A is first turned in one direction and then in the reverse direction, whereby the carbonized parts of the wick will be swept from the wick and into the bottom of the box D at the sides of the slot G. By withdrawing the frame C, the refuse in the box D is scraped out; or the frame C can be removed, and the box D can be inverted to remove the refuse, and the brush and frame C cleaned.

By means of the above-described device a wick can be trimmed and cleaned very easily and rapidly without in any way soiling the lamp or the person performing the operation.

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

1. In a wick-trimmer, the combination, with the box having a longitudinal slot, G, with the edges turned up in its bottom, of the removable frame C and the rotary brush A, journaled therein longitudinally, substantially as herein shown and described, and for the purpose set forth.

2. In a wick-trimmer, the combination, with the box D, having a longitudinal slot, G, with its edges turned up in its bottom, of the removable frame C, provided with a recess, H, in the bottom edge of its inner end piece, C², and the rotary brush A, journaled in the frame C longitudinally, substantially as herein shown and described, and for the purpose set forth.

WILLIAM C. SEATON.

Witnesses:

J. B. PARKIN,
Of Quebec, Notary Public.
THO. J. OLIVER,
Of Quebec, Advocate.