

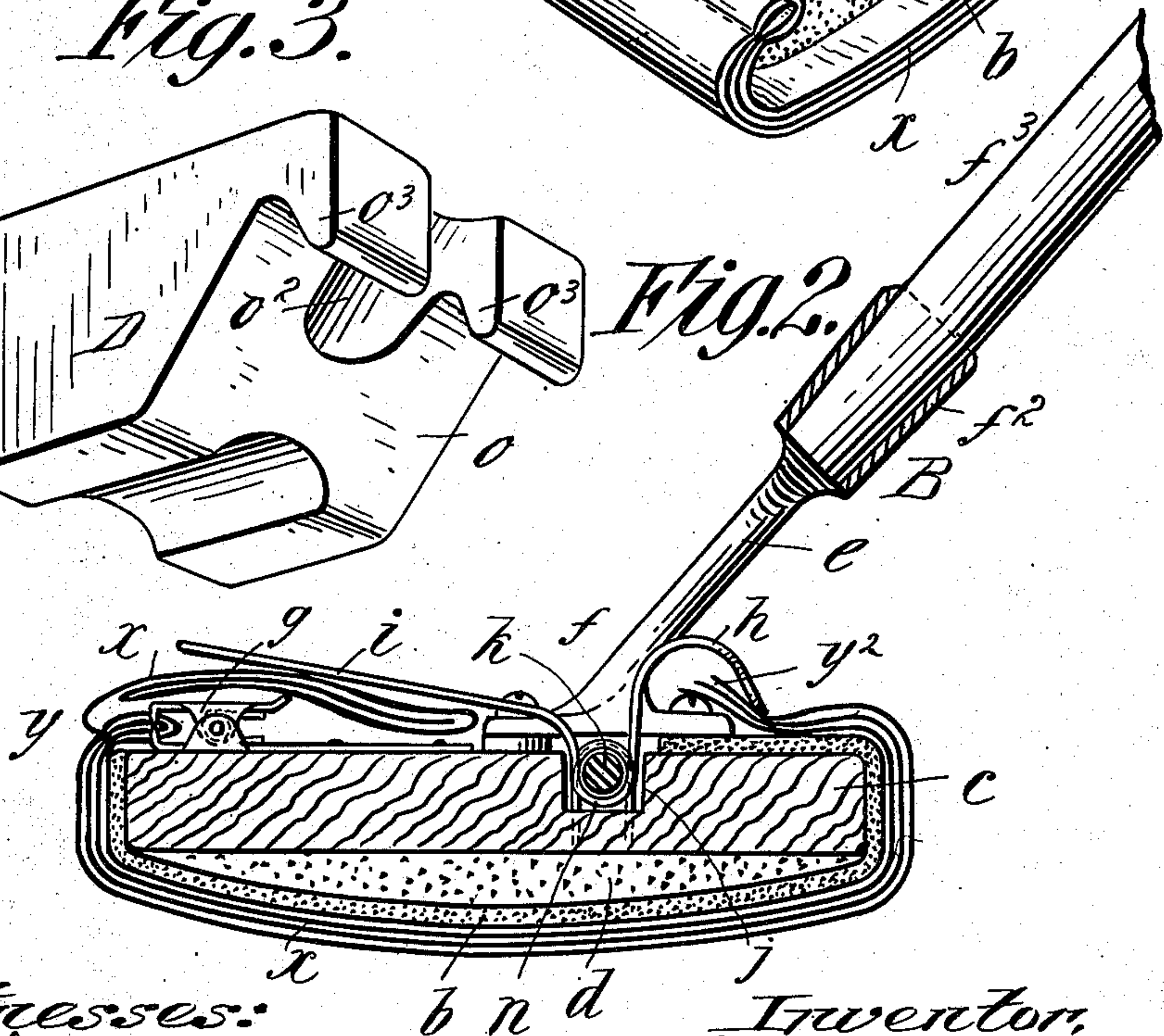
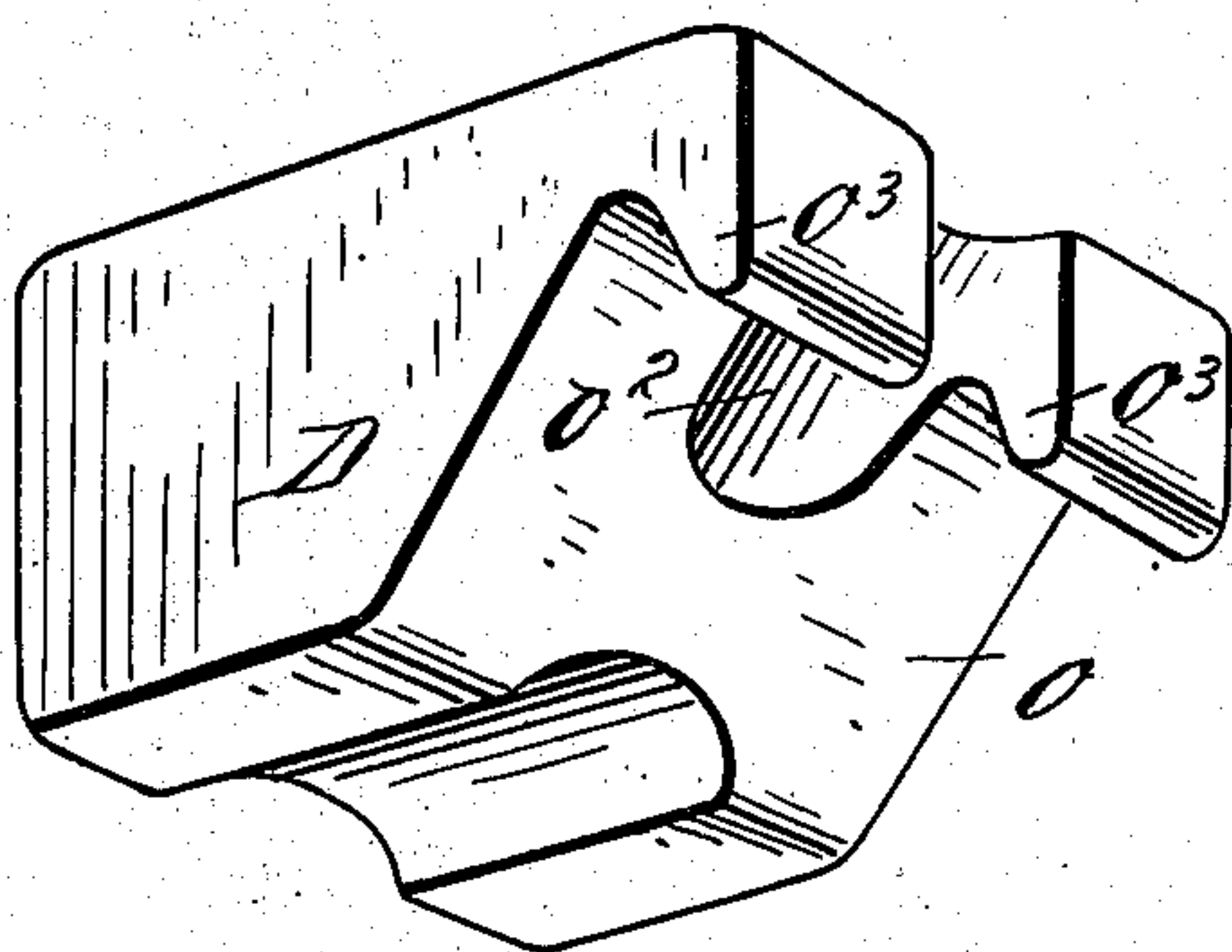
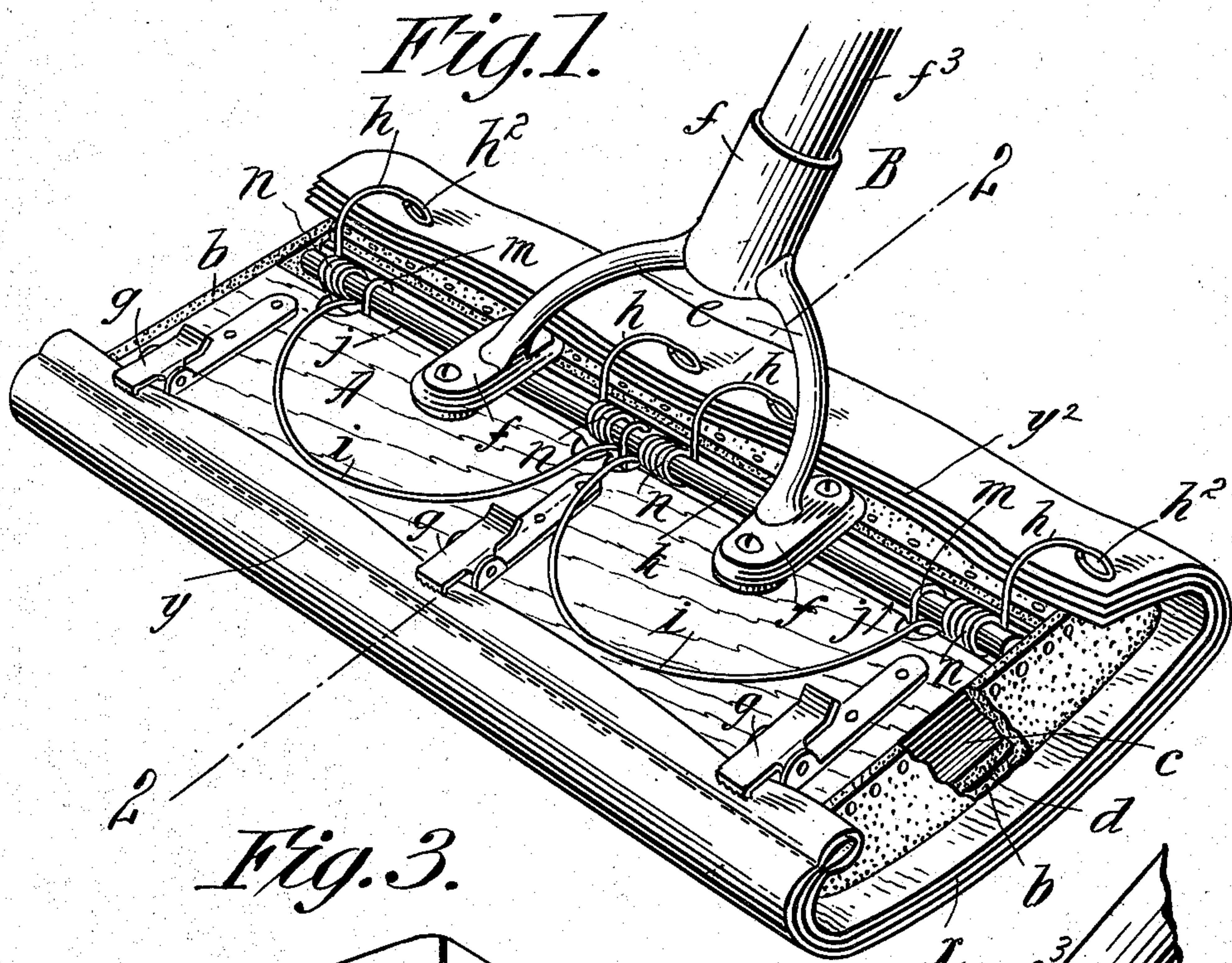
No. 866,897.

PATENTED SEPT. 24, 1907.

J. P. WILLEY.
DUSTING AND POLISHING DEVICE.

APPLICATION FILED NOV. 24, 1906.

2 SHEETS—SHEET 1.



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No. 866,897.

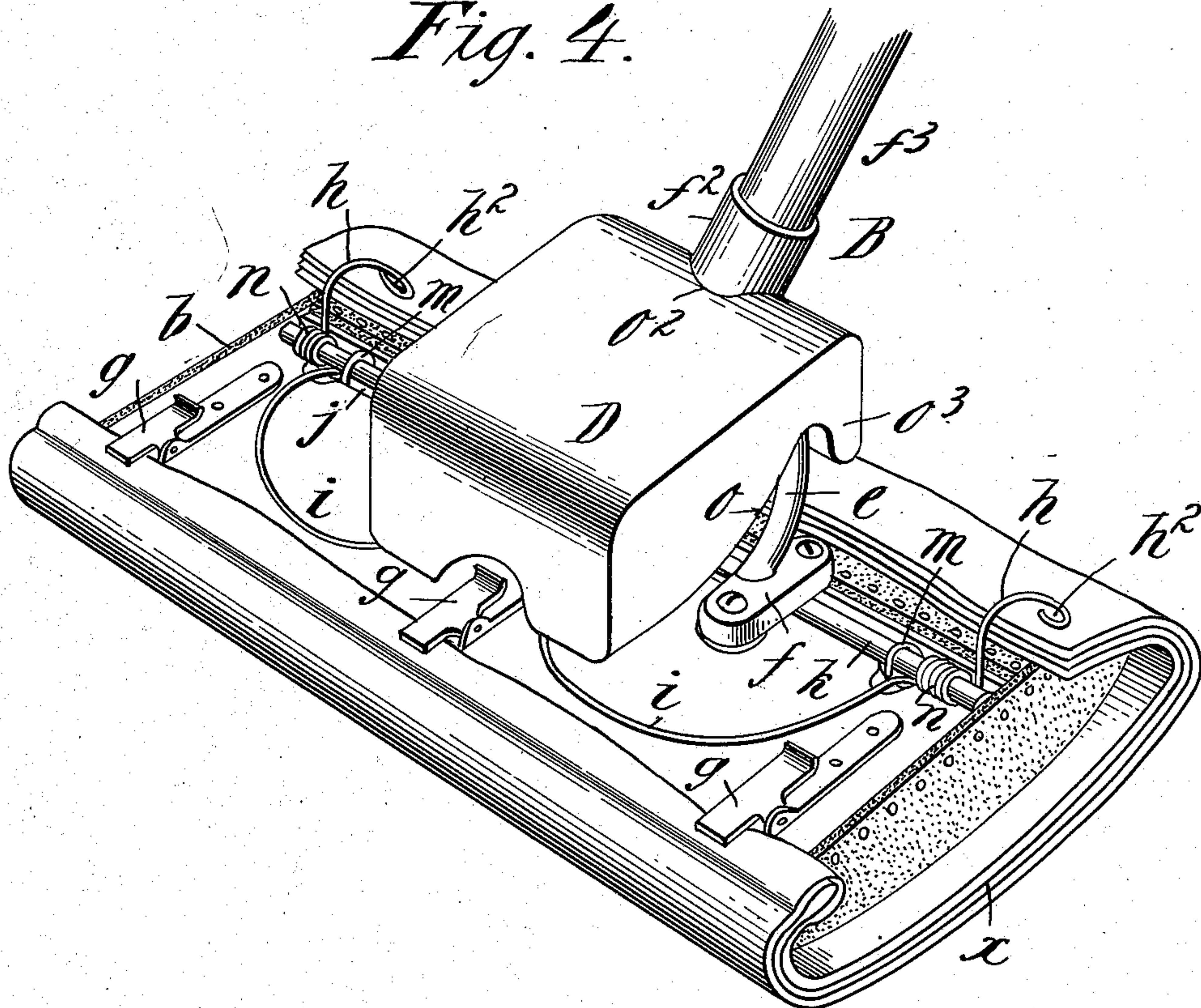
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2 SHEETS—SHEET 2.

Fig. 4.



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DUSTING AND POLISHING DEVICE.

No. 866,897.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed November 24, 1906. Serial No. 344,951.

To all whom it may concern:

Be it known that I, JOHN P. WILLEY, a citizen of the United States of America, and a resident of Springfield, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Dusting and Polishing Devices, of which the following is a full, clear, and exact description.

This invention relates to an improved device for cleaning, dusting and polishing, the same being especially adaptable for dusting and cleaning walls, cleaning and polishing hardwood floors and windows, and furniture, removing lint and like particles from carpets, and for other uses.

The improved device is hereinafter fully described in conjunction with the accompanying drawings, and the novel components thereof are set forth in the claims.

In the drawings,—Figure 1 is a perspective view of the cleaning or dusting and polishing device as equipped for use. Fig. 2 is a cross sectional view transversely of the device on line 2—2, Fig. 1,—one thickness or layer of the cleaning or polishing material being separated from the other layers and folded over and retained on the top of the holder. Fig. 3 is a perspective view of a weight block, to be occasionally employed as a part of the device. Fig. 4 is a perspective view similar to Fig. 1, but showing the weight block as in place on the device.

Similar characters of reference indicate corresponding parts in all of the views.

In the drawings,—A represents a holder for one or several layers x of flexible cleaning or polishing material, which may be of any substance or character having fitness to the purpose, such as cloth, felt, chamois skin or paper, said holder being constituted by a rectangular board, considerably longer than wide, having a bottom and opposite edge inclosing covering b of cloth or felt and having padding d to impart to the bottom of the body a convex formation.

The holder has a handle B which in the example thereof shown, has a lower arch shaped metallic portion e constructed with attachment feet f which rest on and are screwed to the top of the body A. The said arch shaped metallic portion is arranged obliquely to the top surface of the body A and has a socket f^2 receiving with a tight fit therein the lower extremity of the stale f^3 . This holder is provided with three sets of clips, spring fingers or attachment devices for securing portions of the cloth or like material employed as the renewable cleaning or polishing medium with which the holder is, or may be, equipped. One set in the form of clasps g are arranged on the top of the holder along one longitudinal edge thereof, and another set of retainers h are arranged on the opposite

marginal portion of the holder, while a third set i are arranged between the longitudinal edges of the body.

As indicated in the drawings, the medium for polishing or cleaning, or both, is comprised in a plurality of superposed layers x united by stitching y , longitudinally, leaving their edge portions y^2 free. These layers are wrapped around the bottom and overlap on the upper marginal portions of the holder and are firmly though detachably held by the confining devices g and h .

After use of the outer layer arranged as represented in Fig. 1, say, for dusting or cleaning, and it is then desired to use the implement for polishing, the outer layer is released at its free edge from under the several confining fingers, rolled or folded on itself and carried over the confining clasps g and engaged under the confining devices i , as represented in Fig. 2, whereupon a fresh and clean layer of suitable material is exposed and available for the further utilization.

In detail the board c comprised in the holder has a longitudinally extending slot j formed in its upper portion at a suitable distance from its rear edge, and a rod k of comparatively small diameter is sunk within said slot and embraced and confined by staples m , the prongs of which penetrate and engage in the board f . Two sets of appliances each comprising a confining member i and a pair of confining members h are engaged with and held to their operative positions by the said rod k ; and each of these appliances is formed of a single length of spring wire having its intermediate portion bowed or looped to form the confining member i having relatively outer portions thereof formed into axially aligned spring coils n encircling suitably separated portions of the rod k , while the end portions of said length of wire are bent into the arched confining fingers h . The wires at their ends are preferably formed into eyes h^2 for acquiring a good character of bearing by the spring fingers h against the fabric.

D represents a weight block having a beveled rear side o to correspond with the obliquity of the portion e of the handle, having a recess o^2 in which may be accommodated a side portion of the socket piece f^2 , and having opposite hook members o^3 to engage the portions of the arched frame like bottom of the handle at either side of such socket piece. This weight block is to be used at times when the cleaning or polishing device is to be moved over and upon a horizontal surface under considerable pressure; but, of course, at such times as the weight would not desirably be used it will be disengaged from the device and laid aside.

I claim:—

1. In a device of the character described, a holder, provided with a handle, and having confining devices at its top near the opposite longitudinal edges thereof, for de-

5 detachably holding a cleaning or polishing fabric or material adapted to inclose the bottom and opposite edgewise portions of said holder, and an additional confining device at the top of the holder located inwardly from one longitudinal edge of the holder for detachably confining an already used and overturned layer of the said material.

10 2. In a device of the character described, a holder comprising a fabric carrying holder provided with a handle arranged obliquely to the top of said holder and having a lower arch shaped part with attachment feet secured to the body, and a weight block, adapted to rest on the said holder, having a handle accommodating recess in its back and opposite hook members to engage said arch shaped part.

15 3. In a device of the character described, a holder comprising a body, provided with a handle connected therewith and extended obliquely therefrom, and said body having a rod supported thereon, a single length of spring wire having its intermediate portion bowed or looped, having 20 outer portions thereof formed into axially aligned coils engaging about said rod, and having its end portions formed into confining fingers opposite from said intermediate bowed portion, operable to exert a spring bearing at the upper portion of the body, near one longitudinal edge thereof, while said bowed portion exerts a spring bearing 25 against the top of the body to the side of the rod opposite said fingers, and at a point inwardly from the other longitudinal edge thereof, and spring fingers on the top of the body at different points adjacent the latter longitudinal 30 edge thereof, and outside of said bowed spring portion.

4. In a device of the character described, a holder comprising a body, having a handle, and having at opposite longitudinal edge portions of such body spring cloth confining devices, and having spring confining devices at its upper side along a line inside of and parallel with one of its longitudinal edges and arranged to have,—when it is opened,—the space between it and the top of the body open towards such longitudinal edge. 35

5. In a device of the character described, a holder comprising a body, having a handle connected therewith and extended upwardly therefrom, a longitudinally extending slot in the top, a rod in said slot, and staples embracing the rod and having its prongs engaged in the body, a pair of spring appliances at opposite sides of the handle, each thereof consisting of a single length of spring wire having 40 its intermediate portion bowed or looped, having outer portions thereof formed into axially aligned coils engaging about said rod, and having its end portions formed into confining fingers opposite from said intermediate bowed portion, operable to exert a spring bearing at the upper 45 marginal portion of the body, while said bowed portion exerts a spring bearing against the top of the body to the side of the rod opposite said fingers. 50

Signed by me at Springfield, Mass., in presence of two subscribing witnesses.

JOHN P. WILLEY.

Witnesses:

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G. R. DRISCOLL.