

W. Osborn.
Pressing

No. 15,570.

Patented Aug 19 1856.

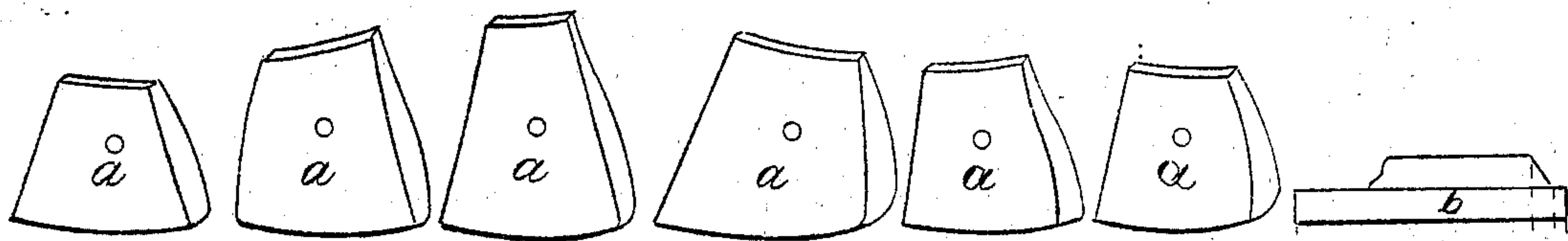


Fig. 1

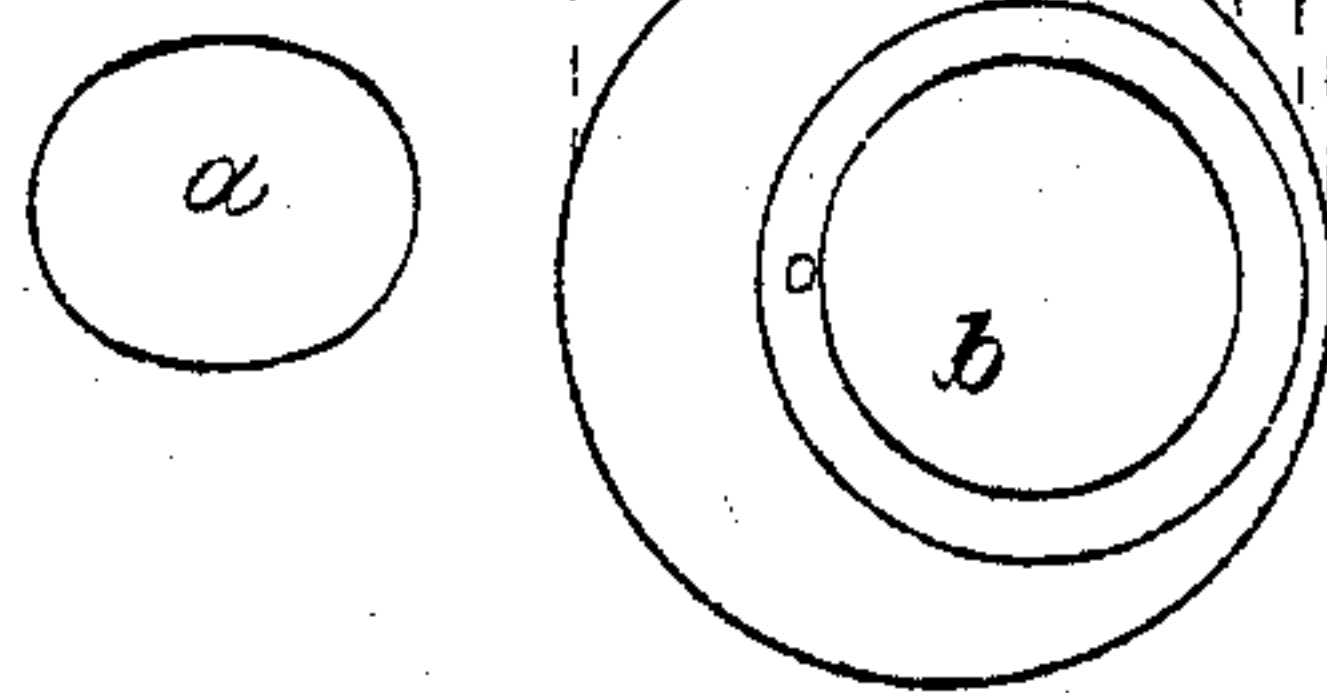
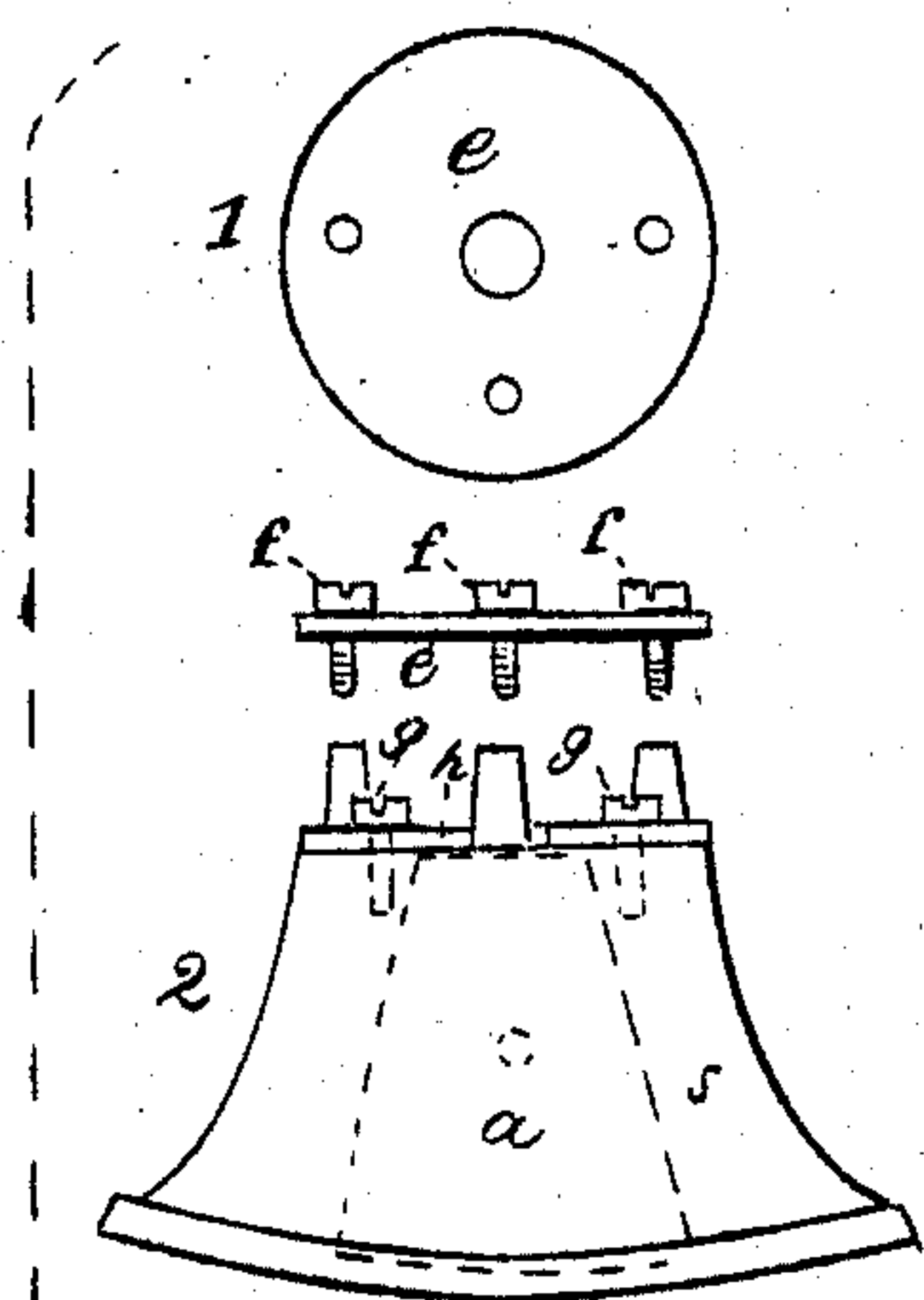


Fig. 2

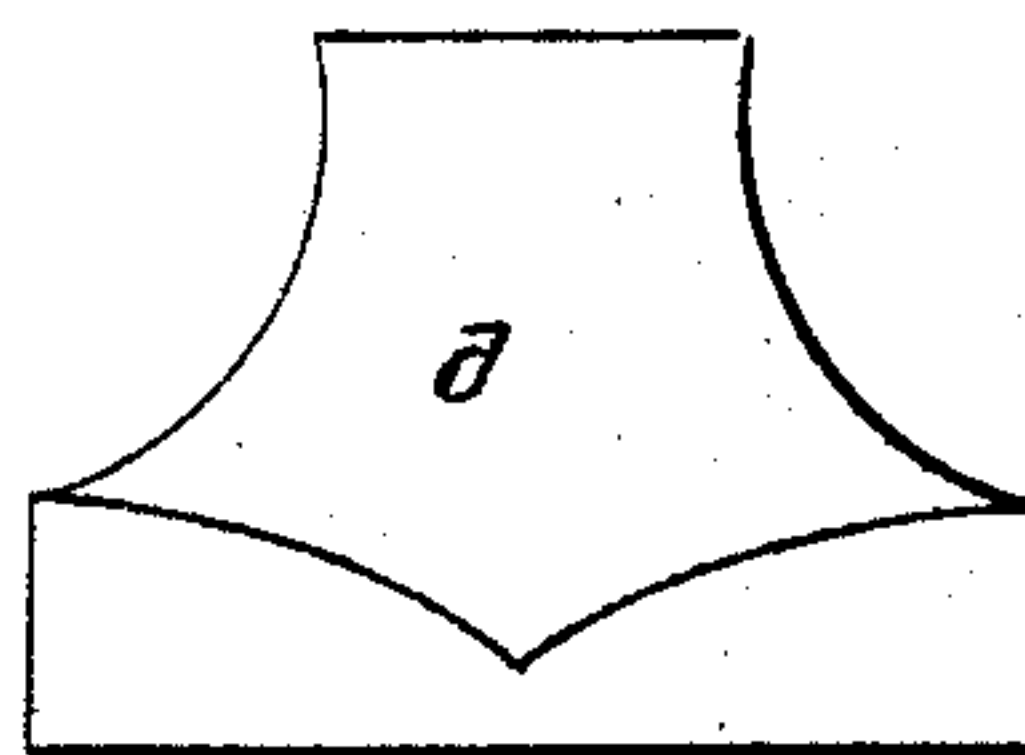
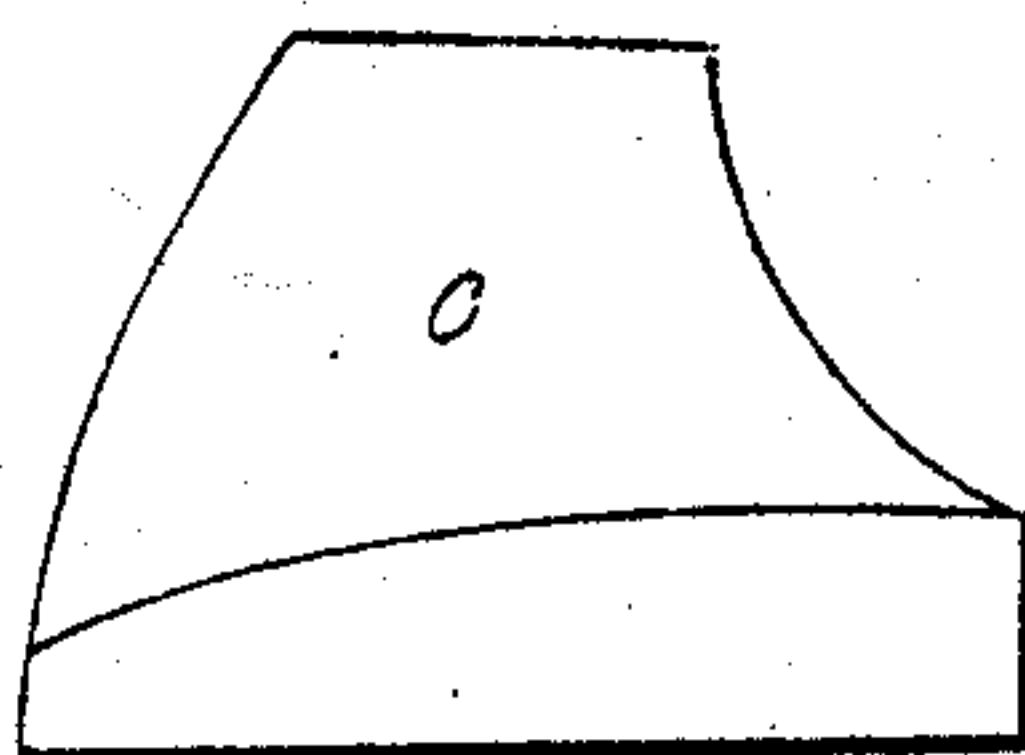
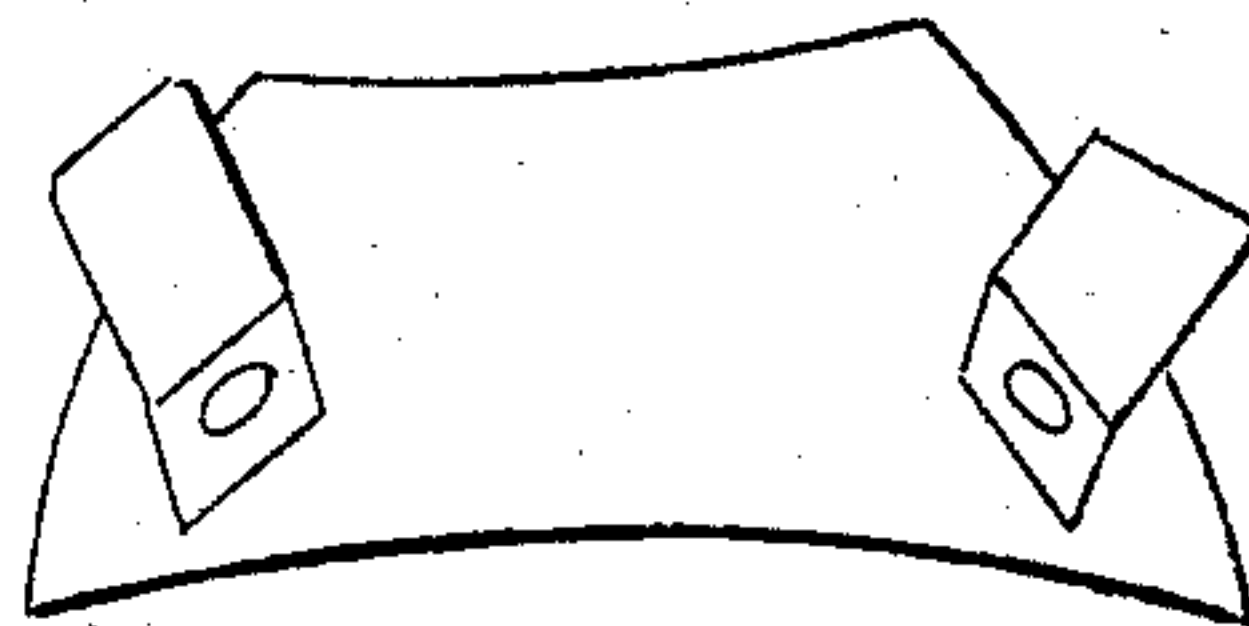


Fig. 1



Wm Osborn

Witness.

Lemuel W. Lowell

Thomas G. Harold

Fig. 3

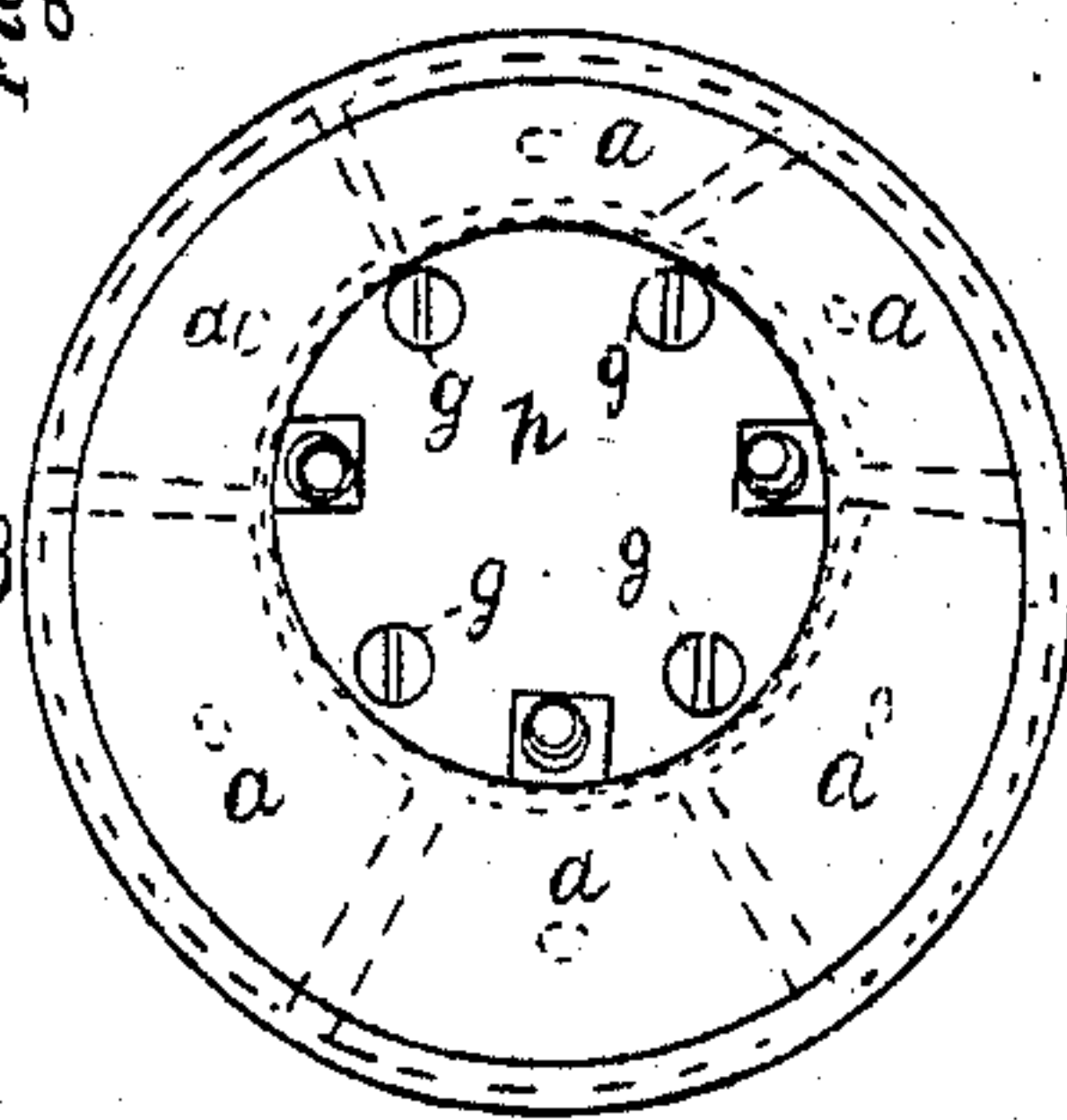


Fig. 5

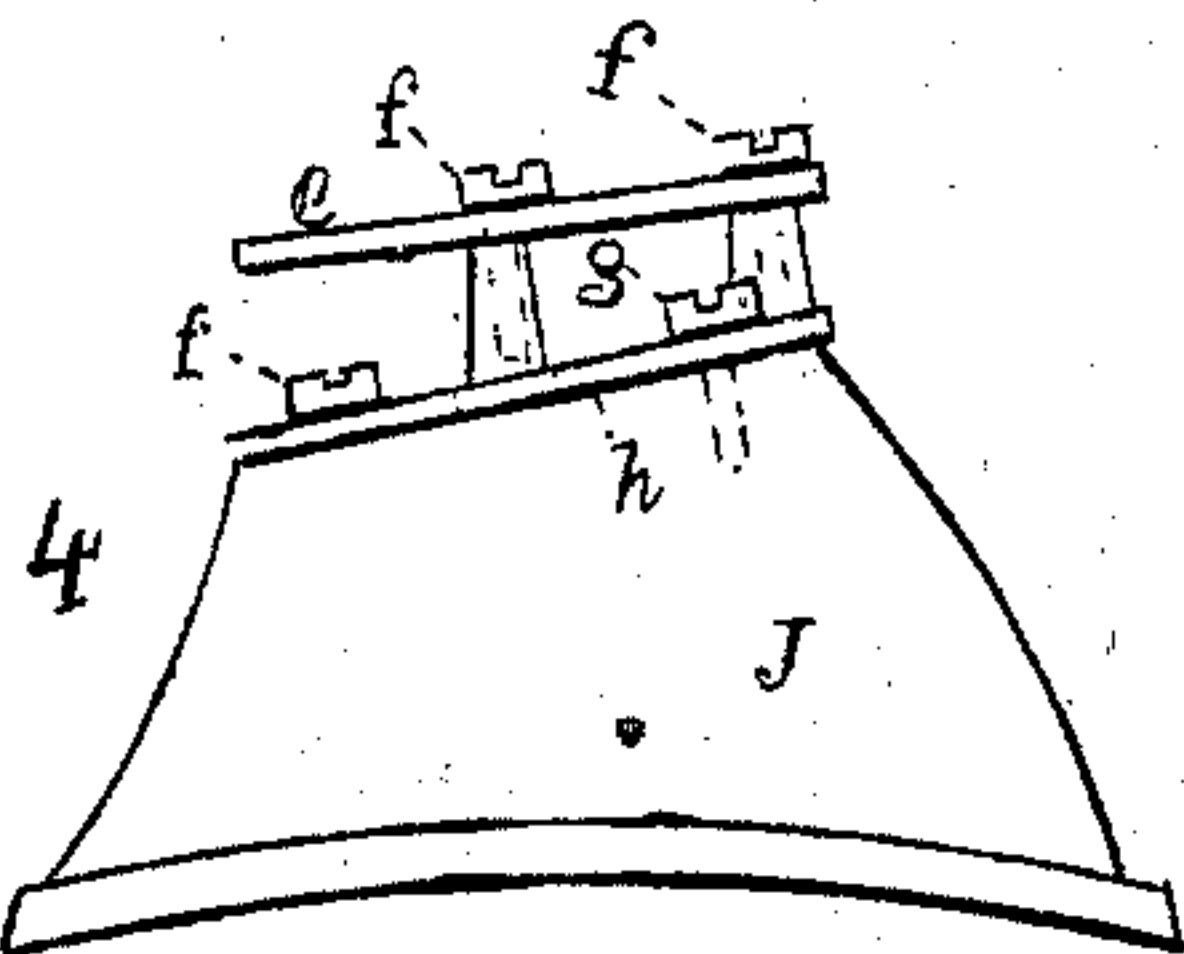
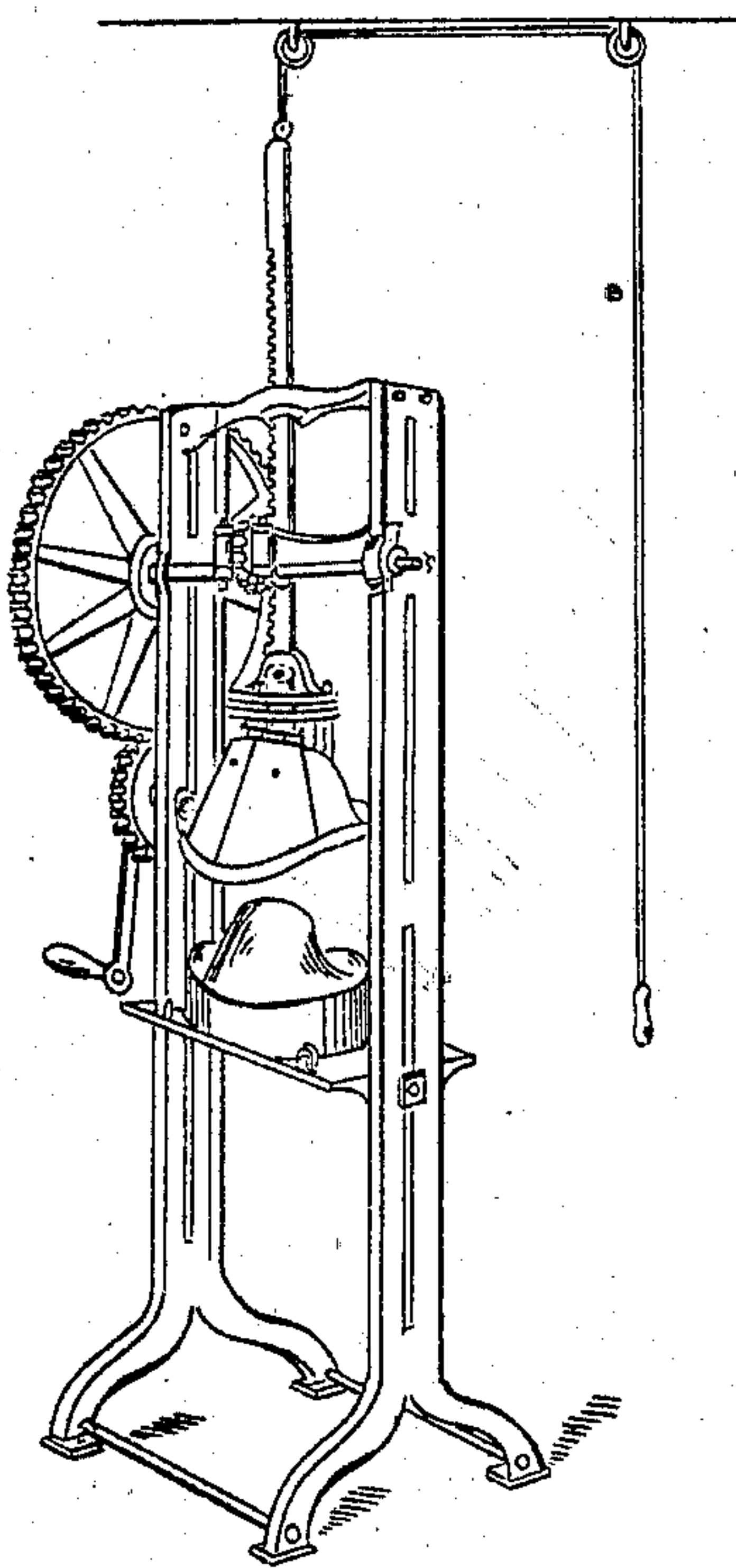


Fig. 7

UNITED STATES PATENT OFFICE.

WM. OSBORN, OF LOUISVILLE, KENTUCKY.

MACHINE FOR PRESSING BONNETS AND BONNET-FRAMES.

Specification forming part of Letters Patent No. 15,570, dated August 19, 1856; Reissued February 17, 1857, No. 427.

To all whom it may concern:

Be it known that I, WILLIAM OSBORN, of the city of Louisville, county of Jefferson, and State of Kentucky, have invented a new and useful Machine for Pressing all Kinds of Bonnets and Making and Pressing Buckram Frames for Bonnets; 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, in which—

Figure 5 is a perspective view of the whole machine.

Fig. 1, *a a a a a a*, are heaters all around the sides of the upper die. The small heater *a'* is the one that goes on the top of the upper die, to heat the tip of the upper dye. *b b* is the heater for block or lower die.

Fig. 2, letters *c d*, is the front and side view of block or lower die.

Fig. 3, No. 1, letter *e*, is a round iron plate attached by screws *f, f, f*, to lugs on top of No. 2, letter *J*. Plate No. 1, *e*, has a bolt through the center, and attached by said bolt through the center of the plate at the lower end of the rack shaft; there are four screws through the plate attached to the lower end of the rack shaft to adjust upper die or letter *J*.

Fig. 3, No. 2, letter *h*, on the top of *J*, is a plate attached by screws *g, g, g*, on the top of *I*, to form the tip inside the upper die to press the tip of bonnet. No. 3, *h*, is a top view of *I*, with heaters. No. 4 is a side view of front and back of upper die *I*.

Fig. 4 is the case which covers the heaters of upper die or letter *I*.

The machine of which the above are the specifications by change of dies will press all kinds of bonnets and bonnet frames of every size and shape. The block or lever die may be made of marble or any soft metal that will not rust from the acid which may be in the bonnets, nor discolor them. The upper die may be made of cast iron or other hard metal so arranged with a rim or flange around the lower edge as to hold heaters all around it to make it hot enough to press

bonnets or bonnet frames, the same dies doing for both. The lower block or die stands upright on an iron bed plate, and is secured by screws to keep it in place. The bonnet or bonnet frame is put upon the lower die, and the upper die is lowered on it by the crank, and it is pressed by one impression, or in other words it is pressed all over at the same time. The bonnet frame can be made either with the frame and side crown in one piece or in two pieces; if in two pieces they are both made at once, and stuck together at the side and top at one impression.

On the block or lower die, there are two small steel pins about a quarter of an inch in length made fast to said block. The pins have sharp points, and stand upright in the lower die. When the bonnet frame is put on the lower die the pins stick through the corners of the frame, and hold the front in place until the tip and side crown are put on the lower die. The upper die is lowered by means of the crank, (which upper die has two holes in it to receive the pins on the lower die) and at one impression the frame is made. The result is the same, whether the front or side crown is in one or two pieces. It makes no difference with the machine; it works as well in the one case as in the other.

I do not claim any of the separate parts herein set forth, neither do I claim pressing or forming a separate flaring face piece or a separate crown piece for bonnets or for bonnet frames, but

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

Forming the flaring face piece and side crown of a bonnet or bonnet frame in one piece, and at one operation, substantially in the manner herein set forth and irrespective of the particular form of the bonnet or frame.

WILLIAM OSBORN.

Witnesses:

A. HARRIS,
W. T. HAGGIN.