

(No Model.)

F. J. MOYER & C. A. HOAG.

MOLD FOR FORMING PLASTIC OR COMPOSITION TARGETS.

No. 360,899.

Patented Apr. 12, 1887.

Fig. 1.

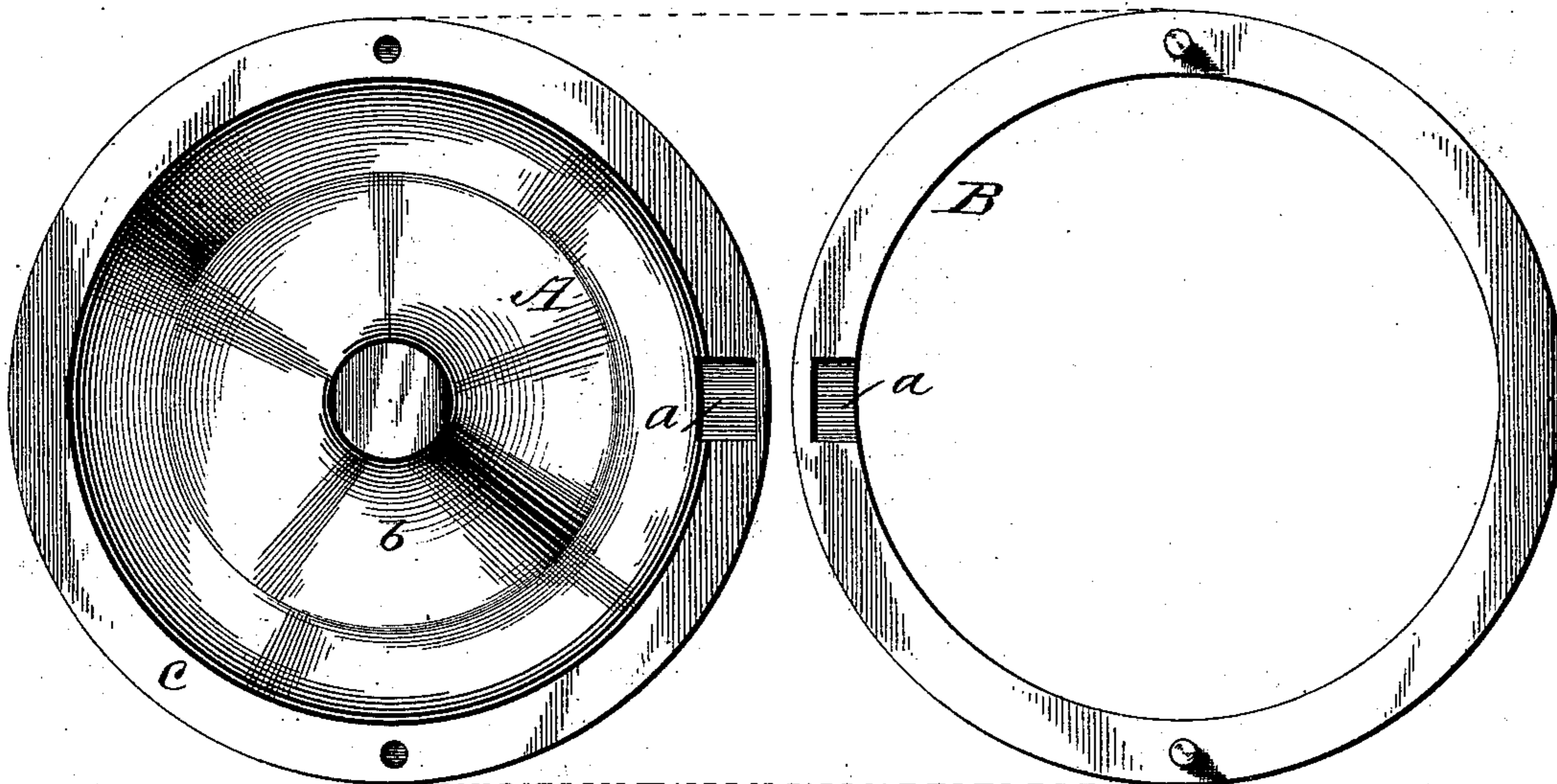
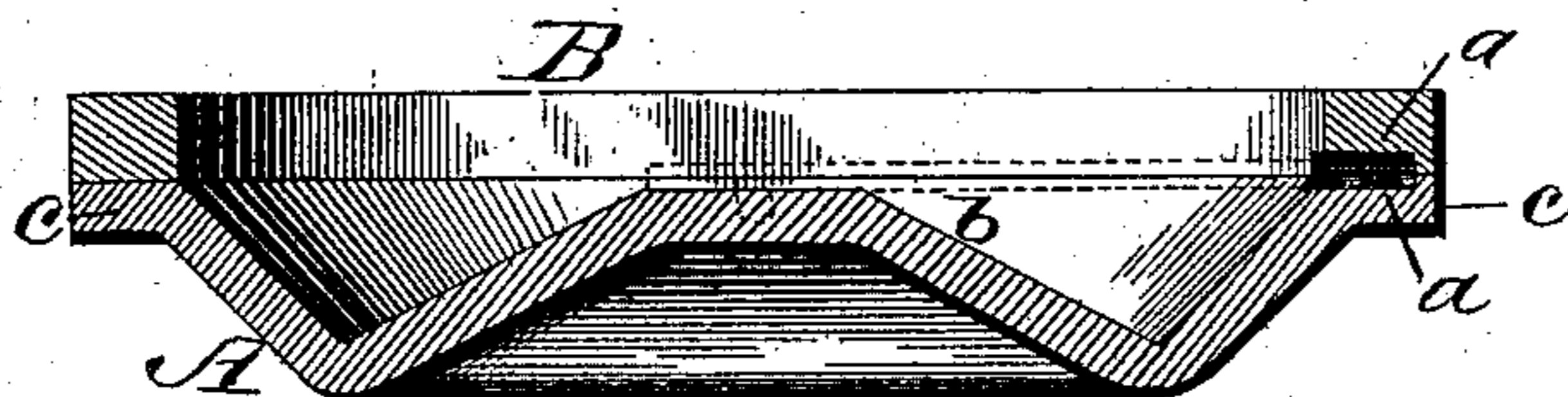


Fig. 2.



Witnesses
Chas. J. Williamson
L. L. Miller.

Inventors
Frank J. Moyer,
Charles A. Hoag,
per Cha H. Fowler
Attorney

UNITED STATES PATENT OFFICE.

FRANK J. MOYER AND CHARLES A. HOAG, OF LOCKPORT, NEW YORK.

MOLD FOR FORMING PLASTIC OR COMPOSITION TARGETS.

SPECIFICATION forming part of Letters Patent No. 360,899, dated April 12, 1887.

Application filed July 8, 1886. Serial No. 207,475. (No model.)

To all whom it may concern:

Be it known that we, FRANK J. MOYER and CHARLES A. HOAG, citizens of the United States, residing at Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Molds for Forming Plastic or Composition Targets; and we do hereby declare that the following is a full, clear, and exact description 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 drawings is a plan view of the two sections of the mold, and Fig. 2 a sectional elevation showing the two sections connected together.

The present invention has relation to molds for forming plastic or composition flying targets, and has a special reference to that class of targets provided with a tongue or stem adapted to be grasped by the jaw or clamp of the trap for the purpose of projecting it into the air.

The object of the invention is to construct a mold by which the tongue or stem can be securely connected to the target during the process of forming it by having the tongue or stem embedded in the material thereof; and the invention consists in a mold constructed substantially as shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A B represent the two sections of the mold, the lower section, A, taking the shape to which the target is to be, the shape and configuration of the mold depending entirely on the form of the target. It has, however, a convex inner surface, *b*, the central portion thereof forming a support for one end of the stem of the target to retain it in a true horizontal line while the heated composition is poured into the mold, thus insuring the stems of the targets to be on the same horizontal plane with the body thereof, which is of material importance in that class of targets projected from a trap. The upper section, B, takes the form of a simple ring, which is held in position by dowel-pins or other means usually employed for holding two sections of a mold together,

one or both of the mold-sections having a recess or depression, *a*, in which the projecting end of the tongue or stem of the target is seated. These recesses or depressions are of a form or shape to conform to that of the projecting end of the tongue or stem in which it is seated.

The mold-section A is provided with a circumferential flange or support, *c*, upon which rests the section B, to hold in position the outer end of the tongue or stem of the target.

When the two sections of the mold are placed together and the tongue or stem in position, as shown in dotted lines, Fig. 2, and the heated composition, which is in a liquid form, poured onto the mold-section A and allowed to cool and harden by being chilled by the metallic surface of the mold, said mold is inverted and the material not chilled allowed to run out, thus leaving a shell with the tongue or stem connected thereto, which forms the complete target.

It is our purpose to have these molds in clusters of any suitable number, each cluster being supported on trunnions, to enable them to be conveniently inverted.

Having now fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a mold for forming plastic or composition targets of that class provided with a tongue or stem, the combination, with a mold-section taking the shape of the target to be formed and provided with means for supporting at or near its center and in a horizontal position the target stem or tongue, of a second mold-section consisting of a confining-ring, the two sections adapted to be connected together, whereby the former section has its entire molding-surface exposed, and one or both sections having a suitable recess or depression to form a seat for the projecting end of the tongue or stem during the process of forming the target, substantially as and for the purpose set forth.

2. In a mold for forming plastic or composition targets of that class provided with a tongue or stem, a lower mold-section having a convex inner surface and provided with a flange or support at its outer side, in combi-

5 nation with an upper mold section consisting of a confining-ring adapted to rest on the flange or support, and one or both of the mold-sections provided with a suitable recess or depression for receiving and holding the outer end of the stem or tongue, while the inner end thereof is supported by the convex central portion of the lower section, substantially as and for the purpose specified.

In testimony that we claim the above we do have hereunto subscribed our names in the presence of two witnesses.

FRANK J. MOYER.
CHARLES A. HOAG.

Witnesses:

C. H. FREEMAN,
S. W. DEMPSEY.