

N. A. AUSTIN.
MOLDING APPARATUS.
APPLICATION FILED FEB. 27, 1905.

2 SHEETS—SHEET 1.

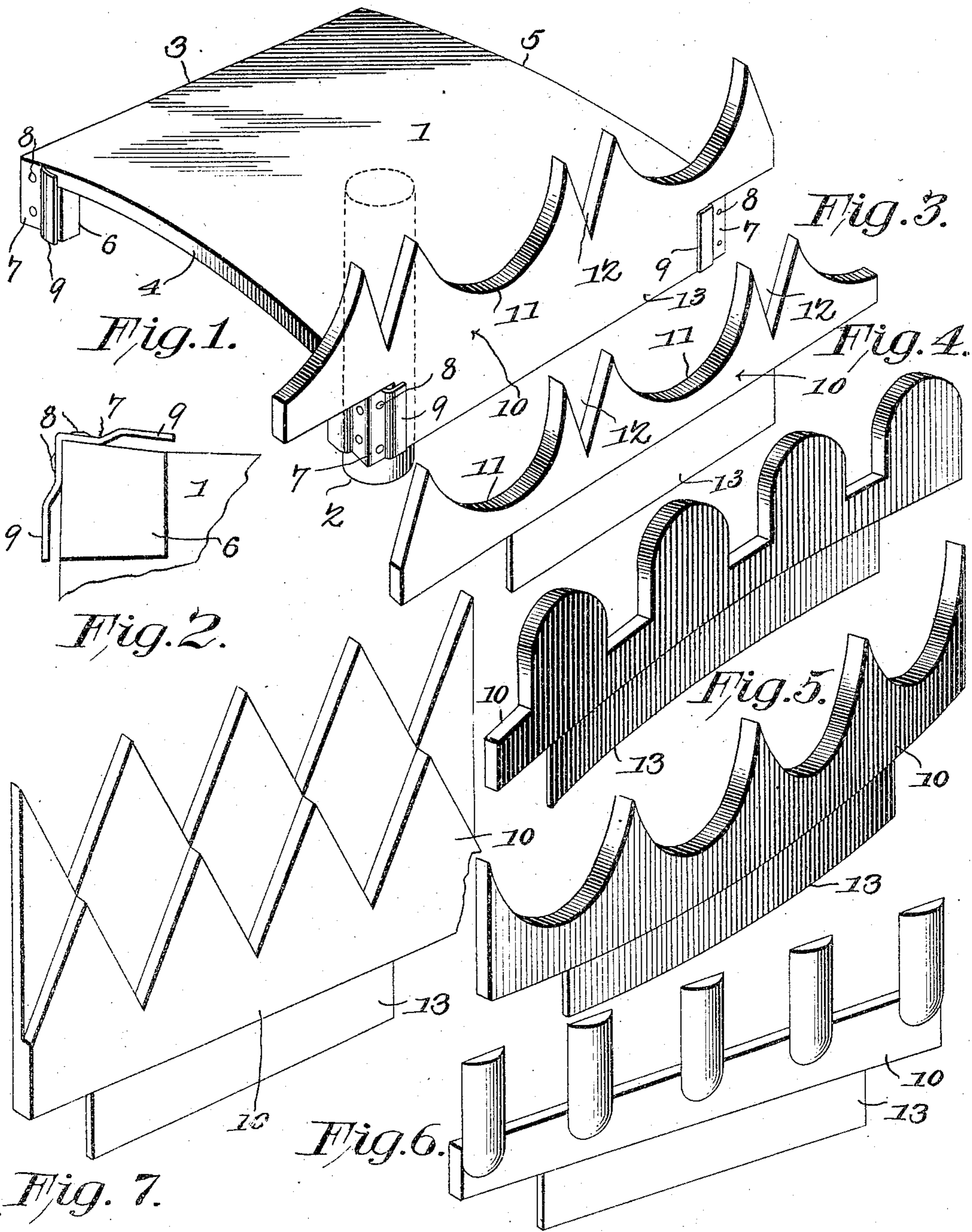


Fig. 7.

Witnesses
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No. 790,948.

PATENTED MAY 30, 1905.

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2 SHEETS—SHEET 2.

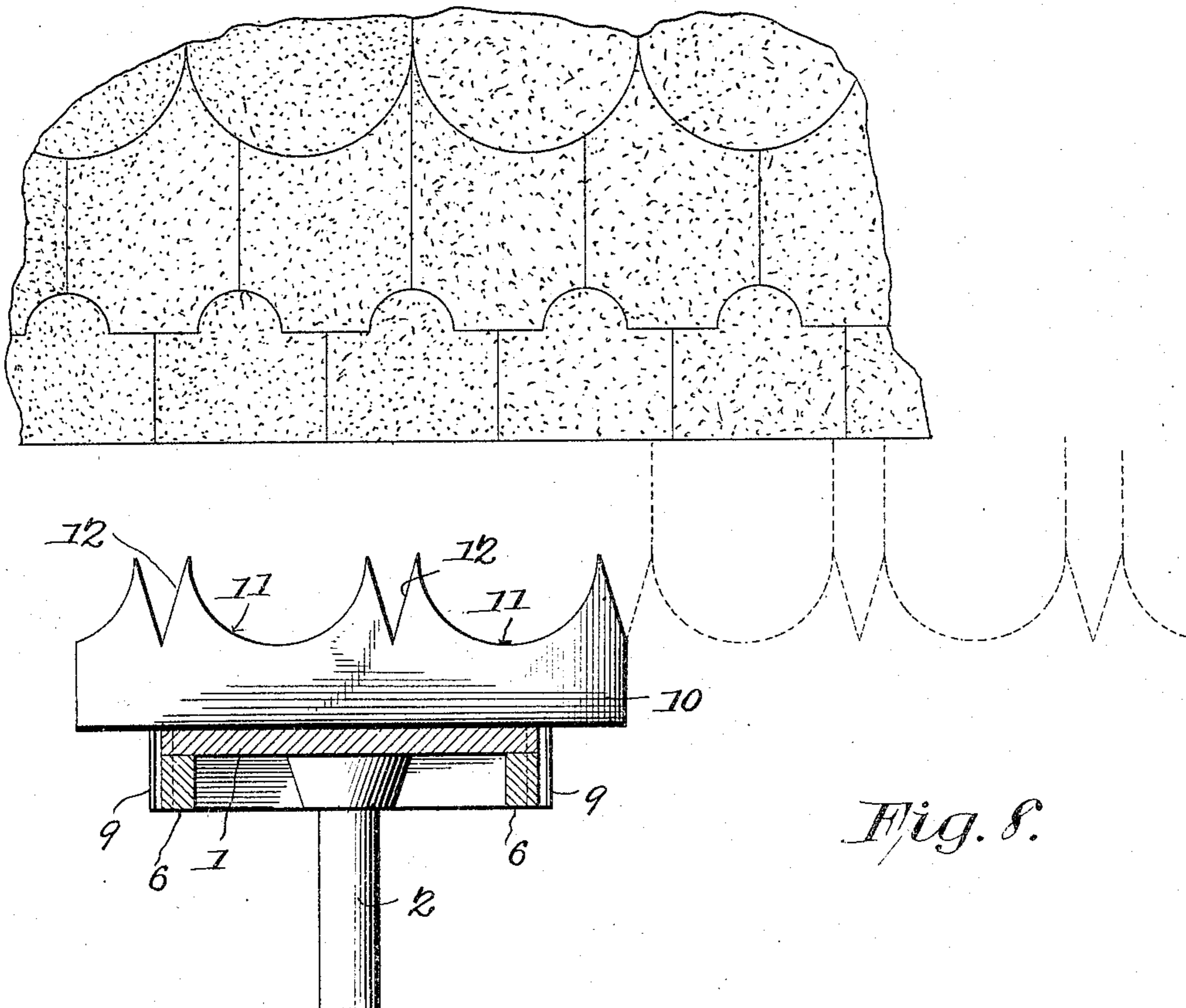


Fig. 8.

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UNITED STATES PATENT OFFICE.

NELSON A. AUSTIN, OF GREENVILLE, ILLINOIS.

MOLDING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 790,948, dated May 30, 1905.

Application filed February 27, 1905. Serial No. 247,501.

To all whom it may concern:

Be it known that I, NELSON A. AUSTIN, a citizen of the United States, residing at Greenville, in the county of Bond and State of Illinois, have invented a new and useful Molding Apparatus, of which the following is a specification.

This invention relates to the art of working plastic material into ornamental shapes upon the interior and exterior of buildings, and has for its object to provide an improved hand-operated implement capable of being conveniently applied to a roof, ceiling, wall, or other portion of a building for the support of the lower edge of plastic material applied to the wall or the like by a trowel, so as to support said material while hardening and to give to the same any desired ornamental configuration.

It is proposed to include in the device a holder and a series of molds of different ornamental configurations which are capable of interchangeable engagement with the holder and also to adapt the holder and the molds to flat, convexed, and concaved surfaces.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a perspective view of the device of the present invention having a mold fitted to the holder. Fig. 2 is an inverted plan view of one corner of the holder. Fig. 3 is a detail perspective view of the form of mold shown in Fig. 1 detached from the holder. Figs. 4, 5, 6, and 7 are detail perspective views of molds having different configurations. Fig. 8 is a view showing the manner of using the device, the latter being in section.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

The holder of the present invention is in the nature of a mason's hawk and includes a flat head 1 and a handle 2, projected at substantially right angles from the center of the head. The shape of the head is substantially rectangular with two straight parallel edges, one of which is shown at 3 in Fig. 1, there also being a concaved edge 4 and a convexed edge 5. At each corner of the head and upon what will be termed the "rear" side thereof there is a corner-bracket 6, and to the outer corner of this bracket there is secured a metallic clip 7, which snugly embraces said corner of the bracket and is connected thereto by suitable fastenings 8, each end of the clip being bent outwardly and offset from the bracket, so as to constitute a seat between the offset portions and the bracket, said seat being open at its opposite ends and throughout one side thereof.

In Fig. 3 of the drawings there has been shown a form of mold consisting of a straight plate 10 of suitable length and width, one edge of the plate being given a suitable configuration—as, for instance, being provided with concavities 11, alternating with V-shaped notches 12—and from the opposite edge of the plate there is extended a shank portion 13 of suitable dimensions. This shank portion is of a length to fit snugly within the seats carried by one of the straight edges of the holder with the projected ends of the body of the mold constituting shoulders lying across the front ends of the seats to prevent rearward displacement of the mold. It will here be explained that the offset members 9 have sufficient elasticity to snugly grip the ends of the shank 13, and thereby prevent accidental displacement of the mold.

Other shapes of molds have been indicated in Figs. 4, 5, 6, and 7 of the drawings, Figs. 4 and 5 showing bowed or arcuate molds shaped to fit the concaved and convexed edges of the holder; otherwise these molds have the same mechanical features as the straight molds.

In using the device as illustrated in Fig. 8 of the drawings one of the molds is selected and fitted to the holder, as in Fig. 1, and then the device is applied to a wall or the like

with the outer face of the mold lying flat against the wall, in which position it is held by one hand, the other hand of the operator being employed to manipulate a trowel for
 5 applying plastic material to the wall above the mold and to press the material into the recesses upon the edge of the mold. After the plastic material has become hardened sufficiently to retain itself upon the wall and to
 10 retain the shape given thereto by the mold the device may be removed and shifted to the right or left, so as to continue and complete the work.

It will now be understood that the present
 15 device supports the lower edge of the plastic material during its application to the wall and during the comparatively short time required for the material to harden sufficiently to retain the shape given thereto by the mold,
 20 the head 1 serving as a hawk to support a supply of plastic material which is to be removed therefrom by a trowel and applied to the wall in the usual manner.

Having fully described the invention, what
 25 is claimed is—

1. An implement for shaping plastic material upon walls and the like consisting of a holder and a mold carried thereby with its outer edge provided with an ornamental con-
 30 figuration.

2. An implement for shaping plastic material upon walls and the like, comprising a head constituting a hawk, a handle projected centrally at one side of the head, and a mold
 35 carried by one edge of the head and projected upon the opposite side thereof with its outer edge provided with an ornamental configuration for the support of the plastic material.

3. An implement for shaping plastic material upon walls consisting of a holder having a handle, a mold carried by one edge of the holder with the outer edge of the mold provided with an ornamental configuration, and
 45 means to detachably secure the mold to the holder.

4. An implement for shaping plastic material upon walls comprising a holder having a handle, a seat upon one edge of the holder,
 50 and a mold having a shank projected at one edge thereof for detachable engagement with the seat of the holder and its opposite edge provided with an ornamental configuration for the support of the plastic material.

55 5. An implement for shaping plastic material upon walls, comprising a holder having a

handle, a pair of spaced laterally-offset seats carried by the holder, and a mold having one edge provided with a shank for detachable en-
 60 gagement with the seats and its opposite edge being provided with an ornamental configuration for the support of the plastic material.

6. An implement for shaping plastic material upon walls comprising a head constituting a hawk, a handle projected centrally from the
 65 head, and a mold fitting against and detachably connected to one edge of the head, said mold being projected beyond the head opposite the handle with said projected portion provided with an ornamental configuration. 70

7. An implement for shaping plastic material upon walls consisting of a polygonal head having edges of different shapes, molds shaped to fit the respective edges of the head and provided with ornamental configurations, and
 75 means to detachably connect the molds to the corresponding edges of the head.

8. An implement for shaping plastic material upon walls, comprising a polygonal head having a straight edge and a bowed edge,
 80 molds to respectively fit the straight and bowed edges of the head and provided with ornamental configurations, and means to detachably connect the molds to the head.

9. An implement for shaping plastic material upon walls comprising a polygonal head having a straight edge, a convex edge and a concaved edge, a straight mold for applica-
 85 tion to the straight edge of the head and a bowed mold for alternate application to the concaved and convex edges of the head, and means to detachably connect the molds to the head. 90

10. An implement for shaping plastic material upon walls, comprising a polygonal head
 95 constituting a hawk and provided with a straight edge, a concaved edge and a convex edge, a handle projected centrally from one side of the head, corner-brackets upon one and the same side of the head, seats upon the
 100 corner-brackets, and molds to fit the respective edges of the head, each mold having a shank to fit a pair of seats with the outer edge of the mold provided with an ornamental configuration. 105

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

NELSON A. AUSTIN.

Witnesses:

RICHARD A. JOHNSON,
 WIN C. WRIGHT.