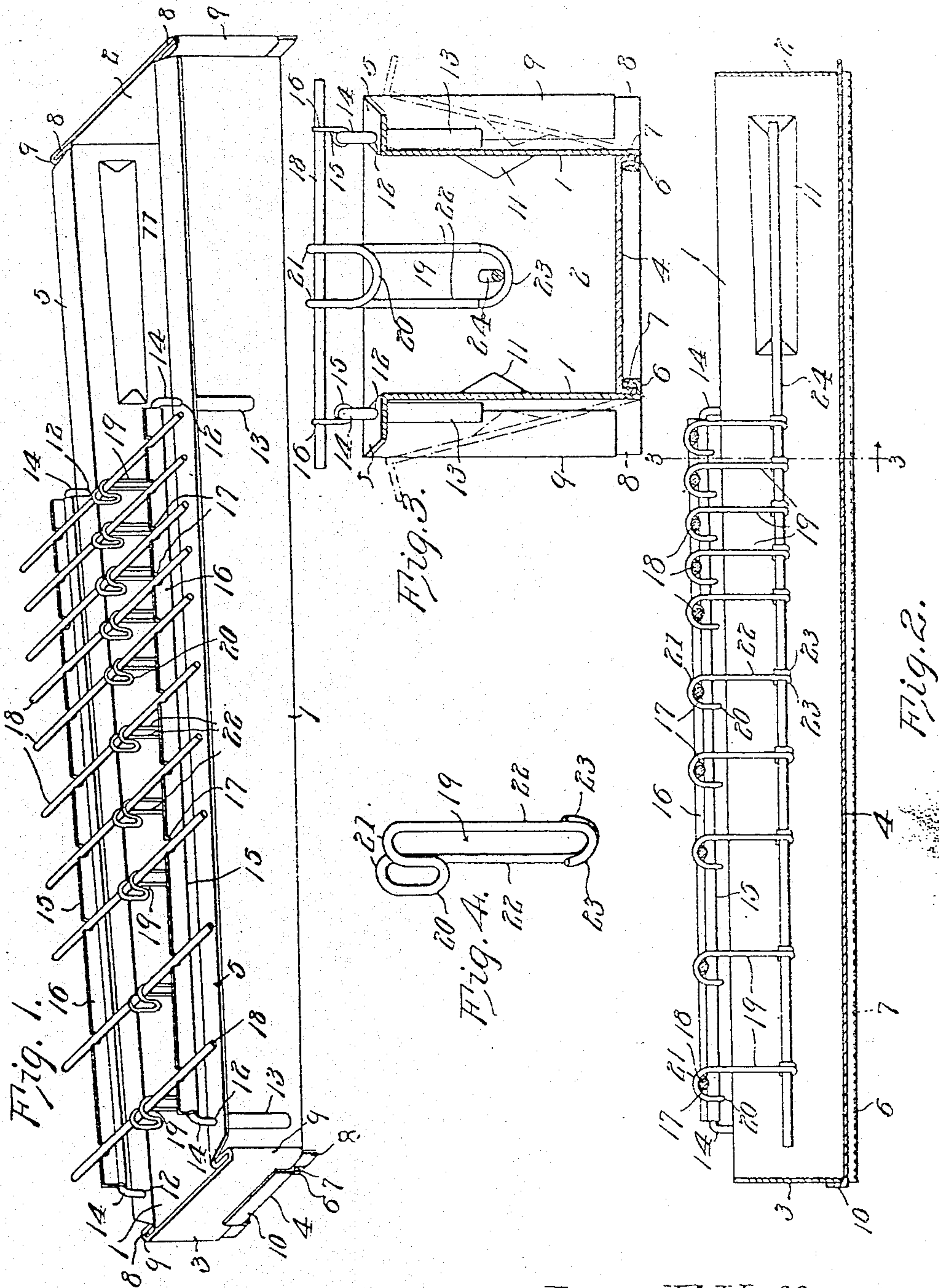


No. 800,643.

PATENTED OCT. 3, 1905.

J. F. HAFLEY.
FENCE POST MOLD.

APPLICATION FILED JULY 29, 1905.



Witnesses:

E. J. Stewart
R. M. Elliott

James F. Hafley,
Inventor,

by *C. A. Snow & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES F. HAFLEY, OF TIFFIN, OHIO.

FENCE-POST MOLD.

No. 800,643.

Specification of Letters Patent.

Patented Oct. 3, 1905.

Application filed July 20, 1905. Serial No. 270,567.

To all whom it may concern:

Be it known that I, JAMES F. HAFLEY, a citizen of the United States, residing at Tiffin, in the county of Seneca and State of Ohio, have
5 invented a new and useful Fence-Post Mold, of which the following is a specification.

This invention relates to fence-post molds.

The object of the invention is to provide a mold in which concrete fence-posts may
10 readily, accurately, and in a finished manner be cast, in which separation of the mold-sections from the post may be quickly effected, in which novel means shall be provided for holding the staples in position until the post
15 is set, and generally improve and simplify molds of the character named.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the
20 novel construction and combination of parts of a fence-post mold, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like
25 characters of reference indicate corresponding parts, Figure 1 is a view in perspective of a mold as it appears when ready to receive the concrete or other material to form the post. Fig. 2 is a vertical longitudinal section. Fig.
30 3 is a perspective view exhibiting the parts of the mold separated. Fig. 4 is a perspective detail view of a staple used in conjunction with the apparatus.

The mold, which may be made of any suitable material—such as cast-iron, galvanized
35 iron, wood, or any other material suited for the purpose—comprises two sides 1, two ends 2 and 3, and a bottom 4. The upper end of each side is outturned at right angles to its
40 length to form a flange 5, and their lower edges are upturned parallel with their width to form a locking-bead 6, the two beads thus formed being engaged by downturned flanges 7 on the bottom, the said flanges being dis-
45 posed at right angles to the width thereof. The ends of the sides are bent at right angles to their lengths to form flanges 8, and these flanges are engaged by intumed locking-beads 9 on the ends 2 and 3. As will be noted
50 by reference to Fig. 1, the mold as a whole is tapered, and the end 2 is of considerably greater size than the end 3, and the latter engages with an upturned flange 10 on the bottom, and thus holds the latter against longitu-
55 dinal movement when the mold is set up.

The inner walls of the sides adjacent to the longer end of the mold are provided with longitudinally-disposed inward-projecting fins or ribs 11, which are designed to make longitudinal depressions in the post, thereby both
60 to straighten and to provide anchoring elements that will operate to hold the post firmly seated in the ground against any tendency to lifting. The connection between the locking-
65 beads 6 of the sides and the flanges 7 of the bottom is such that when the ends are moved the sides will drop outward a sufficient distance to clear them from contact with the post, whereupon the latter may be removed.

Each of the flanges 5 of the sides is pro-
70 vided with two orifices 12, that communicate with sockets 13, secured to the surfaces of the side, and these orifices and sockets are engaged by the two downturned terminals 14 of
75 a pair of staple-hanger supports and spacers 15, the sockets being of such depth as to cause the upper edges of the staple-hangers and support-spacers always to occupy a predetermined position relatively to the upper face of
80 the flanges 5. The staple-hangers 15 consist each of a strip 16 of heavy galvanized iron or any other suitable metal provided with spaced seats 17, the spaces between which
85 gradually increase from the larger end of the mold toward its top, the seats in the two hangers being arranged in exact transverse alinement. The terminals 14 are formed by
90 a length of wire or iron rod which is combined with the hangers in any suitable manner and serve effectively to reinforce them.

In the use of the mold the parts are all connected in the manner shown in Fig. 1, and staple-hangers 18, which consist of short
lengths of wire, are passed through the staples 19 and engage the seats 17, so that the staples
95 are spaced a distance apart equal to the desired spacing of the wires when the post is set in position. The staple may be of any design, that herein shown consisting of a length
100 of wire bent to form a downward-extending loop 20, two upward-extending loops 21, two longitudinal members 22, and two upturned loops 23, the latter loops being engaged by a post-reinforcing wire or bar 24, as clearly
105 shown in Fig. 2. When all the parts are thus assembled, the cement is filled into the mold and around the staples and entirely incloses the post-reinforce 24, which will occupy a point at about the longitudinal center of the
110 post. When the mold is filled up even to the

upper edges of the sides, the bends 20 of the staples will be spaced apart from the post only a sufficient distance to permit the insertion of the line-wires between the two parts. 5 After the cement is set the staple-hangers 18 are removed and the ends 2 and 3 detached, whereupon the sides will then fall outward, thereby leaving the post free to be removed from the mold.

10 It will be noted by reference to Fig. 1 that the terminal of the bottom at the larger end of the mold projects beyond the end piece 2, the purpose of this arrangement being to provide a seat upon which the said end will rest 15 when positioned and also to limit its movement relatively to the bottom.

From the foregoing description it will be seen that by the employment of the mold herein described concrete fence-posts may be 20 readily and cheaply manufactured and in such manner as to insure thorough reinforcing and the combining of the staples therewith as to preclude possibility of being accidentally separated.

Having thus described the invention, what 25 is claimed is---

1. The combination with a fence-post mold having side members provided with sockets, of supports having downturned terminals to engage the sockets and provided with spaced 30 seats.

2. In a fence-mold, sides provided on their lower edges with upturned locking-beads and with terminal laterally-disposed flanges, a bottom having downturned flanges loosely 35 to engage the locking-beads of the sides and at one end with an upturned flange, and ends having locking-beads to engage with the terminal flanges of the sides, one of the ends being engaged by the upturned flange of the 40 bottom.

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

JAMES F. HAFLEY.

Witnesses:

FRANK T. DORE,

RALPH W. FACINGER.