

J. H. GRAHAM.
FENCE POST MOLD.
APPLICATION FILED FEB. 10, 1910.

988,460.

Patented Apr. 4, 1911.

2 SHEETS—SHEET 1.

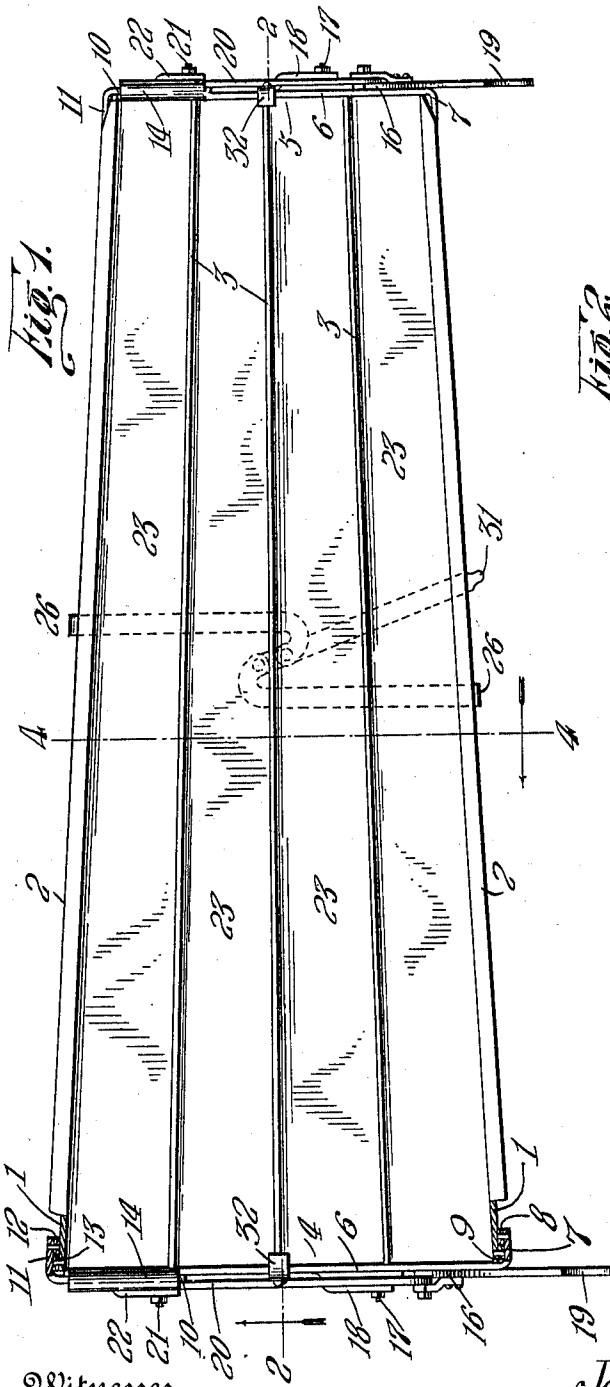


Fig. 2.

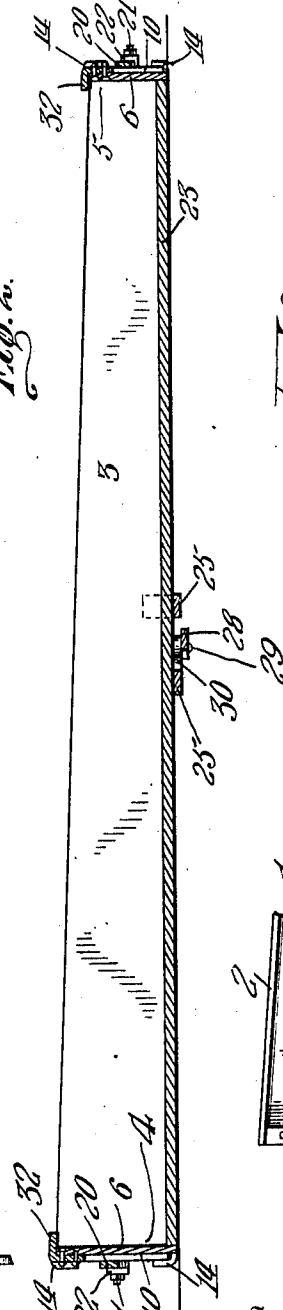


Fig. 9.

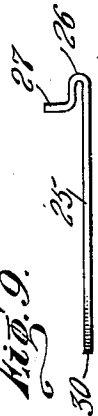
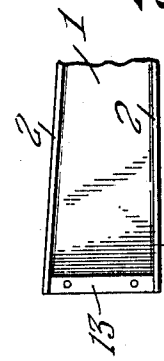


Fig. 8.



Witnesses
Eugene W. Stiney.
C. H. Grieshaber.

Joseph H. Graham.

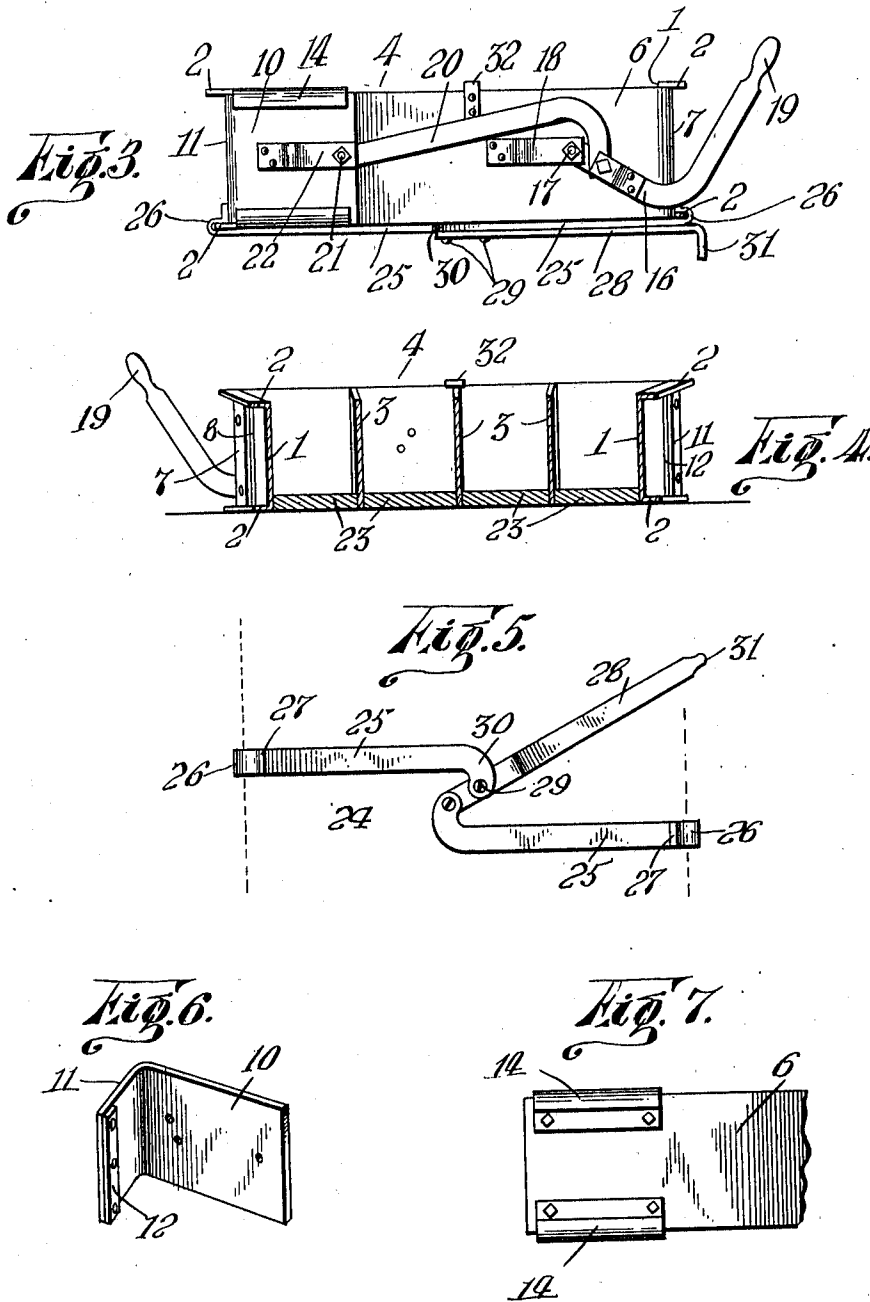
By *A. B. Wilson & Co.*
Attorneys

J. H. GRAHAM.
FENCE POST MOLD.
APPLICATION FILED FEB. 10, 1910.

988,460.

Patented Apr. 4, 1911:

2 SHEETS—SHEET 2.



Witnesses
Eugene W. Slaney,
C. H. Griesbauer,

Inventor
Joseph H. Graham.

by *H. B. Wilson & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH H. GRAHAM, OF KEMPTON, INDIANA.

FENCE-POST MOLD.

988,460.

Specification of Letters Patent.

Patented Apr. 4, 1911.

Application filed February 10, 1910. Serial No. 543,092.

To all whom it may concern:

Be it known that I, JOSEPH H. GRAHAM, a citizen of the United States, residing at Kempton, in the county of Tipton and State of Indiana, have invented certain new and useful Improvements in Fence-Post Molds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in molds for molding concrete fence posts.

The primary object of this invention is to provide a simple and economical mold whereby a series of four or more posts may be molded at a single operation.

A further object of the invention is to provide a mold in which the parts may be readily separated after the concrete or other plastic material from which the posts are made has hardened, and which may be readily set up in molding or operative position.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a plan view of a mold embodying my improvements; Fig. 2 is a longitudinal section on the line 2—2 of Fig. 1; Fig. 3 is an end view of the mold; Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 1; Fig. 5 is a detail elevation showing the central clamping member detached; Fig. 6 is a detail perspective view of one of the end sections; Fig. 7 is a detail elevation of the contiguous end portion of the cooperating end member; Fig. 8 is a view of one end of the side members; and Fig. 9 is an edge view of one of the clamping levers.

Referring to the drawings for a more particular description of the invention, the mold comprises the side members 1 of steel or any other suitable metal formed at their upper and lower side edges with the outwardly bent reinforcing flanges 2, which add greater strength and rigidity to the side members.

The mold further comprises a series of longitudinal spaced partitions 3, which are suitably disposed between the side members to form the molds or compartments for the reception of the concrete or other plastic ma-

terial from which the molds are to be formed.

The mold further comprises the end sections or walls 4 and 5, respectively, each of which consists of a pair of slidably engaged sections, the longer, as 6, of which extends entirely across its end of the mold and is provided at one end with the inwardly and laterally bent portion 7, provided on its inner face with the cleat 8, which is adapted to hook over a second cleat 9 on the adjacent end of one of the side members and thereby form a means of interlocking engagement therebetween. The shorter section of each end wall, as 10, is also provided with the inwardly and laterally bent flange or portion 11, provided on its inner face with a cleat or rib 12, also adapted to hook over a second cleat 13 at the adjacent end of the other side member. The longer section 6 of each of the end walls is provided at one end and at opposite sides with the guide-ways 14, which are preferably formed by suitably bending the outer edges of metal strips 15 riveted or otherwise attached to the face of said section. A locking lever 16 is pivoted near one end upon a bolt 17 passing through a bearing bracket 18 mounted on the outer face of the longer section of the end wall. The opposite or free end of this lever is bent inwardly approximately at right angles to form a handle portion 19, which is adapted to be grasped by the operator in moving the lever back and forth. The link 20 is loosely connected at one end to the locking lever 16 at a point adjacent the pivotal point of the latter and is connected at its opposite end by means of the bolt and bracket 21 and 22, respectively, with the shorter section of the end wall.

From the foregoing, it will be apparent that by swinging the operating lever downward to the position indicated in Fig. 2, the sections of the end walls are drawn together and retain themselves, as well as the side walls, in molding position. A series of pallets 23 are arranged in the bottoms of the mold compartments and rest upon the support upon which the mold as a whole is placed. The side walls, as well as the partitions, are made of sufficient width to extend to the bottoms of the pallets. It will be observed that the side walls and partitions are shown of slightly and gradually decreasing width from one end of the mold to the op-

posite end, while the partitions are so arranged that the mold compartments are also of slightly decreasing width and for this reason, when the posts are formed, they will be larger at the base than at their upper ends.

In order to hold the center of the mold from bulging down and to secure greater rigidity at this point, I provide a clamping member 24 which extends across the bottom of the mold at the center of the length thereof and comprises a pair of corresponding sections 25 provided at their outer ends with the hook portions 26 which receive the bottom reinforcing flanges 2 of the side walls of the mold, the ends of said hook portions being bent up to form braces 27 which fit against the outer sides of the side members.

To adjust the sections of the clamping member 24 in locking or releasing position, I provide the operating lever 28 which is pivoted near one end, as at 29, to the intumed portion 30 of one of the sections 25 of the clamping member and is connected at the extreme portion of said end with the other section of the clamping member. The outer end of this lever is provided with the handle 31 for convenience in operation. Each of the end walls of the mold is also provided with the hook member 32 which engages the upper edge of the central partition 3 to hold the machine from bulging up at the center. In setting up the mold, the pallets are first placed upon the support, the side walls next placed in position and the center clamping member 24 next applied. The partitions are then arranged in position between the pallets and the end walls or sections finally placed in position. The operating levers for the end walls and center clamping member are then moved into locking position. To remove the machine from the posts, the end walls are first removed and next the center clamping member, which loosens the side walls. The posts are now slightly separated by a suitable tool to facilitate the removal of the partitions which are preferably removed endwise.

From the foregoing description taken in

connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claims.

Having thus described my invention, what I claim is:—

1. A mold of the character described, comprising longitudinal side members, a plurality of spaced longitudinal partitions arranged between the same, sectional adjustable end members, each comprising a pair of slidably arranged clamping sections having oppositely disposed intumed ends, guiding means extending from one of said sections, and clamping levers fulcrumed upon one of said sections and connected to the other section, whereby the end sections may be slidably adjusted upon each other.

2. A mold of the character described, comprising longitudinal side members, a plurality of spaced longitudinal partitions arranged between the same, sectional adjustable end members, each comprising a pair of slidably arranged clamping sections having oppositely disposed intumed ends, guiding means extending from one of said sections, clamping levers fulcrumed upon one of said sections and connected to the other section, whereby the end sections may be slidably adjusted upon each other, and a detachable central clamping means adapted to brace the side members, comprising a series of curved levers pivotally connected at their ends to an operating lever and having their outer ends bent upwardly and shaped to engage the lower portion of the side member.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH H. GRAHAM.

Witnesses:

ISABEL FRANCIS CARROLL,
ROBERT B. COHEE.