

F. B. HARDING & J. J. BRUBECK.
MOLD.

APPLICATION FILED JUNE 20, 1908.

Patented Dec. 22, 1908.

907,494.

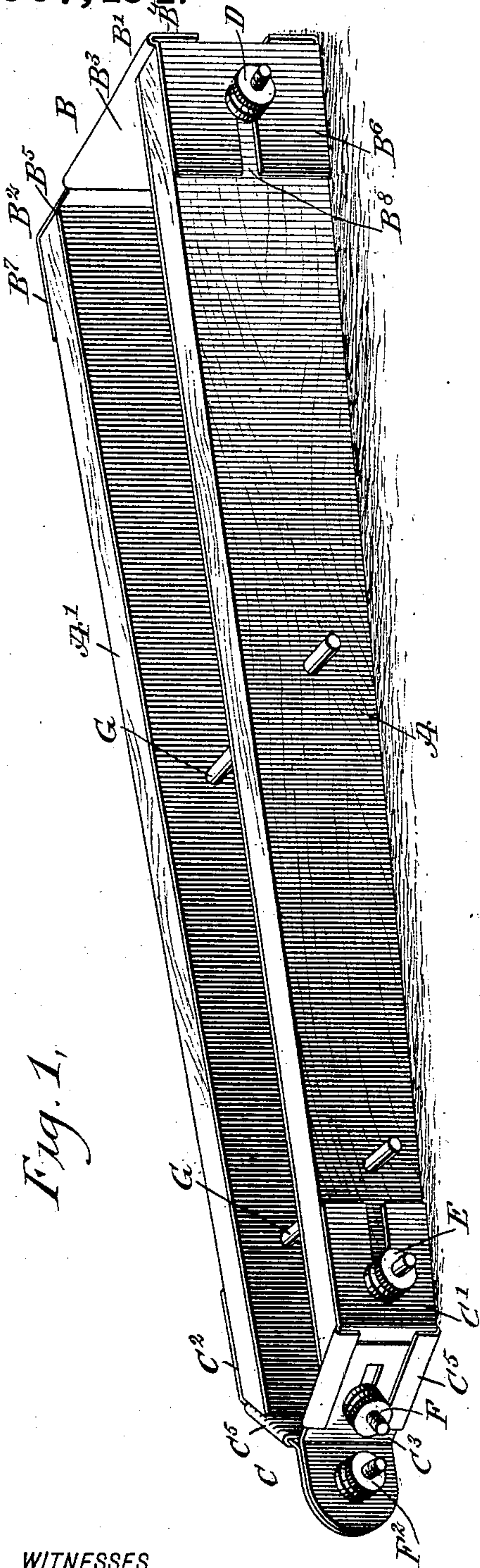


Fig. 1.

WITNESSES

Edward Thorpe,
Rev. G. Heister

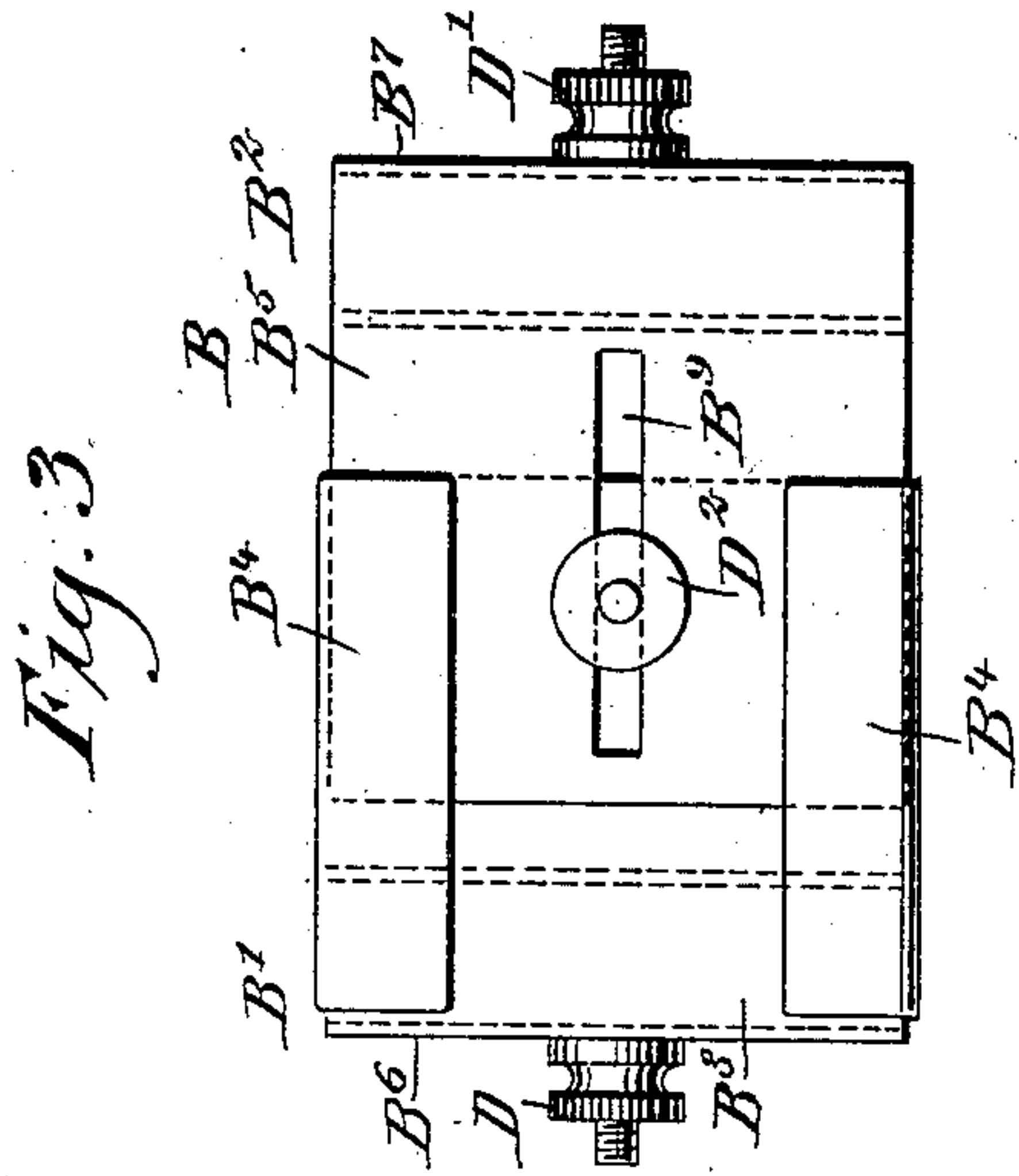


Fig. 3.

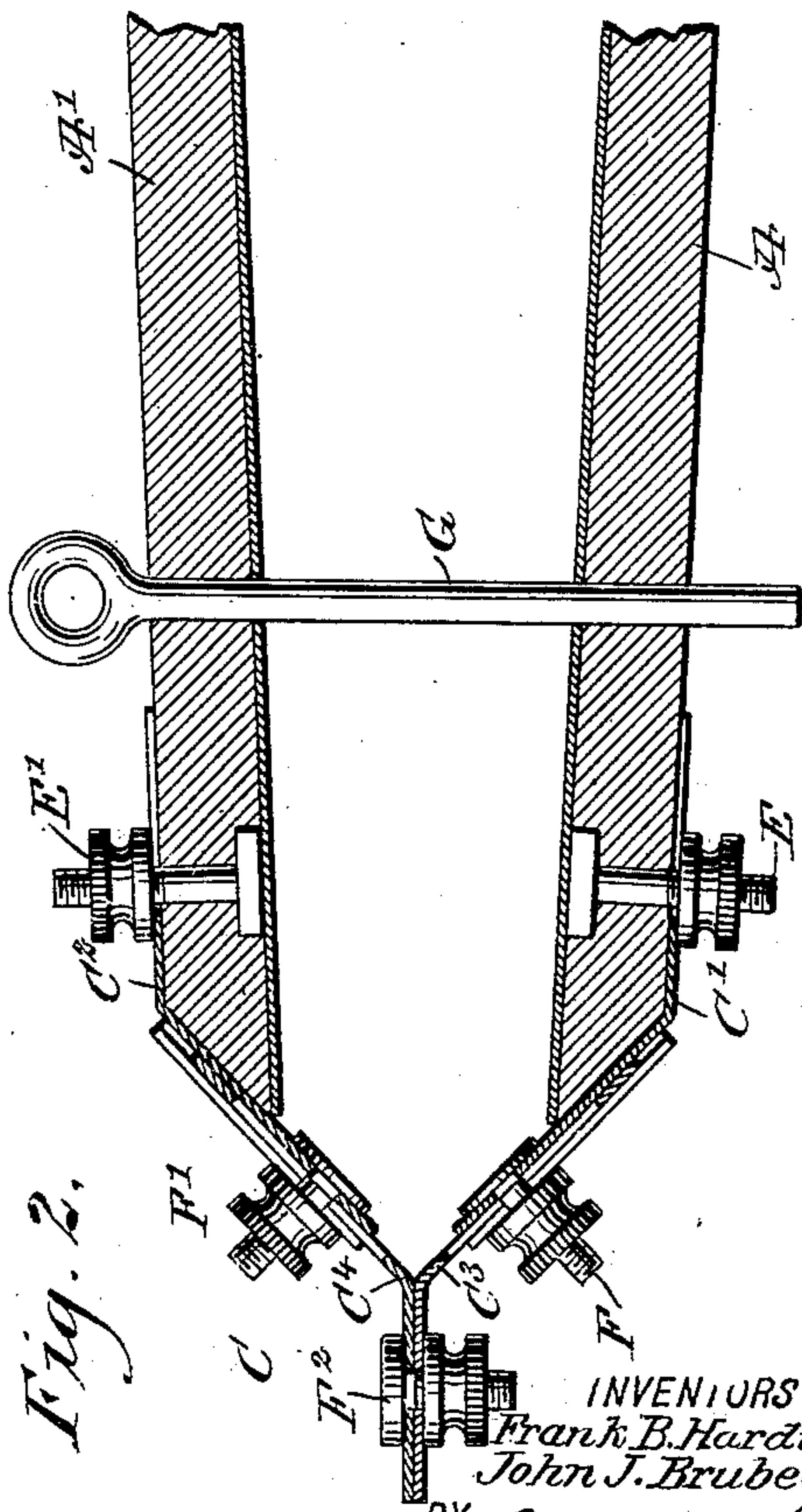


Fig. 2.

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FRANK B. HARDING AND JOHN J. BRUBECK, OF ROCKVILLE, INDIANA.

MOLD.

No. 907,494.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed June 20, 1908. Serial No. 439,482.

To all whom it may concern:

Be it known that we, FRANK B. HARDING and JOHN J. BRUBECK, citizens of the United States, and residents of Rockville, in the county of Parke and State of Indiana, have invented a new and Improved Mold, of which the following is a full, clear, and exact description.

The invention relates to the manufacture of concrete fence posts and like articles, and its object is to provide a new and improved mold which is simple and durable in construction and readily adjusted for making posts of different sizes.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement; Fig. 2 is an enlarged sectional plan view of one end of the mold; and Fig. 3 is a face view of the base end of the mold.

The sides A, A' of the mold are connected with each other at one end by a sectional and adjustable base end B, and the other ends of the sides A, A' are connected with each other by a sectional adjustable peak end C. The sides A, A' are preferably made of wood lined at their inner faces with sheet metal, and the ends B and C are preferably made of sheet metal, cast iron or the like.

The base end B is formed of two angular pieces B', B², of which the piece B' is provided at the outside of its connecting member B³ with guideways B⁴ for the connecting member B⁵ of the other end piece B² to slide in, as plainly shown in Figs. 1 and 3. The end pieces B' and B² have their attaching members B⁶ and B⁷ fitted against the outer faces of the sides A and A', and the said attaching members B⁶, B⁷ are provided with slots B⁸ through which extend clamping bolts D, D' held on the sides A, A' and serving to fasten the attaching members B⁶, B⁷ in position on the sides A, A'. The connecting member B⁵ of the end piece B² is provided with an elongated slot B⁹ (see Fig. 3), through which extends a bolt D² held on the other connecting member B³, to permit of securely fastening the connecting members B³ and B⁵ with each other. Now by loosening the nut of the bolt

D², the end pieces B' and B² allow the adjustment of the corresponding ends of the sides A and A' towards or from each other, to give the desired width to the mold at the base end thereof, and when the end pieces B' and B² have been adjusted then the nut of the bolt D² is screwed up, to securely fasten the end pieces B', B² in place one on the other. On loosening the nuts of the bolts D, D', the end pieces B' and B² may be readily moved for disassembling the mold after the post is made. The length of a post is governed by the length of the sides A, A', but a slight adjustment in the length of the post may be made by adjusting the end pieces B', B².

The peak end C of the mold is formed of the angular members C', C², C³ and C⁴, of which the angular members C' and C² are adjustably secured by bolts E and E' to the sides A and A', and the said angular members C' and C² are provided with guideways C⁵ for the angular members C³, C⁴ to slide in, the same as above described in reference to the members B³, B⁵, so that further description is not deemed necessary, it being however understood that the angular members C³, C⁴ are secured in place after the desired adjustment is made on the members C', C² by bolts F, F'. The outer ends of the angular members C³, C⁴ are connected with each other by a bolt F². Now on loosening the nuts of the bolts F and F' the members C³, C⁴ are free to slide on the members C', C², to allow of moving the forward ends of the sides A, A' towards or from each other according to the width of the post at the peak end. When the desired adjustment has been made the nuts of the bolts F, F' are screwed up to secure the members C³, C⁴ in position on the members C', C². The members C', C² may be adjusted in the direction of the length of the sides A, A' on loosening the nuts of the bolts E, E', to suit the length of the posts to be made by the mold. Rods G are extended transversely through openings in the sides A, A' to act as cores for forming holes in the post for attaching a wooden strip to the post by the use of suitable bolts, the wooden strip being adapted to receive staples for fastening fence wires in place on the post.

In using the mold, the latter is placed on a table or other support, in the manner shown in Fig. 1, then the concrete material in a plastic state is filled into the mold even with

the top edges of the sides A, A' and the ends B, B', and after the concrete material has set and hardened the rods G are withdrawn and the remaining part of the mold is lifted off
5 free of the post form.

By reference to Figs. 1 and 2 it will be seen that the sides A and A' are arranged obliquely one to the other, to give the desired taper to the sides of the post, the peak end C
10 having its members arranged in peak shape, to give the desired incline finish to the upper end of the fence post.

Having thus described our invention, we claim as new and desire to secure by Letters
15 Patent:

1. A mold for forming concrete posts, comprising sides, a base end formed of angular pieces, one slidable on the other and secured to the said mold sides, and a peak end
20 formed of angular side pieces attached to the said mold sides, and peak sections fastened together and slidably engaging the said angular side pieces.

2. A mold for forming concrete posts, comprising sides, a base end formed of angular pieces, one slidable on the other and secured to the said mold sides, a peak end
25 formed of angular side pieces attached to the said mold sides, peak sections fastened together and slidably engaging the said angular side pieces, and bolts for fastening the said base end parts and the said peak end parts to the said sides and one to the other.

3. A mold for forming concrete posts, comprising sides, a base end formed of angular pieces one slidable on the other and adapted to be secured to the mold sides, a peak end formed of angular side pieces adapted to be secured to the mold sides,
35 peak sections slidably engaging the said angular side pieces of the peak end and adapted to be fastened together, means for fastening the parts in position, and rods extending transversely through openings in the mold
40 sides.

4. A mold for forming concrete posts, comprising sides, a sectional adjustable peak end connecting the sides with each other at one end of the mold, and a base end connecting the sides with each other at the other
50 end of the mold, the said base end consisting of two angular pieces each having a side or attaching member and an end or connecting member, the connecting member of one of said angular pieces being provided with
55 guideways in which the connecting member

of the other piece slides, the side or attaching members of the angular pieces fitting against the outer faces of the sides of the mold and provided with slots, bolts held on the sides of
60 the mold and extending through said slots, the connecting member of one of said angular pieces having an elongated slot, a bolt held on the connecting member of the other piece and extending through said slot, and
65 nuts held on the outer ends of said bolts.

5. A mold for forming concrete posts, comprising sides, a sectional adjustable base end for connecting the sides with each other at one end, and a peak end for connecting
70 the sides with each other at the other end, the said peak end consisting of angular side members engaging the sides of the mold, and provided with elongated slots, bolts held on the sides of the mold and extending through
75 said slots, the said angular side members being provided with guideways, peak sections consisting of angular members engaging each other at their outer portions, the inner portions of said peak sections being pro-
80 vided with slots and arranged to slide in said guideways in the angular side members, bolts held on the angular side members and extending through the slots in the peak sections, a bolt extending through the outer
85 ends of the peak sections, and nuts on said bolts for securing the parts together.

6. A mold for forming concrete posts, comprising sides, a base end formed of two angular pieces each having a side member
90 and an end member, the side members being adapted to be secured to the said mold sides and the end members being adapted to slidably engage each other, a peak end formed of angular side pieces each having one member
95 adapted to be secured to a mold side, and peak sections having members adapted to be secured together and members adapted to slidably engage the other members of said angular side pieces of the peak end, means
100 for securing the parts in position, and cross bars extending through the said mold sides for forming bolt holes in the concrete post.

In testimony whereof we have signed our names to this specification in the presence of
105 two subscribing witnesses.

FRANK B. HARDING.
JOHN J. BRUBECK.

Witnesses:

JACOB S. WHITE,
EARL M. DOWD.