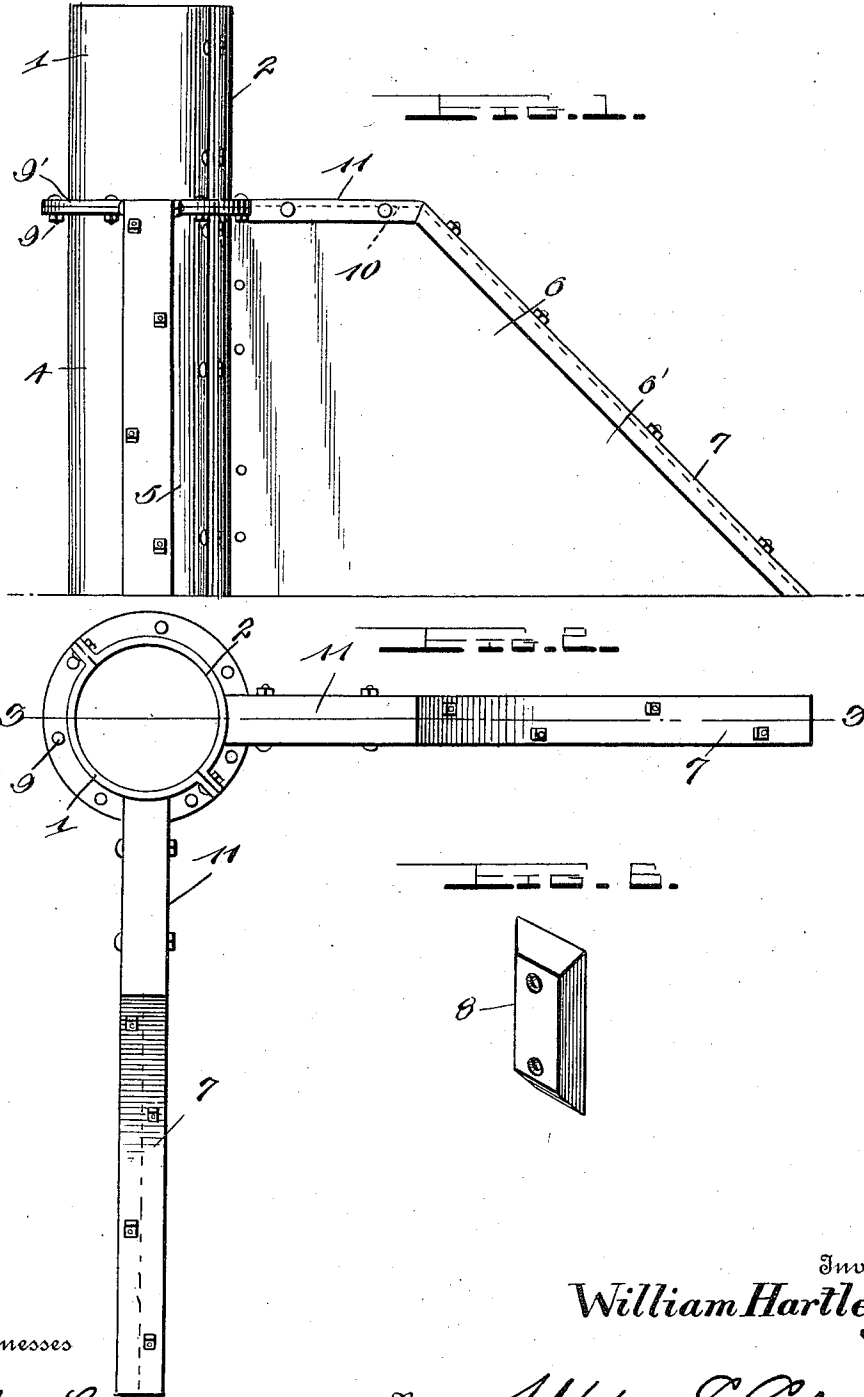


W. HARTLEY.
MOLD FOR CONCRETE POSTS.
APPLICATION FILED APR. 10, 1912.

1,060,680.

Patented May 6, 1913.

2 SHEETS—SHEET 1.



Witnesses

Chas. L. Gruebauer.
A. B. Norton.

By

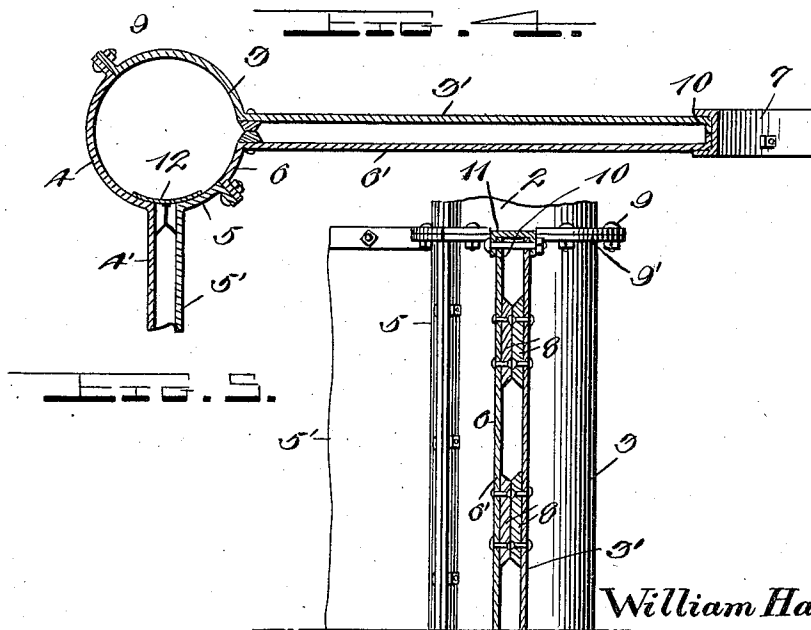
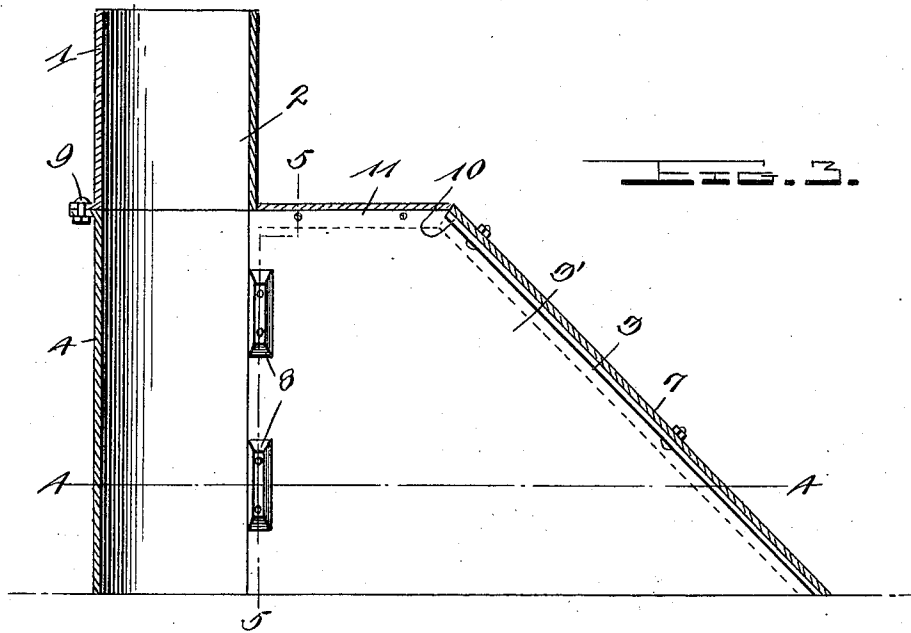
William Hartley,
Inventor
Watson E. Coleman,
Attorney

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Attorney

UNITED STATES PATENT OFFICE.

WILLIAM HARTLEY, OF ATLANTA, INDIANA.

MOLD FOR CONCRETE POSTS.

1,060,680.

Specification of Letters Patent.

Patented May 6, 1913.

Application filed April 10, 1912. Serial No. 689,741.

To all whom it may concern:

Be it known that I, WILLIAM HARTLEY, a citizen of the United States, residing at Atlanta, in the county of Hamilton and State of Indiana, have invented certain new and useful Improvements in Molds for Concrete Posts, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to the molding of concrete posts and has for its object to provide a mold for the manufacture of concrete corner posts or posts which are intended to withstand heavy pulling strains.

Another object of this invention is to have the device for molding said posts arranged so that it can be readily and cheaply manufactured.

Other objects of this invention will become apparent as it is more fully set forth.

In the accompanying drawings which illustrate by way of example an embodiment of this invention, Figure 1 is a view in elevation of a mold embodying this invention. Fig. 2 is a plan view of Fig. 1. Fig. 3 is a central sectional view taken along the line 3—3 of Fig. 2. Fig. 4 is a sectional view of a mold taken along the line 4—4 of Fig. 3. Fig. 5 is a sectional detail taken along the line 5—5 of Fig. 3. Fig. 6 is a detail of one of the blocks used for providing a suitable opening in the post.

Similar reference characters refer to similar parts throughout the drawings.

The mold in question consists of two main parts, an upper portion which is in two sections, 1 and 2, and a lower portion. The lower portion of the mold is made up of four general sections, designated by the reference characters 3, 4, 5 and 6. The preferable shape of these sections is shown in the drawings. The respective sections are provided with extending sides 3', 4', 5' and 6', which provide a suitable arrangement for molding braces to the post made in the body proper of the mold.

The edge portions 9' of the upper and lower parts of the mold are bent so as to engage with one another, and are provided with holes therein so that bolts 9 can securely hold them together. The upper portions 10 of the braces are provided with holes therein in order to permit removable channel bars 11 to be secured thereto by means of bolts.

The rear portions of the braces are prefer-

ably angularly cut, as shown in Figs. 1, 2 and 3, and have their edge portions bent as shown and securely held together by means of channel bars 7.

In order to provide suitable openings in the molded posts, a number of slightly beveled blocks 8 are provided, and arranged in the mold to suit the conditions. On removal of the mold the blocks come apart with it and leave suitable openings in the post. A thin plate 12 is provided with this device, or more if necessary, for the purpose of providing means for using the mold for posts without braces. The plate 12 is shown in position in Fig. 4, and is arranged to cut off the flow of concrete from one of the braces. If it is desired to fill the braces of the posts to be made, from other parts rather than the opening provided in the upper portion of the body proper of the mold, the channels 11 are removed and the concrete poured in the openings left in the upper portions of the braces.

Without entering into details of the use of this apparatus, because the principles used are well known, it can be said that the device provides a very suitable means for the purpose in question, which can be readily taken apart and packed into a comparatively small space, and has the advantage in that all its parts are accessible for repair or cleaning purposes, and in conclusion, the cost of the mold is comparatively small and does not involve any great ingenuity on the part of the operator in order that it may be used properly.

The plate 12 is held in position by means of a suitable Y member, secured to it, and arranged to fit within the brace parts as shown in Fig. 5.

Having thus described this invention, what is claimed is:—

1. A mold for concrete posts comprising a plurality of plates forming a tubular member, longitudinal flanges formed on each of said plates, means for spacing said flanges thereby forming a recess therebetween, and closures secured to the upper edges of said flanges and connecting the same.

2. A mold for concrete posts comprising a plurality of curved plates forming a tubular member, longitudinal flanges formed on each of said plates, means for spacing said flanges thereby forming a recess therebetween, channel bars secured to the upper edges of said flanges thereby closing the re-

cesses, and a tubular member secured to the upper edge of the first mentioned tubular member.

3. A mold for concrete posts comprising a plurality of curved plates forming a tubular member, each of said plates formed with a longitudinal flange, means for spacing said flanges thereby forming a recess, channel bars secured to the upper edges of the said plates for closing the opening therein, and

means for closing the opening between the said tubular member and the recess formed by the said plates.

In testimony whereof I hereunto affix my signature in the presence of two witnesses. 15

WILLIAM HARTLEY.

Witnesses:

J. W. WOODSMALL,
C. H. HERRING.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."