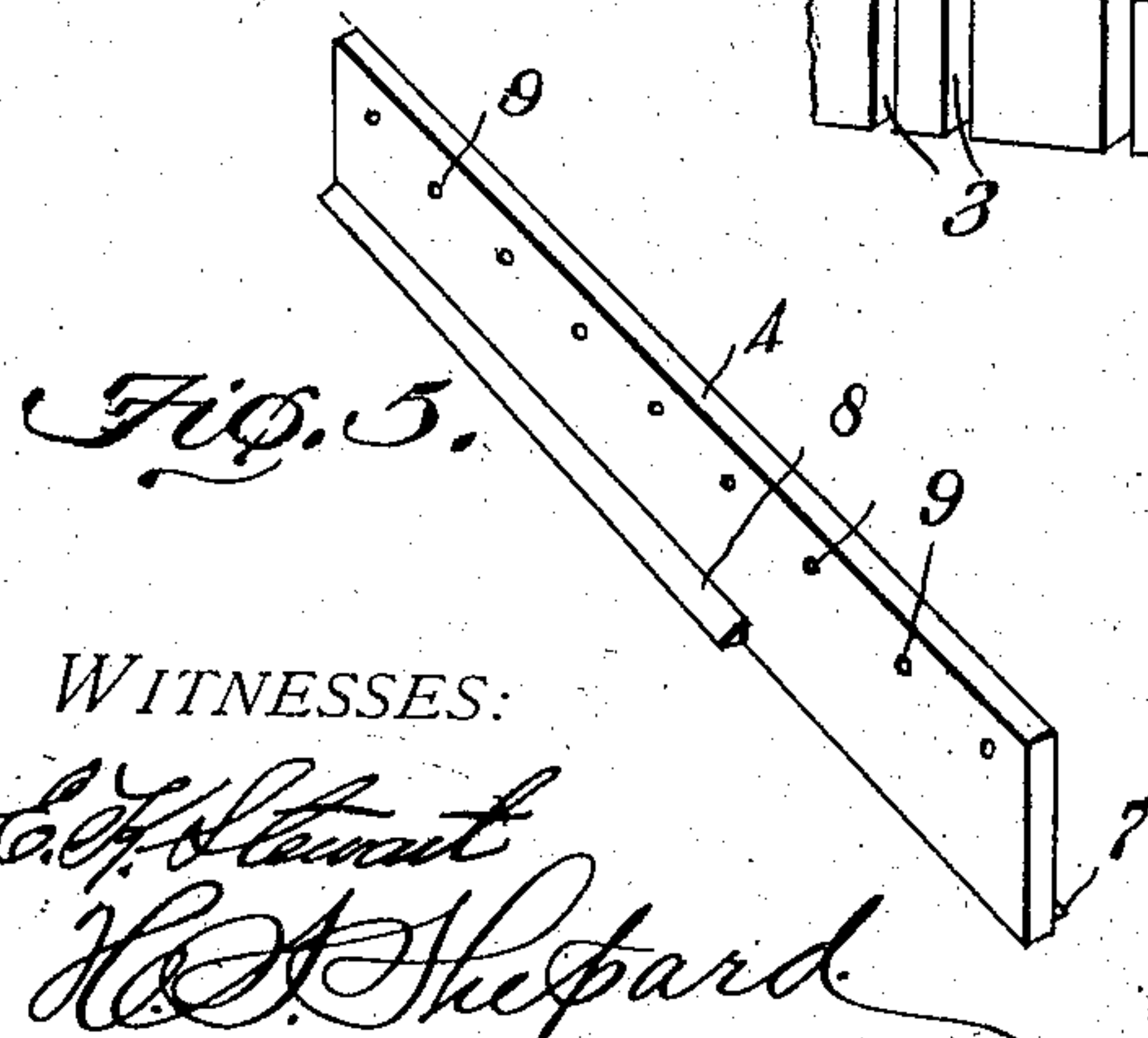
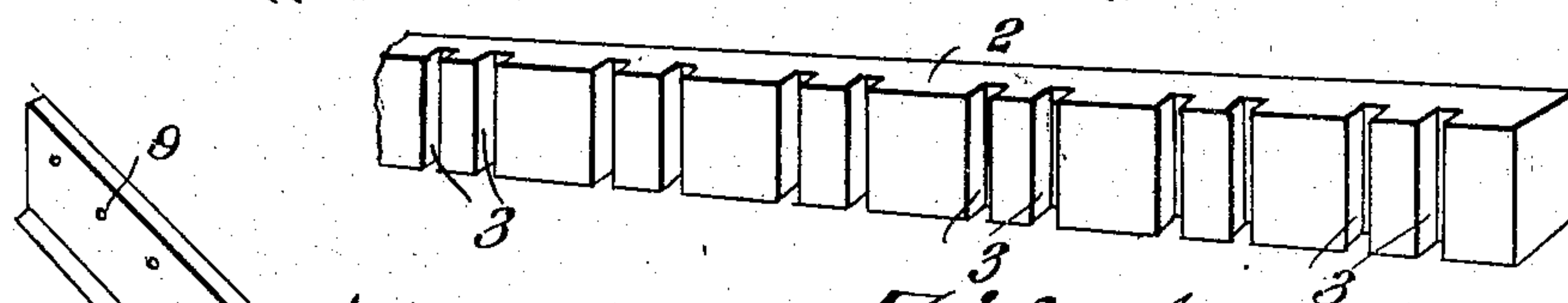
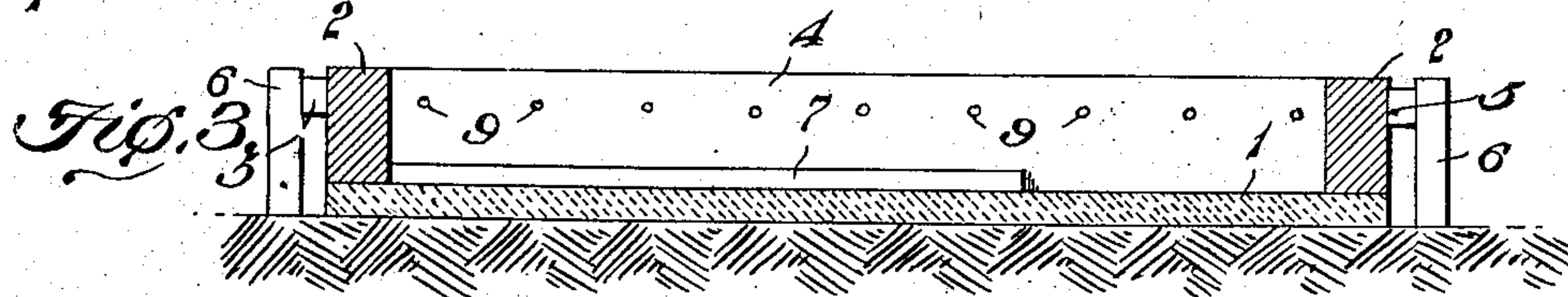
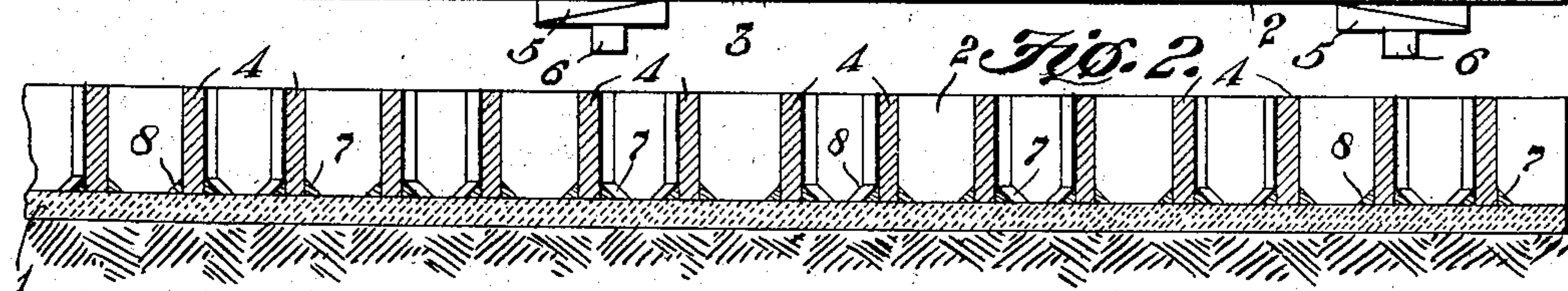
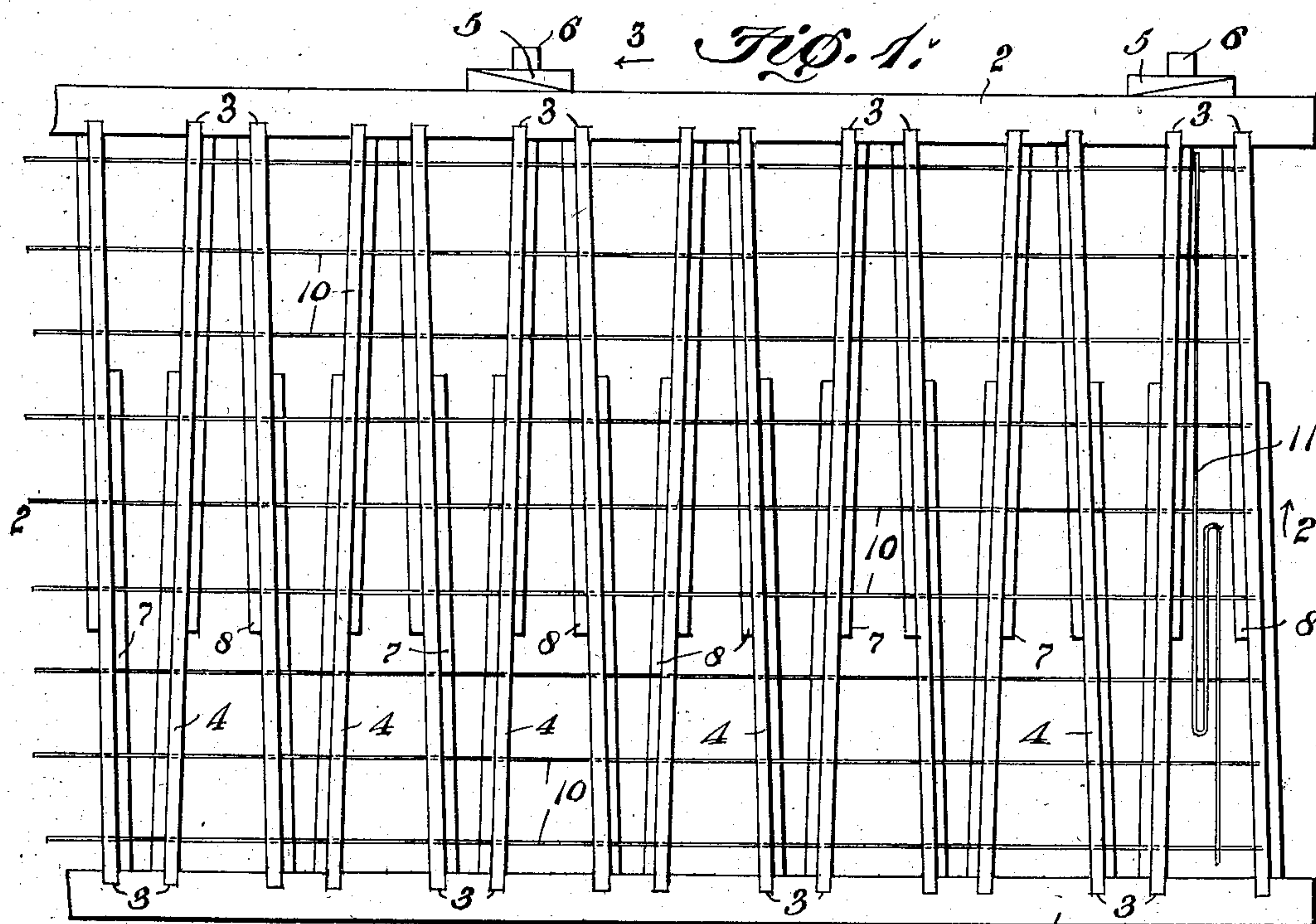


No. 833,814.

PATENTED OCT. 23, 1906.

F. M. WHITE.
MOLD.

APPLICATION FILED MAR. 24, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANCIS M. WHITE, OF NEWKIRK, OKLAHOMA TERRITORY.

MOLD.

No. 833,814.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed March 24, 1906. Serial No. 307,895.

To all whom it may concern:

Be it known that I, FRANCIS M. WHITE, a citizen of the United States, residing at Newkirk, in the county of Kay and Territory of Oklahoma, have invented a new and useful Mold, of which the following is a specification.

This invention relates to molds, and is particularly designed for the formation of concrete and other artificial fence-posts and to provide an arrangement whereby a plurality of posts may be cast within a minimum of space.

It is furthermore designed to facilitate the setting up of the mold and also the taking apart thereof in order that the mold may be readily removed from the posts before they have become entirely set, whereby the mold may be again set up and filled with material before the original set of posts have become hardened.

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 claim, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a plan view showing a series of molds set up in accordance with the present invention. Fig. 2 is a cross-sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a cross-sectional view taken on the line 3 3 of Fig. 1. Fig. 4 is a fragmentary perspective view of one end of the mold. Fig. 5 is a detail perspective view of one of the sides of the mold.

Like characters of reference designate corresponding parts in all of the figures of the drawings.

For the support of the sides and ends of the present mold there is provided a bed or base 1, preferably of concrete or the like, having a width substantially equal to that of the length of the mold. Upon this base at each edge thereof is placed a head-bar 2, which is provided throughout its inner face with a plurality of pairs of upright open-ended kerfs or seats 3, the distance between adjacent pairs of seats being greater than the distance between the members of each pair. Extending between the head-bars 2 is a series of

sides 4, each of which is in the nature of a board or plate stood on edge with its opposite ends in corresponding seats or notches of the opposite head-bars. When a suitable number of side bars have thus been assembled, wedges 5 are driven in between the outer faces of the head-bars and stakes 6, which are driven into the ground at opposite sides of the base or bed, whereby the side bars are snugly embraced between the head-bars. The spaces bounded by the side bars and the head-bars are then filled with plastic material and permitted to stand until it becomes set sufficiently to enable the removal of the head-bars and side bars without injuring the casts, which may be done before the posts have become thoroughly set, whereby the mold may be reassembled and again filled without waiting for the original posts to become entirely set. It will here be noted that with the exception of the opposite terminal sides each side bar forms one side of two adjacent mold-boxes, whereby a plurality of mold-boxes may be set up in a minimum of space.

To remove the mold-boxes from the casts, the wedges 5 are driven out. Then the head-bars are removed from the side pieces, and then the side pieces are drawn out from between the casts, leaving the green posts to harden, while the mold-boxes may be again assembled in another place without waiting for the posts to become entirely set.

When it is desired to have beveled edges upon the posts, each side bar or plate has a triangular strip 7 nailed or otherwise secured to one face of the bottom of the side with one end terminating short of one end of the side bar and its other end extending slightly beyond the middle of the bar. Upon the other side of the bar there is another similar strip 8, which terminates short of the other end of the bar and extends a suitable distance beyond the middle thereof, whereby the inner end portions of the strips overlap. When a mold-box is set up, the strip 7 of one side and the strip 8 of the other side lie within the mold-box and form beveled edges upon the cast throughout the upper smaller portion thereof.

It is proposed to provide the side bars 4 with aligned perforations 9, through which wires 10 are passed, said wires being withdrawn from the mold prior to taking the latter apart and being employed for the pur-

pose of forming openings through the posts for the reception of fence-wires or fence-wire fastenings.

Each post may be materially stiffened by means of a wire 11, supported upon the wires 10 so as to be held in place when filling the molds. An intermediate portion of the stiffening-wire is bent back and forth, as shown in Fig. 1, so as to provide a plurality of wire strands extending a suitable distance above and below that portion of the post which is to be located at the surface of the ground, thereby to stiffen the post where the greatest amount of strain is applied.

Having thus described the invention, what is claimed is—

A mold comprising a base, oppositely-disposed bars constituting end walls and having their inner faces provided with a plurality of pairs of vertically-disposed kerfs, the distance between adjacent pairs of kerfs being greater than the distance between the kerfs of each pair, converging side bars seated

within corresponding kerfs of the end bars and each provided with a plurality of spaced transverse perforations disposed adjacent the upper longitudinal edge thereof, beveled strips secured to the opposite faces of the side bars at the lower longitudinal edges of said bars and having their inner ends overlapped and spaced from one of the end bars and their outer ends bearing against the adjacent end bar, rods disposed parallel with the end bars and threaded through the perforation in the side bars, abutments spaced from the end bars, and wedge-shaped blocks interposed between the abutments and the adjacent end bars for locking the side bars within the kerfs.

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

FRANCIS M. WHITE.

Witnesses:

A. M. STALNAKER,
J. E. THORP.