

T. H. KRUSE.
CEMENT BLOCK MOLD.
APPLICATION FILED JAN. 12, 1910.

964,112.

Patented July 12, 1910.

Fig. 1.

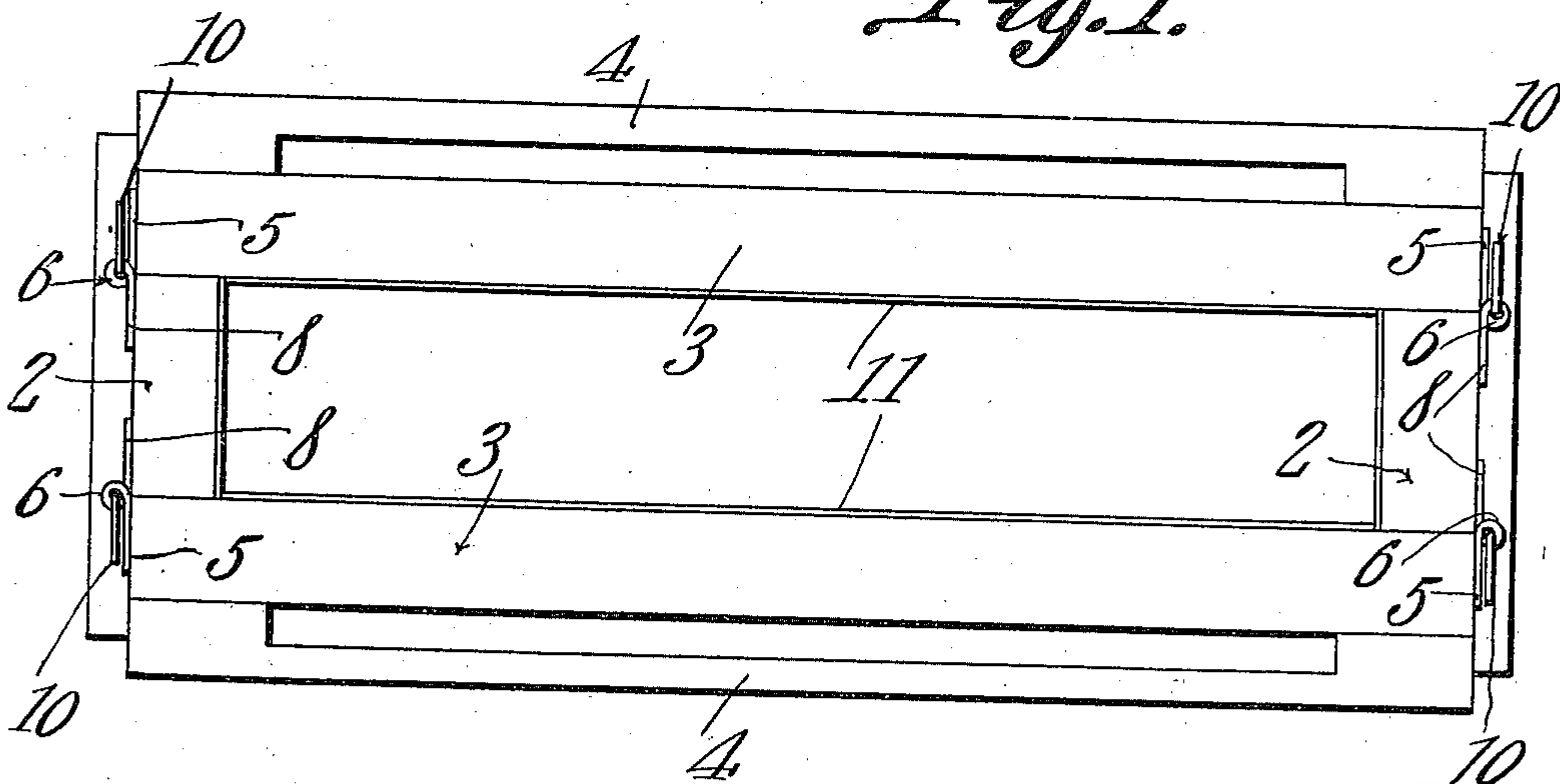


Fig. 2.

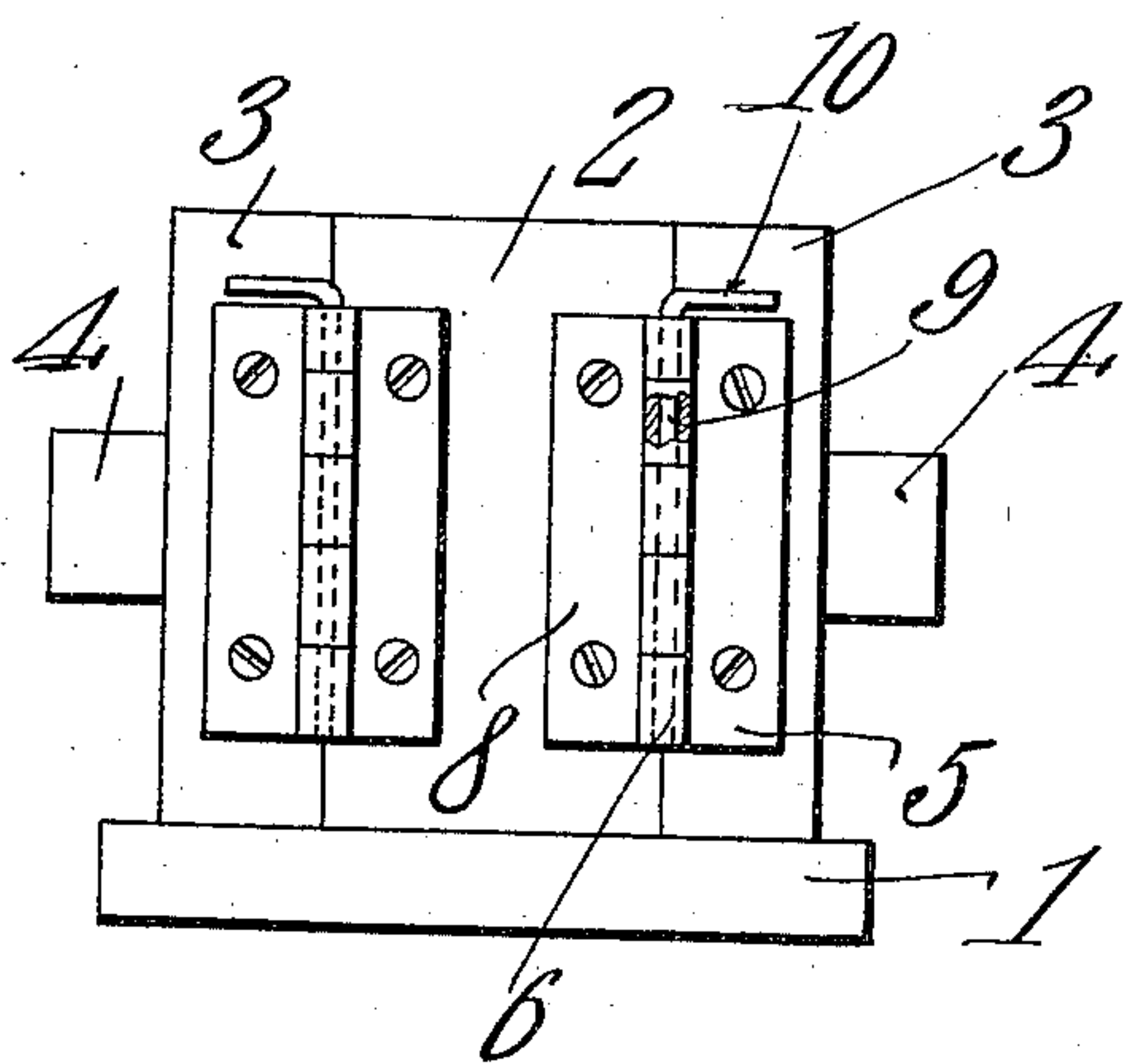
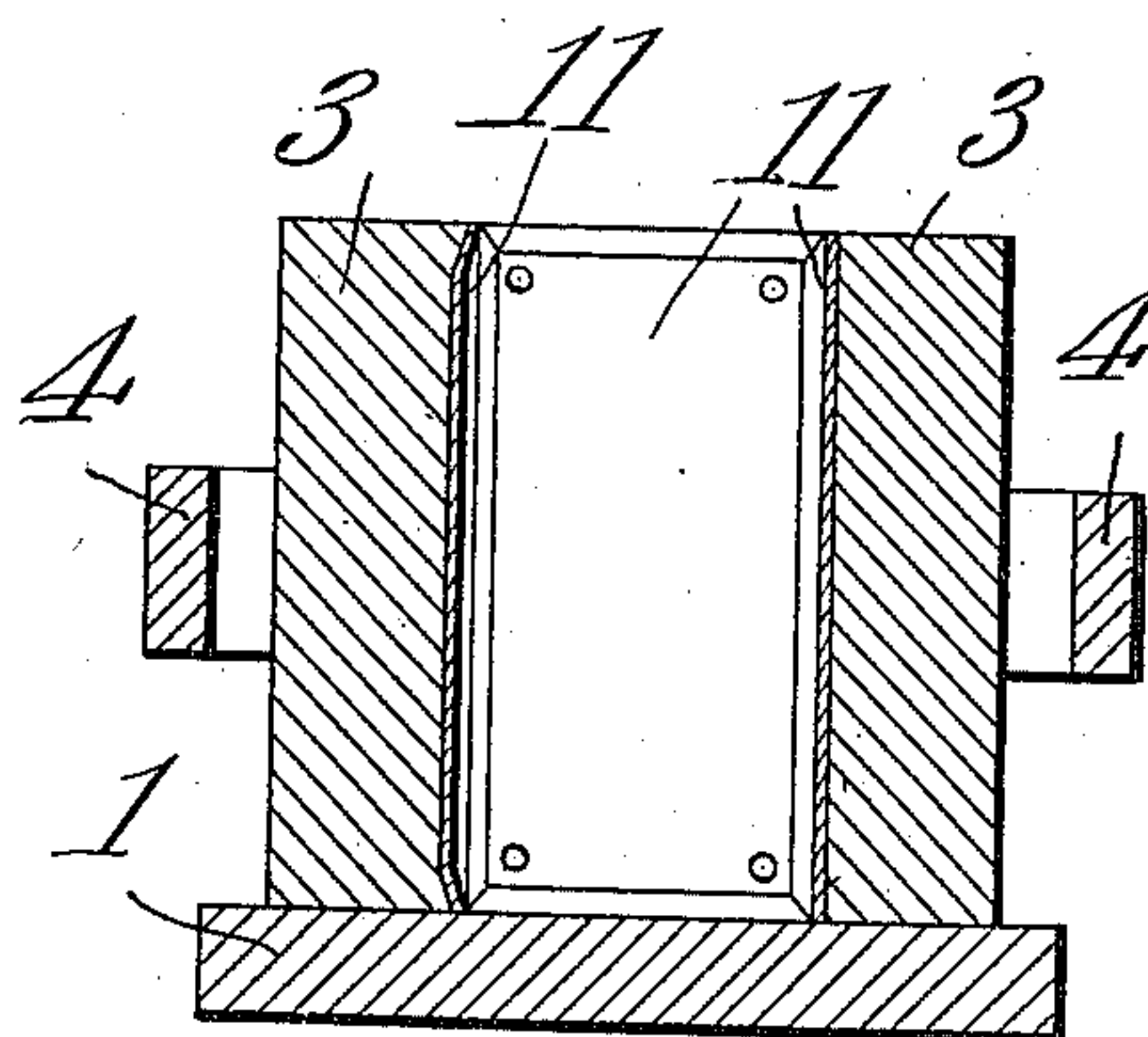


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

THEODORE H. KRUSE, OF ARVADA, COLORADO, ASSIGNOR OF ONE-HALF TO WALTER E. LUPTAN, OF ARVADA, COLORADO.

CEMENT-BLOCK MOLD.

964,112.

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To all whom it may concern:

Be it known that I, THEODORE H. KRUSE, a citizen of the United States, residing at Arvada, in the county of Jefferson and State of Colorado, have invented a new and useful Cement-Block Mold, of which the following is a specification.

My invention relates to improvements in molds for forming concrete blocks and consists in certain novel features hereinafter first fully described and then specifically claimed.

In the accompanying drawings which fully illustrate my invention;—Figure 1 is a plan view of my improved mold. Fig. 2 is an end elevation of the mold. Fig. 3 is a transverse vertical section of the same.

In carrying out my present invention, I employ a base or pallet 1 which may be of any desired dimensions and is intended to serve as a bottom for the mold and as a support for the formed block while the same is drying. Upon the said pallet or base plate I set up end plates 2 and side plates 3, the side plates being provided on their outer faces with handles 4, as clearly shown. On the end edges of the side plates, I secure brackets or plates 5 provided at their edges with ears 6 adapted to fit between and register with similar ears 7 on brackets or plates 8 secured to the outer faces of the end plates, removable pins 9 being inserted through the registering ears and thereby connecting the side and end plates. The upper ends of these pins are bent laterally to form handles 10 which prevent the pins dropping through the ears and by which they may be removed to permit dismemberment of the mold after the block has been formed.

The inner faces or walls of the end plates and side plates may be entirely smooth or they may be given an irregular or other ornamental surface so that any desired design will be produced in the face of the finished block. The entire inner surface of the mold is covered with a smooth sheet metal lining 11, as shown most clearly in Fig. 3. This lining is preferably of brass or zinc which will not affect the temper of the concrete placed in the mold and will not adhere to the same readily so that the block produced in the mold will have a smooth firm face which will not be marred by sticking to the parts of the mold when it is desired to remove the block and which may be painted

easily if so desired. It will be observed on reference to Fig. 3 that the lining on one side and one end is shown with beveled edges. Such an arrangement will produce a corner block with projecting faces and is merely a typical illustration to indicate the capability of the invention.

The block is formed in my mold in the usual manner and may be provided with an embedded reinforcement as will be readily understood. To remove the mold from around a formed block, it is necessary merely to lift the connecting pins from the registering ears of the plates at the ends of the mold and then draw the side plates bodily from the block. It will be noted that the connection between the side and end plates is a hinge-like construction and if a very quick release of the mold from the block is desired, it will be sufficient to remove one pin.

It is to be noted that the linings which are mounted upon inner faces of the side plates 3 are terminated short of the ends of the said side plates. The end plates 2 may be rested upon the pallet, and slid between the side plates 3, the linings upon the inner faces of the end plates 2 abutting against the ends of the linings upon the side plates 3. When the linings thus come into abutment, as shown in Fig. 1, the outer faces of the end plates 2 and the end faces of the side plates 3 will be disposed in a common plane, the ears 7 of the brackets thus being aligned vertically to receive the securing pins 9. Thus, the mold may be set up without lifting any of the parts thereof vertically. It is necessary merely to position the side plates 3, to rest the end plates 2 upon the pallet, and then slide the end plates until their linings abut against the ends of the linings upon the side plates 3. When the parts are thus positioned, the operator may be assured that the ears are properly aligned to receive the securing pins.

Having thus described my invention, what I claim is:

A mold for forming concrete blocks, consisting of a pallet; side plates adapted to rest upon the pallet; end plates adapted to rest upon the pallet and to be slid, in contact with the pallet, into positions between the side plates, and in terminal abutment with the said side plates; brackets mounted upon the end faces of the side plates and

upon the outer faces of the end plates, the
brackets having ears adapted to be verti-
cally alined to receive securing pins; metal-
lic linings upon the inner faces of the end
5 plates; and metallic linings upon the inner
faces of the side plates, the last named lin-
ings outstanding from the plates upon
which they are mounted and being termi-
nated short of the ends of the said plates
10 to serve as abutments for the linings of the
end plates, thereby to dispose the outer

faces of the end plates and the end faces
of the side plates in a common plane, and
to aline the ears vertically for the reception
of the securing pins. 15

In testimony that I claim the foregoing
as my own, I have hereto affixed my signa-
ture in the presence of two witnesses.

THEODORE H. KRUSE.

Witnesses:

ROY C. HOWELLS,
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