

No. 849,392.

PATENTED APR. 9, 1907.

J. W. HERRING.
CEMENT BLOCK MACHINE.
APPLICATION FILED OCT. 20, 1906.

Fig. 2.

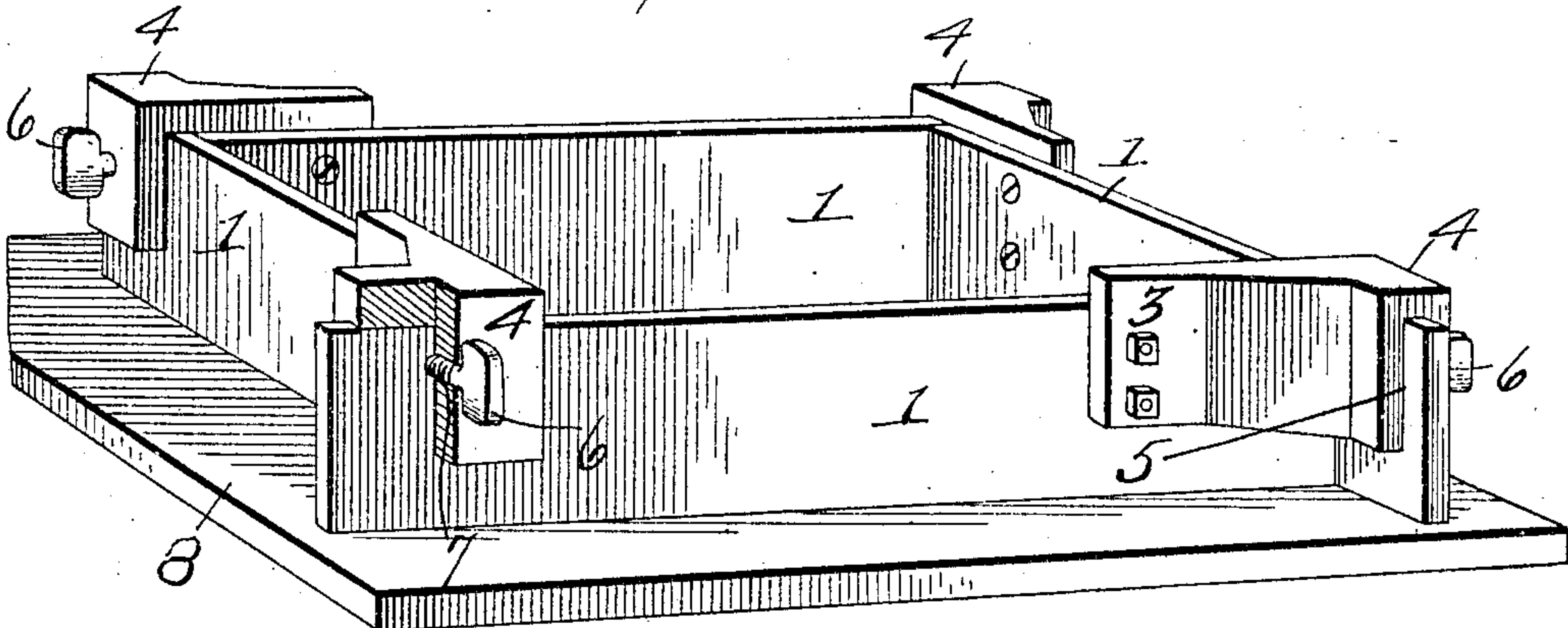


Fig. 3.

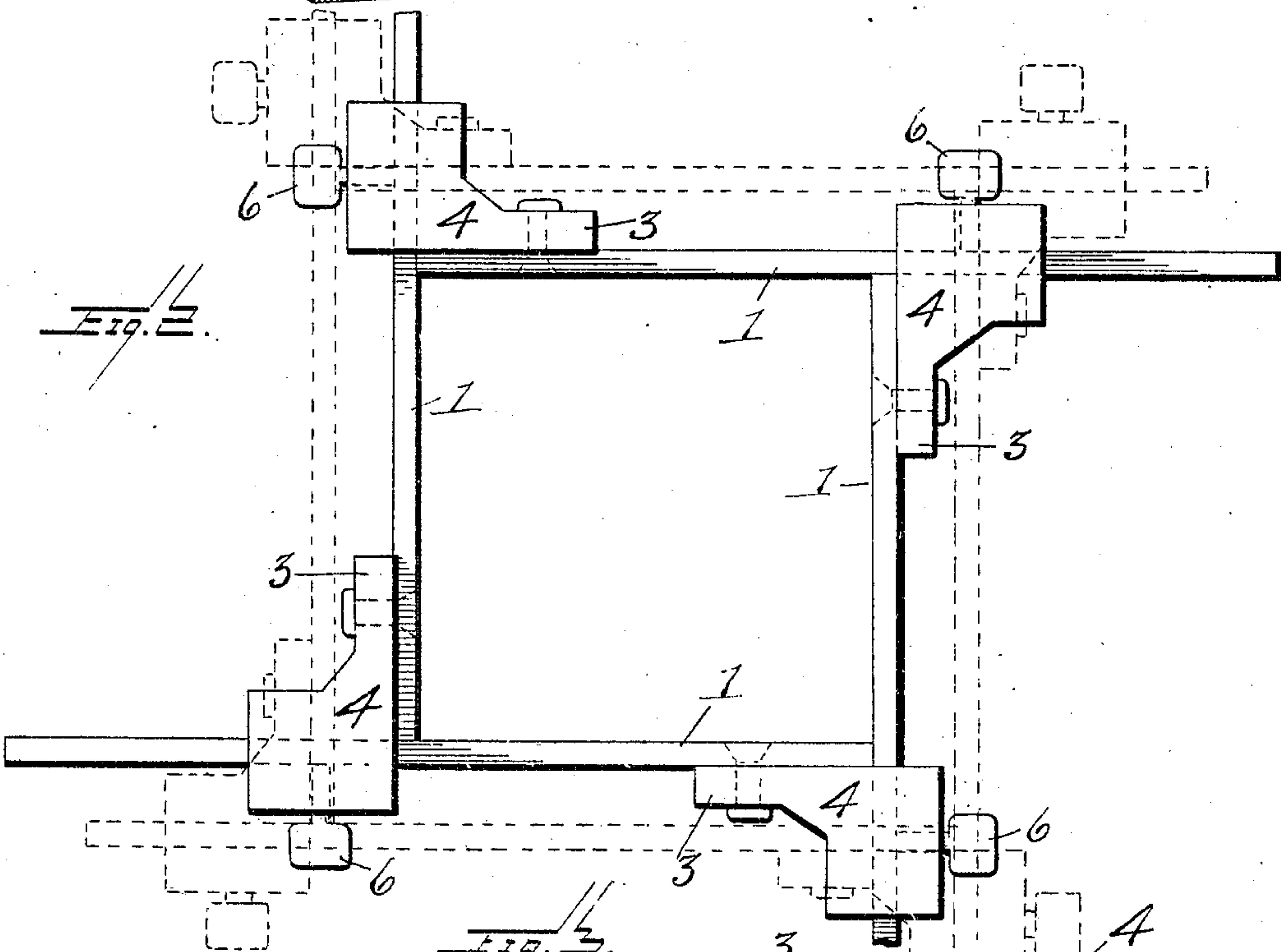
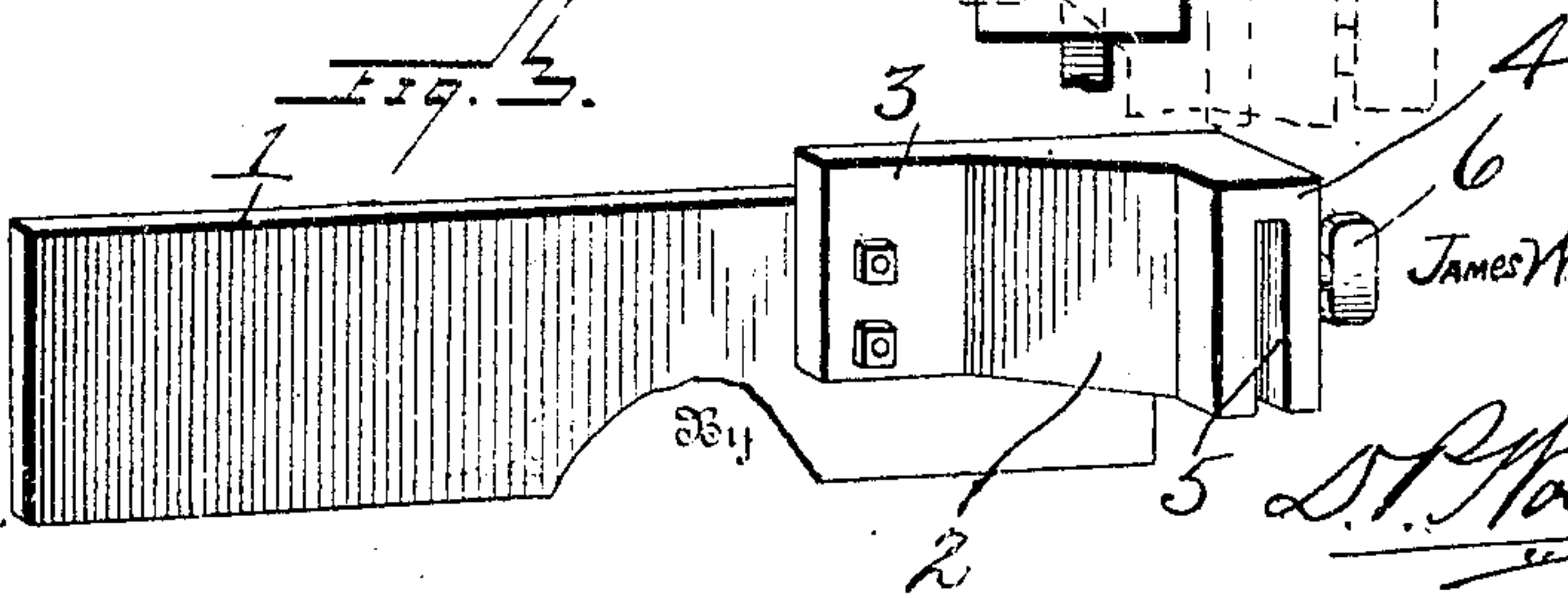


Fig. 4.



Witnesses
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JAMES W. HERRING, OF MOUNT CARMEL, PENNSYLVANIA.

CEMENT-BLOCK MACHINE.

No. 849,392.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed October 20, 1906. Serial No. 339,836.

To all whom it may concern:

Be it known that I, JAMES W. HERRING, a citizen of the United States, residing at Mount Carmel, in the county of Northum-
5 berland and State of Pennsylvania, have invented certain new and useful Improvements in Cement-Block Machines, of which the following is a specification.

10 This invention relates to the general subject of plastic block and earthenware apparatus, and has special reference to that type of block-molding machines designed for molding cement blocks for building and other purposes.

15 To this end the invention has in view a simple, practical, and easily-manipulated cement-block machine in the form of an expansible and contractible mold having a very wide range of adjustment to provide
20 for making cement blocks from a few inches to six or more feet in length, as may be desired, according to the character of block or article to be molded.

With these and many other objects in view, 25 which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and
30 claimed.

The essential features of the invention involved in the novel relation and construction of the mold parts are necessarily susceptible to some structural change without departing
35 from the scope of the invention; but a preferred embodiment thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a cement-block machine or mold embodying the pres-
40 ent invention and shown in the position for use. Fig. 2 is a plan view thereof, showing by full and dotted lines the expansible and contractible character of the construction. Fig. 3 is a detail in perspective of one of the
45 side wall members or parts.

Like references designate corresponding parts in the several figures of the drawings.

The invention as an entirety primarily consists of what may be characterized as an
50 expansible and contractible mold. This mold consists of a plurality of right-angul-
larly arranged and adjustably-connected side wall plates or boards 1. These boards

are of any desired width and length, accord-
ing to the maximum size of mold to be con- 55
structed, and each of the same consists of a
straight rectangular plate or board provided
at one end above the plane of the bottom
corner of that end with an offstanding
coupling-bracket 2. This coupling-bracket 60
of each side wall-plate 1 preferably consists
of a substantial casting formed with an at-
taching-arm 3, bolted or otherwise rigidly
fastened flat upon the outer side of the plate
and also formed with an offstanding or offset 65
keeper-cuff 4, provided therein with a slide-
opening 5, lying in a plane at right angles to
the vertical longitudinal plane of the plate or
board and substantially flush with the con-
tiguous end thereof, as may be plainly seen 70
from the plan in Fig. 2 of the drawings. The
outer side of the keeper-cuff 4 of each
coupling-bracket is fitted with a clamping-
screw 6, whose threaded stem engages a
screw-opening 7, formed in said side of the 75
cuff.

In setting up the mold the side wall-plates
1 are assembled in right-angular abutting re-
lation, and at each corner of the mold the
coupling-bracket 2 of one side wall-plate re- 80
ceives in the slide-opening thereof the
straight and unobstructed portion of the ad-
joining side wall-plate. This arrangement
is preserved throughout the entire mold-
body, so that it will be obvious that by 85
loosening the clamping-screws 6, the dia-
metrically-opposite side walls can be slid
toward and from each other, with the result
of providing for contracting or widening the
molding chamber or space confined within 90
the assembled upright walls.

By reason of locating the coupling-brack-
ets 2 above the plane of the bottom edges of
the side wall plates 1 said bottom edges of
said plates are permitted to rest flat upon a 95
suitable molding table or board 8, which
constitutes the bottom of the mold-wall, at
the same time being entirely separate from
the mold proper to facilitate the handling
and adjustment of the latter. 100

I claim—

A cement-block machine comprising an
expansible and contractible mold-body con-
sisting of a plurality of flat upright right-
angularly-related side wall-plates each of 105
which, at one end, crosses and projects be-

yond the end of another plate, each of said side wall-plates being also provided at one end above the plane of its bottom edge with an offstanding bracket provided with a slide-
5 opening receiving the unobstructed end portion of the adjoining side wall-plate, and a clamping-screw carried by each bracket.

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

JAMES W. HERRING.

Witnesses:

D. W. KEHLER,
JEFFERSON SHIPMAN.