

No. 805,457.

PATENTED NOV. 28, 1905.

J. B. FRANCISCO.
ADJUSTABLE MOLD FOR MAKING BUILDING BLOCKS.

APPLICATION FILED APR. 24, 1905.

2 SHEETS—SHEET 1.

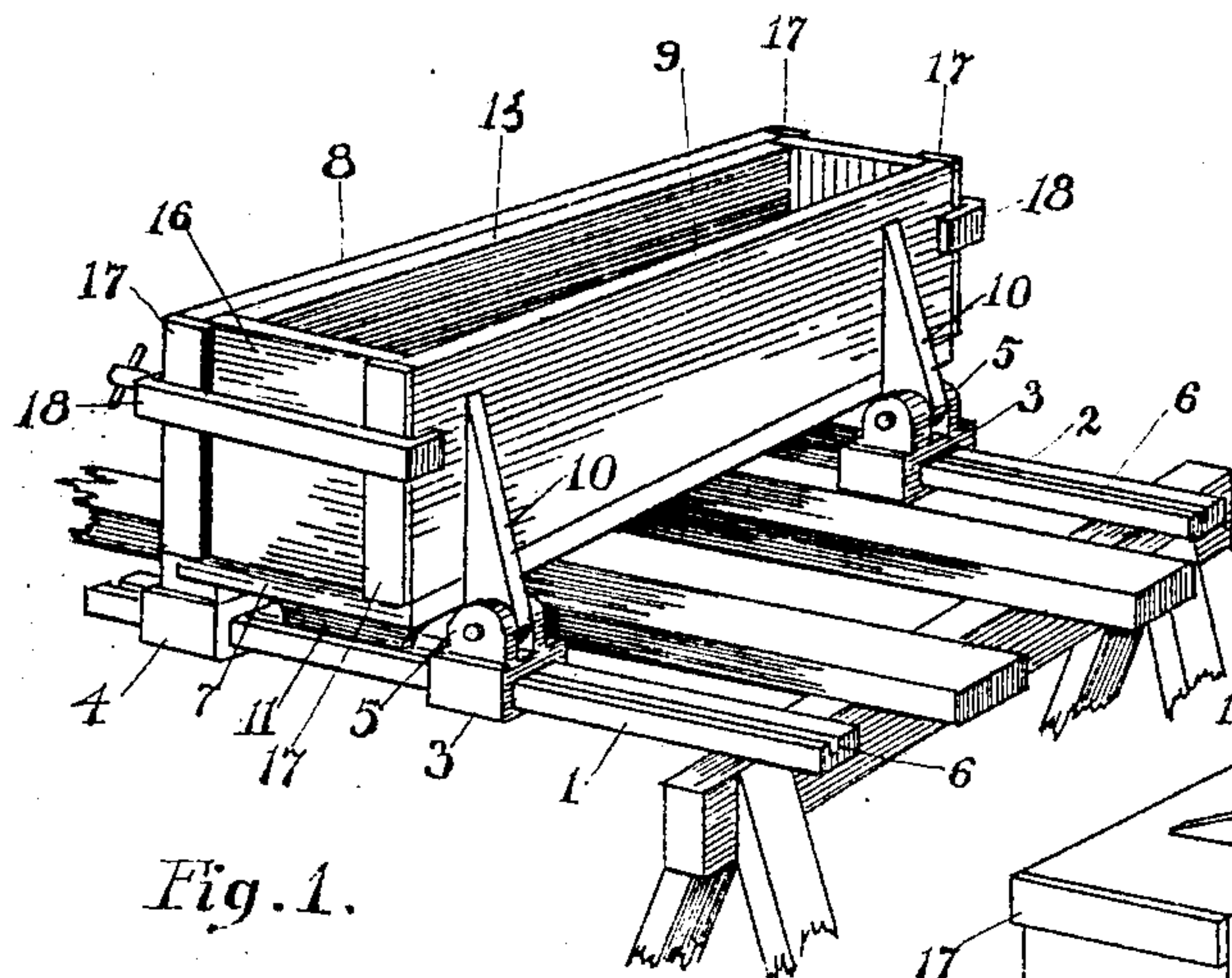


Fig. 1.

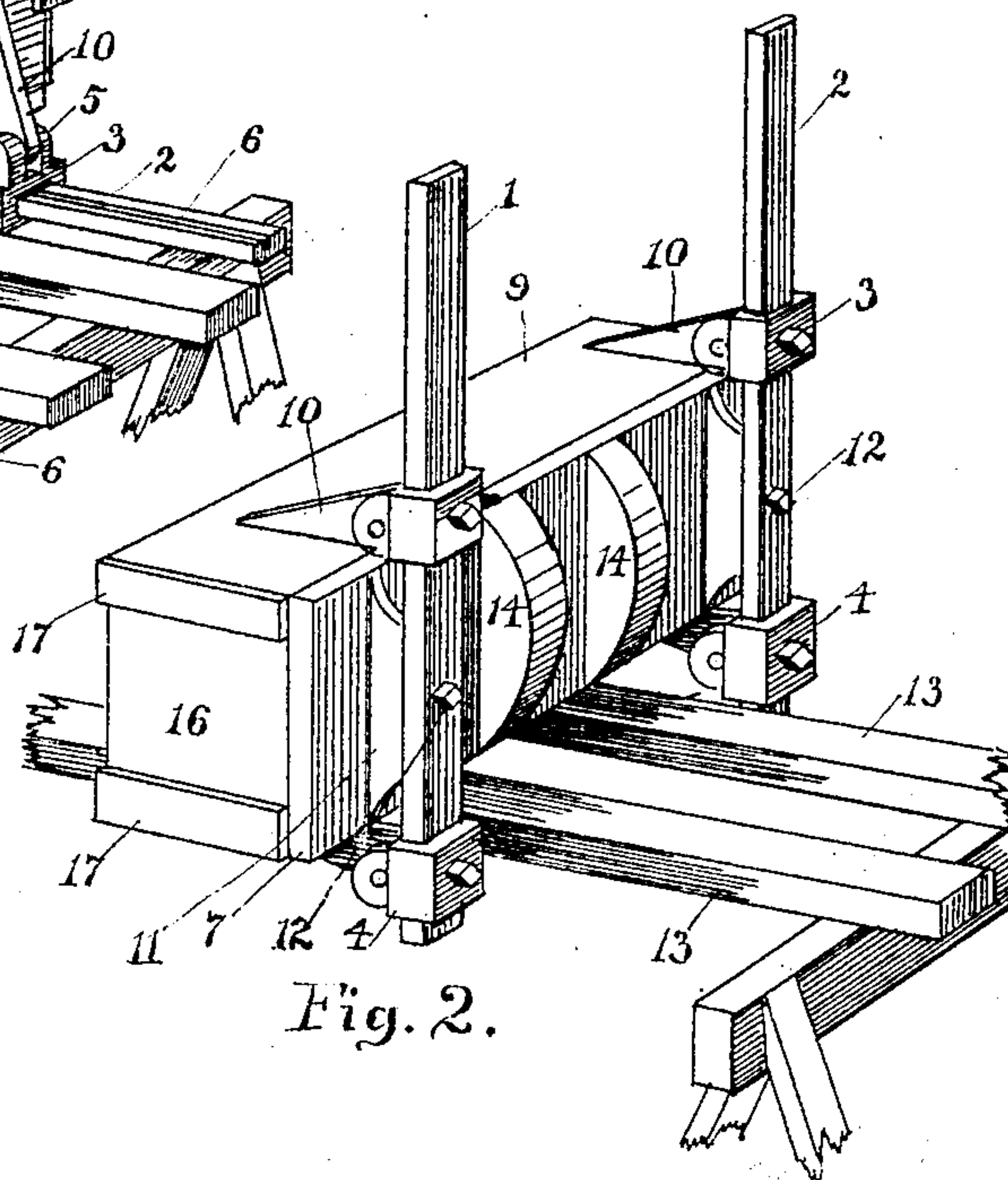


Fig. 2.

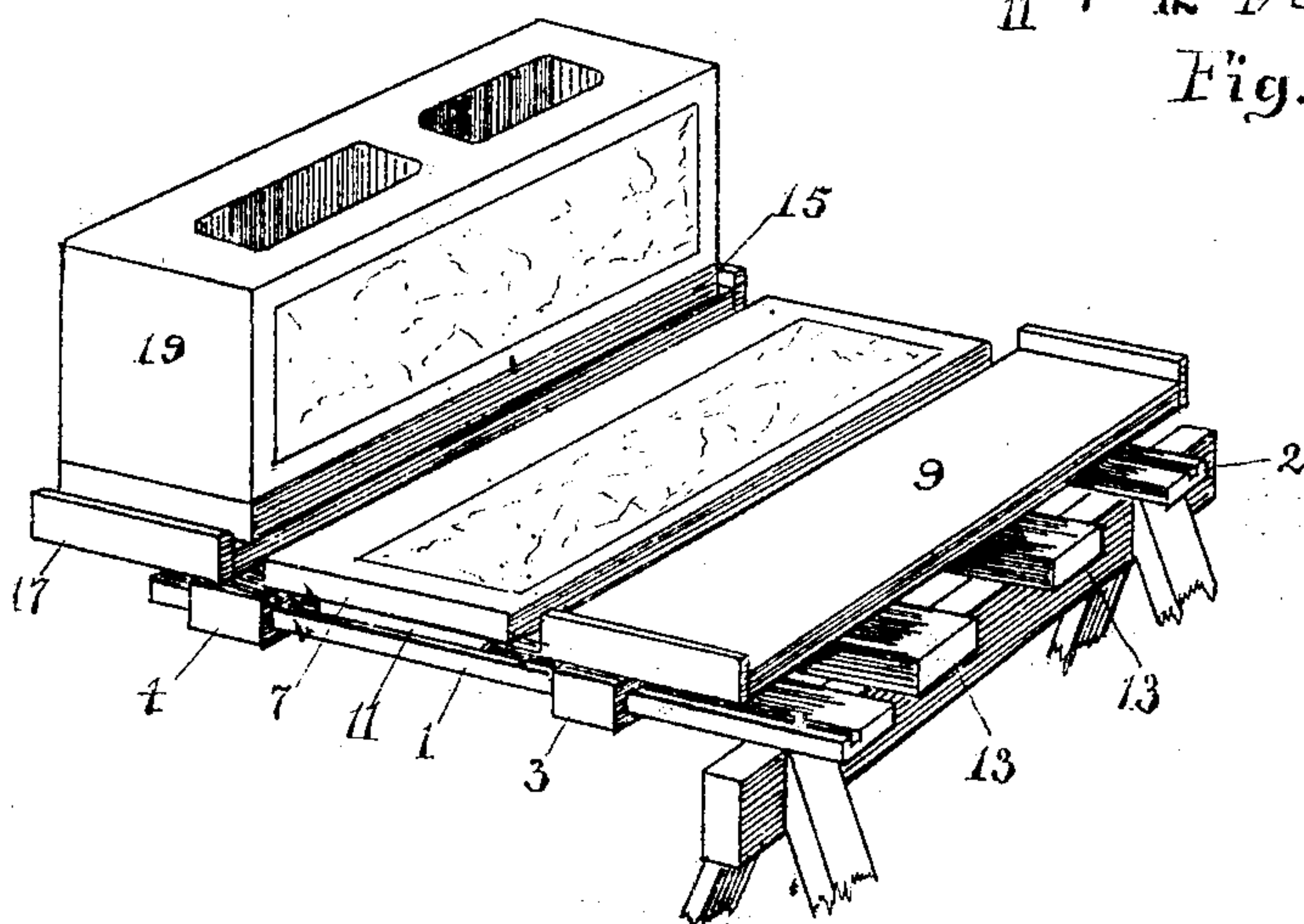


Fig. 3.

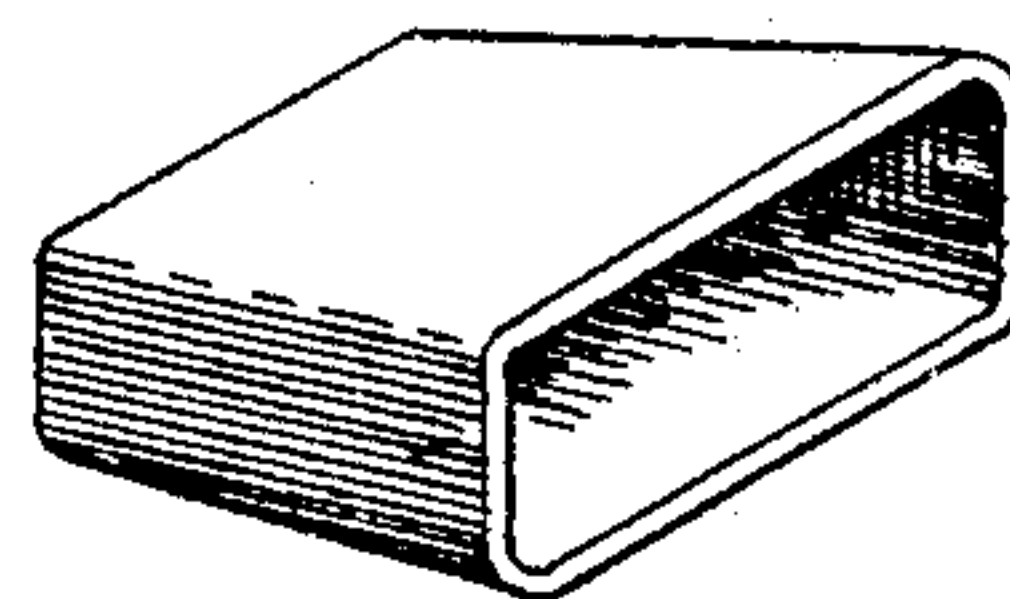


Fig. 4.

WITNESSES:
Chas. M. Francisco,
A. C. Bruce.

INVENTOR
Joseph B. Francisco

No. 805,457.

PATENTED NOV. 28, 1905.

J. B. FRANCISCO.

ADJUSTABLE MOLD FOR MAKING BUILDING BLOCKS.

APPLICATION FILED APR. 24, 1905.

2 SHEETS—SHEET 2.

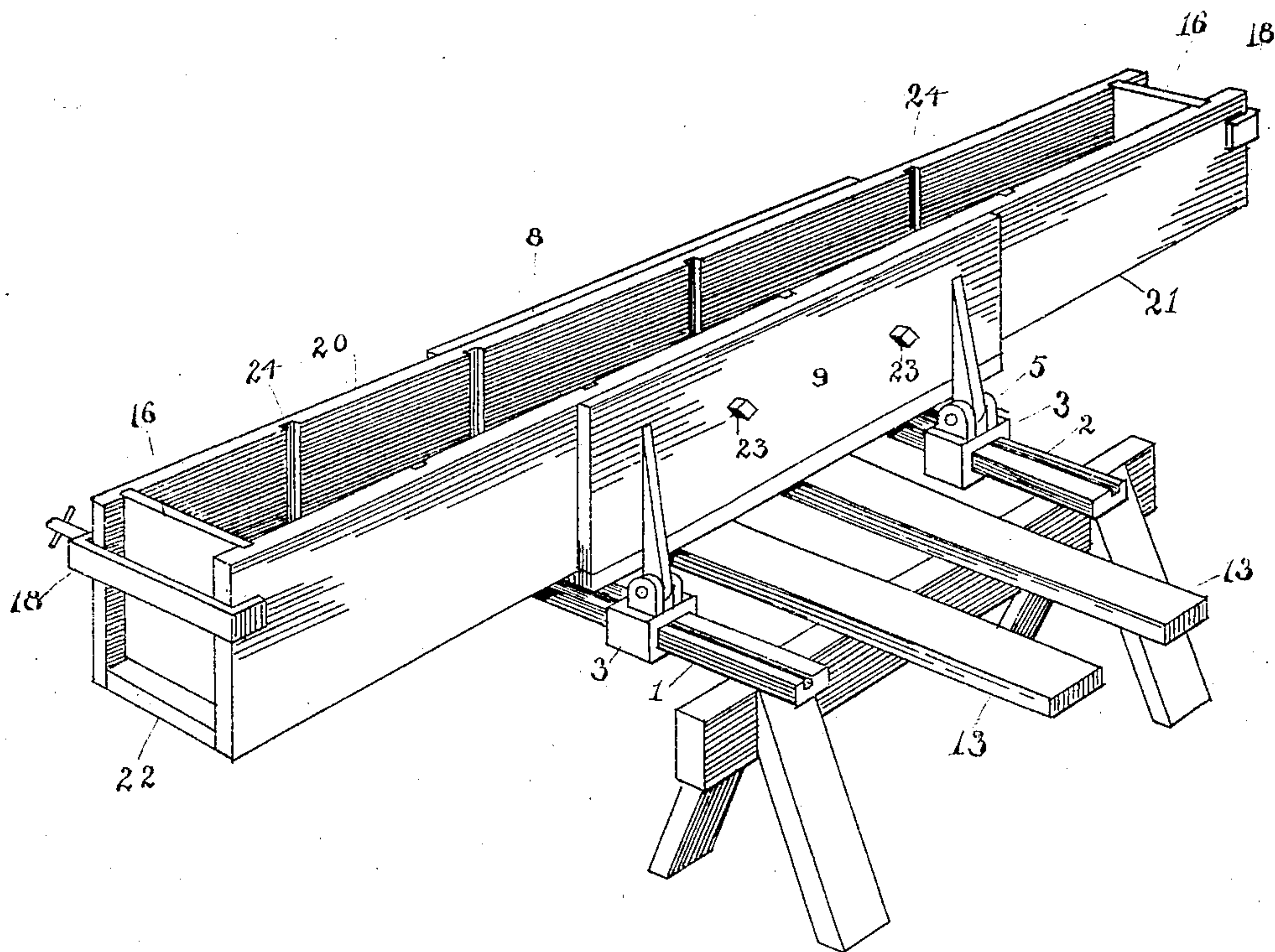


Fig. 5.

WITNESSES:
Chas. B. Francisco
A. E. Bruce

INVENTOR
Joseph B. Francisco

UNITED STATES PATENT OFFICE.

JOSEPH B. FRANCISCO, OF COLUMBUS, OHIO.

ADJUSTABLE MOLD FOR MAKING BUILDING-BLOCKS.

No. 805,457.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed April 24, 1905. Serial No. 257,131.

To all whom it may concern:

Be it known that I, JOSEPH B. FRANCISCO, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Molds for the Manufacture of Concrete Building-Blocks, of which the following is a specification.

My invention relates to certain new and useful improvements in molds for the manufacture of concrete building-blocks, in which the sides are adjustably hinged to arms attached to the bottom in such a manner as to adapt the mold to the manufacture of various sizes of blocks. The bottom is provided with rockers to facilitate rolling the filled mold on its side preparatory to opening, and the sides are adapted to receive false sides by which the size of the block may be increased at will, as is fully illustrated in the accompanying drawings, in which—

Figure 1 shows the mold closed ready to be filled. Fig. 2 shows the mold rolled over on its side preparatory to opening. Fig. 3 shows the mold opened exposing the finished block. Fig. 4 is a detail of the core used to produce the hollow in the blocks. Fig. 5 shows the mold with false sides in place for the manufacture of long blocks.

Like numerals refer to like parts in the various views.

The arms 1 and 2 have on their upper sides the slots 6 to receive the projections 11 of the bottom 7 and are secured there by the screws 12. Mounted on these arms 1 and 2 are sliding blocks 3 and 4, which have on their upper surface the lugs 5. The sides 8 and 9 are provided with the ribs 10, the lower ends of which engage the lugs 5, forming hinges by which the sides 8 and 9 are adjustably connected with the arms 3 and 4 and through them with the bottom 7. Cast integral with the bottom 7 are the rockers 14, which are designed to rest on suitable planks or a track 13, allowing the mold to be readily tipped on its rear side 8 preparatory to opening. The arms 1 and 2 are entirely free from any support, except that the forward ends engage the cross-pieces in which the planks 13 rest, thereby preventing the mold from rolling forward while being filled.

In the process of making a block the sides 8 and 9 are adjusted to fit the bottom 7 and

the ends 16 are securely held in place by the clamps 18. The cleats 17 are attached to the sides 8 and 9 to prevent the ends 16 from being forced out. A false lining 15, made of plank or any other suitable material, is placed against the side 8 and the mold is filled with concrete. If it is desired to make the block hollow, when the mold has been partially filled the cores are inserted and the filling continued. After filling the mold is rolled over on its rear side 8 by means of the rockers 14, the clamps 18 are removed, the side 9 is swung back against the arms 1 and 2, and the bottom 7 is rocked back to its normal position, exposing the casting, which may be lifted to one side by means of the false lining 15. When it is desired to make long blocks, the false sides 20 21 and false bottom 22 are inserted in the mold and secured to the sides 8 and 9 and the bottom 7 by the screws 23. These false sides are provided with a multiplicity of slots 24, spaced at desirable intervals to receive the ends 16, forming a mold of any desired length.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A mold for the manufacture of concrete building-blocks, having a bottom supported by rockers, having arms secured to said bottom on which the side plates are slidably hinged, substantially as set forth.

2. A mold for the manufacture of concrete building-blocks having a bottom supported by a rocker, arms attached to said bottom; sides slidably hinged to said arms, and false sides secured to said side plates; false bottom 22 secured to bottom 7, substantially as set forth.

3. A mold for the manufacture of concrete building-blocks, having a bottom supported by rockers, arms attached to said bottom, side plates slidably hinged to said arms, false sides secured to said side plates; a multiplicity of slots for the reception of end plates spaced at desirable intervals along the false sides substantially as set forth.

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

JOSEPH B. FRANCISCO.

Witnesses:

PEARL FRANCISCO,
A. E. BRUCE.