

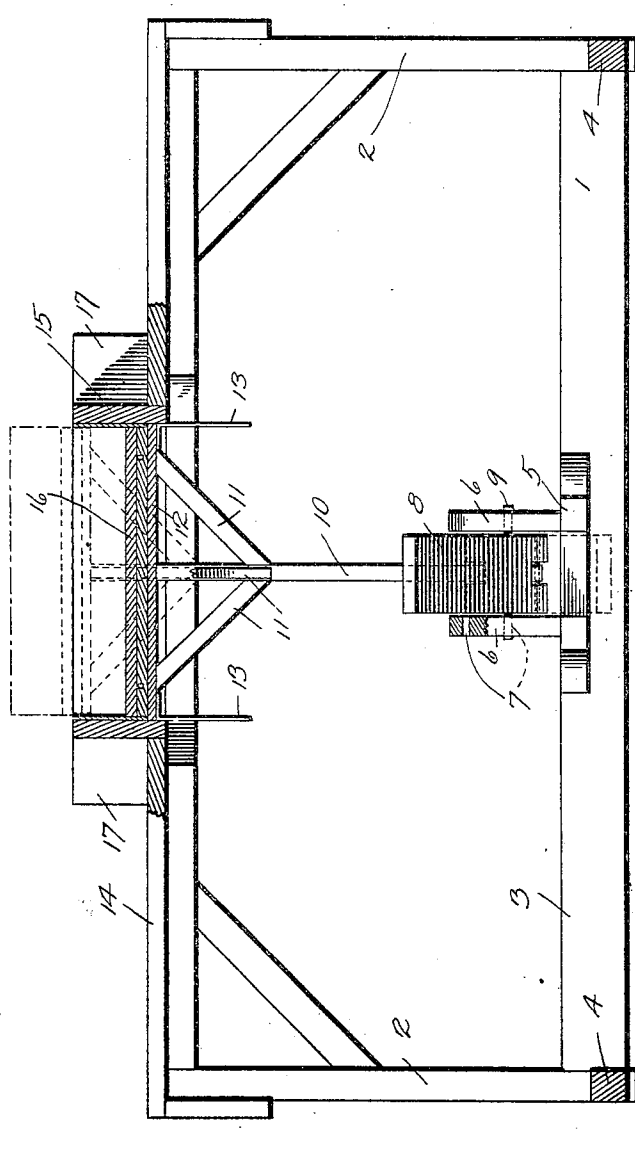
No. 800,501.

PATENTED SEPT. 26, 1905.

F. SIMONSEN.  
CONCRETE BLOCK MOLD.  
APPLICATION FILED JUNE 29, 1905.

3 SHEETS—SHEET 1.

Fig. 1.



Witnesses  
Geo. Hilton  
C. H. Giesbauer

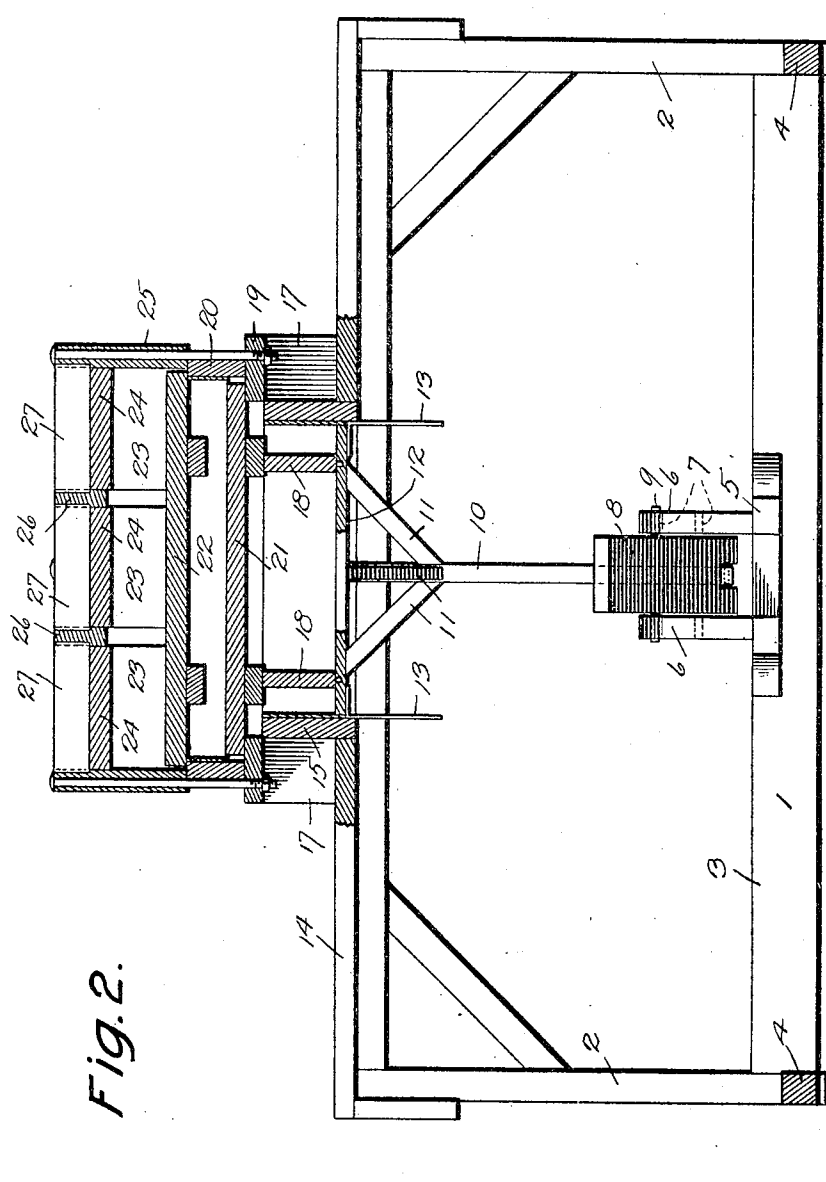
Inventor  
Fred Simonsen,  
by *A. B. Wilson*  
Attorney

No. 800,501.

PATENTED SEPT. 26, 1905.

F. SIMONSEN.  
CONCRETE BLOCK MOLD.  
APPLICATION FILED JUNE 29, 1905.

3 SHEETS—SHEET 2.



*Fig. 2.*

Witnesses

Geo. Hilton  
C. H. Griesbauer.

Inventor

*Fred Simonsen,*

By *A. B. Wilson*

Attorney

F. SIMONSEN.  
CONCRETE BLOCK MOLD.  
APPLICATION FILED JUNE 29, 1905.

3 SHEETS—SHEET 3.

Fig. 3.

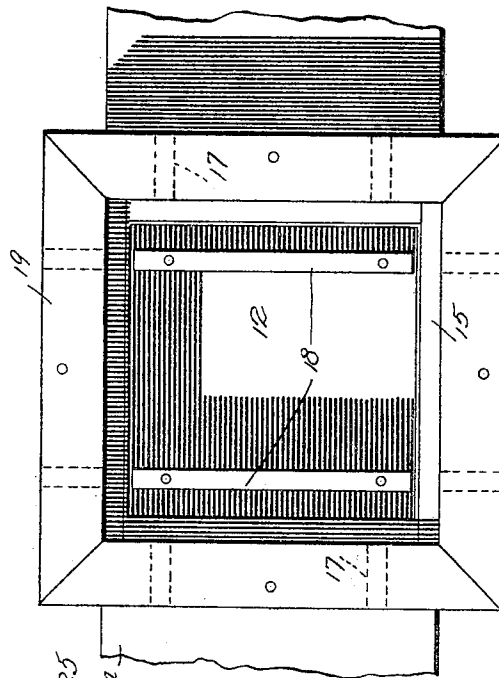
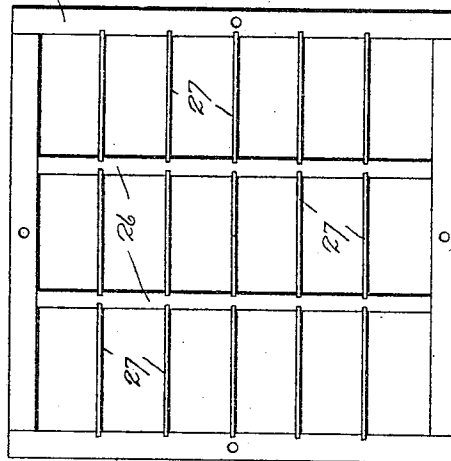


Fig. 4.



Witnesses

*Esco. Hilton*  
*C. H. Giesbauer*

Inventor  
*Fred Simonsen,*

By *A. B. Wilson*  
Attorney

# UNITED STATES PATENT OFFICE.

FRED SIMONSEN, OF GRAETTINGER, IOWA.

## CONCRETE-BLOCK MOLD.

No. 800,501.

Specification of Letters Patent.

Patented Sept. 26, 1905.

Application filed June 29, 1905. Serial No. 267,639.

*To all whom it may concern:*

Be it known that I, FRED SIMONSEN, a citizen of the United States, residing at Graettinger, in the county of Palo Alto and State of Iowa, have invented certain new and useful Improvements in Concrete-Block Molds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to molds for making concrete blocks or bricks for building or other purposes; and one of the principal objects of the invention is to provide a mold which can be quickly converted or adjusted for molding blocks or bricks of different dimensions and which may be adjusted for molding several blocks or bricks at the same time and by one operation of the machine.

Another object is to provide a machine for molding blocks, bricks, or slabs of concrete, clay, or other plastic material which shall be of simple construction and of reliable and efficient operation.

These and other objects are attained by means of the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation and partial section of a machine made in accordance with my invention, the machine being adjusted for making a rectangular block or slab. Fig. 2 is a similar view of the machine adjusted for the manufacture of blocks or bricks of different sizes. Fig. 3 is a plan view of one of the molds, and Fig. 4 is a similar view of one of the other molds.

Referring to the drawings for a more particular description of the invention, the numeral 1 designates the framework of the machine, comprising the uprights or legs 2, the longitudinal bars 3, and the cross-bars 4. Extending centrally between the bars 3 is a platform 5, having upwardly - extending treadle-bearings 6, provided with a series of apertures 7. A foot lever or treadle 8 is pivoted between these bearings and may be adjusted by the pin 9 in any one of the series of apertures 7. Pivotaly connected to the inner end of the foot-lever is an upright rod or bar 10, provided with diagonal outwardly-extending braces or supports 11. Supported upon the upper ends of these braces and of the upright rod is a movable block-support 12, provided with downwardly-extending guide-

strips 13. Supported at the upper portion of the frame is a table 14, and centrally disposed upon said table is a mold-box 15, through which the movable block-support 12 is adapted to be moved for discharging the brick or block after it has been molded within the box. A cover-plate 16 is arranged to fit the top of the mold-box. In this condition the machine is adapted to mold bricks or blocks of rectangular outline and of a thickness corresponding to the depth of the mold-box.

Secured to the mold-box at suitable points is a series of brackets or supports 17, and extending across the box are supports 18. A rectangular rim or support 19 is arranged to be bolted upon the brackets 17. A rim or box 20 is then placed in position and a bottom plate 21 is placed therein. A guide-frame 22 is placed upon the rim, said guide-frame being provided with a series of spaced blocks 23 for supporting the removable base-plates 24. A mold-box 25 is then placed in position, said mold-box being provided with partitions 26, and metallic strips 27 extend from the partitions to the sides of the box and between the partitions in the center to form small bricks or blocks when the foot-lever has been properly adjusted for discharging the same from the upper ends of the mold-box.

The operation of my invention may be described as follows: When it is desired to form rectangular bricks or blocks of any required size, the foot-lever is properly adjusted, so that the bottom of the mold may be moved within the mold-box to discharge the blocks at the top upon a tray or board. When it is desired to form blocks of different sizes, the boxes are superposed one above the other and the foot-lever properly adjusted to discharge the bricks or blocks at the top.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a machine for molding blocks, a frame, a table, a mold-box secured thereto, a series of brackets secured to said mold-box, a rim supported upon said brackets, a second mold-box supported upon the said rim, a foot-lever, a mold bottom or plunger supported upon said

foot-lever, and means for adjusting the throw of said foot-lever, substantially as described.

2. In a machine for molding bricks or blocks, a table or support, a mold-box thereon, a mold-  
5 bottom supported upon an upright pivoted at its lower end to a foot-lever, guide-strips secured to said bottom, means for adjusting the throw of said foot-lever, brackets secured to said mold-box, a rim supported upon said  
10 brackets, a superposed mold-box provided with partitions, dividing-strips removably se-

cured to said partitions for molding small blocks, and removable base-boards for said box, substantially as described.

In testimony whereof I have hereunto set 15 my hand in presence of two subscribing witnesses.

FRED SIMONSEN.

Witnesses:

H. G. HARRISON,  
C. S. GEORGE.