

No. 847,120.

PATENTED MAR. 12, 1907.

T. SEDERWALL.
BRICK MACHINE.

APPLICATION FILED JAN. 7, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

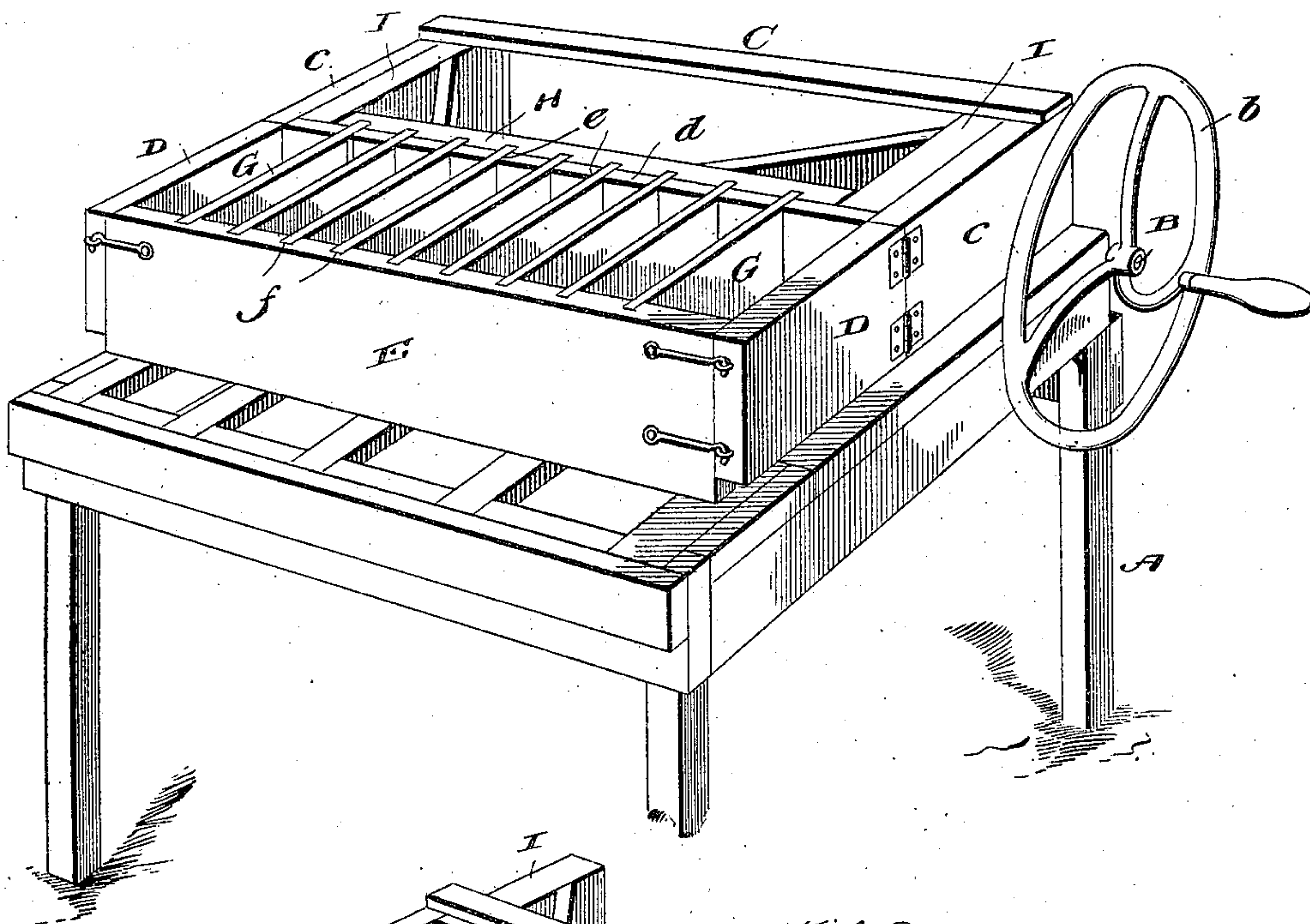
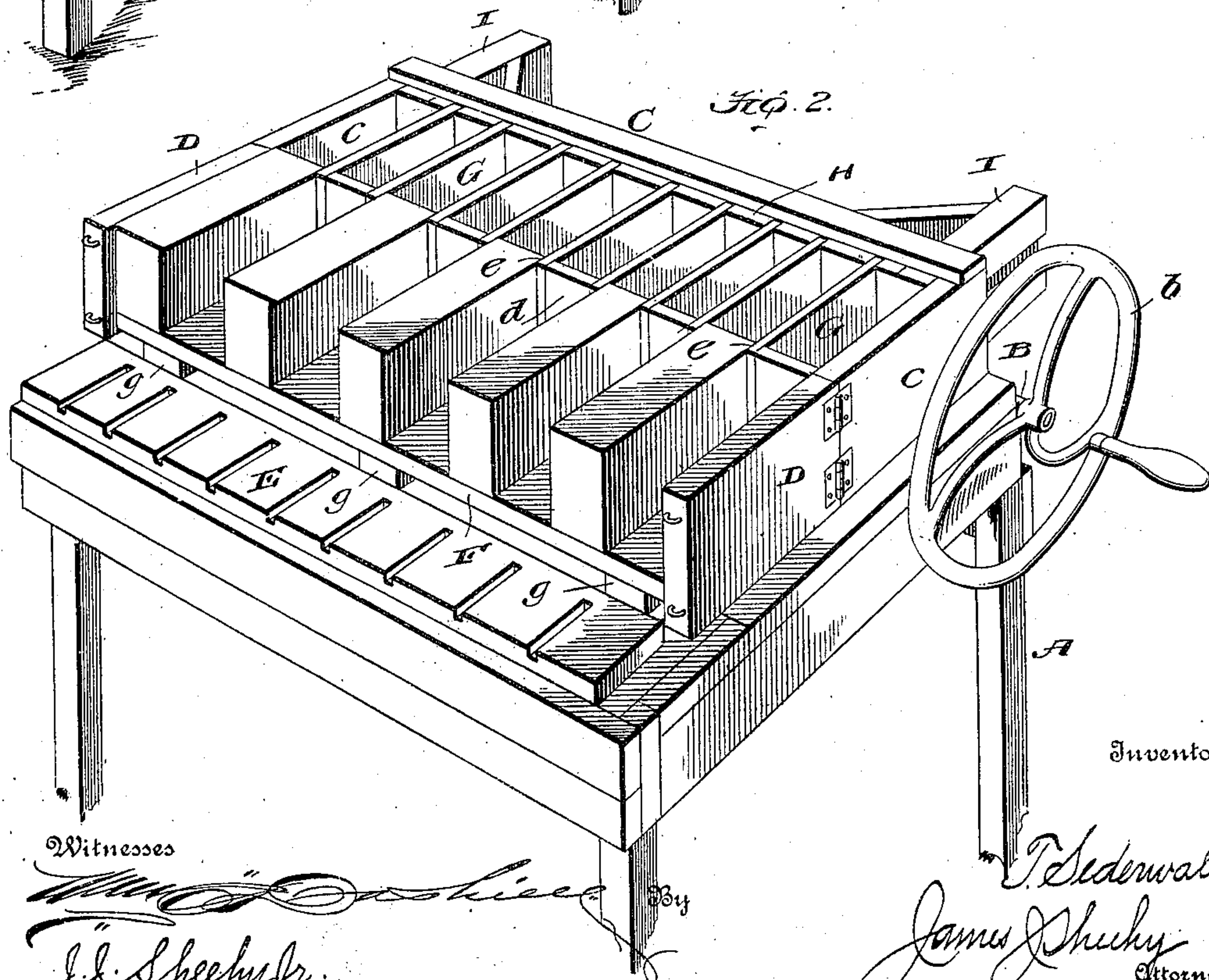


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

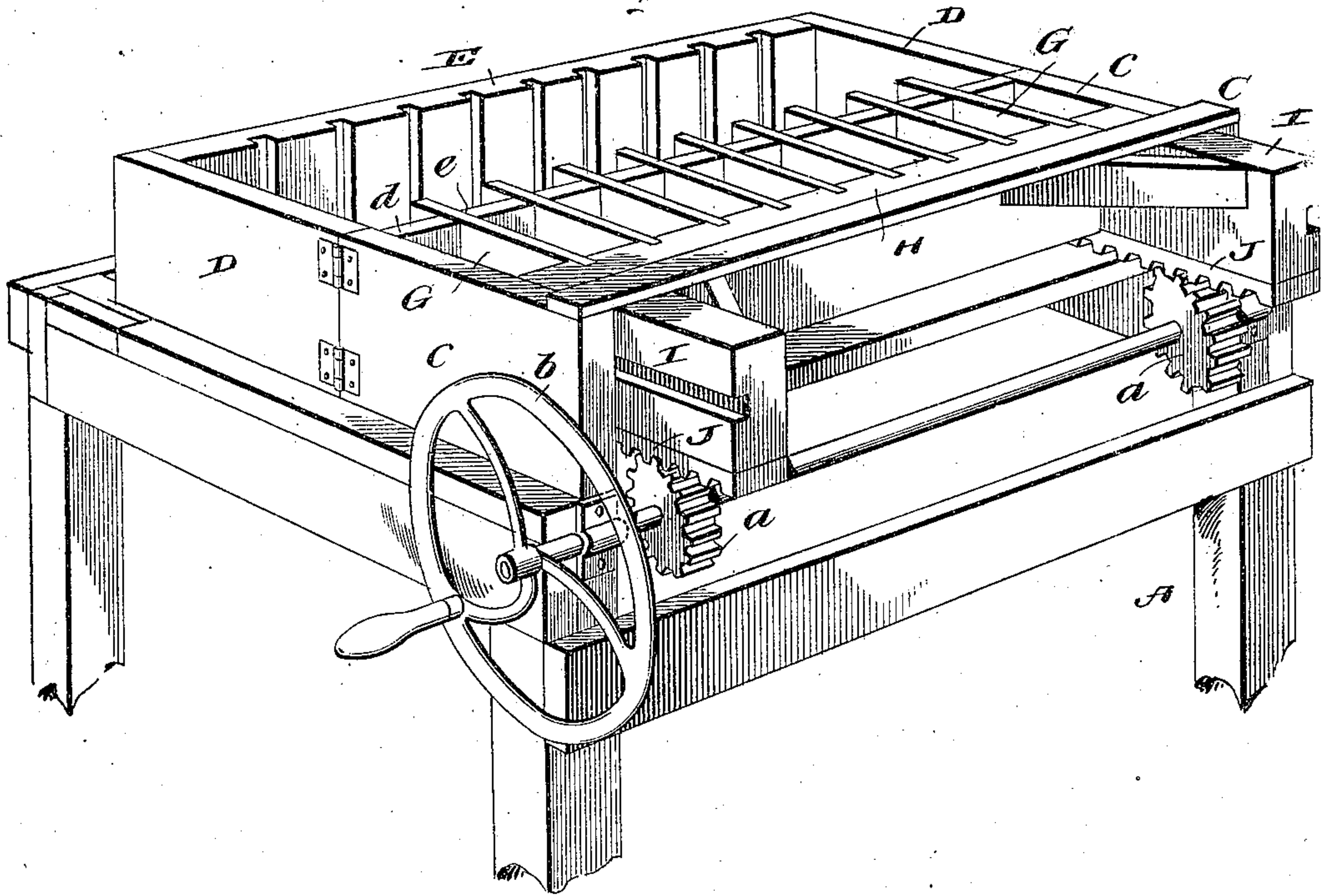
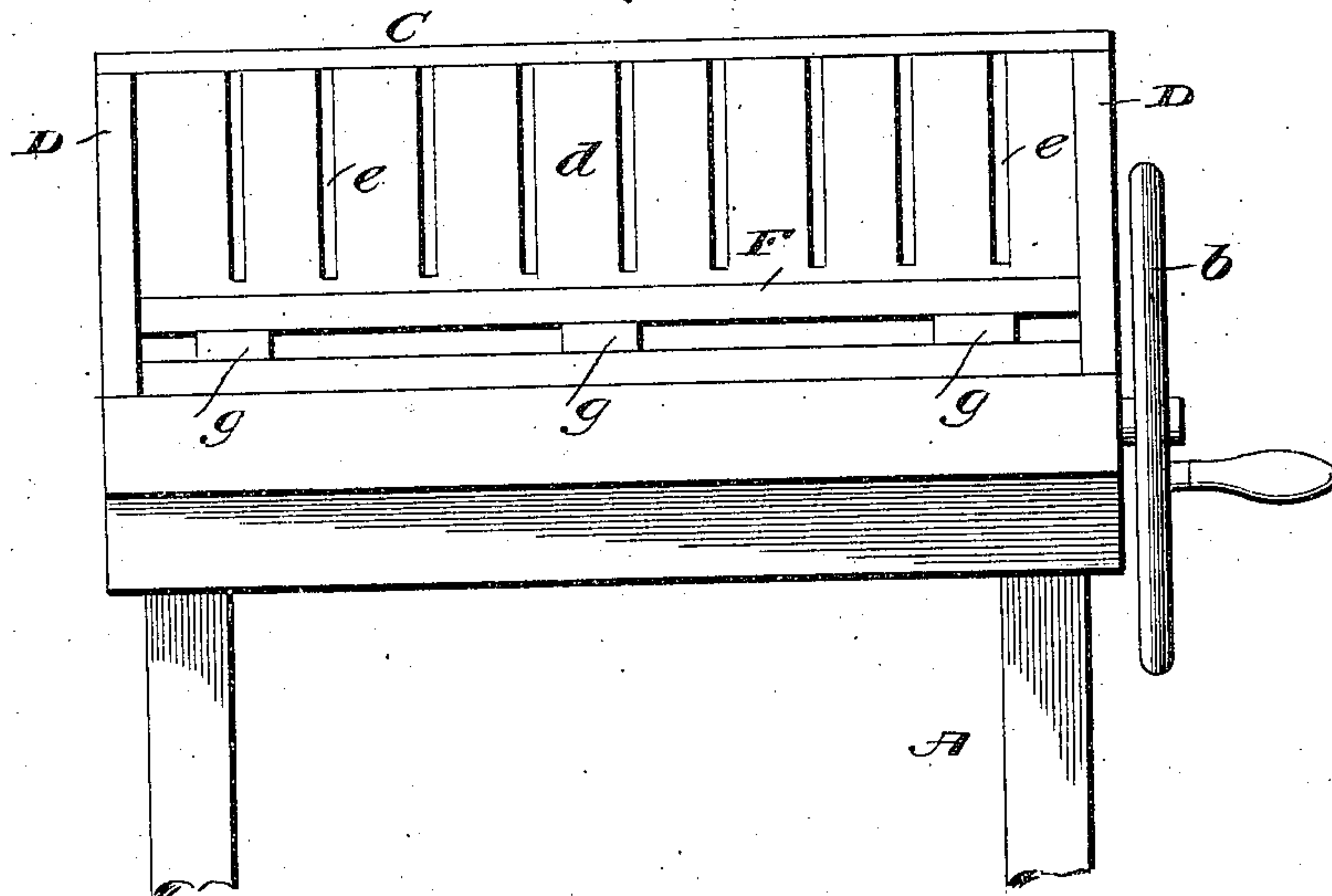


Fig. 4.



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UNITED STATES PATENT OFFICE.

THEODORE SEDERWALL, OF BARRY, ILLINOIS.

BRICK-MACHINE.

No. 847,120.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed January 7, 1907. Serial No. 351,240.

To all whom it may concern:

Be it known that I, THEODORE SEDERWALL, a citizen of the United States, residing at Barry, in the county of Pike and State of Illinois, have invented new and useful Improvements in Brick-Machines, of which the following is a specification.

My invention pertains to machines for making bricks and the like; and it contemplates the provision of a simple, inexpensive, and easily-operated machine through the medium of which a plurality of bricks may be expeditiously formed at one time and from which the bricks and the pallet bearing the same may be quickly and easily removed subsequent to the formation of the bricks.

With the foregoing in mind the invention will be fully understood from the following description and claim when the same are read in connection with the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view illustrating the machine constituting the present and preferred embodiment of my invention as the same appears when ready to receive plastic material in its molds. Fig. 2 is a perspective view showing the machine with certain of its parts positioned to permit of the ready removal of the pallet and the molded bricks thereon. Fig. 3 is a rear perspective view of the machine, and Fig. 4 is a front elevation with the front wall removed and the bricks omitted.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which—

A is the stand or support of my novel machine. The said stand or support may be of any construction compatible with my invention, and on the rear portion of the same is journaled in suitable bearings a shaft B, equipped with spur-gears *a* and a crank-wheel *b* for a purpose presently set forth.

Fixed on the top of the stand A is the body C of the machine. The said body C comprises side walls *c* and a front wall *d*, the said front wall *d* extending between the forward ends of the side walls *c* and being provided with nine (more or less) vertical kerfs or notches *e*, which extend from its upper edge down to a horizontal plane slightly above its lower edge, as shown in Fig. 4.

D D are walls hinged to the forward ends of the side walls *c* of body C.

E is a wall detachably connected to the walls D, preferably through the medium of hooks and eyes, as shown, and having vertical grooves *f* in its inner side positioned to align with the kerfs or notches *e* in the front wall *d* of the body.

F is a pallet, which is preferably provided at its under side with strips *g* and is designed to be removably arranged on the top of the stand A and between the front wall *c* of body C and the walls D and E, and G G are the dividing-plates, which serve, in combination with the walls *d*, D, and E and the pallet F, to form the several molds of the machine. The said dividing-plates are movable fore and aft through the kerfs or notches *e* in the body-wall *d* and are carried by and extend forward from a bar H, on the ends of which are rearwardly-extending arms I. These arms are provided with racks J, Fig. 3, and the said racks are intermeshed with the spur-gears *a*, whereby it will be apparent that when the crank-wheel *b* is turned in one direction the dividing-plates *g* will be moved rearwardly, and when the wheel *b* is turned in the opposite direction the dividing-plates will be moved forward.

In the practical use of my novel machine the parts are positioned as shown in Fig. 1, and suitable plastic material is placed in the several molds. Then after the material is tamped and troweled smooth in the molds the crank-wheel *b* is turned to run the dividing-plates G back, and the walls D and E are opened, as shown in Fig. 2, to clear the bricks when the pallet F and the green bricks thereon may be readily removed and a fresh pallet placed in position on the stand. Then after the walls D and E are replaced and secured in their closed positions and the dividing-plates G are run forward the machine is ready for the formation of another set of bricks.

I have entered into a detailed description of the construction and relative arrangement of the parts embraced in the present and preferred embodiment of my invention in order to impart a definite understanding of the said embodiment. I do not desire, however, to be understood as confining myself to the said specific construction and relative arrangement of parts, as such changes or modifications may be made in practice as fairly fall within the scope of my invention as claimed.

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

5 A brick-machine comprising a stand flat at its upper side, a body fixed on the upper side of the stand and having side walls and also having a forward wall in which at intervals of its length are vertical notches or kerfs, side walls hinged to and extending forward from the forward ends of the side walls of the body, a removable front wall arranged on the flat upper side of the stand and between the hinged side walls and having vertical grooves in its inner side, means 10 for detachably connecting said front wall to the hinged side walls, a removable pallet resting on the flat upper side of the stand and between the front wall of the body, the hinged side walls and the detachably-con-

nected front wall, whereby when the front 20 wall is removed and the hinged walls are swung outward, the pallet may be moved forward on the flat stand and removed therefrom, dividing-plates movable fore and aft in the vertical notches or kerfs of the body- 25 wall, a bar connecting said dividing-plates at the rear thereof and having rearwardly-extending arms at its ends, racks on said arms, and a shaft journaled in bearings on the stand and having spur-gears intermeshed 30 with said racks.

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

THEODORE SEDERWALL.

Witnesses:

S. D. BAMERS,
D. G. CLEGG.