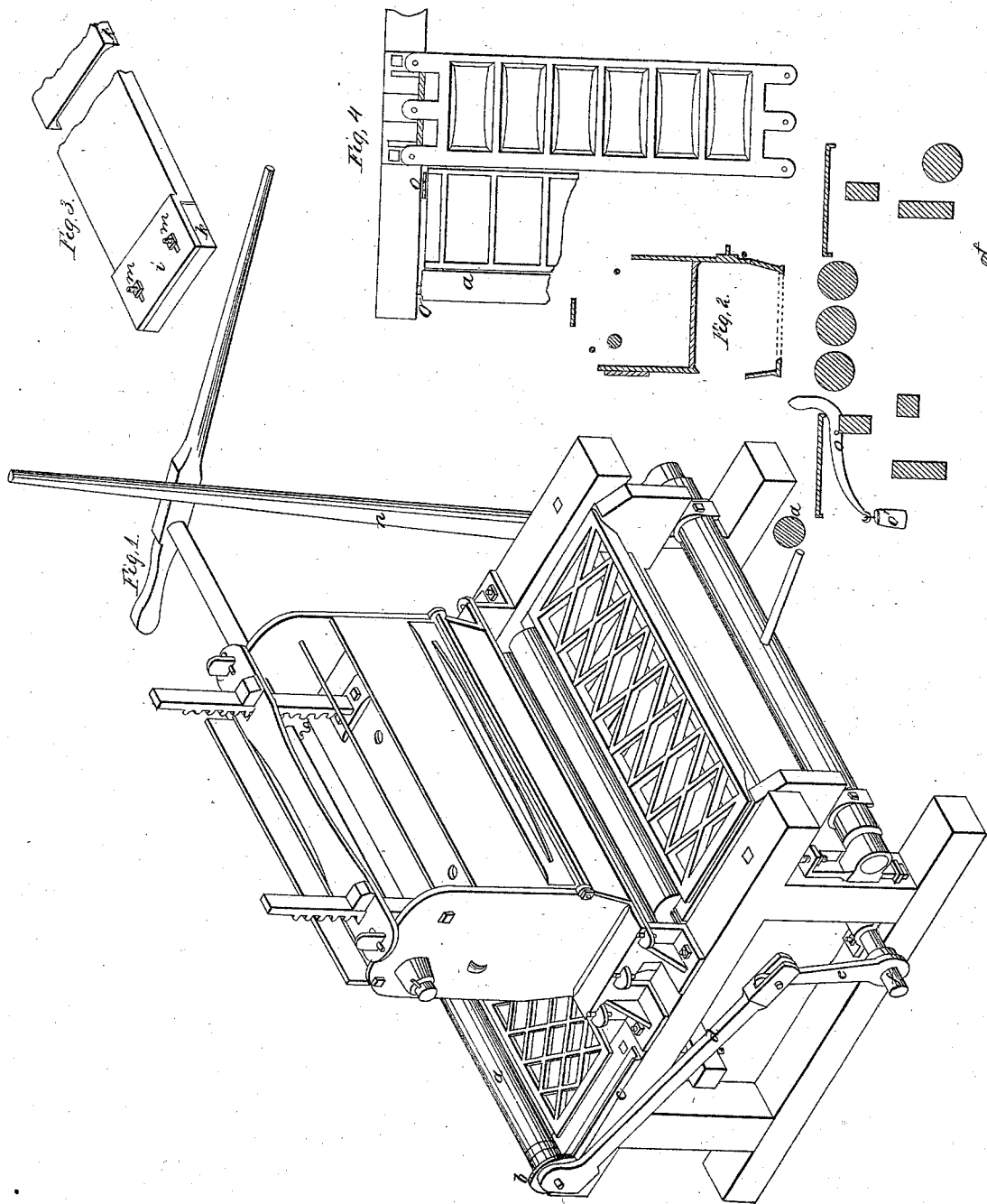


*C. B. Baker,*  
*Brick Machine.*

*No 7,206.*

*Patented Mar 26, 1850.*



# UNITED STATES PATENT OFFICE.

COLLINS B. BAKER, OF TROY, NEW YORK.

## BRICK-PRESS.

Specification of Letters Patent No. 7,206, dated March 26, 1850.

*To all whom it may concern:*

Be it known that I, COLLINS B. BAKER, of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Machinery for Making Bricks, and that the following is a full, clear, and exact description of the principle or character which distinguishes them from all other things before known and of the usual manner of making, modifying, and using the same, reference being had to the accompanying drawings, in which—

Figure 1, is a perspective view; Fig. 2 is a vertical section; Fig. 3, detached parts.

One of the greatest difficulties in operating the brick machine, worked by hand, either on the plan of Boulton, or that formerly patented by me, is found to be the proper guidance and movement of the molds under the grating. Several devices have been made for this purpose, some of which are now patented; but they are more or less defective, and liable, when stones get into the molds, to get broken, if they are forced by a careless workman. My improvements are to obviate this defect.

The box, carriage, and in fact all the various parts of my improved machine, are in every particular like the one heretofore patented by me except in the following particulars: First, in the movable carriage for conveying the empty molds under the grate, and displacing the full ones. This carriage, in my improved construction, consists of a round rod, or roller (*a*) supported at each end, and guided by flanged rail wheels (*b*); said wheels being made to run on straight rails (*c*), affixed to the permanent frame and the roller turning independent of the wheels and not to lift the mold; outside the wheels (*b*), at each end, there is an arm, or connecting rod (*d*), which has a box for the axle of the carriage roller to turn in at its upper end; thence it extends downward, and forward, at an angle of about 30° to the upper end of an arm (*e*), which extends up from a shaft (*f*), below where said connecting rod is jointed to said arm. At one end of the shaft (*f*), there is a lever or handle (*h*), that runs up parallel with arm (*e*), on that side to which it is affixed, and by this handle the carriage receives its motion,

while from the inclined position of the connecting rods the wheels are firmly held to the track, and by being connected at each end instead of the center as heretofore, they are kept parallel, and cause the molds to move without twisting, even when there is an obstacle greater at one end than the other, without breaking or catching, as is frequently the case when otherwise constructed. On one side of the permanent frame there is a curved balance lever, or stop bar (*o*) hung (see Figs. 2 and 4), one arm of which projects above the platform on which the molds are slid into place to stop them when pushed into their place endwise toward it. This lever is weighted at the other end (*o'*), and yields sufficiently when the carriage is pushed forward against it to permit the carriage to carry the mold into place and recover its position when the carriage returns, as the carriage is required to move forward farther than it would be permitted to do if the catch was stationary. In the follower: a portion of the face, or lower part, at either or both ends, is detached, as shown in Fig. 3, being connected with the center part, which projects over them, or in other words, is recessed at (*i*), to receive said pieces (*k*), by means of bolts (*m*), passing up through oblong holes in said recessed ends, so that the end face pieces (*k*), can be pushed out toward the ends as they wear off, and always keep a tight joint next the side of the box, and prevent the mud from passing up at that point.

Having thus fully described my improvements in machines for making bricks, what I claim herein as new and for which I desire to secure Letters Patent, is—

1. The employment of the mounted roller (*a*), turning independent of the wheels on which it is borne and forming a guiding carriage for the molds, substantially in the manner and for the purpose set forth.

2. I also claim the stops, or weighted catch-lever, for guiding the molds in entering under the grating.

COLLINS B. BAKER.

Witnesses:

J. J. GREENOUGH,  
H. D. HIRTENMESCH.