

(No Model.)

M. R. McCAULEY.
MAILING MACHINE.

No. 559,862.

Patented May 12, 1896.

Fig. 1.

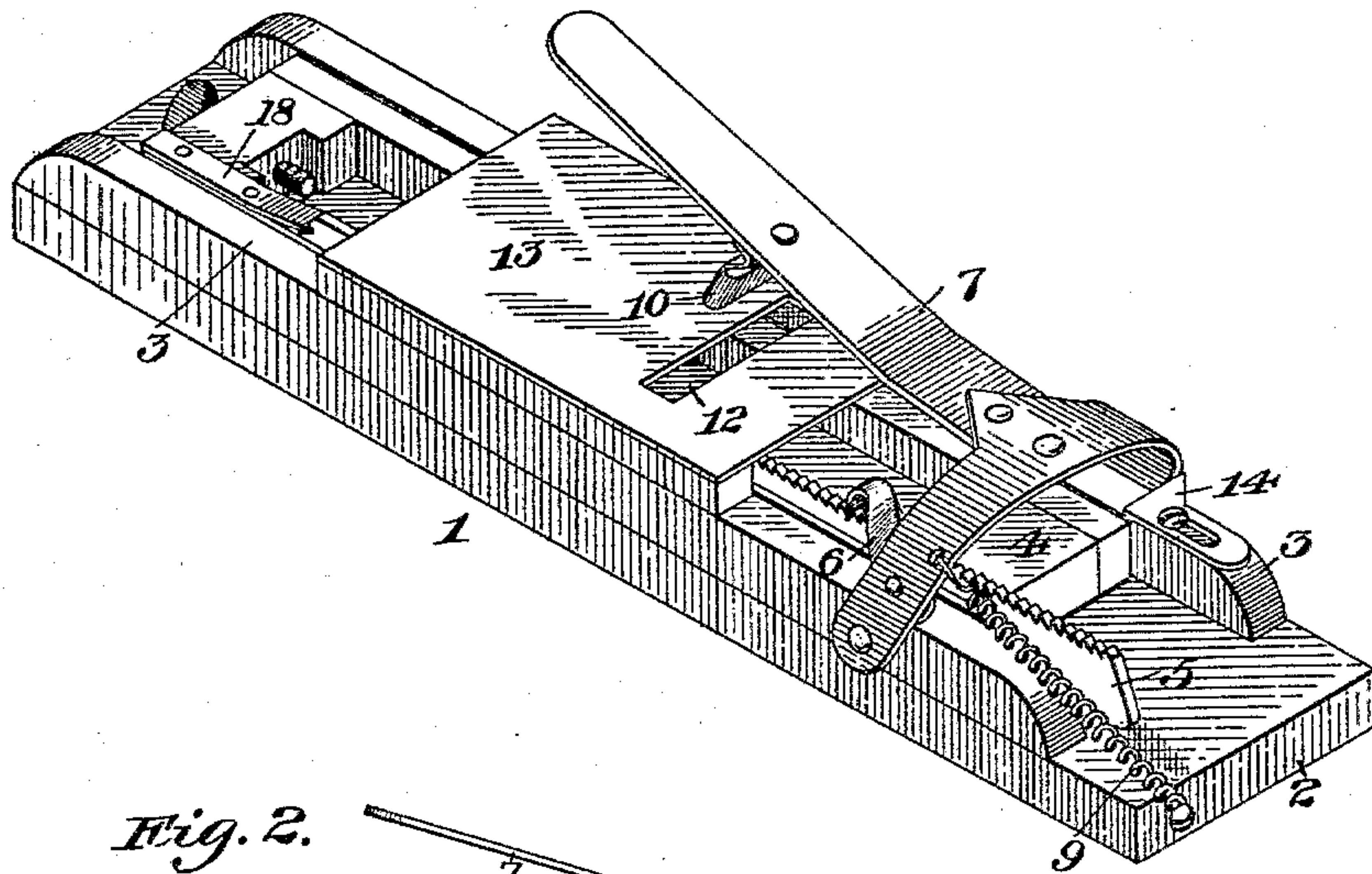


Fig. 2.

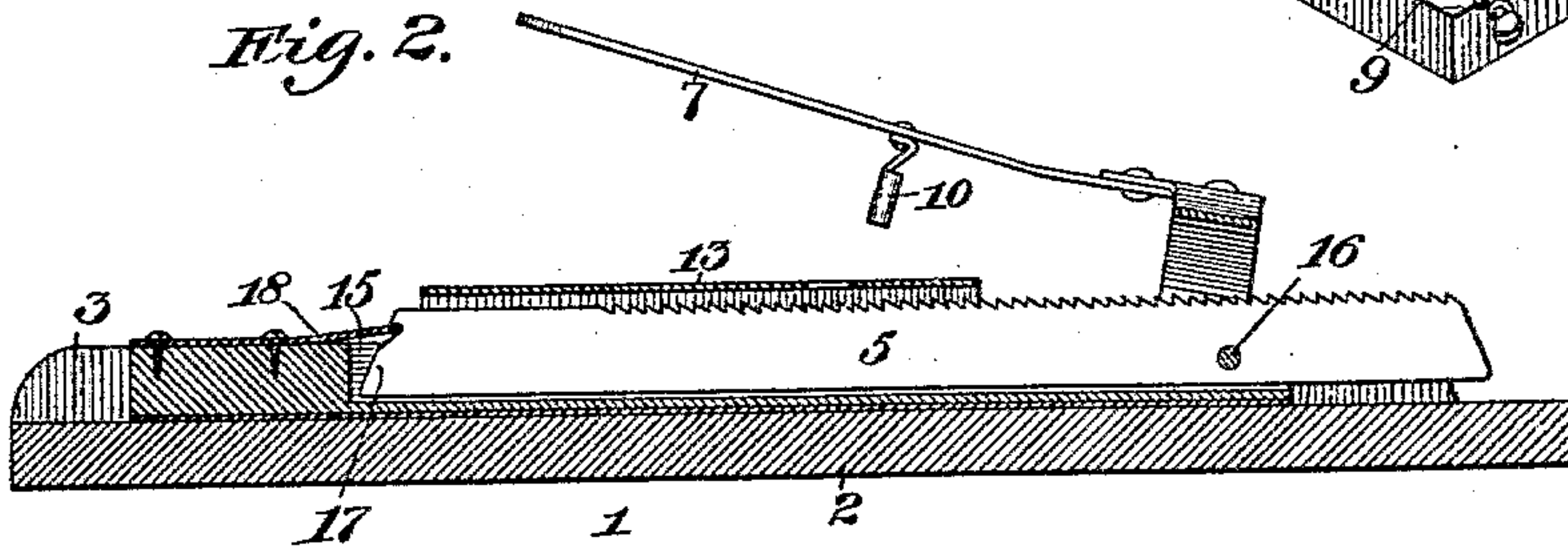


Fig. 3.

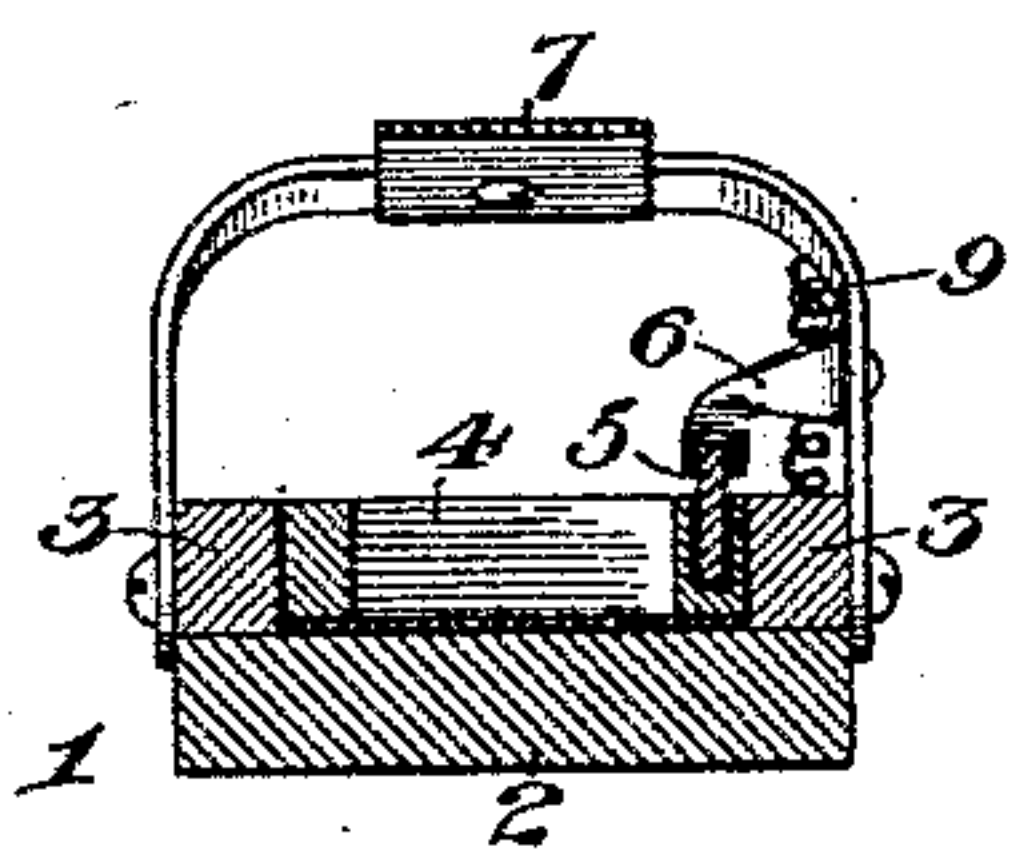


Fig. 5.

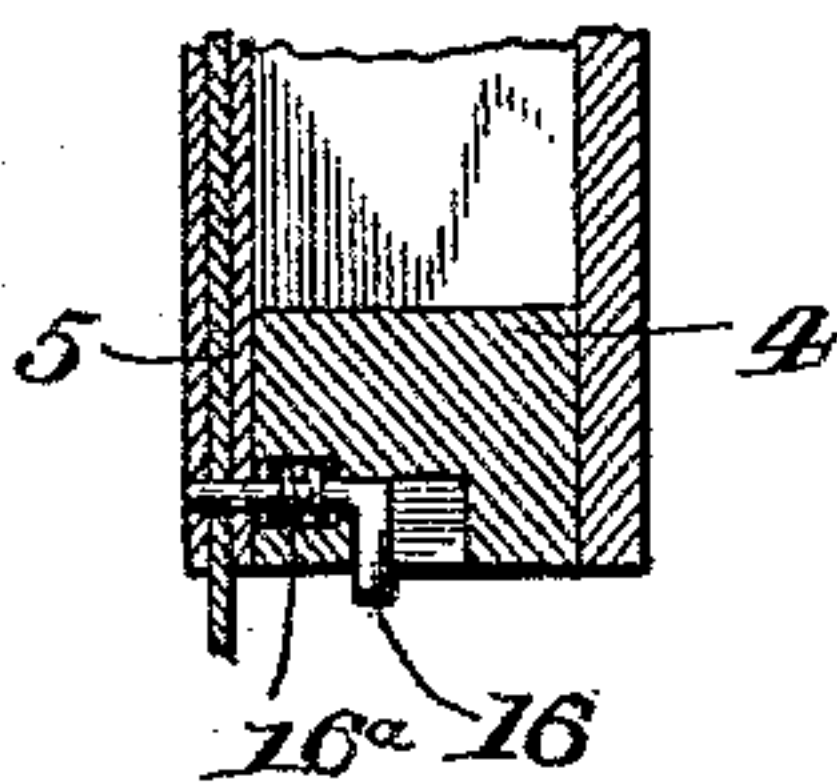
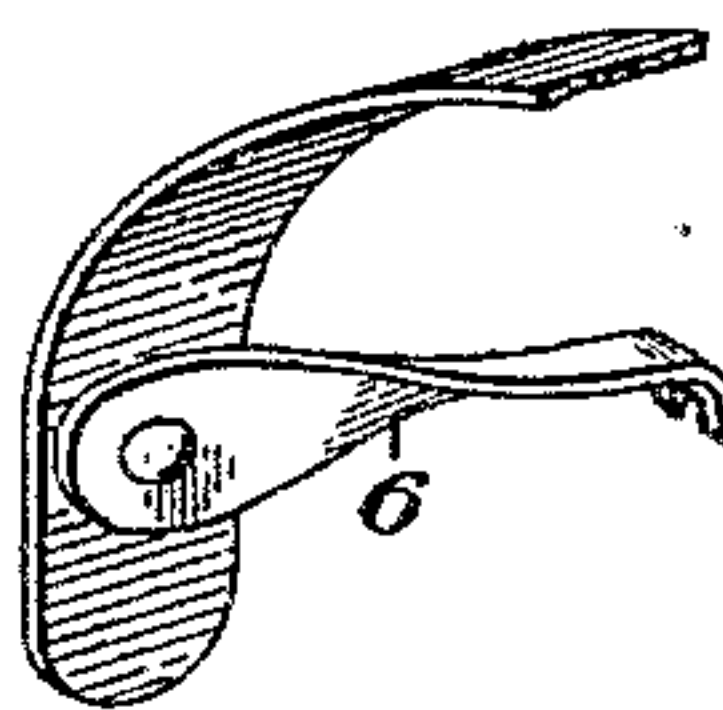


Fig. 4.



Inventor

Marion R. McCauley

Witnesses

W. Smith
J. F. Riley

By his Attorneys.

C. Snow & Co.

UNITED STATES PATENT OFFICE.

MARION R. McCAULEY, OF LAS ANIMAS, COLORADO.

MAILING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 559,862, dated May 12, 1896.

Application filed June 6, 1895. Serial No. 551,889. (No model.)

To all whom it may concern:

Be it known that I, MARION R. McCAULEY, a citizen of the United States, residing at Las Animas, in the county of Bent and State of Colorado, have invented a new and useful Mailing-Machine, of which the following is a specification.

The invention relates to improvements in mailing-machines.

10 The object of the present invention is to improve the construction of mailing-machines, to render their continuous operation positive and reliable, and to prevent the ratchet mechanism for advancing the galley from becoming clogged with ink when inking the type.

15 The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

20 In the drawings, Figure 1 is a perspective view of a mailing or addressing machine constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view. Fig. 4 is a detail perspective view of the pivoted dog. Fig. 5 is a detail sectional view illustrating the construction of the spring-actuated bolt and showing the same in engagement with the rack-bar.

30 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

35 1 designates a frame comprising a base or bed 2 and sides 3, forming guides for a longitudinally-movable galley 4, arranged on the base or bed 2 and located between the sides 3. The galley is adapted to contain type, which is locked in it by a set-screw or any other suitable means.

40 At one side of the galley is located a longitudinally-disposed rack-bar 5, which is engaged by a pivoted dog 6 of an oscillating lever 7, whereby, when the lever is operated, the galley will be advanced as the successive teeth of the rack-bar are engaged by the dog. The rack-bar has its teeth beveled at the front edges and shoulder at the rear edges, and the dog is provided with a depending flange which is notched or recessed to receive the rack-bar, whereby the dog is prevented

from moving laterally and jumping out of engagement with the same.

The operating-lever 7 is normally held elevated by a spiral spring 9, and is provided with a depending platen 10, adapted to force a strip of paper through an opening 12 of a plate 13 to cause the paper to contact with the type carried by the galley. The length of the stroke of the oscillating lever is regulated by an adjustable plate 14, arranged to engage and limit the movement of the oscillating lever to regulate the forward movement of the galley.

45 In order to prevent the rack-bar from becoming clogged with ink while the type is being inked, the rack-bar is detachably mounted in a recess 15 of one side of the galley, and its front end is engaged by a spring-actuated bolt 16, located in a groove or bore of the front end of the galley. The bolt 16 is disposed transversely of the galley and is thrown outward to engage a perforation of the rack-bar, by means of a spiral spring 16^a, which is disposed on the bolt, and the inner end of the bolt is bent at an angle to form a projection or arm, which is located at a recess or opening at the inner terminal of the bore and which is adapted to be engaged by the finger of the operator to disengage the bolt from the rack-bar to permit the latter to be entirely removed from the galley when the type is to be inked to prevent the teeth of the rack-bar from becoming clogged or filled with the ink.

50 The rear end 17 of the rack-bar is provided with a notch or shoulder, and it engages a stop 18, secured to the upper edge or face of the adjacent side of the galley and projecting over the adjacent end of the recess 15. After the transversely-disposed spring-actuated bolt is disengaged from the front end of the rack-bar the latter may be readily removed from the groove or recess 15, and it may be quickly placed in operative position after the type has been inked.

55 It will be seen that the addressing-machine is simple and comparatively inexpensive in construction, that it is positive and reliable in operation, and that the ratchet mechanism will not become clogged through inking the type.

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.

What I claim is—

In an addressing-machine, the combination of a frame, a sliding galley provided at one side with a longitudinal groove or recess, a stop located at one end of the groove or recess, a spring-actuated bolt mounted on the galley and located at the other end of the groove or recess, a rack-bar provided at one

end with a shoulder to be engaged by said stop and having a perforation for the reception of the spring-actuated bolt, and an operating-lever carrying a dog for engaging the rack-bar, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

MARION R. McCAULEY.

Witnesses:

JNO. C. DAVIDSON,

F. C. HARRINGTON.