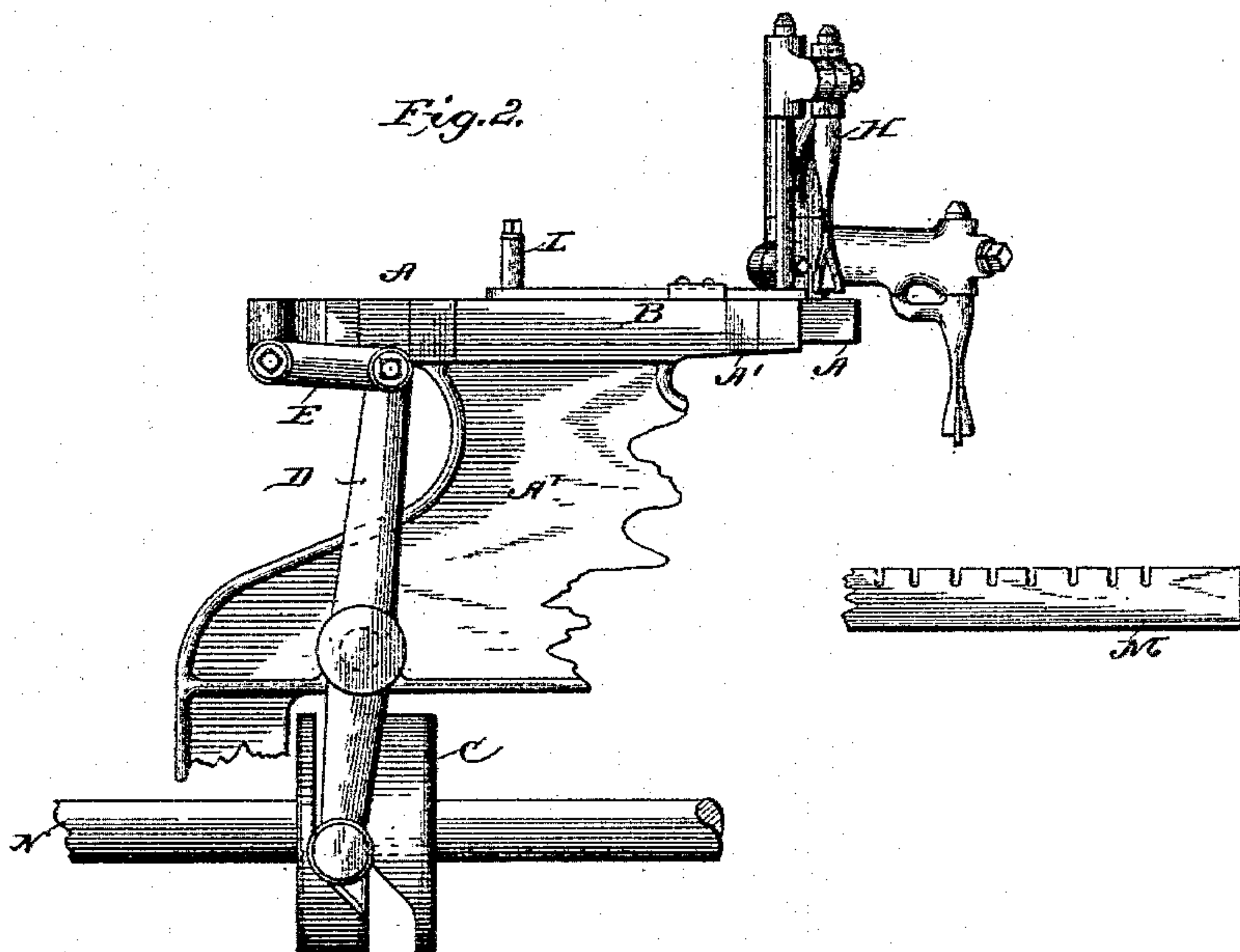
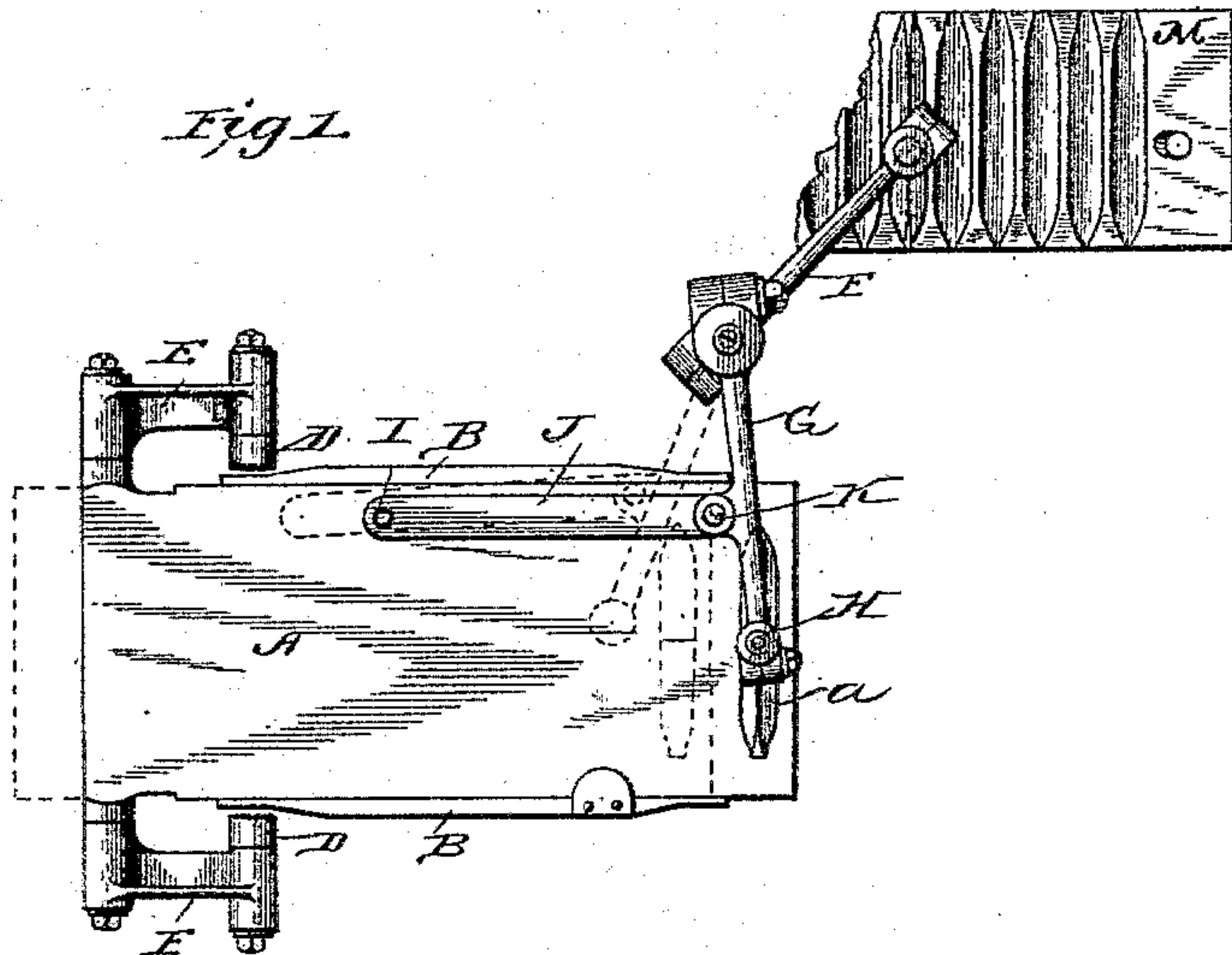


(No Model.)

F. C. MILLER.  
CIGAR BUNCHING MACHINE.

No. 494,928.

Patented Apr. 4, 1893.



*witnesses:*

Henry S. Robner.  
Edward Q. Knight

Inventor:  
Frederick C. Miller.

By Knight & Co  
Attorneys.



# UNITED STATES PATENT OFFICE.

FREDRICK C. MILLER, OF NEWPORT, KENTUCKY.

## CIGAR-BUNCHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 494,928, dated April 4, 1893.

Application filed March 26, 1892. Serial No. 426,597. (No model.)

*To all whom it may concern:*

Be it known that I, FREDRICK C. MILLER, a citizen of the United States, residing at Newport, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Cigar-Bunching Machines, of which the following is a specification.

This invention is a modification of that described in my patent dated October 11, 1892, No. 484,219, the object of the invention being to provide mechanical devices by which long filler cigars can be readily made, the long fillers being fed by hand to a pocketed carrier from which a plungers ejects them to bunch rolling mechanism beneath. My former patent fully describes the bunch rolling mechanism in connection with a rotary filler carrier and its accessories. In my present improvement I employ, instead of the latter, a reciprocating filler carrier and operating mechanism which will be fully understood from the following description, in connection with the accompanying drawings, forming part of this specification, in which

Figure 1 is a plan view of the reciprocating filler carrier and its operating parts and accessories, and Fig. 2 is a side elevation of the same, partly in section.

In the accompanying drawings I have shown a part of my machine, the rest being preferably constructed in accordance with my said former patent. The devices herein shown are simply the moving filler-carrier devices, and a portion of the driving mechanism to illustrate their operation.

A' represents the frame of the machine, the top of which forms a stationary bed upon which the filler carrier is mounted in suitable guides B, and travels or reciprocates in time movements to allow the operator to place the filler in a pocket. In the form of construction herein shown *a* represents the filler pocket formed by piercing a slot through the carrier A. The dotted lines in Fig. 1 show the position of the pocket when in position to be filled.

Motion is communicated to the carrier A by means of the cam C provided with a suitably shaped slot in which travels a friction roller journaled upon the ends of the lever D.

E E represent links which are journaled to the filler carrier A. In order that the pocket may be of easy access to the operator who fills the same I also move the arm G carrying the plunger H backward; this is accomplished by hinging, at K, the arm G to the carrier A by means of the link J, so that when the carrier A moves backward into the position shown in dotted lines the arm G carrying the plunger H will likewise swing backward into the position shown in dotted lines in rear of the filler pocket, *a*, thereby allowing easy access of the operator to the pocket. When the pocket has been filled the movement of the cam C brings the parts back into position shown in full lines and the plunger H is moved downward to pass the filler through the pocket by the mechanism shown in my said former patent.

It will be observed that the bed or top-piece of the frame A' terminates slightly in rear of the pocket *a*, so that when said pocket is brought forward into the position shown in full lines, the filler passes freely through the same; while the bed serves to hold the filler until it has been brought in position to be acted on by the plunger H.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

The combination of the reciprocating filler carrier A having a bottomless pocket *a*, the bed B forming a bottom for the pocket when in filling position, operating mechanism C D E for imparting reciprocating movement to the carrier, the plunger H mounted on a horizontally moving arm G and connected to the carrier A by a link J, intermediately of the fulcrum and free end of the plunger-arm G, so as to impart a backward horizontal movement to the plunger H in excess of the movement of the filler carrier A, thus uncovering the pocket *a*, for filling as herein explained.

FREDRICK C. MILLER.

Witnesses:

FRANK C. MILLER,  
A. F. WENZEL.