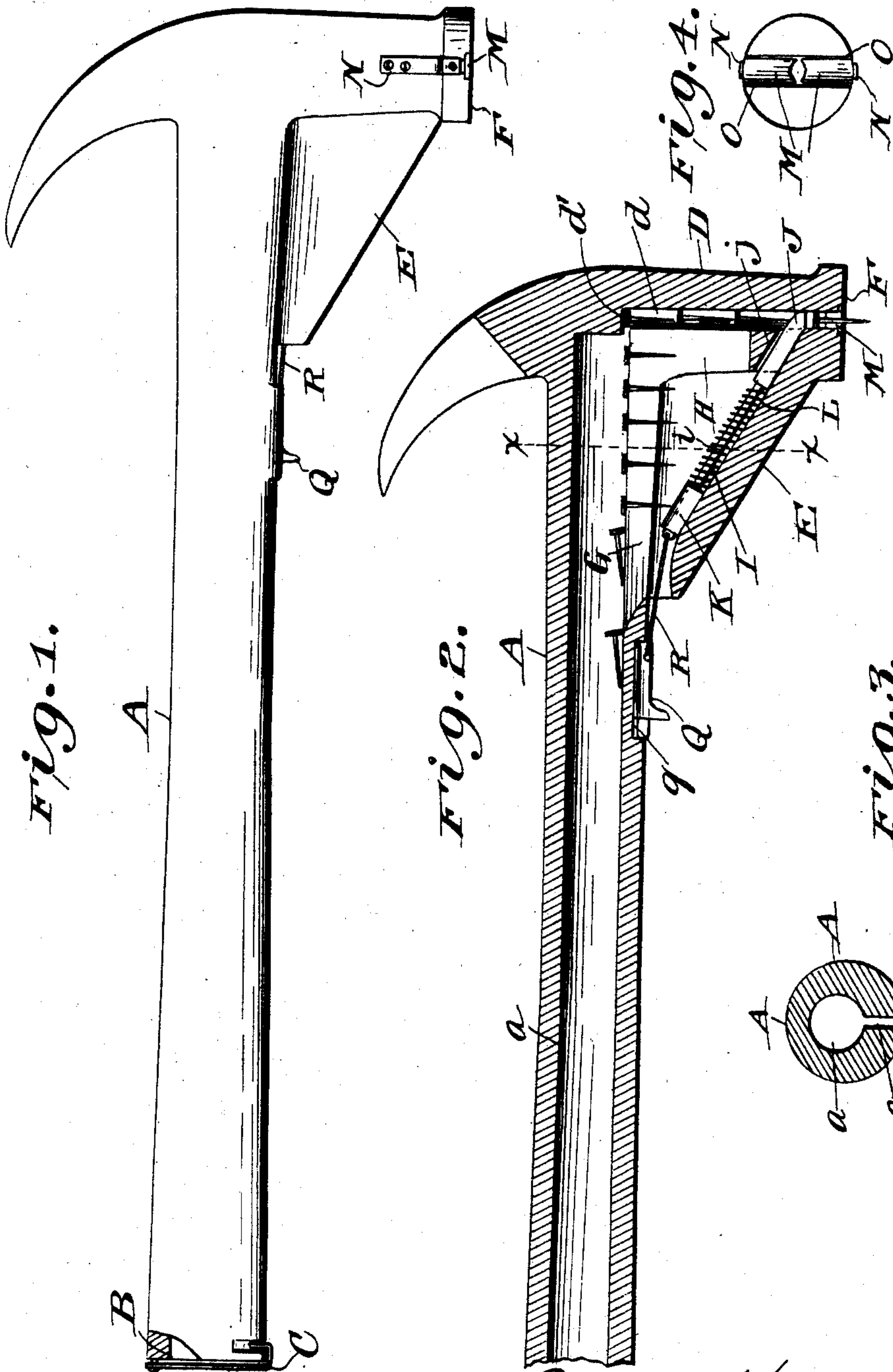


No. 864,733.

PATENTED AUG. 27, 1907.

J. HAMILTON, JR.
MAGAZINE HAMMER.
APPLICATION FILED SEPT. 22, 1906.



Witnesses

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JAMES HAMILTON, JR., OF LITTLE FALLS, MINNESOTA.

MAGAZINE-HAMMER.

No. 864,733.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed September 22, 1906. Serial No. 335,713.

To all whom it may concern:

Be it known that I, JAMES HAMILTON, Jr., a citizen of the United States, residing at Little Falls, in the county of Morrison and State of Minnesota, have invented certain new and useful Improvements in Magazine-Hammers, of which the following is a specification.

My invention relates to self-feeding or magazine hammers having the magazine in the handle and connected with a longitudinal channel in the hammer head through which the nails or tacks pass longitudinally to the striking end, a cut-off controlled by the operator being provided so as to regulate the flow of the nails or tacks through the head, said cut-off also operating as a striking head for the tack or nail when being started.

The construction and operation of my invention will be described in detail hereinafter and illustrated in the accompanying drawings in which—

Figure 1 is a side view of my invention, Fig. 2, a central longitudinal sectional view, Fig. 3, a cross sectional view on the line $x-x$ of Fig. 2, and Fig. 4, a view of the striking end of the hammer head.

In the drawings similar reference characters indicate corresponding parts throughout the several views.

The handle A of my improved hammer is hollowed out to form the magazine as shown at a to receive and hold the nails or tacks which are inserted therein through the open end B which is closed by means of door C.

The head D is provided with a longitudinal channel d connected at its upper end with the magazine a by means of guide channel d' .

E indicates a triangular shaped narrow casing connecting the striking surface F of the hammer head D with the handle A.

The handle A and head D is slotted as shown at G and H respectively so that the stems of nails or tacks contained in the magazine a may extend into casing E and hanging by their heads pass downward along slot G and through slot H to the longitudinal channel d , the nail or tack-head passing through guide channel d' .

I indicates a sliding cut-off mounted in the casing E having its head J extending through a hole j in the head D and across the longitudinal channel d .

K indicates a block secured in casing E in which is slidably mounted the stem i of cut-off I, L indicating an expansible coil-spring mounted on stem i and bear-

ing against head J and block K to normally hold the cut-off in a projected position so that the head J extends across channel d to cut-off the flow of nails or tacks through the channel and also serves as a striking head for the nail or tack next to be driven and which is sticking out of the end of the hammer head D, the nail being held in position by means of clamping jaws formed by blocks M secured to spring plates N on the head D. Blocks M are normally seated in notches O in the striking head P of the hammer head D.

Q indicates a finger-pull or trigger slidably mounted in guide ways q in the lower side of handle A and connected with the end of stem i by means of a length of chain or other flexible element R, the purpose of trigger Q being to withdraw the head J from channel d to allow a nail or tack to feed to the end of the hammer head D.

My improved hammer is preferably made entirely of metal and it would doubtlessly be found that to cast it in two mating sections having the meeting surfaces about on the plane of the section shown in Fig. 2 and fastened together by riveting, brazing, or other well known means, would be the most economical way to manufacture the hammer but I do not limit myself to such construction as other methods may be employed to secure the same construction and operation.

Having thus described my invention what I claim is—

In a magazine hammer, a hollow handle to hold the nails, a head provided with a longitudinal channel, a triangular casing connecting the head and the adjacent portion of the handle, the handle provided with a slot inclosed by said triangular casing to permit the nails in the hollow handle to hang stem down in said casing, the hammer head provided with a slot adjacent to said casing to permit the nails to pass from the casing to the longitudinal channel in the head, a spring actuated cut-off slidably mounted in the casing, a finger hold slidably mounted on the handle and operatively connected with said cut-off, the head of said cut-off extending across said longitudinal channel and serving when in an operative position as a striking head to start the nail to be driven, and spring-actuated clamping jaws at the end of said longitudinal channel to hold the nail while being started, substantially as shown and described.

In testimony whereof I hereto affix my signature in the presence of two witnesses.

JAMES HAMILTON, JR.

Witnesses:

CYRUS D. ANYER,
JOHN T. HOBLIT.