No. 894,774. PATENTED JULY 28, 1908.

G. L. DERRIMAN.

SLAUGHTER HOUSE FIREARM.

APPLICATION FILED APR. 17, 1908.

2 SHEETS—SHEET 1.

Fig. 2

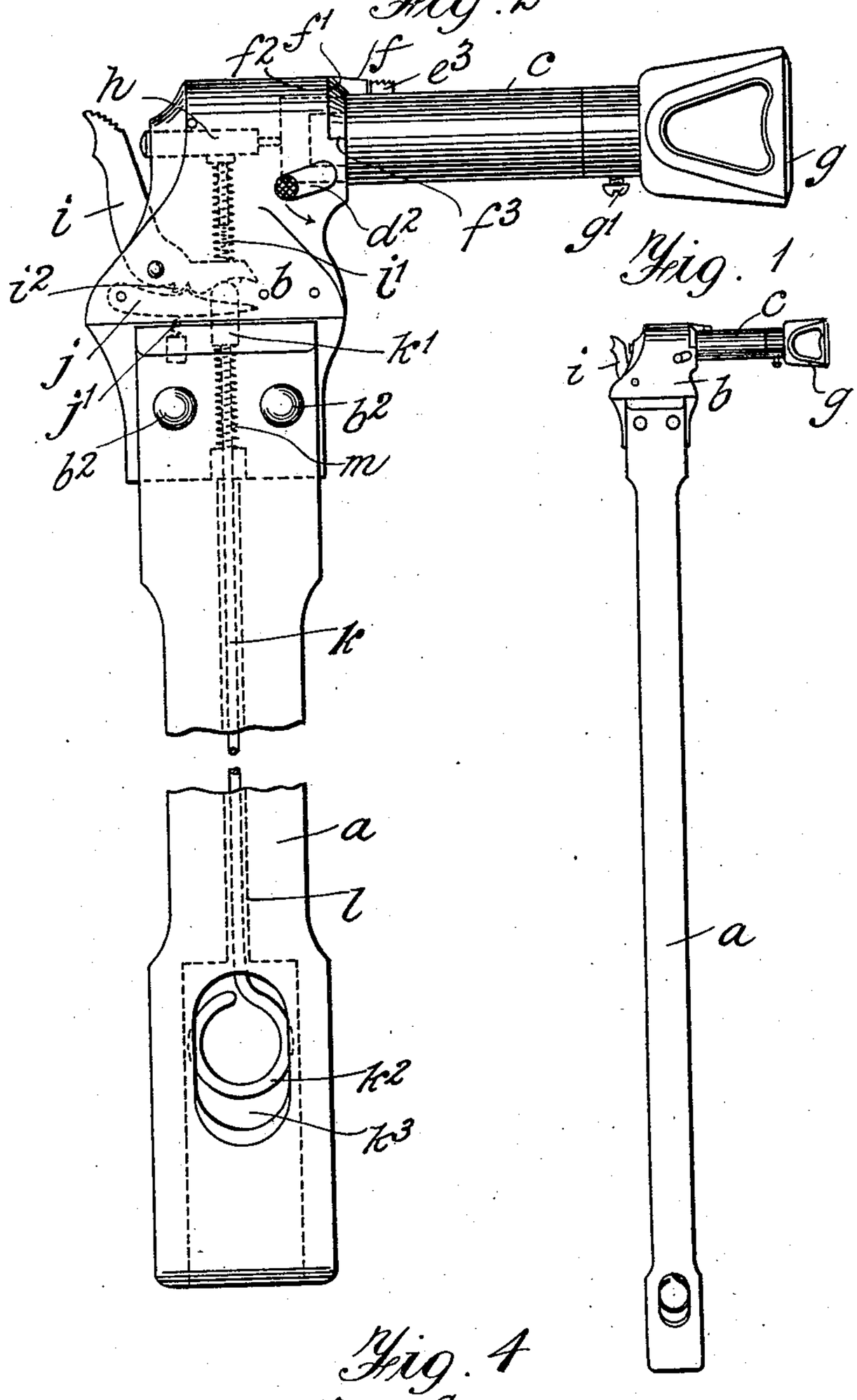

Fig. 1

Fig. 3.

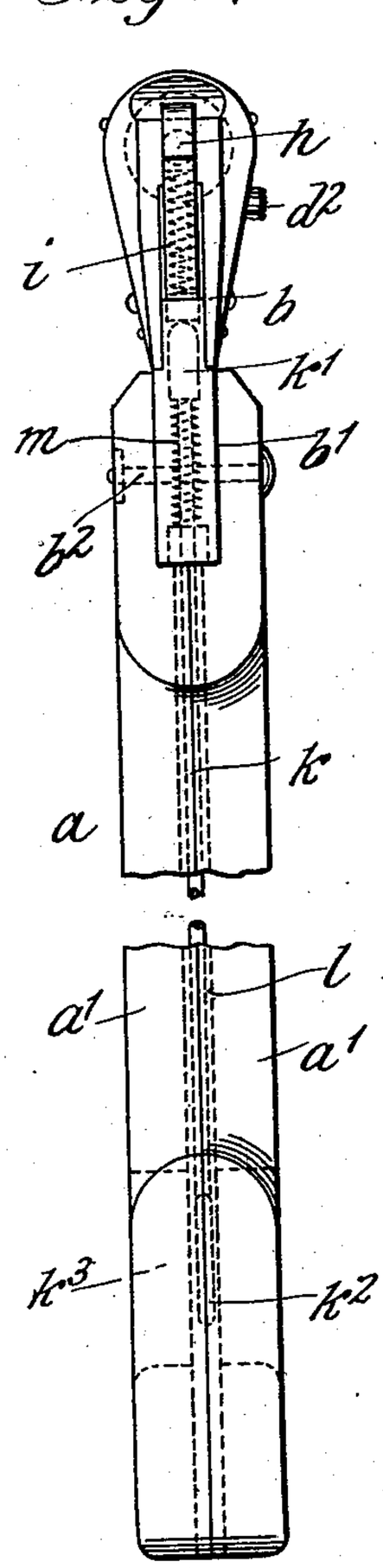

Fig. 4

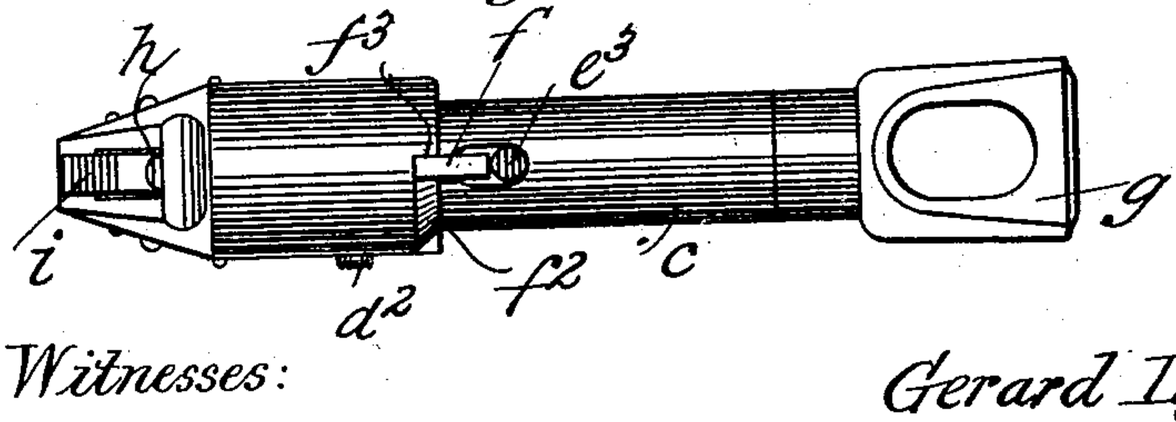

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Fig. 5

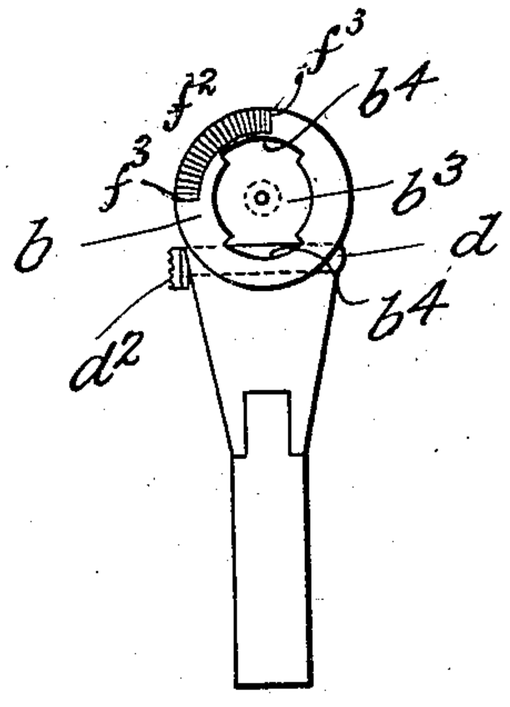


Fig. 6

Fig. 8

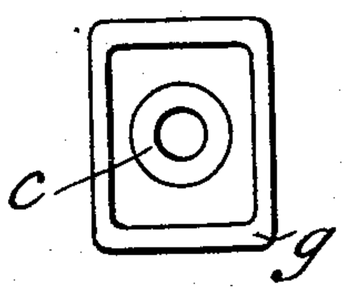


Fig. 7

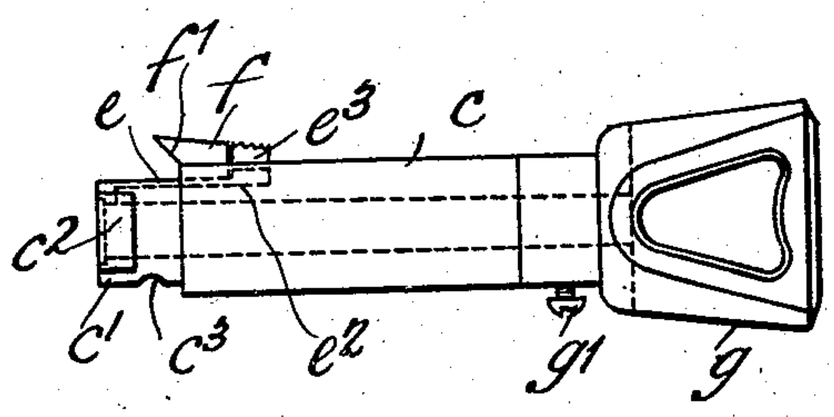
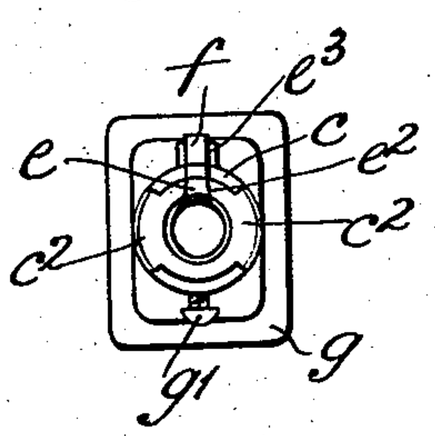


Fig. 9.



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UNITED STATES PATENT OFFICE.

GERARD LYSLEY DERRIMAN, OF LONDON, ENGLAND.

SLAUGHTER-HOUSE FIREARM.

No. 894,774. Specification of Letters Patent. Patented July 28, 1908.

Application filed April 17, 1908. Serial No. 427,662.

To all whom it may concern:

Be it known that I, GERARD LYSLEY DERRIMAN, a subject of the King of England, residing at London, England, have invented a certain new and useful Slaughter-House Firearm, of which the following is a specification.

This invention relates to a firearm for use in a slaughterhouse for the humane despatch of cattle and other animals to be killed for human food, and broadly consists of a revolver or pistol barrel disposed at an angle, preferably a right angle, to a stock or handle, the trigger being operated by a pulling member extending within the handle to the inner end thereof whereby the operator is enabled to slaughter an animal while standing beside the same and not in front thereof as hitherto usual.

The invention also comprises certain details of construction and combinations of parts all as hereinafter fully described and specifically pointed out in the appended claims.

A preferred embodiment of the invention is represented in the annexed drawings in which Figure 1 is an elevation of the complete firearm. Fig. 2 is an elevation with the stock broken away and also showing in broken lines the trigger actuating and firing mechanism. Fig. 3 is an end elevation of Fig. 2 seen from the left hand side. Fig. 4 is a plan view of Fig. 2; Fig. 5 is a detail view of the front of the head with the barrel removed. Fig. 6 is a detail view of the barrel lock. Fig. 7 is a side elevation of the barrel detached and Figs. 8 and 9 are end elevations of Fig. 7 seen from the right and left hand respectively. All the figures 2 to 9 are drawn to the same scale which is considerably enlarged relatively to Fig. 1.

The stock or handle a which is preferably formed of two longitudinally divided parts a^1, a^1 carries at its upper end the head or breech member b which is let into a recess b^1 and secured as by bolts b^2. The barrel c is disposed at a right angle to the longitudinal axis of the stock and is removably secured to said head which is recessed at b^3 for reception of the reduced end c^1 of the barrel, said end being provided with peripheral enlargements c^2 adapted to enter corresponding cut-away portions b^4 in the head. After inserting the barrel in the head as described, said barrel is axially rotated through an angle of 90 degrees whereupon a spring catch d transversely mounted in the head engages a notch c^3 in the barrel end and locks the barrel in place. The spring-catch is shown in Fig. 6 and comprises the locking member proper d^1 and a handle or crank member d^2 extending to and lying against the exterior part of the head as shown in Fig. 2. The catch is of such shape that the barrel may be forced into the head against the action of said catch, the latter snapping into the notch c^3 when the barrel has been rotated as described.

An extractor e of any suitable construction is mounted on the barrel, said extractor sliding in a slot e^2 in the barrel and having a stud e^3 for operation by the finger. Attached to said extractor or to another appropriate part of the barrel is an abutment f having an inclined surface f^1 adapted to engage a set back portion f^2 of the head and to contact with stops or shoulders f^3 at the ends of said set back portion for limiting the axial rotation of the barrel in either direction when inserting or removing same. The muzzle end of the barrel c is provided with a bonnet or skeleton hood g fitting over the outer reduced end of said barrel and attached as by a set screw g^1, the object of said bonnet being to insure a firm rest for the firearm against the head of the animal.

Any suitable firing or trigger mechanism may be used, that shown in Fig. 2 of the drawings comprising the firing pin h, hammer i under the action of a spring i^1 and sear j co-acting with a nose i^2 on the hammer and under the action of a spring j^1. The sear is operated to release the hammer, after the latter is cocked by a wire k or other pulling member extending longitudinally through an aperture l in the stock a and having a stirrup k^1 engaging said sear. A spring m surrounding the wire and secured at one end to a fixed point, acts with its other end on said stirrup to return the wire and tumbler to normal position after each operation. The free end of the wire k is looped as at k^2 for manipulation by the operator, access being had thereto through a slot k^3 in the stock-end. The inclosure of the operating wire within the stock as described prevents or reduces the danger of the firearm being accidentally discharged.

What I claim as my invention and desire to secure by Letters Patent of the United States is:—

1. A fire arm comprising a stock, a head mounted thereon, a barrel having its axis disposed at a right-angle to the longitudinal

axis of the stock, a rotatable spring catch adapted to detachably secure the breech end of the barrel within the said head, suitable firing mechanism adapted to fire a charge in the barrel, and a wire connected to the firing mechanism, said wire being inclosed within and extending longitudinally of the stock and operatable from the end thereof remote from the barrel.

2. A fire-arm comprising a stock, a head mounted thereon, a barrel having its axis disposed at a right angle to the longitudinal axis of the stock, a rotatable spring catch adapted to detachably secure the breech end of the barrel within said head, a skeleton bonnet removably secured to the muzzle end of said barrel, suitable firing mechanism adapted to fire a charge in the barrel, and a wire connected to the firing mechanism, said wire being inclosed within and extending longitudinally of the stock and operatable from the end thereof remote from the barrel substantially as described.

In witness whereof I have signed this specification in the presence of two witnesses.

GERARD LYSLEY DERRIMAN

Witnesses:
S. FORD,
H. D. JAMESON.