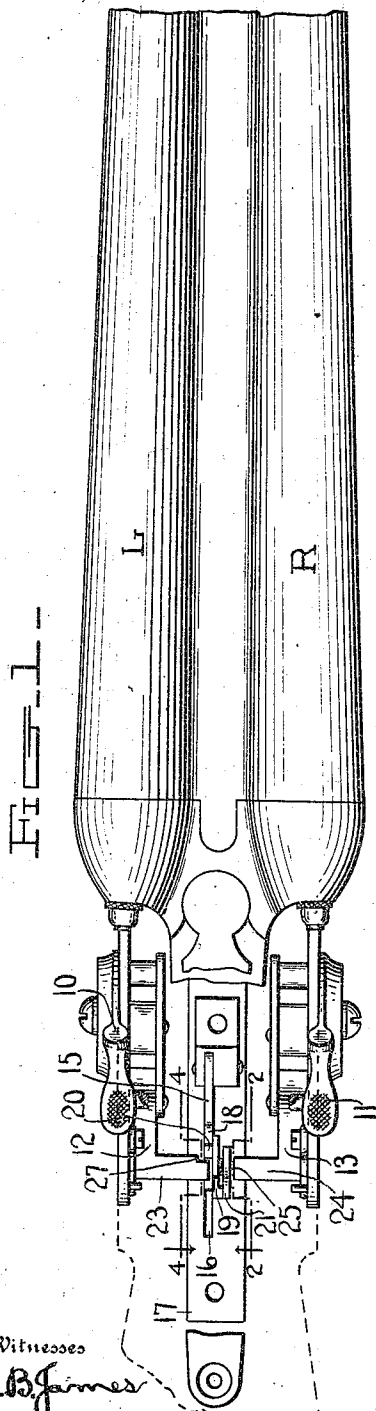


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SINGLE TRIGGER MECHANISM FOR DOUBLE BARREL SHOTGUNS.
APPLICATION FILED JAN. 5, 1909.

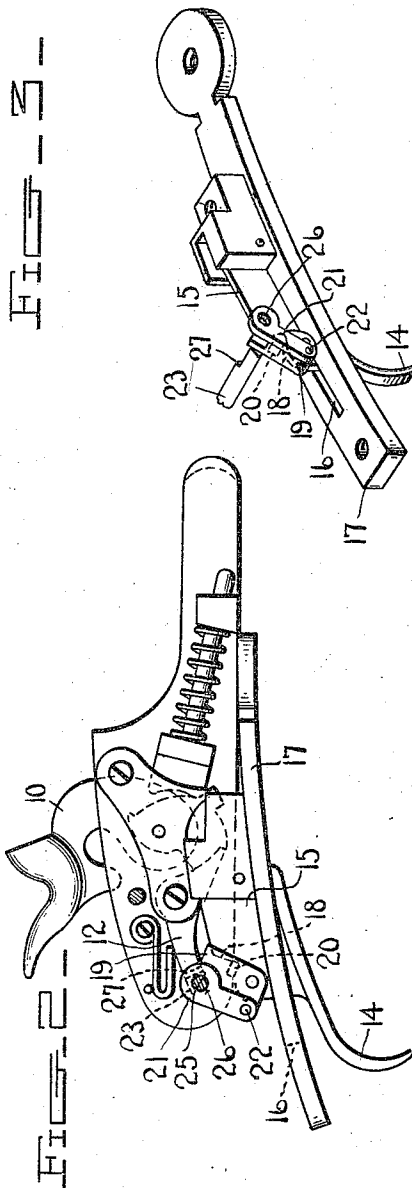
930,975.

Patented Aug. 10, 1909.

2 SHEETS—SHEET 1.



Witnesses
L. B. James
H. C. McArthur



Inventor
James Lamer

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FIG. 4.

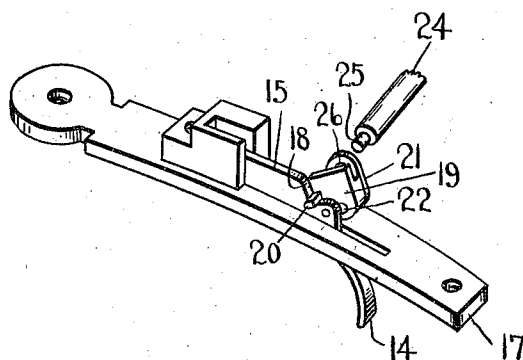
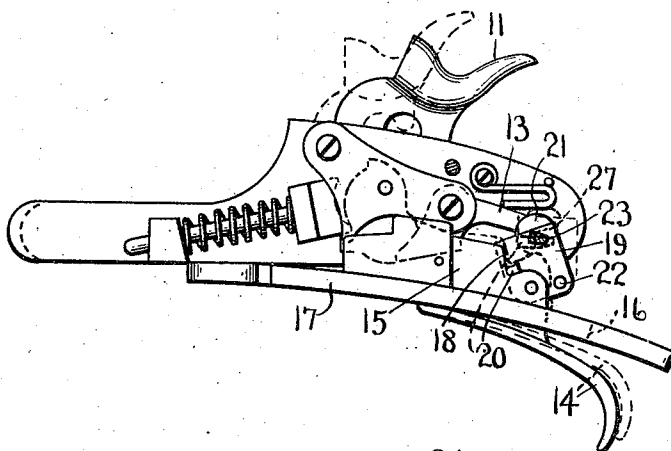


FIG. 5.

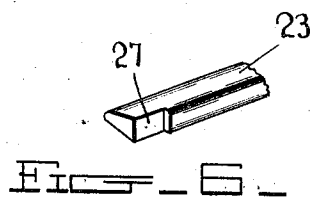


FIG. 6.

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UNITED STATES PATENT OFFICE.

JAMES LAMER, OF TRAER, IOWA.

SINGLE-TRIGGER MECHANISM FOR DOUBLE-BARREL SHOTGUNS.

No. 930,975.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed January 5, 1909. Serial No. 470,821.

To all whom it may concern:

Be it known that I, JAMES LAMER, a citizen of the United States, residing at Traer, in the county of Tama, State of Iowa, have invented certain new and useful Improvements in Single-Trigger Mechanism for Double-Barrel Shotguns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to single trigger mechanisms for double-barrel shotguns and has for its object to provide a trigger mechanism including but a single trigger which may be pulled successively to fire first the right hand barrel and then the left hand barrel, the mechanism being also arranged and constructed to fire either barrel singly. Above all, I have in view the provision of an extremely simple mechanism of this class, it consisting, properly speaking, of but two elements which are carried by the trigger plate and are arranged to successively engage the right and left hand sears of the gun, the above mentioned structure having been described in my forfeited application filed March 27, 1908 and serially numbered 423,700.

In the accompanying drawings, Figure 1 is a top plan view of a double-barrel shotgun of the hammer type, the stock of the gun being shown in dotted lines so as to disclose the trigger mechanism in top plan. Fig. 2 is a sectional view taken on the line 2-2 of Fig. 1 and looking in the direction of the left hand sear. Fig. 3 is a detail perspective view of the trigger, its mounting, and the two elements embodying my invention, the left hand sear lug being also shown. Fig. 4 is a view similar to Fig. 2, but taken on the line 4-4 of Fig. 1, and looking in the direction of the right hand sear, the several elements of the trigger being shown in full lines in normal position, that is when the hammer is cocked, and in fired position in dotted lines. Fig. 5 is a view similar to Fig. 3, but looking in another direction, and Fig. 6 is a detail perspective view of the left hand sear lug.

In the drawings, and more particularly in Fig. 1, there is shown a double barrel shotgun, the left hand barrel being indicated by the reference character L and the right hand barrel by the reference character R. The left hand hammer is indicated

by the numeral 10 and the right hand hammer by the numeral 11, the left and right hand sears being indicated by the numerals 12 and 13 and being of the usual construction and actuated in the usual manner. As the hammer actuating mechanism in no way affects my invention, it will not be specifically described, it being, however, clearly shown in Figs. 2 and 4 of the drawings.

The trigger mechanism embodied in the invention, as has heretofore been stated, includes but a single trigger which is indicated by the numeral 14, the leaf of the trigger being indicated by the numeral 15 and projecting upwardly through the usual slot 16 which is formed in the trigger plate 17. The trigger leaf 15 is formed adjacent its rear end with a notch 18 and pivoted to the leaf at its said end is a plate 19 which is formed with a lug 20, normally received in the notch 18. A link 21 is pivoted as at 22 to the plate 19 and the point of pivotal connection of the link with the plate is directly to the rear of the point of pivotal connection of the plate with the trigger leaf 15, the function of which construction will presently be fully explained.

As is usual, the sears are formed with lugs, the lug upon the left hand sear being indicated by the numeral 23 and the lug upon the right hand sear being indicated by the numeral 24, this latter lug being reduced at its end as at 25 to project through an opening 26 formed in the link 21, it being understood that a pivotal connection between the said lug and the link is in this manner secured. The lug 20 upon the plate 19 varies as regards its position with respect to the lug 23 upon the left hand sear, as will be presently explained. As shown in Fig. 6 of the drawings, the lug 23 upon the left hand sear is formed at one end with a notch 27.

The operation of the single trigger mechanism embodying my invention and its construction, as heretofore described, will now be fully explained. Upon cocking the right hand hammer 11, the right hand sear 13 will have its rear end slightly lowered, in this manner pushing down on the link 21 and rocking the plate 19 rearwardly to a slight degree, this movement of the plate 19 being had by reason of the relation of the pivot 22 with respect to the pivot which connects the plate and the trigger leaf. The left hand hammer is then cocked and its sear lug 23 is also moved downwardly at its rear

end to a slight degree, the lug 20 upon the plate 19 seating at such time in the notch or recess 27 formed in the said sear lug 23 at the end thereof. A pull upon the trigger will serve to raise the plate 19 and through it the link 21 which movement of the link will, of course, serve to lift the rear end of the right hand sear and in this manner release the right hand hammer. The trigger is then released and the lug 20 moved to position beneath the end of the sear lug 23, whereupon another pull upon the trigger will serve to raise the said sear and release the left hand hammer.

15 What is claimed is:

1. In a single trigger firearm, the combination with the trigger and sears, of a plate pivoted to the trigger leaf and formed with a lug for engagement beneath one sear, and a link pivoted to the plate and to the other sear.

2. In a single trigger firearm, the combination with the trigger and sears, of a member pivoted to the trigger leaf and formed for engagement with one of the sears, and a link pivoted to the said member and to the other sear.

3. In a single trigger firearm, the combination with the trigger and sears, of a plate pivoted to the trigger leaf and formed with a lug for engagement with one of the sears, and a link pivoted to the plate and to the other sear, the pivot connecting the plate to the trigger leaf and the link to the plate being so relatively located that the plate will be swung into position to bring its lug in advance of the same sear which it actuates

upon raising of the link, and into position to bring its lug beneath the sear upon the link being lowered.

4. In a single trigger firearm, the combination with the trigger and sears, of a member carried by the trigger and movable into engagement with one of the sears, and link connection between the member and the other sear.

5. In a single trigger firearm, the combination with the trigger and sears, of a plate pivoted to the trigger leaf and formed with a lug for engagement with one of the sears, and a link pivoted to the plate and to the other sear, the point of pivotal connection of the plate with the trigger leaf being located in advance of the point of pivotal connection of the plate with the link.

6. In a single trigger firearm, the combination with the trigger and sears, of a member permanently connected to the trigger and movable into engagement with one of the sears; and a separate member permanently connecting the first named member and the other sear.

7. In a single trigger firearm, the combination with the trigger and sears, of a member permanently connected to the trigger and movable into engagement with one of the sears; and a permanent connection between said member and the other sear.

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

JAMES LAMER.

Witnesses:

A. MOEHAL,
JOSEF SHELZ.