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SHOTGUN ALIGNER

Filed April 12, 1946

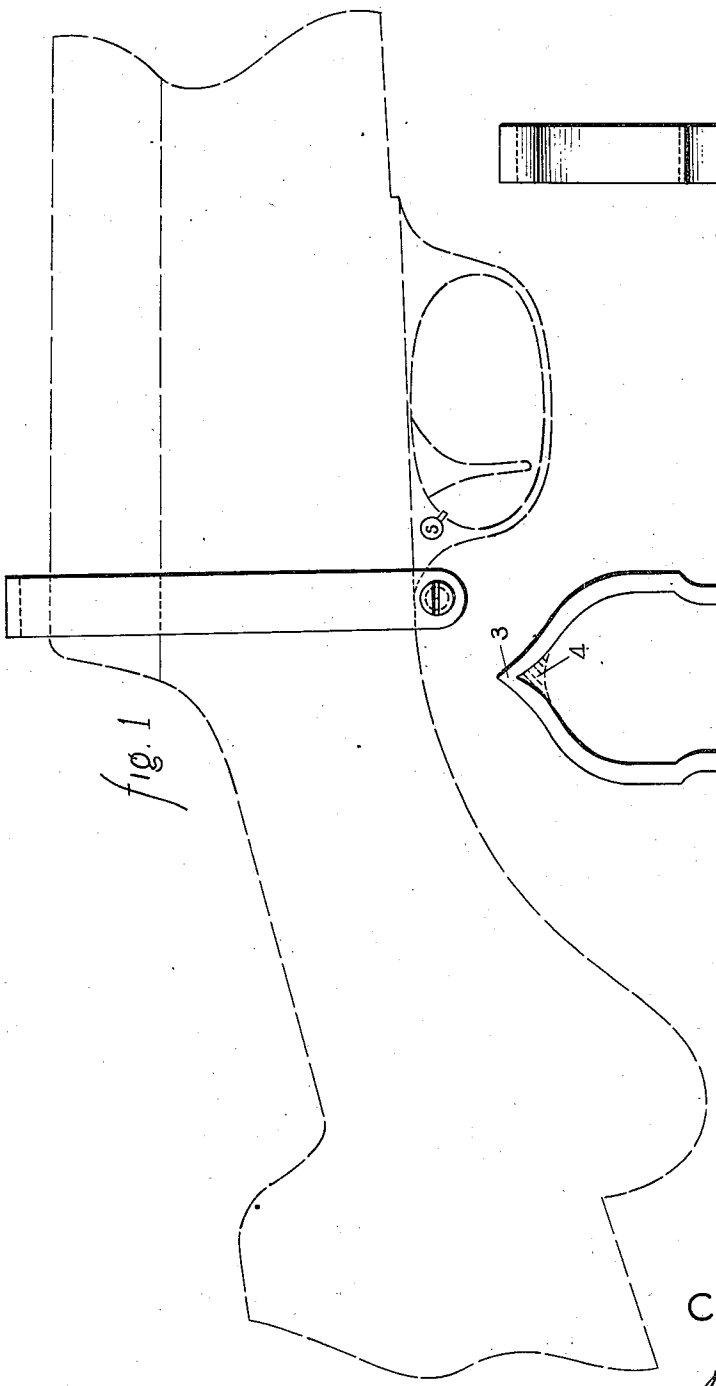


fig. 1



fig. 3

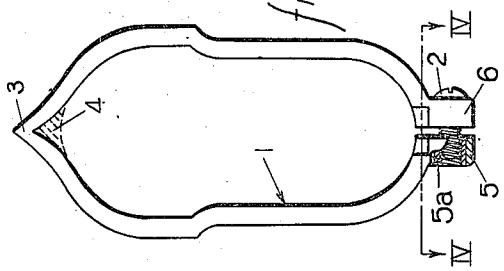


fig. 2

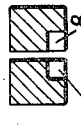


fig. 4

INVENTOR

CARL V. SHY

BY

ATTORNEY

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SHOTGUN ALIGNER

Carl V. Shy, Detroit, Mich.

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1 Claim. (Cl. 33—47)

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This application refers to an improvement in a shot gun aligner and refers particularly to a type thereof adaptable for ready attaching and detaching therefrom.

It is common experience in hunting birds and similar small game, particularly for novices, to shoot solely by sighting across the end of the gun rather than by sighting along the entire barrel, which error in sighting creates an improper alignment of the gun with respect to the target. With the breech of the gun not raised into the line of sight the gun is not properly aligned and the shot will carry over and above target. Where hunting is done in brush or other dense areas, as is usually the case in hunting small game and birds, shots are usually made very quickly and this fault becomes particularly prevalent.

It is therefore desirable to provide a type of sight which will provide a proper alignment and which is readily applicable to the breech of a standard shot gun, but which will not interfere with the aiming or aligning process or with the rapidity of bringing the gun to bear upon a small and fast moving target.

It is further desirable that such a sight or aligner, be of such construction as to be capable of inexpensive manufacture, capable of easy application and removal from the gun, but able to hold itself firmly to the gun when in operating position.

Accordingly, a major object of my invention is to provide a gun sight or aligner, applicable to a shot gun which will assist in bringing the gun to bear accurately upon a target but which will not materially interfere with the visual observation of said target.

A further object of my invention is to provide a shot gun aligner as aforesaid which can be readily applied to and removed from a standard shot gun.

A further object of my invention is to provide a shot gun aligner as aforesaid which will in operating position hold itself firmly to the part of the gun to which it is applied and will resist being ajarred or otherwise made loose.

A further object of my invention is to provide a shot gun aligner as aforesaid which is capable of rapid and inexpensive manufacture.

Other objects and purposes of my invention will be apparent to persons acquainted with articles of this type upon inspection of the following specification and accompanying drawings.

In the drawings:

Figure 1 is a view of one side of my improved sight showing same in operative position with respect to one type of shot gun.

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Figure 2 is an end, partially sectioned, view of my sight showing by the shaded area the space defined by one type of sight over the breech of the gun to which it is applied.

Figure 3 is a side elevation of my improved sight.

Figure 4 is a section taken on the line IV—IV of Figure 2.

In providing a gun sight meeting the objects and purposes above outlined I provide band moldable from any suitable plastic material surrounding a selected place on the breech of the gun and defining a small space immediately above said breech. This space is large enough to permit easy vision therethrough so as not materially to interfere with aligning the gun on the target but is sufficiently restricted that it will force the hunter to bring the breech of the gun up to the line of trajection to target and thus avoid the error above described. The sight may be placed anywhere on the breech of the gun that is convenient but it should be as far back as possible in order to be as close as possible to the eye of the hunter. In this way the interference with sighting on the target is minimized without any sacrifice in accuracy or effectiveness of the sight.

My improved sight or aligner consists essentially of a single band of molded plastic 1 extending entirely around the breech of the gun with which it is used and having a threaded screw 2 clamping the bottom ends of said band together.

In more detail said band is formed in general to fit snugly the contours of the particular style of gun with which it is intended to be used but has a peak portion 3 extending above the upper side of the gun sufficiently to define an area indicated by the shaded region 4 as a clear area above the breech of the gun. It is through this area that the sighting is done. At each end of said plastic band there are tabs 5 and 6 for receiving the fastening screw 2. In the tab 6 there is an opening through which said screw passes readily and in the tab 5 there is suitable threading for threadedly receiving said screw. This is preferably applied by inserting a suitably threaded brass bushing 5*a*. At the forward inward corners of the tabs 5 and 6 there appears the cut-out regions 7 and 8, respectively, which receive the rearward portion of the trigger guard of the gun. By thus receiving a portion of the trigger guard into clamped engagement with the sight, the said sight is firmly held against any

possible movement or shifting with respect to the gun. It will be recognized that the shape of the band surrounding the breech of the gun is such that such movement or shifting is made very difficult, but this clamping effect against the trigger guard will make such shifting virtually impossible.

It will be evident that the particular contour here shown, which has been selected for a Remington automatic, may be suitably varied to fit any kind of gun and that it may be made of any available material. However, it is more economically made from molded plastic, either thermo-setting or thermo-plastic, and that the molding may be by any desired process.

Having thus fully disclosed and described my invention I claim:

A readily detachable sight for a gun comprising: a single strip of plastic material extending substantially all of the way around the gun with which it is used and conforming closely to the sides thereof; a portion substantially midway of said strip extending away from the position of close conformity to the surface of the gun and defining a clear area immediately above the breech of the gun; screw receiving tabs at each

end of said strip, one of said tabs having a smooth opening therein for receiving the shank of a connecting screw and the other of said tabs having an internally threaded metallic bushing therein for receiving in threaded engagement a threaded portion of said screw; and a screw in operative position with said tabs and bushing for tightening said strip closely against the breech of a gun when said strip is in operative position; and notches in said tabs for cooperatively receiving the trigger guard of a gun with which said strip is being used, by which said strip may be by said screw tightly held against said trigger guard as well as around the breech of the gun itself.

CARL V. SHY.

REFERENCES CITED

The following references are of record in the file of this patent:

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