July 9, 1935. I. G. WAGNER 2,007,437

GUN SIGHT

Filed March 14, 1934

Fig. 1

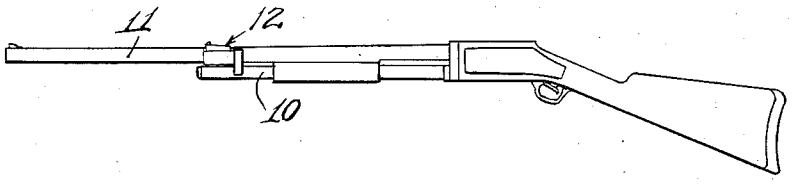


Fig. 2

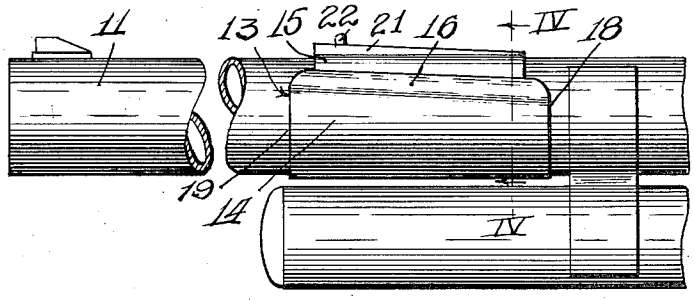


Fig. 3

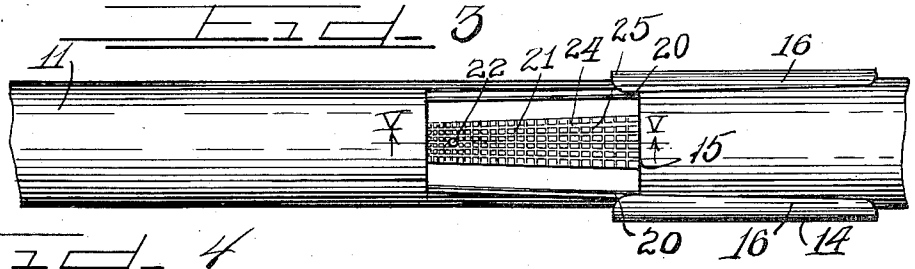


Fig. 4

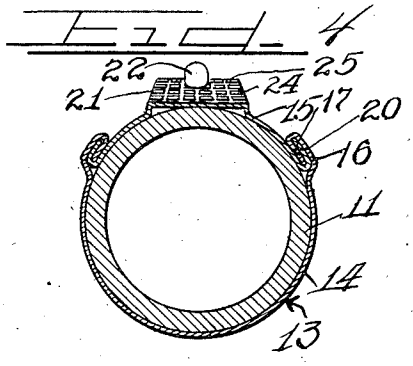
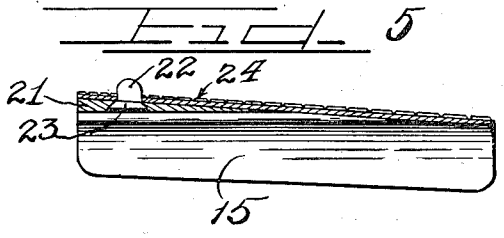


Fig. 5



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GUN SIGHT

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6 Claims. (Cl. 33—47)

This invention in general relates to a gun sight and is more particularly concerned with a gun sight which may be easily and simply attached to a gun to serve as an adjunct to the permanent sight thereof, particularly in the case of shotguns.

Shotguns as manufactured at the present time are provided only with the usual rear sight and a bead sight at the muzzle of the barrel. These sights, due to the fact that a great deal of snap shooting is done with shotguns, have proved to be inadequate, since it is difficult to quickly and properly align both sights.

In an endeavor to provide for the quick alignment of the sights, some shotguns have been provided with a rib which extends the entire length along the top of the barrel. This rib, however, is very expensive.

With the foregoing in mind, the present invention contemplates the provision of an auxiliary sight which will be inexpensive, is simple in construction, economical of manufacture and may be quickly and easily attached to an ordinary shotgun to serve as an adjunct to the usual sights which are furnished as a permanent part of the gun.

As an additional object, the present invention contemplates a sight of improved construction incorporating means which will enable the sight to be quickly and easily attached to the gun barrel without the use of tools.

A further object of the present invention resides in the provision of a "pin-sight" having mounting means whereby the sight may be easily and quickly replaced in the event that it should become broken or injured in any manner.

Another object of the invention is to provide a gun sight which is so constructed as to be a material aid in quickly sighting the gun, particularly in the case of snap shooting.

To this end, it is proposed to provide a clamping band having a slidably removable section as a part thereof, this section being connected to the band proper in such a manner that when the section is slipped into place, the connection operates to cause the band to clampingly engage the gun barrel. The pin-sight and grooves for aiding in the proper sighting of the gun are carried by the removable section of the band.

Other objects and advantages of the present invention will more fully appear from the following detailed description taken in connection with the accompanying drawing which illustrates a single embodiment thereof, and in which,

Figure 1 is an elevation of a gun having the sight of the present invention mounted thereon;

Figure 2 is an enlarged fragmentary view in elevation to more clearly show the sight of this invention in clamped position on the gun barrel;

Figure 3 is an enlarged fragmentary plan view showing the parts of the sight of this invention at the beginning of the operation for clamping the sight to the gun barrel;

Figure 4 is an enlarged transverse sectional view taken through the gun barrel with the sight mounted thereon, to more clearly show the manner in which the parts of the clamping band are secured together; and

Figure 5 is a longitudinal section taken through the removable section of the clamping band of the improved sight of this invention.

As shown on the drawing:

In the illustrated embodiment of the present invention, there is shown in Figure 1 a repeating type shotgun of the usual construction having the customary magazine 10 for shells and barrel 11. The sight of my invention, which is generally indicated at 12 is clamped to the gun barrel adjacent the forward end of the shell magazine. It will be appreciated that while the gun sight of the present invention has been illustrated in connection with a shotgun, it will be apparent to one skilled in the art that the invention may with equal facility be applied to and utilized with advantage in other types of guns.

The gun sight is secured to the gun barrel by means of a clamping band which is generally indicated at 13. This band is composed of a band proper portion 14 and a removable section 15 which is slidably engaged by the ends of the band portion 14.

The band portion proper 14 is of curved form so as to fit around the outer surface of the gun barrel and at each end is provided with an offset marginal portion 16 which is turned back to form a spaced flange 17. Referring to Figure 2 it will be observed that the offset margin 16 with the inwardly and turned back flange 17 do not extend so as to be at right angles relative to the rear edge 18 and front edge 19 of the band portion proper 14, but is carried obliquely thereacross so that the circumferential distance between the flanges 17—17 at the rear edge 18 of the portion 14 is less than the like distance between these flanges at the edge 19 of the portion. The purpose of the particular construction just described will be more fully apparent as the description of my invention proceeds.

The removable section 15 of the clamping band

is provided at each lateral margin with a turned back and spaced flange 20 which is arranged to slidably interlock with the associated flange of the portion 14, the flange 20 being insertable between the flange 17 and the offset marginal portion 16 at each of the connections between the removable section 15 with the main section proper 14 of the clamping band.

Midway between the lateral edges of the section 15, this section is provided with an upstanding rib 21 which may be stamped or otherwise formed in the section 15. Referring to Figure 2, it will be observed that this rib is upwardly inclined from the rear of the clamping band to the forward portion thereof, and is at the same time tapered as shown clearly in Figure 3.

Adjacent the forward end of this rib and on the longitudinal center line thereof, there is disposed an upstanding pin 22 which serves as a pin-sight. This pin may be secured in position in any well known manner, but it has been found preferable to provide the pin with a beveled head as illustrated at 23 and use a cement or like composition for holding the pin in place. With this arrangement, the pin may be very easily replaced, should the same become broken or damaged for any reason.

The upper surface of the rib 21 is provided with a plurality of longitudinally extending grooves which are arranged in converging relationship, these grooves converging at the forward end of the rib. The longitudinally extending grooves are also intersected by right angularly disposed grooves 25 which it will be observed are more closely spaced as they approach the forward end of the rib.

The pin-sight is preferably made of brass, ivory, or some other material having a color to form a distinguishing contrast with the clamping band and rib, which are preferably constructed of blue or brown colored metal.

The taper of the rib 21, the converging grooves thereon and the transverse grooves which are more closely spaced toward the forward end of the rib, cooperate to convey the idea of distance and establish a vanishing point which will materially aid in aligning the sights of the gun.

The gun sight of my invention is easily and quickly applied to the gun barrel. This is accomplished by first disconnecting the section 15 from the section 14, after which the section 14 is placed around the lower portion of the gun barrel at the point where it is desired to affix the sight. The end opposite the pin-sight end of section 15 is then inserted at the forward edge 19 of section 14, the flanges of the two sections being interlocked as shown in Figure 4.

Holding the section 14 against movement, the section 15 is then pushed rearwardly until in the position shown in Figure 2. During the movement of section 15 in a rearward direction, it will be evident that due to the oblique nature of the flange 17, the sections will more firmly grip the gun barrel as the section 15 approaches fully inserted position.

From the foregoing description, it will be apparent that this invention provides an improved auxiliary sight for a gun which is simple in construction and which is inexpensive as compared to the present form of auxiliary sights; which may quickly and easily be attached without the use of tools; which is so constructed as to materially aid in the quick aligning of the sights, such as required in snap shooting; and a gun sight of the pin type which is so mounted as to permit the pin-sight to be easily replaced in the event that it should become broken or damaged for any reason.

Now, it is of course to be understood that although I have described in detail the preferred embodiment of my invention, the invention is not to be thus limited but only insofar as defined by the scope and spirit of the appended claims.

I claim as my invention:

1. An auxiliary sight for a gun comprising a band adapted to clampingly engage a gun barrel, a raised rib on said band extending longitudinally of said barrel, said rib being upwardly inclined from breech to muzzle and tapered in width towards the muzzle end of the gun barrel, and sighting means positioned on said rib adjacent its uppermost end.

2. An auxiliary sight for a gun comprising a band adapted to clampingly engage a gun barrel, a raised rib on said band extending longitudinally of said barrel, said rib being upwardly inclined from breech to muzzle and tapered in width towards the muzzle end of the gun barrel, and sighting means positioned on said rib, said means including a pin-sight at the raised end of said rib, and a plurality of grooves extending longitudinally of the upper surface of the rib and converging towards said pin-sight.

3. An auxiliary sight for a gun comprising a band adapted to clampingly engage a gun barrel, a raised rib on said band, said rib being upwardly inclined and tapered in width towards the muzzle end of the gun barrel, and sighting means positioned on said rib, said means including a pin-sight at the raised end of said rib, a plurality of grooves extending longitudinally of the upper surface of the rib and converging towards said pin-sight, and a plurality of transversely extending grooves intersecting the longitudinal grooves, the transverse grooves being more closely spaced at the converging ends of the longitudinal grooves.

4. An auxiliary sight for a gun comprising a band adapted to be clamped to a gun barrel, a raised rib on said band, said rib being upwardly inclined and tapered in width towards the muzzle end of the gun barrel, and sighting means positioned on said rib, said means including a pin-sight at the raised end of said rib, and a plurality of intersecting longitudinally and transversely extending grooves on the upper surface of the rib, said grooves being more closely spaced at the forward end of the rib.

5. A device of the character described comprising a tapered tubular band for clamping to a gun barrel, said band having a removable section slidably engaged for movement in the direction of its longitudinal axis, the smaller end of the band with the removable section therein being of such circumference as to tightly grip the gun barrel, whereby movement of said section towards the small end of the band causes the band to clampingly grip the barrel, and sight means carried by said band.

6. A device of the character described comprising a band adapted to extend around a gun barrel, a removable tapered section in said band, interlocking slip flanges connecting the lateral edges of said section with the associated edges of the band proper, whereby movement of the tapered section from its removed position to a position in the band will cause the band to clampingly engage the associated gun barrel, and sight means carried by said band.

IRVING G. WAGNER.