July 24, 1962 W. R. HIBBARD 3,045,832

GUN HANGER

Filed July 14, 1960

Fig. 1

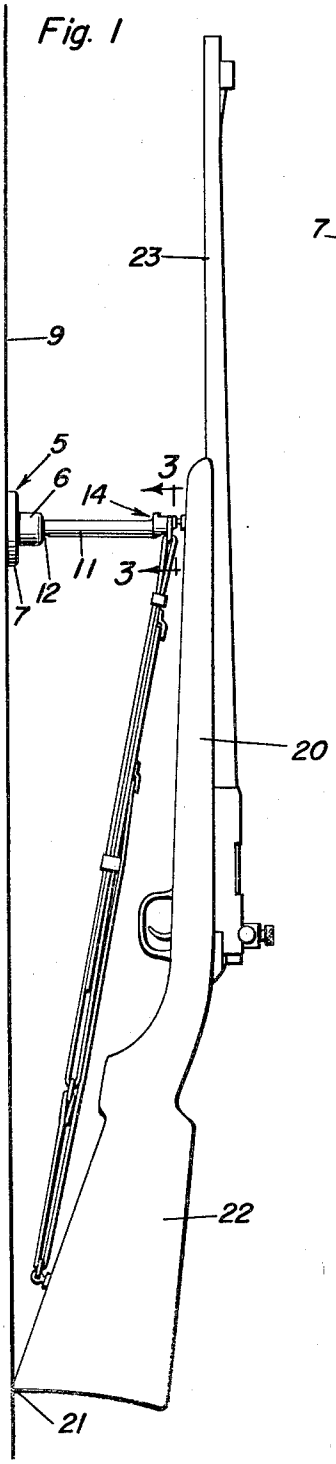


Fig. 2

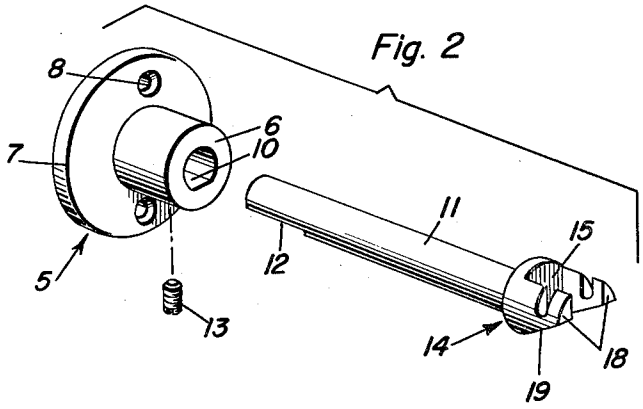


Fig. 3

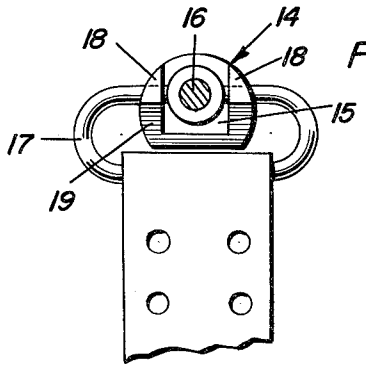
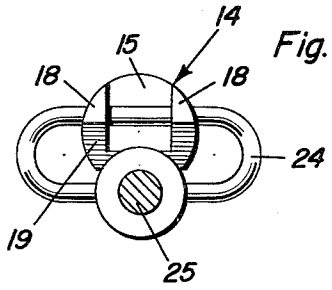


Fig. 4



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GUN HANGER

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This invention relates to new and useful improvements in gun hangers particularly, although not necessarily, for rifles and has for its primary object to provide, in a manner as hereinafter set forth, novel means engageable with the usual sling swivel for mounting the weapon on a wall or other suitable support.

Another very important object of the present invention is to provide a rifle, shotgun, etc., hanger of the aforementioned character which supports the weapon in such a manner that only the toe of the stock contacts the wall, the barrel extending in spaced parallelism thereto.

Still another important object of the invention is to provide an improved hanger of the character described from which, if desired, the gun may not be readily removed without first using a tool, thus providing a measure of safety when desired in certain circumstances.

Another object of the invention is to provide a hanger of the character set forth which is adjustable as may be necessary to accommodate various guns.

A further object of the present invention is to provide a gun hanger which is engageable with substantially all types of swivels of standard sizes with the slings attached thereto.

Other objects of the invention are to provide an improved gun hanger which is comparatively simple in construction, strong, durable, compact and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

FIGURE 1 is a view in side elevation, showing a rifle mounted on a hanger constructed in accordance with the present invention;

FIGURE 2 is a perspective view of the hanger per se, showing the parts separated;

FIGURE 3 is a sectional view on an enlarged scale, taken substantially on the line 3—3 of FIGURE 1; and

FIGURE 4 is a sectional view substantially similar to FIGURE 3 but showing the manner in which a sling swivel comprising an exceptionally large pinion is engaged with the hanger.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a base of suitable metal which is designated generally by the reference character 5. The base 5, which may also be of any desired size or dimensions, includes a socket or sleeve 6 having on one end portion thereof a flange 7. The flange 7 is apertured as indicated at 8 to accommodate countersunk screws for securing the base 5 in position on a wall 9 or other suitable vertical support. The sleeve or socket 6 is provided in its lower portion with a flat 10.

The sleeve 6 is for the reception of a removable arm 11 of circular cross-section. The arm 11 comprises on its inner end portion a flat 12 which is cooperable with the flat 10 for positively securing said arm against rotation in the sleeve 6. A suitable setscrew 13, in the embodiment shown, is threadedly mounted in the lower portion of the sleeve 6 and engaged with the flat 12 for securing the arm 11 in said sleeve. If desired, the setscrew 13 may be dispensed with. Also, a keyway may be provided in the arm 11 in lieu of the flat 12 for receiving the setscrew. The flat 10 may also be eliminated whereby the sleeve 6 may be produced by drilling and reaming, thus materially reducing the cost of manufacturing.

Formed integrally with the arm 11 on the outer end thereof is a generally cylindrical head 14. Milled into the head 14 from the forward end thereof is a longitudinal slot or recess 15 which accommodates the usual pinion 16 of a conventional gun swivel 17. Thus, the head 14 is bifurcated. The bifurcations of the head 14 are then transversely slotted or notched in a manner to provide a pair of spaced, parallel hooks or the like 18 which are engageable with the swivel 17 adjacent the opposite sides of the pinion 16. Then, the head 14 is undercut as indicated at 19 for clearance.

It is thought that the use of the invention will be readily apparent from a consideration of the foregoing. Briefly, the arm 11 is removed from the base 5 and the hooks 18 are engaged with the swivel 17 astraddle the pinion 16. The arm 11 is then placed in the base 5 and the rifle as indicated at 20 hangs by gravity from said arm in an obvious manner. When the arm 11 is properly adjusted longitudinally to the correct position in the sleeve 6 only the toe 21 of the gun stock 22 abuts the wall 9, the barrel 23 extending upwardly in spaced parallelism to said wall, as shown. The adjustment of the arm 11 may be secured by the setscrew 13. With the arm 11 secured by the setscrew 13 unauthorized removal of the gun is prevented or at least rendered difficult. The construction and arrangement is such that the upper end of the barrel 23 will engage the wall 9 and prevent the lower end of the gun from being swung outwardly far enough for the swivel to clear and be lifted out of the hooks 18. Thus, a suitable tool will be required to loosen the setscrew 13. In FIGURE 4 of the drawing, reference character 24 designates a sling swivel comprising a pinion 25 which is too large to be received in the slot or recess 15. When this situation is encountered the sling is disconnected to permit the swivel 24 to be inverted, as shown, and engaged in the hooks 18 with the undercut 19 accommodating the pinion 25.

It is believed that the many advantages of a gun hanger constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed. For example, a multiple base may be substituted for the single base 5, said multiple base including a horizontally elongated bar or the like secured on a wall or other vertical support and provided with a series of longitudinally spaced arm receiving sockets or sleeves.

What is claimed as new is as follows:

1. The combination of a vertical supporting surface, a hanger mounted on said surface and projecting laterally outwardly therefrom to a predetermined extent, a gun suspended from said hanger in a substantially upright position with the gun stock abutting said vertical surface at a point spaced downwardly from the hanger and the gun barrel projecting above the hanger in spaced relation from said surface, said gun including a sling swivel with a pinion disposed intermediate the ends of said barrel, said hanger including a surface mounted base portion, an upwardly projecting arm, means separably connecting said arm to said base portion, and hook means provided at the outer end of said arm, said hook means extending into and supportably engaging said sling swivel, means for immobilizing said swivel relative to said gun in a position requiring a portion of the swivel to be swung outwardly from said surface for disengagement thereof

from said hook means, and the distance of the hook means from said surface being such that outward swinging of the swivel on the hook means is prevented by contact of the barrel with said vertical surface, whereby the gun can be removed from the hanger only upon separation of said means connecting said arm to the base portion of the hanger.

2. The device as defined in claim 1 wherein said base portion of said hanger is provided with a socket, said arm having an inner end portion slidably but non-rotatably received in said socket, and a set screw removably locking said arm in said socket.

3. The combination of a vertical supporting surface, a hanger mounted on said surface and projecting laterally outwardly therefrom to a predetermined extent, a gun suspended from said hanger in a substantially upright position with the gun stock abutting said vertical surface at a point spaced downwardly from the hanger and the gun barrel projecting above the hanger in spaced relation from said surface, said gun including a sling swivel with a pinion disposed intermediate the ends of said barrel, said hanger including a surface mounted base portion, an outwardly projecting arm, means separably connecting said arm to said base portion, and hook means provided at the outer end of said arm, said hook means extending into and supportably engaging said sling swivel in a manner whereby the swivel requires to be swung outwardly from said surface for disengagement thereof from said hook means, and the distance from the hook means to said surface being such that outward swinging of the swivel on the hook means is prevented by contact of the barrel with said vertical surface, whereby the gun can be removed from the hanger only upon separation of said means connecting said arm to the base portion of the hanger, said hook means including a pair of transversely spaced and upwardly opening hooks receiving portions of said swivel at opposite sides of said pinion with the pinion disposed in the space between the hooks, said hooks having upwardly bevelled lower edges overlying a portion of the swivel below said pinion.

4. The combination of a vertical supporting surface, a hanger mounted on said surface and projecting laterally outwardly therefrom to a predetermined extent, a gun suspended from said hanger in a substantially upright position with the gun stock abutting said vertical surface at a point spaced downwardly from the hanger and the gun barrel projecting above the hanger in spaced relation from said surface, said gun including a sling swivel with a pinion disposed intermediate the ends of said barrel, said hanger including a surface mounted base portion, an outwardly projecting arm, means separably connecting said arm to said base portion, and hook means provided at the outer end of said arm, said hook means extending into and supportably engaging said sling swivel in a manner whereby the swivel requires to be swung outwardly from said surface for disengagement thereof from said hook means, and the distance from the hook means to said surface being such that outward swinging of the swivel on the hook means is prevented by contact of the barrel with said vertical surface, whereby the gun can be removed from the hanger only upon separation of said means connecting said arm to the base portion of the hanger, said hook means including a pair of transversely spaced and upwardly opening hooks receiving said swivel and having upwardly bevelled edges overlying said pinion.

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