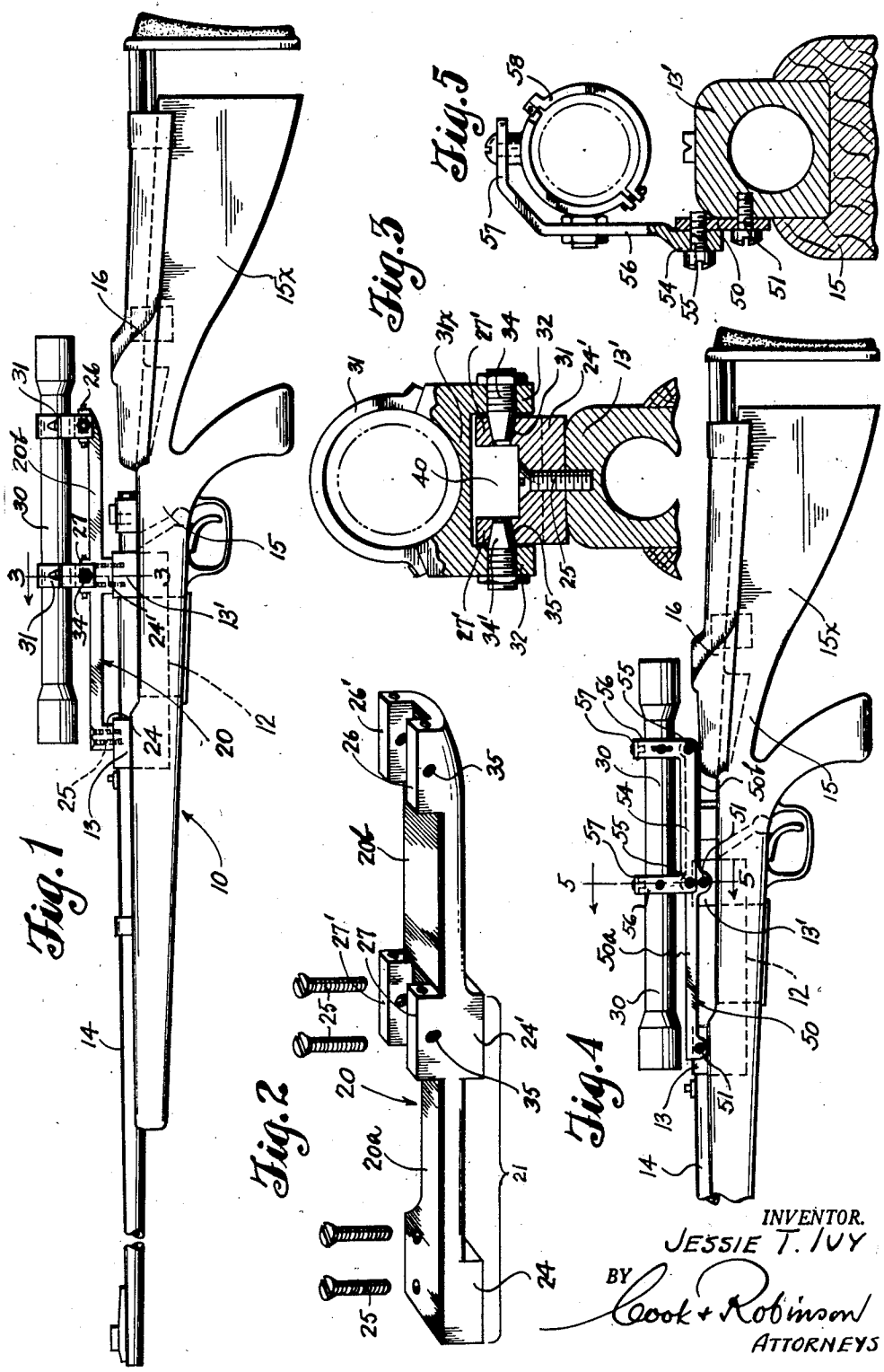
33-245. OR 2,825,138 SR SEARCH ROOM

March 4, 1958 J. T. IVY 2,825,138

TELESCOPE MOUNTING BAR

Filed April 16, 1956



INVENTOR.
JESSIE T. IVY
BY Cook & Robinson
ATTORNEYS

2P

United States Patent Office 2,825,138 Patented Mar. 4, 1958

2,825,138

TELESCOPE MOUNTING BAR

Jessie T. Ivy, Seattle, Wash.

Application April 16, 1956, Serial No. 578,527

2 Claims. (Cl. 33—50)

This invention relates to mountings for telescope sights as used, for example, on hunting rifles, and it has reference more particularly to what may be referred to as a telescope sight mounting bar; it being the principal object of the present invention to provide a mounting bar that may be fixed to the gun frame for the functional support of the telescope in a position substantially rearward of the normal position of use of such sights relative to the gun frame.

Explanatory to the present invention, it will be here noted that in a co-pending application, filed under Ser. No. 530,449 on August 25, 1955, I have described and illustrated an attachment mechanism for a bolt action hunting rifle that is operable, by the recoil forces in the rifle upon firing, to effect a reloading operation. By reason of the use of such an attachment mechanism on the gun, it is necessary that, in sighting on an object, the position of the rifle user's head, relative to the gun stock, be farther rearward than otherwise. In fact, it would be quite out of position relative to the telescope sight if the latter was mounted on the gun frame in the usual way. It is to provide means for mounting the telescope sight in a suitable position, in consideration of its use on a rifle that is equipped with the attachment means of the co-pending application, that the present invention has been devised.

More specifically stated, it is the primary object of this invention to provide a telescope mounting bar that is adapted to be fixed to the gun frame at the usual place of mounting of a telescope sight, and which bar has a portion thereof extended rearwardly along the gun stock that is equipped with means for the mounting of a telescope sight.

It is a further object to provide a mounting bar of the kind above stated that is equipped with means for supporting the telescope sight above the normal line of the gun sights so that it will not, as thus mounted, interfere with sighting in the usual way when such is desired.

Further objects of the present invention reside in the details of construction of the mounting bar and in its combination with the gun and mode of use as will hereinafter be fully described.

In accomplishing these and other objects of the invention, I have provided the improved details of construction the preferred forms of which are illustrated in the accompanying drawings, wherein:

Fig. 1 is a side view of a rifle that is equipped with a telescope sight mounting bar embodied by the present invention.

Fig. 2 is a perspective view of the telescope mounting bar detached from the rifle.

Fig. 3 is an enlarged cross-sectional view taken on the line 3—3 in Fig. 1.

Fig. 4 is a side view of a rifle that is equipped with a telescope sight mounting bar embodied by the present invention as designed for attachment to the side of the gun frame.

Fig. 5 is an enlarged cross-section taken on the line 5—5 in Fig. 4.

Referring more in detail to the drawings:

In Fig. 1, I have shown a present day type of hunting rifle that is designated in its entirety by reference numeral **10**; this rifle having the usual metal frame **12** providing the two longitudinally spaced, and upwardly directed blocks **13** and **13'** in which the inner end portion of the gun barrel **14** is fixed, and to which frame and barrel the wooden gun stock **15** is secured in the usual way.

To indicate the desirability for use of the present telescope mounting bar, the present gun has been shown as being equipped with certain attachment parts, previously mentioned, for effecting an automatic reloading after firing; one of which parts is a face plate **16** that is attached to and which extends along the top edge portion of the butt end section of the gun stock, designated at **15***x*.

It is usually the case that a rifle of this kind, when equipped with a telescope sight of the type herein shown, has the telescope mounting means fixed on top of the frame parts **13—13'**, with the telescope disposed symmetrically relative to these parts. However, in the present instance the telescope sight is disposed rearwardly of its usual position and is there mounted by a rigid bar **20** which, as shown best in Fig. 2, has a forward end portion **20***a*, that spans the distance within the bracket **21** in Fig. 2, secured at its ends upon the gun frame members **13** and **13'**, and has a rearwardly extending cantilever arm **20***b* that mounts the telescope sight thereon.

It will be observed by reference to Fig. 2 that the bar **20** is somewhat flattened in a horizontal plane, and at the opposite ends of its forward portion is formed transversely thereacross with lugs **24—24'** which are fitted to the top surfaces of the gun frame parts **13** and **13'** which will herein be referred to as pedestals. Screws **25** are applied downwardly through these parts of the bar from the top side and into the pedestals thus to rigidly secure the bar **20** in place as shown in Fig. 1. Formed at the rear end of the bar **20** and also at a location directly above the lug **24'**, are paired, upwardly directed and laterally spaced ribs or lugs **26—26'** and **27—27'** providing open space between them, and along the top of the bar **20** for sighting on the gun sights in the usual way.

In Fig. 1 a typical form of telescope sight is designated by numeral **30** and it is shown to be equipped with mounting bands **31—31** which preferably, are of the form of construction shown in Fig. 3; each band being clamped about the telescope barrel and each having a base portion **31***x* formed at opposite sides with depending legs **32—32** which are disposed at opposite sides of and slightly outwardly spaced from the upwardly extending lugs **26—26'** and **27—27'** as formed on the bar **20**. Extending inwardly through these legs are screws **34** with conically tapered inner end portion **34'** fitted in correspondingly tapered sockets **35** in the lugs **26—26'**, **27—27'**. By proper adjustment of these screws, the telescope can be aligned properly or "sighted in."

By reference to Fig. 3, it will be understood that an open passage **40** is provided below the telescope and between the lugs **26—26'** and **27—27'** of the bar **20** through which sighting by use of the gun sights, in the usual way, is possible.

The alternative form of construction shown in Figs. 4 and 5 comprises a flat bar or plate **50** which has a forward end portion **50***a*, corresponding to the part **20***a* of bar **20**, placed flatly against the side faces of the frame pedestals **13—13'** and secured thereto by screw bolts

51—51, and a rearwardly extending portion 50*b* that corresponds to the part 20*b* of the bar 20, which extends rearwardly from the frame lug 13'. Disposed flatly against and extending along the part 50*b* of bar 50 is a plate 54. This is bolted in place at its ends by screw bolts 55. Extended upwardly from the opposite end portions of the plate 54, are standards 56—56 which at their upper ends are formed into horizontal arms 57—57 that extend across the gun barrel, as in Fig. 5. To these parts, collars 58 are secured, and in the collars the telescope 30 is mounted.

It is shown in Fig. 5 that the telescope 30 is held above and clear of the line of the gun sights so that sighting can be done in the usual way if it is not desired to use the telescope. The telescope mountings shown in Fig. 5 correspond to that of my United States Patent No. 2,782,511 and are not claimed per se herein. The telescope mounting as shown in Fig. 3 is in accordance with that of my United States Patent No. 2,743,526 and is not claimed herein. However, it is not the intent that the present mounting bar 20 or bar 50 be confined in use with any specific form of collar or mount for the telescope. The gist of the invention resides in the provision of means for supporting the telescope 30 at a position substantially rearward of the normal position of use relative to the gun stock to bring it into proper relationship to the rifle users sighting eye when his face is protectively placed against the face rest 16.

What I claim as new is:

1. In combination with an automatic bolt action rifle having a frame, a barrel equipped with front and rear sights mounted in the frame, a stock fixed to the frame, and a face rest plate fixed to the stock rearwardly of the frame and bolt and against which the rifle user may rest his face for sighting and for protection from damage by the bolt in its automatic rearward action; a telescope sight mounting means comprising a rigid bar, overlying and extending along said frame and comprising a forward end portion fixed to the frame for support of the bar and a rearward portion extended as a cantilever arm rearwardly of said frame to a position near said face plate; said bar having means at the rear end of said rear end portion and at a point forwardly thereof for the functional mounting of a telescope sight on said rifle with its eyepiece in proper position to accommodate the sighting eye of the user when his face is rested in sighting position against said face plate.

2. The combination recited in claim 1 wherein said bar is formed with paired, laterally spaced lugs on its top side whereby the telescope sight is held in spaced relationship above the bar to provide a sighting passage through which the rifle user may sight on said front sight while resting his face against the said face plate.

References Cited in the file of this patent

UNITED STATES PATENTS

2,486,002	Buehler	Oct. 25, 1949
2,601,613	Jahncke	June 24, 1952
2,775,817	Schuman	Jan. 1, 1957