A. WILCKE.

GUN SLING ATTACHING MEANS.

APPLICATION FILED JAN. 22, 1913.

1,088,314. Patented Feb. 24, 1914.

Fig. 1.

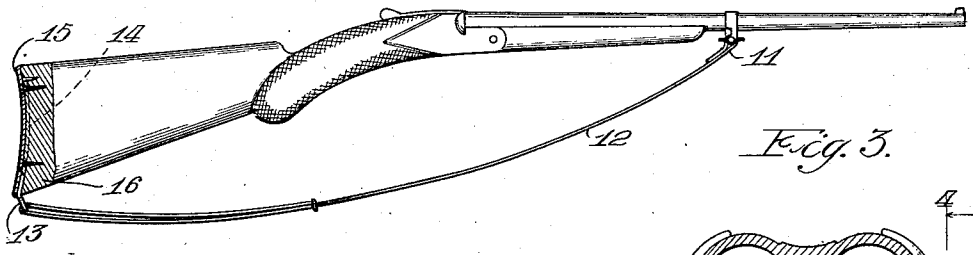


Fig. 2.

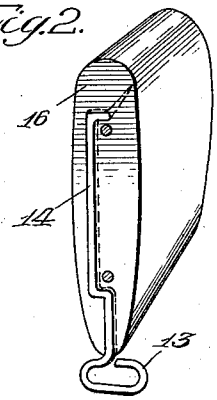


Fig. 3.

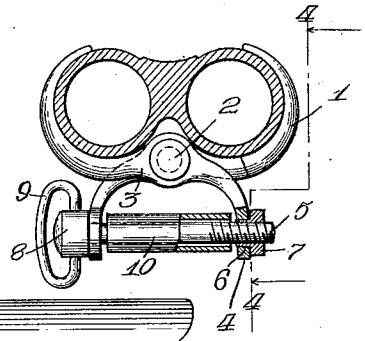


Fig. 4.

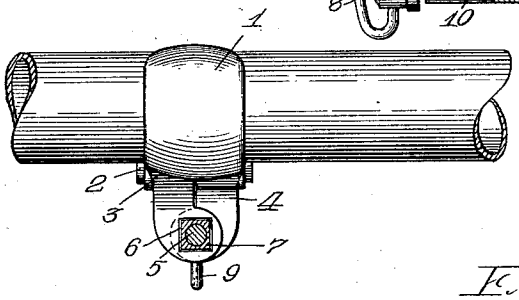


Fig. 5.

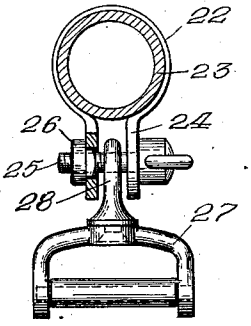


Fig. 6.

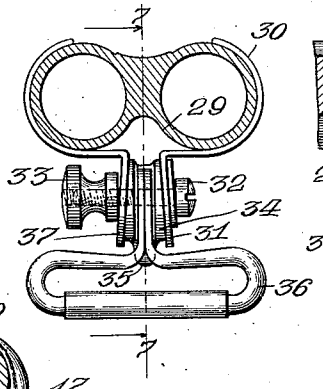


Fig. 7.

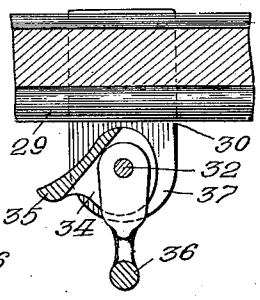
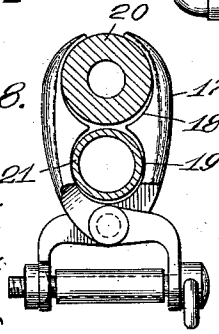


Fig. 8.



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GUN-SLING-ATTACHING MEANS.

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Application filed January 22, 1913. Serial No. 743,659.

To all whom it may concern:

Be it known that I, ADOLPH WILCKE, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Gun-Sling-Attaching Means; 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 has for its object to provide means for attaching a strap or sling to a gun such as a rifle, shot gun, carbine and the like, and consists in the features of construction and combinations of parts hereinafter fully described and particularly claimed.

In the accompanying drawings illustrating the invention: Figure —1— is a view of a gun equipped with a sling or strap attached thereto by means of a device embodying my invention. Fig. —2— is a detail view in perspective of the butt end of the gun stock with the butt or shoulder plate removed showing a device embodying my invention secured thereto. Fig. —3— is a detail transverse section through the barrel of a double-barreled shot gun equipped with an attachment embodying my invention, the latter being shown partly in elevation and partly in section. Fig. —4— is a detail sectional view on the line 4—4 of Fig. —3—. Fig. —5— is a view similar to Fig. —3— showing a modified form of construction of clamp. Fig. —6— is a detail transverse section through the barrel of a double-barreled shot gun equipped with an attachment of a modified form of construction embodying the invention. Fig. —7— is a detail sectional view on the line 7—7 of Fig. —6—. Fig. —8— is a detail transverse section through the barrel of a magazine rifle equipped with a clamp embodying my invention.

Many persons who are fond of hunting are desirous of having their guns equipped with slings for convenience in carrying the same, especially when traveling over rough ground and when burdened with game as the result of their expeditions, but, at the same time, upon many occasions such a sling is undesirable as are also those parts or devices mounted on the gun for attaching such sling. It is also desirable to suit the convenience and tastes of users of guns to make the gun sling-attaching means adjustable on the gun so as to permit the latter, when suspended from the shoulder, to assume the position which the user desires and to provide at least one of said attaching means of such form as to make it readily removable from the barrel so as to render the gun lighter in handling and also to obviate all unnecessary parts or obstructions adapted, or likely to become entangled in undergrowth or to otherwise make the handling of the gun more inconvenient.

The object of my invention is to provide gun-sling or strap-attaching means, one of which shall be readily removable from the gun barrel and adjustable on the latter, and which may be readily replaced when desired, and which furthermore, shall be small, compact and easily operated.

A further object of the invention is to provide a gun-sling or strap-attaching device for the gun-stock which may be readily mounted on the latter and which, when so mounted, will afford the least possible projection from the stock.

In the accompanying drawings, I have illustrated the invention modified to suit various types and kinds of guns, and also in modified forms showing various embodiments of the invention.

The guns most commonly used today are the double barreled shot gun and the magazine gun or rifle. The latter may be of any one of several types, the most common, however, being that which contains a magazine tube extending parallel with and below the gun or rifle barrel, as indicated in Fig. —8—.

One part of my device, which constitutes the main part of the invention, comprises a clamp consisting of two jaws 1 having opposed concave faces and between which the barrel portion of the gun of whatever type is adapted to be received and engaged. The said jaws 1 are pivotally secured together by means of a pin, bolt or other pivoting device 2 which passes relatively loosely through openings in the shank portions 3

of said jaws 1 so that the latter will be capable of relative lateral movement whereby the concave faces thereof may adjust themselves to the taper of the barrel engaged therebetween. Each of said shank portions 3 terminates in a projection 4, said projections being opposed to each other and provided with openings for the passage of the bolt 5. One of said shanks 4 is provided with a polygonal opening to receive the polygonal end portion 6 of the nut 7 of said bolt so that said nut may be incapable of rotation relatively thereto, the opening in the other of said projections 4 being adapted to permit free passage and rotation of the shank of the bolt, but being of smaller diameter than the head 8 of the latter. In said head 8 there is mounted a swiveled thumb member 9 by means of which the same may be readily rotated.

Mounted on the shank 5 of said bolt is a revoluble sleeve 10 which is adapted to pass through the loop 11 at one end of the strap or sling 12, said sleeve being shorter than the space separating the projections 4 when the jaws 1 are firmly engaged with the gun barrel. By turning said bolt in the direction to draw said projections 4 toward each other the jaws 1 will be also forced toward each other and thus engage the gun barrel interposed therebetween. When the gun-barrel is thus clamped between the jaws of the jaw members of my device, the anti-friction sleeve 10 will permit the sling 12 to be moved with respect to the shank 5 of the bolt without effecting a rotation of the bolt and thereby loosening the engagement of the jaws with the gun-barrel.

Some guns are provided on the stock thereof with a loop for attaching one end of a gun sling but generally such attachment is omitted. In order to provide means for readily attaching the sling to the gun stock, I provide a device, shown in Fig. —2—, made of rectangular wire or from the thin strip of sheet metal, and which comprises a loop 13 through which one end of the sling 12 is adapted to be passed and which is provided with a shank having a laterally off-set portion 14 between its ends, said shank being adapted to be driven throughout its whole length by laterally applied blows into the end of the gun stock below the butt or shoulder plate 15 of the latter, which is removed for the purpose of embedding said shank 14 in said stock and which is then replaced to prevent removal of said shank. The latter is also preferably provided at its inner end with a prong 16 which, however, may be omitted if desired.

If the clamp is to be attached to a single barrel gun or rifle or a magazine gun the jaw portions 1 thereof will be modified in shape to adapt them to the purpose, as shown in Fig. —8—, in which said jaws 17 corresponding to the jaws 1, shown in Fig. —3—, are provided with two opposed concave recesses 18 and 19 respectively, to receive the gun or rifle barrel 20 and its magazine tube 21, but which otherwise correspond in construction in all details with that shown in Fig. —3—.

In Fig. —5— I have shown another modified form of construction in which a single strap 22 is provided through which the gun barrel 23 passes, the diametrically opposite portions of said strap 22, engaging opposite sides of the gun barrel, being the equivalent of the opposed jaws 1. At the ends of said strap 22 are projections or ears 24 through which the bolt 25 passes; the latter carrying a nut 26 corresponding in construction with the nut 7, shown in Fig. —3—, said strap 22 being contracted by drawing the ears or projections 24 toward each other. The gun sling-engaging member 27 is engaged with the bolt 25 by means of a swiveled connecting member or link 28 through which the shank of the bolt 25 passes and which is at its other end pivotally engaged with said loop 27. The latter is of well-known construction and requires no particular description.

In Figs. 6 and 7, I have shown another modified form of construction in which two opposed members are employed, each of the latter having a concavo-convex portion 30 constituting a jaw for engaging the gun barrel and terminating in an angular ear or projection 31. The said ears or projections of both said members are opposed and through the same there passes a bolt or set screw 32 carrying a knurled or thumb nut 33 between which and the head of said bolt said ears or projections 31 are disposed. The openings in said ears or projections through which the shank of said bolt passes are of greater diameter than the latter so that said ears may swing thereon on axes lateral to the axis of said bolt. Disposed between the said ears or projections 31 and pivotally mounted on said bolt is a bifurcated cam member 34 having divergent outer faces adapted to engage the inner faces of said ears or projections and adapted, when turned on its pivot by means of the lever 35 integral therewith, to force those portions of the ears or projections 31 lying below the horizontal plane of the axis of the bolt 32 to separate and thereby cause the jaw portions 30 to move toward each other and into engagement with the gun barrel. The gun sling attaching loop 36 has a shank passing into the bifurcated portion or slot in the said cam 34 and is pivotally mounted upon the shank of the bolt 32. The outermost portion of said member 36 projects farther from the axis of said bolt than said lever 35 and is adapted to be used as a lever for imparting movement to

said cam 34 by engagement with the lever 35 whereby a greater purchase is obtained upon the latter.

The construction illustrated in Figs. —1—, —3—, —4— and —8— show the preferred embodiments of the invention, being simple, durable and efficient.

I claim as my invention:

1. A strap or sling attaching appliance for guns, comprising a clamp having opposed jaw members between the jaws of which the gun-barrel is adapted to be received and engaged; a pivotal connecting member extending relatively loosely through a perforation in each of the said jaw members, the said relatively loose interfitting permitting a lateral movement of the jaws for adjusting the same to the taper of the gun-barrel; and manually operable means interengaging the said jaw members for imparting relative movement thereto to effect a clamping of the gun-barrel between the jaws thereof.

2. A strap or sling attaching appliance for guns, comprising a clamp having opposed jaw members between the jaws of which the gun-barrel is adapted to be received and engaged; a pivotal connecting member extending relatively loosely through a perforation in each of the said jaw members, the said relatively loose interfitting permitting a lateral movement of the jaws for adjusting the same to the taper of the gun-barrel; a bolt engaging said jaw members for imparting relative movement thereto to effect a clamping of the gun-barrel between the said jaws; and a sleeve rotatably mounted upon the said bolt and adapted to have one end of the strap or sling attached thereto, the rotatable mounting of the said sleeve permitting the same to be moved by the strap or sling relative to the bolt without rotating the latter.

3. A device for attaching a strap or sling to a gun comprising a clamp having opposed jaws between which the gun-barrel is adapted to be received and engaged, a pivotal connecting member for said jaws, opposed shanks for said jaws, a bolt engaging said shanks for imparting relative movement to said jaws toward each other, and a nut on said bolt having a polygonal end portion engaging in a polygonal opening in one of said shanks for preventing rotation relatively thereto as the bolt is rotated to engage the jaws with the gun barrel; the said bolt adapted to be secured to the said strap or sling.

4. A strap or sling attachment for guns comprising an adjustable clamp for engaging the gun barrel and to which one end of the sling is adapted to be secured, and a member adapted to engage the other end of the sling and to be secured to the end of the stock, said last-named member including a shank adapted to be driven laterally into the stock to bring its outer face flush with the surface of the stock.

5. A strap or sling attachment for guns comprising an adjustable clamp for engaging the gun barrel and to which one end of the sling is adapted to be secured, and a member adapted to engage the other end of the sling and to be secured to the end of the stock, said last-named member including a shank adapted to be inserted between the end of the stock and the shoulder plate and to be held in place by the latter.

6. A strap or sling attachment for guns comprising an adjustable clamp for engaging the gun barrel and to which one end of the sling is adapted to be secured, and a member adapted to engage the other end of the sling and to be secured to the end of the stock, said last-named member including a distorted shank adapted to be driven laterally into the stock to bring its outer face flush with stock surface, and adapted to be held in place by the latter.

In testimony whereof I have signed my name in presence of two subscribing witnesses.

ADOLPH WILCKE.

Witnesses:
R. W. Lotz,
M. M. Boyle.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."