May 12, 1942. J. R. RIGANDI 2,282,428

ATTACHMENT FOR FIREARMS

Filed Nov. 24, 1939 3 Sheets-Sheet 1

FIG. 1.

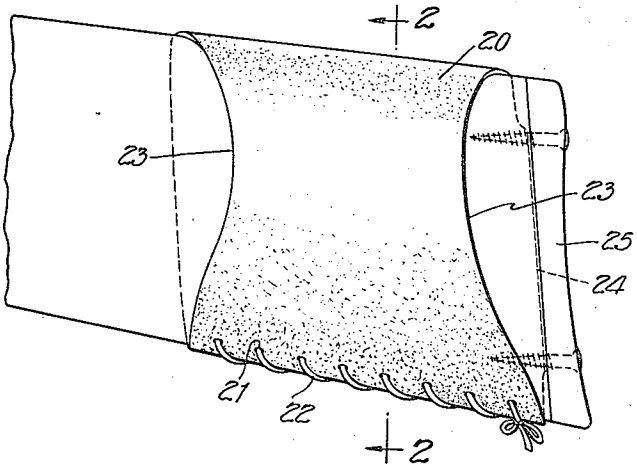


FIG. 2.

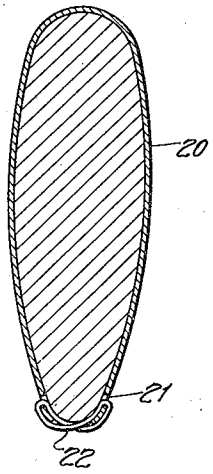


FIG. 3.

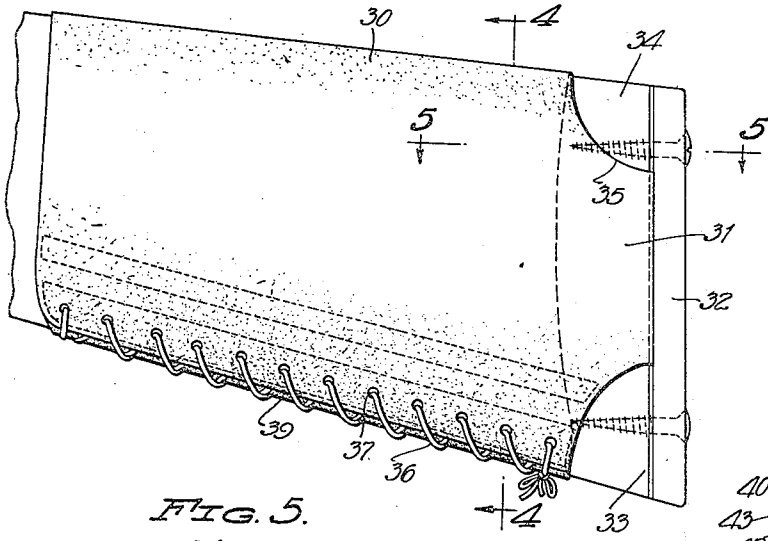


FIG. 4.

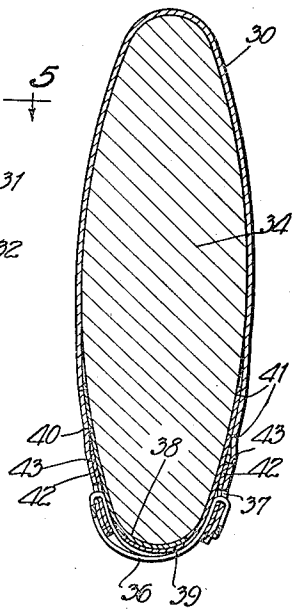
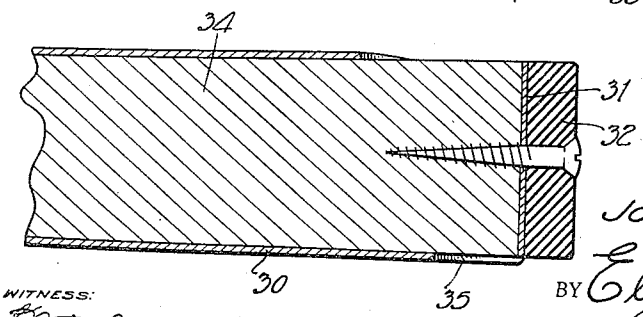


FIG. 5.



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FIG. 6.

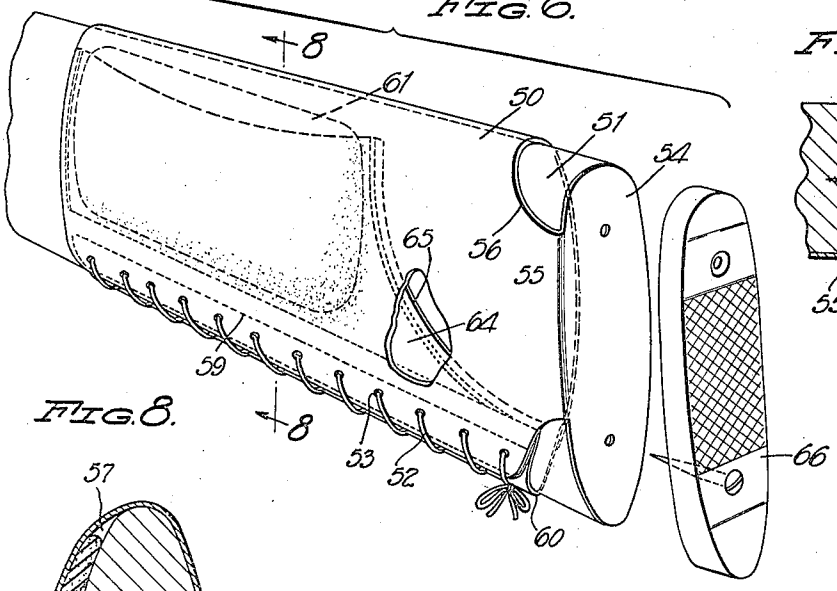


FIG. 7.

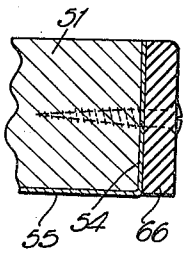


FIG. 8.

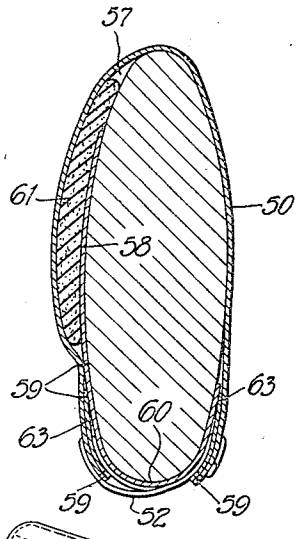


FIG. 9.

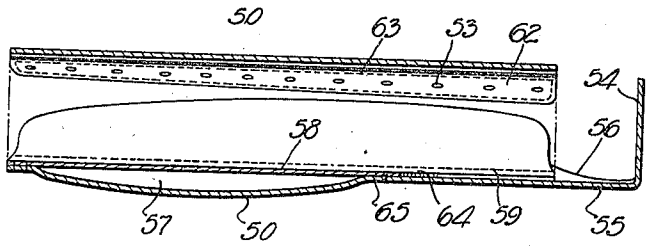


FIG. 10.

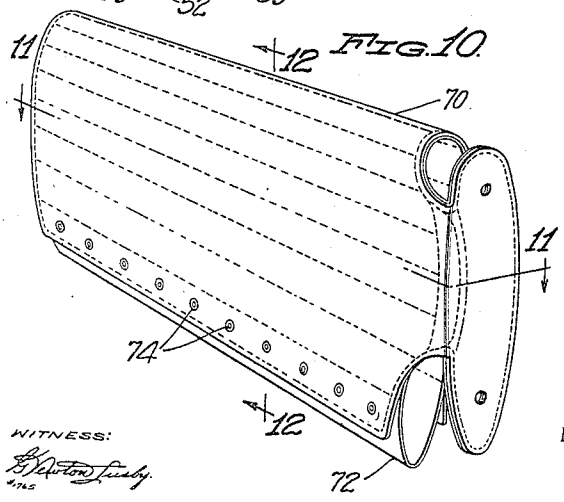
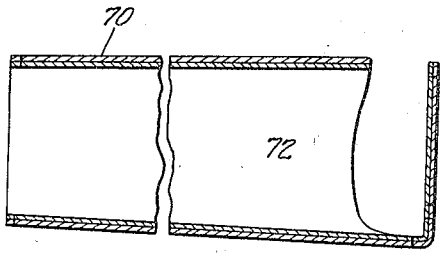


FIG. 11.



WITNESS:

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FIG. 12.

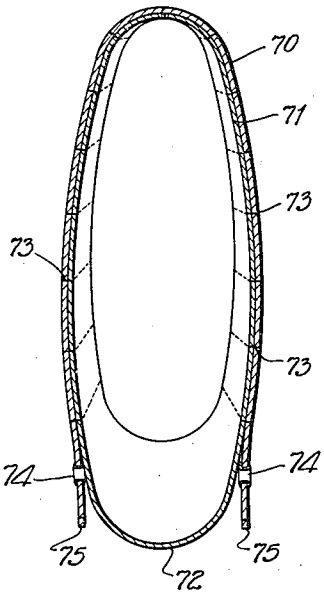


FIG. 13.

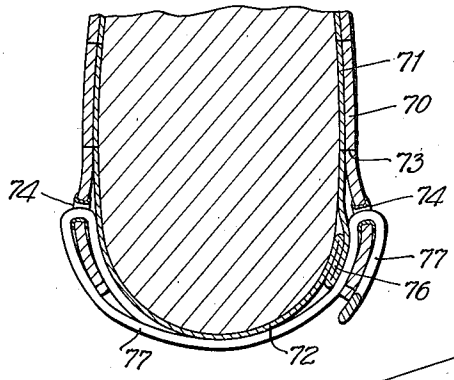


FIG. 14.

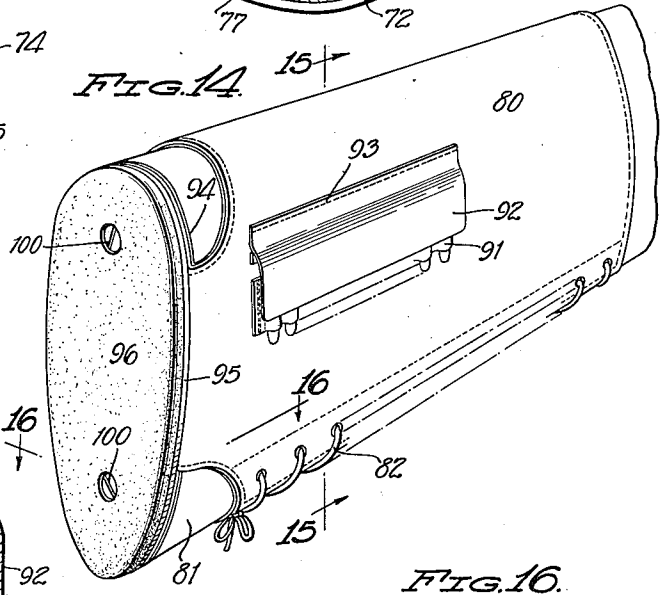


FIG. 15.

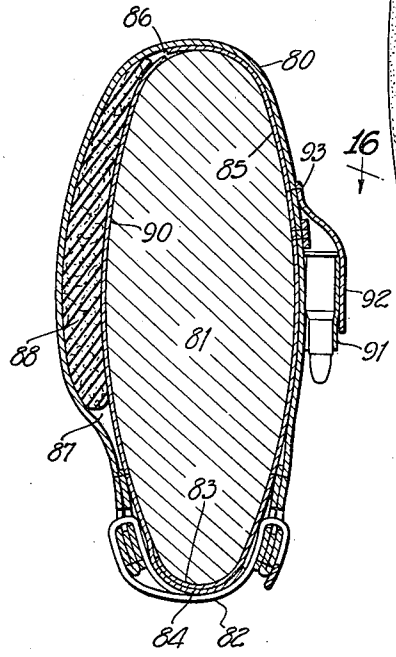
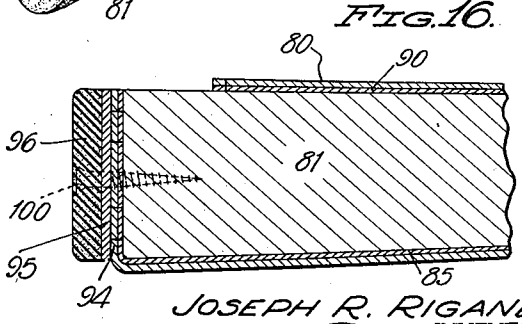


FIG. 16.



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WITNESS:

Patented May 12, 1942

2,282,428

UNITED STATES PATENT OFFICE

2,282,428

ATTACHMENT FOR FIREARMS

Joseph Ruig Rigandi, Westerleigh, N. Y.

Application November 24, 1939, Serial No. 305,846

16 Claims. (Cl. 42—74)

This invention relates to new and useful improvements in attachments for firearms and more particularly it pertains to a new and improved protector and cheek rest for use upon the stocks of shotguns, rifles and similar firearms.

This application is a continuation in part of my pending application, Serial No. 222,771 filed August 3, 1938 for Cheek rest for firearms, which has matured into Patent No. 2,188,691, dated Jan. 30, 1940.

It is one object of the present invention to provide a device of the aforementioned character which will be simple in construction and of low cost to manufacture.

It is another object of the invention to provide a device in which a cheek rest pad is so carried as to be readily removable with relation to a gun stock, thereby making it possible to remove the pad entirely or to provide for the interchanging of pads at wall.

Still a further object of the invention resides in a novel construction and arrangement of parts whereby a minimum securing means will be sufficient to secure the device in position upon the gun stock.

Still a further object of the invention resides in the employment of a novel construction whereby the device may be retained in position upon a gun stock by the use of the butt plate combined with a novel construction of stock embracing member.

Other objects of the invention will appear as the nature thereof is better understood and for this purpose, reference will be had to the accompanying drawings, in which,

Figure 1 is a view in elevation, illustrating a portion of a gun stock with a device constructed in accordance with the present invention in position thereon,

Figure 2 is a transverse sectional view thereof, taken substantially on the line 2—2 of Figure 1,

Figure 3 is a view similar to Figure 1 on an enlarged scale, illustrating a modified form of the invention,

Figure 4 is a transverse sectional view taken substantially on the line 4—4 of Figure 3,

Figure 5 is a detail longitudinal sectional view taken substantially on the line 5—5 of Figure 3,

Figure 6 is a distended perspective view illustrating a still further modified form of the invention,

Figure 7 is a fragmentary detail sectional view taken in a plane extending longitudinally of the gun stock of that modification illustrated in Figure 6,

Figure 8 is a transverse sectional view taken substantially on the line 8—8 of Figure 6,

Figure 9 is a longitudinal sectional view of the device as illustrated in Figure 6, the device being removed from the gun stock,

Figure 10 is a perspective view of a still further modified form of the invention,

Figure 11 is a fragmentary longitudinal sectional view taken substantially on the line 11—11 of Figure 10,

Figure 12 is a transverse sectional view taken substantially on the line 12—12 of Figure 10,

Figure 13 is a fragmentary sectional view on an enlarged scale illustrating the manner in which the modified form illustrated in Figures 10 through 13 is laced upon the gun stock,

Figure 14 is a fragmentary perspective view illustrating a still further modified form of the invention,

Figure 15 is a transverse sectional view on an enlarged scale, taken substantially on the line 15—15 of Figure 14, and;

Figure 16 is a detail fragmentary sectional view taken substantially on the line 16—16 of Figure 14.

In that form of the invention illustrated in Figures 1 and 2 the device comprises a sleeve-like member 20 which is adapted to embrace a gun stock at a point closely adjacent the free, or rear end thereof. The body portion of this invention may be made of leather or any other suitable material and it is cut to provide an opening which extends longitudinally through that portion thereof which forms the under edge thereof when it is in position upon a gun stock. The sleeve-like member is provided with a plurality of lacing openings 21 extending along the edges of the longitudinal opening for the reception of a lacing 22 by which the sleeve-like member may be secured tightly around the gun stock.

The sleeve-like member is tapered longitudinally and its forward and rear edges upon the inside face of the gun stock, are cut away as designated by the reference character 23. Means is provided to prevent movement of the sleeve-like member along the gun stock and this means comprises a wing extension 24 which extends from the outside face of the device and is adapted to lie between the free end of the gun stock and the butt plate 25. This wing extension, when in position between the butt plate and the free end of the gun stock, prevents movement of the sleeve-like member 20 in a longitudinal direction forwardly of the gun stock while the lacing 22 serves to contract the body portion around the

gun stock to prevent its movement in a rearward direction longitudinally of the gun stock due to the tapering thereof.

In that form of the invention illustrated in Figures 3 to 5, the sleeve-like member is of substantially the same construction as that illustrated in the heretofore described form. However, in this form of the invention, a wing extension **31** extends from the inside face thereof, which wing extension terminates in a body portion which conforms in shape to the shape of the end of the gun stock and which is adapted to be positioned between the butt plate **32** and the free or rear end **33** of the gun stock **34**. This wing extension is of reduced size intermediate of its ends and this reduced size is obtained by cutting away the body portion of the sleeve-like member as at **35** to form a neck-like portion.

In this form of the invention a lacing **36** extends through eyelets **37** serving to contract the sleeve-like member **30** around the gun stock **34**, while the wing extension **31** when clamped between the butt plate **32** and the adjacent end of the gun stock, prevents forward movement of the sleeve-like member upon the gun stock.

In the form of the invention illustrated in Figures 3 to 5, I provide means for protecting the gun stock **34** from the lacing **36** and this means comprises two overlapping flaps **38** and **39**. The flap **38** is secured to the inner face of the sleeve-like member **30** along one edge of the longitudinal opening thereof by a line of stitching **40** while the flap **39** is secured to the inner face of the sleeve-like member **30** upon the opposite side of said opening by stitching **41** and reenforcing strips **42** for the lacing eyelets **37** are secured to the inner face of the sleeve-like member by stitching **43**.

In that form of the invention illustrated in Figures 6 to 9 of the drawings, the device comprises a sleeve-like body member **50** which is secured to a gun stock **51** by means of a lacing **52** which passes through lacing eyelets in a manner similar to that heretofore described. This sleeve-like member **50** is provided upon its rear end with a wing extension **54** which is connected to the sleeve-like member **50** by a neck portion **55** formed by cutting away the sleeve-like member as at **56**. The sleeve-like member **50** is provided with an internal pocket **57** which is formed by a wall member **58** secured by stitching **59** to the inner face thereof. This wall member **58** is also extended around the side edges **59** of the open portion of the sleeve-like member which is closed by the lacing **52** as at **60** and this extension forms a flap or closure for the longitudinal opening of the sleeve-like member, as well as a protection to the lower edge of the gun stock to prevent abrasion thereof by the lacing **52**. The reference numeral **61** designates a cheek pad which is removably mounted in the pocket **57** merely by folding downwardly the upper edge of the wall member **58** when the sleeve-like member is not in position upon the gun stock and placing or removing the pad **61** with respect to the pocket **57**.

In this form of the invention, reenforcing strips **62** extend along the side edges of the longitudinal opening of the sleeve-like member **50** and are secured thereto by stitching **63** as best illustrated in Figure 9. The wall member **58** has an extension **64** which in turn has a curved edge **65** and this extension projects along an inner face of the sleeve-like member **50** as illustrated in dotted lines in Figure 6. The wing extension **54** heretofore mentioned is adapted to be clamped between the butt plate **66** and the adjacent end of the gun stock **51** as illustrated in Figure 7 to secure the sleeve-like member **50** against forward movement along a gun stock when it is in position thereon.

In Figures 10 to 13 I have illustrated a slightly modified form of the invention as illustrated in Figures 6 through 9. This form of the invention differs from the form illustrated in Figures 6 through 9 particularly in the closure of the open side of the sleeve-like member.

Referring to Figures 10 to 13 inclusive, the device comprises a sleeve-like member **70** of substantially the same construction as the sleeve-like member **50** except that there is no pad employed. The sleeve like member **70** has a lining **71** which lining is continuous and has a looped portion **72**. This lining is secured to the sleeve-like member **70** by a plurality of longitudinally extending rows of stitching **73** and the looped portion **72** is free or disconnected with respect to the sleeve-like member **70**. Lacing eyelets **74** are provided along the free edges **75** of the longitudinal opening of the sleeve-like member for the reception of lacings **77**.

This form of the invention is primarily to provide for use of the device upon gun stocks of various sizes and this is accomplished by reason of the fact that the looped portion **72** may be folded upon itself as indicated by the reference character **76** when the sleeve-like member is placed upon the gun stock and thus a device is provided in which the sleeve-like member may be employed upon gun stocks of various sizes.

In Figures 14 through 16 I have illustrated a still further modified form of the invention. In this form, the invention comprises a sleeve-like member **80** which is contracted about the gun stock **81** by means of lacing or the like **82** which extends around the lower edge of the gun stock as illustrated in Figure 15. Protecting the lower edge of the gun stock from the lacing there are two flaps **83** and **84** which overlie each other and which are preferably continuations of a lining member **85**. The lining member **85** is cut longitudinally as at **86** to permit access to a pocket **87** in which may be positioned a cheek rest pad **88**. It is to be understood that the cheek rest pad **88** is positioned in the pocket **87** when the device is removed from the gun stock merely by bending or folding inwardly that portion of the lining which is designated **90** in the drawings.

In this form of the invention I have also provided upon the outer face of the sleeve-like member **80**, a cartridge carrying device **91** which is covered by a suitable flap **92** secured to the sleeve-like member by a row of stitching **93**.

This form of the invention differs from each of the prior forms described in that the conventional butt plate is not employed. The sleeve-like member **80** is provided with a wing extension **94** which is adapted to fold around the end of the gun stock **81** as illustrated in Figure 16. Carried by this wing extension **94** there is a relatively thin semi-rigid member **95** which is secured to the wall extension **94** in any desired manner. The semi-rigid member **95** carries a resilient or cushion member **96** which is in turn secured thereto by a suitable adhesive or in any other desired manner.

In this form of the invention the two members **95** and **96** serve the functions of the butt plate in the heretofore described forms, but it differs in the fact that these members are carried di-

rectly by the sleeve-like member 80, instead of by a separate element as in said prior forms.

The device is secured to the gun stock by means of the lacing 82 heretofore described and one or more screws 100 which pass through the cushion 96, semi-rigid member 95 and the wing extension 94 of the sleeve-like member 80 as best illustrated in Figure 16.

From the foregoing it will be apparent that the present invention provides a new and improved protector for the gun stocks of firearms of the shoulder type and also provides various forms of devices which are of universal use in which a cheek pad may or may not be employed, as desired.

Having thus described the invention, what is claimed, is:

1. A cheek rest for the stocks of gun stocks comprising a sleeve-like member embracing a gun stock, a lacing for maintaining the sleeve-like member in position on a gun stock, and a single wing extension projecting from one side of the sleeve-like member for engagement between the end of a gun stock and the butt plate carried thereby to prevent movement of the sleeve-like member along the gun stock.

2. A device of the character described comprising a sleeve-like member having an opening extending longitudinally thereof, a closing flap secured to the sleeve-like member and extending along each side edge of the said opening, said closing flap adapted to fold upon itself when the device is upon a gun stock, a lacing for closing the opening in the sleeve-like member to contract the sleeve-like member around a gun stock, and a wing extension projecting from one side of the sleeve-like member and extending around the end of the gun stock to position between the end of the gun stock and the butt plate carried thereby to secure the sleeve against movement relative to the gun stock.

3. A cheek rest for the stocks of firearms comprising a gun stock embracing body portion, and means for securing the stock embracing body portion against movement relative to a gun stock, said means comprising a lacing for contracting the gun stock embracing body portion around a gun stock, a wing extension projecting from one side of the rear end of the stock embracing body portion, and means projecting from said wing extension for engagement between the free end of a gun stock and the butt plate carried thereby, said means conforming in shape to the shape of the free end of the gun stock and the butt plate.

4. A protector and cheek rest for the stocks of firearms comprising a gun stock embracing body portion, and means for securing the body portion against movement relative to a gun stock, said means including a lacing for contracting said body portion against a gun stock, overlying flaps projecting from the body portion and underlying said lacing, and means projecting from one side of the body portion and conforming in shape to the shape of the butt plate for engagement between the free end of a gun stock and its butt plate to prevent longitudinal movement of the device in a forward direction longitudinally of the gun stock.

5. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a lacing for contracting the sleeve-like member around a gun stock, a flap carried by the sleeve member at each side of said opening, each of said flaps being secured to the inner face of the sleeve-like member, said flaps being adapted to overlap to close the open side of the sleeve-like member when it is laced upon a gun stock, and a single means engageable between the free end of the gun stock and the butt plate carried thereby to prevent movement of the sleeve-like member longitudinally of the gun stock in a forward direction.

6. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a lacing for contracting the sleeve-like member around a gun stock, a lining for said sleeve-like member, a flap projecting from said lining and adapted to form a closure for the opening of the sleeve-like member when it is laced upon a gun stock, and a wing extension projecting from the sleeve-like member for engagement between the free end of the gun stock and the butt plate thereof to prevent movement of the sleeve-like member longitudinally of the gun stock in a forward direction.

7. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a wall member secured to one side of the sleeve-like member on the interior thereof, said wall member having a free upper edge to form a pocket for a cheek pad and a free lower edge to provide a flap for bridging the longitudinally extending opening of the sleeve-like member, a lacing for contracting the sleeve-like member around a gun stock, and means projecting from one end of the sleeve-like member for engagement between the free end of a gun stock and the butt plate carried thereby to prevent movement of the sleeve-like member longitudinally of the gun stock in a forward direction.

8. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a continuous sleeve-like lining for said sleeve-like member, said lining having a looped portion adapted to bridge and close the longitudinal opening of the sleeve-like member when it is placed upon a gun stock, a lacing for contracting the sleeve-like member around a gun stock, and means carried by the sleeve-like member for engagement between the free end of a gun stock and the butt plate thereof for securing the sleeve-like member against movement longitudinally of the gun stock in a forward direction.

9. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a continuous sleeve-like lining for said sleeve-like member, said lining having a looped portion adapted to fold upon itself and bridge and close the longitudinal opening of the sleeve-like member when it is placed upon a gun stock, a lacing for contracting the sleeve-like member around a gun stock and for closing said longitudinally extending opening, and means for preventing movement of the sleeve-like member longitudinally of a gun stock when it is in operative position thereon.

10. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a continuous sleeve-like lining for said sleeve-like member, said lining having a looped portion adapted to fold upon itself and bridge and close the longitudinal opening of the sleeve-like member when it is placed upon a gun stock, a lacing for

contracting the sleeve-like member around a gun stock and for closing said longitudinally extending opening, and means for preventing movement of the sleeve-like member longitudinally of a gun stock when it is in operative position thereon, said means including a wing extension projecting from the rear end of the sleeve-like member and terminating in a portion for engagement between the end of a gun stock and the butt plate carried thereby.

11. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a sleeve-like lining for the sleeve-like member, said lining extending across and closing the longitudinal opening of the sleeve-like member, a lacing for contracting the sleeve-like member about a gun stock, and means for preventing movement of the sleeve-like member longitudinally of the gun stock in a forward direction and for replacing the conventional gun stock butt plate, said means comprising a wing extension projecting from the rear end of the sleeve-like member and terminating in a body portion conforming to the shape of the rear end of the gun stock, a stiffening element carried by said body portion and conforming in shape thereto, a cushion element carried by the body portion and conforming in shape thereto, and means passing through the body portion, the stiffening element and said cushion for securing said body portion and its associated parts to the free rear end of the gun stock.

12. A protector and cheek rest for the stocks of firearms comprising a sleeve-like member having an opening extending longitudinally thereof, a lacing for contracting the sleeve-like member around the stock of a gun, a wing extension projecting from the rear end of the sleeve-like member and terminating in a body member conforming in shape to the rear end of a gun stock, a stiffening element carried by said body member and conforming in shape thereto, a cushion butt plate carried by said body member and conforming in shape thereto, a continuous sleeve-like lining for the sleeve-like member, said lining bridging and closing the longitudinal opening of the sleeve-like member and extending throughout the wing extension and the body member thereof, and means for securing the body member of the wing extension to the end face of the gun stock.

13. A protector and cartridge carrying device for attachment to firearms stocks, said protector including a sleeve-like member adapted to cover a gun stock and to be positioned thereon, a cartridge carrying device comprising a plurality of open looped pockets secured upon the outer face of the said sleeve-like member, and means for securing the end of the sleeve-like member against movement relatively to the gun stock.

14. A protector and cartridge carrying device for attachment to firearm stocks, said protector including a sleeve-like member adapted to cover a gun stock and to be positioned thereon, a cartridge carrying device comprising a plurality of elongated open looped pockets secured upon the outer face of the said sleeve-like member, and a flap secured and adapted to cover said cartridge carrying device.

15. A protector for attachment to firearm stocks including a butt plate comprising in combination, a sleeve-like member having an opening extending longitudinally thereof, a closing flap secured to each side edge of the longitudinal opening, said flaps adapted to overlap to close the longitudinal opening of the sleeve-like member, a plurality of elongated open pockets secured to the outer face of the sleeve-like member, and a wing extension conforming in shape to the shape of the butt plate projecting from one end of the sleeve-like member and adapted to be secured between the end of the gun stock and the butt plate.

16. A protector for attachment to firearm stocks including a butt plate, comprising in combination, a sleeve-like member having an opening extending longitudinally thereof, a lacing for contracting the sleeve-like member about a gun stock, a wing extension projecting from one end of the sleeve-like member and conforming in shape to the shape of the end of the gun stock, a recoil pad adhesively secured to the wing extension and conforming in shape thereto, and means passing through the recoil pad to secure the same and the wing extension to the rear of the gun stock.

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