United States Patent

[11] **3,540,508**

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[54] **PROTECTIVE COVER FOR FIREARMS**
10 Claims, 6 Drawing Figs.

[52] **U.S. Cl.** **150/52**
[51] **Int. Cl.** **F41c 27/00**
[50] **Field of Search** 150/52, 52.6

[56] **References Cited**

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ABSTRACT: A protective cover for a firearm having a stock and elongated barrel generally including an elongated tubular member consisting of a woven stretchable material for receiving the firearm therein, the tubular member having a closed end and an open end into which the firearm is inserted.

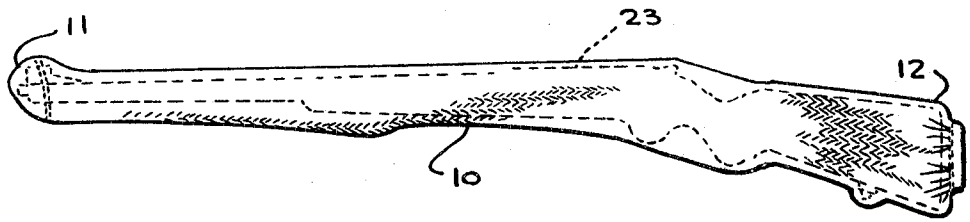


Fig-1

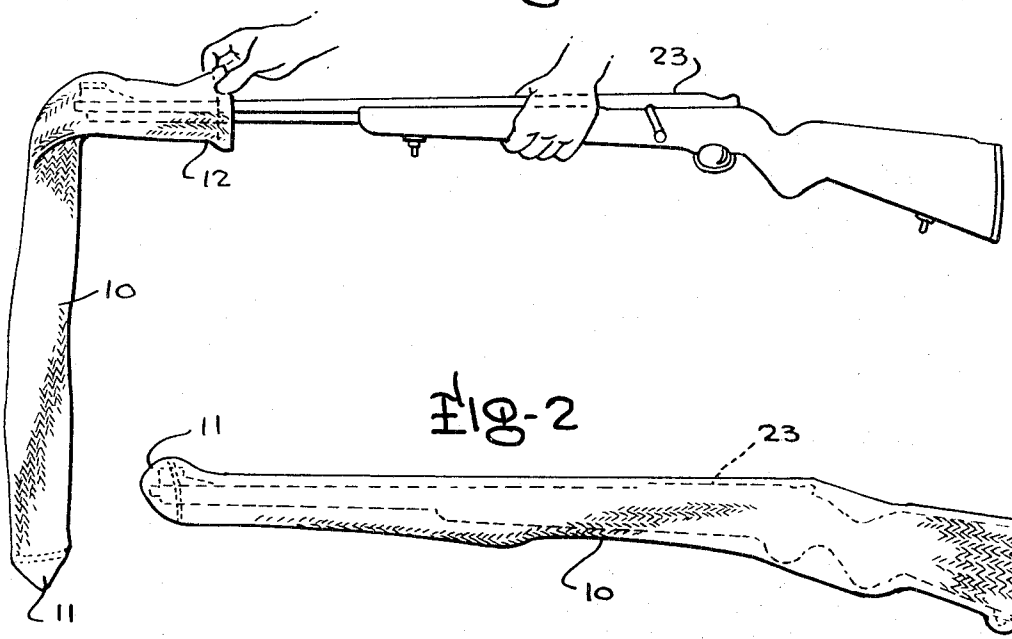


Fig-2

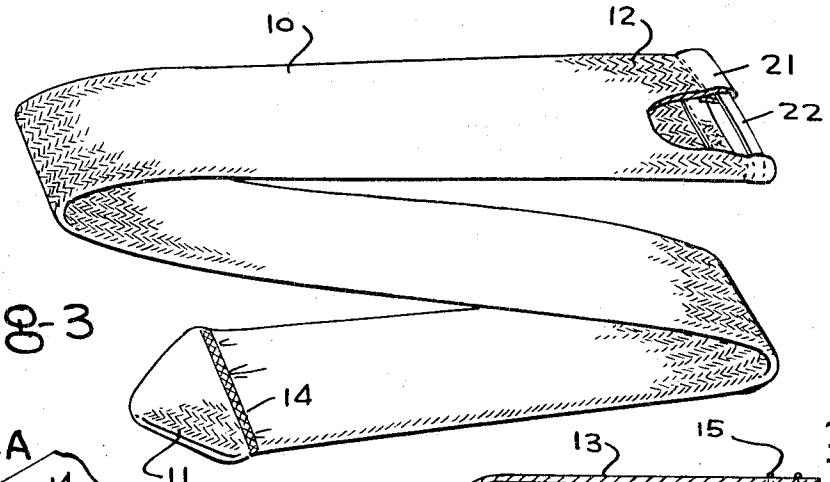


Fig-3

Fig-4A

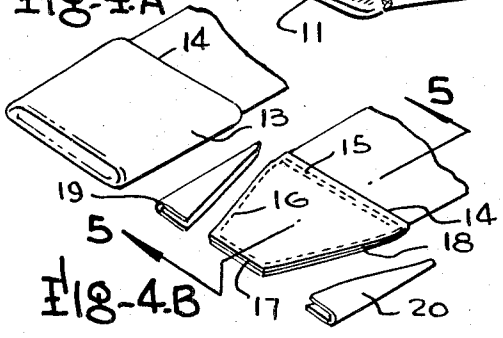
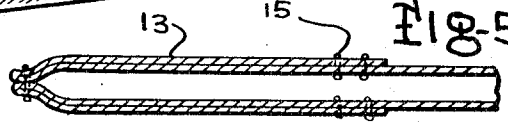


Fig-4B

Fig-5



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PROTECTIVE COVER FOR FIREARMS

This invention relates to a protective cover and more particularly to a protective cover for firearms including rifles, shotguns, and the like.

In the prior art, there are various types of covers for firearms which are intended to protect the firearms from exposure to the atmosphere. Most of such covers in the prior art, however, have been found to be unsatisfactory in that they are not readily adapted to be easily and quickly applied and removed, they do not effectively protect the firearm while permitting the firearm to be exposed to air, and are comparatively expensive. It thus has been found desirable to provide a cover for a firearm which is simple in construction, effective in performance, and inexpensive to manufacture.

Accordingly, it is the principal object of the present invention to provide a protective cover for a firearm.

Another object of the present invention is to provide a novel protective cover for a firearm having a barrel and a stock.

A further object of the present invention is to provide an improved cover member for a firearm which protects the firearm from exposure to moisture while permitting the firearm to have access to sufficient air.

A still further object of the present invention is to provide a novel protective cover for a firearm which is adapted to be readily applied to and removed from the firearm.

Another object of the present invention is to provide an improved protective cover for a firearm which is simple in construction, durable in service, and inexpensive to manufacture.

Other objects and advantages of the present invention will become more apparent to those persons skilled in the art to which the invention pertains, from the following description taken in conjunction with the accompanying drawings wherein:

FIG. 1 illustrates an embodiment of the invention being applied to a firearm;

FIG. 2 illustrates the embodiment installed on a firearm;

FIG. 3 illustrates an enlarged perspective view of the embodiment of the invention illustrated in FIGS. 1 and 2 and having a portion thereof broken away;

FIG. 4*a* illustrates the manner in which the closed end of the embodiment illustrated in FIGS. 1, 2 and 3 is formed;

FIG. 4*b* is similar to the view illustrated in FIG. 4*a* showing the closed end of the aforementioned embodiment after it has been stitched and portions of the end section have been cut away; and

FIG. 5 is an enlarged cross-sectional view taken along line 5–5 in FIG. 4*b*.

Briefly described, the present invention relates to a protective cover for a firearm having a stock and an elongated barrel generally including an elongated tubular member consisting of a woven stretchable material for receiving the firearm therein, the tubular member having a closed end and an open end into which the firearm is inserted. Additionally, the weave of the stretchable material is sufficient to permit entry of air to within the tubular member, the width of the tubular member is sufficiently small to permit the member to stretch and substantially form to the configuration of the firearm and the closed end of the tubular member is reinforced to prevent an end portion of the firearm from piercing the closed end of the tubular member. In the preferred embodiment of the invention, the closed end is formed with the end portion thereof being turned back onto the main body portion and the edge of the turned back portion being stitched peripherally to the main body portion, and the turned back portion being flattened and stitched together to provide a closed, double-ply end portion.

To protect the various components of the firearm from the deteriorative and corrosive effects of the ambient atmosphere, the yarns of the cover material are impregnated with a substance which is water repellant and resistant to oxidation such as a silicon solution. Such a solution also has lubricating properties and may be used to polish the metallic components of the firearm.

Referring to the drawings, there is illustrated an embodiment of the invention. The embodiment includes an elongated tubular member consisting of a woven stretchable material such as stretch nylon, having a closed end **11** and an open end **12**. The closed end **11** is formed by inverting the tubular member, turning back the end portion of the inverted tubular member onto the main body portion thereof and flattening the turned back portion as illustrated by reference numeral **13** in FIG. 4*a*. The turned back portion is then stitched to the main body portion adjacent the edge **14** thereof to form a base seam **15** securing the turned back portion to the main body portion of the tubular member. The flattened sides of the turned back portion and underlying main body portion of the tubular member are then stitched together to form a seam extending from one end of the base seam **15** toward the end of the inverted tubular member and inwardly as at **16**, across the front end of the inverted tubular member as at **17** and rearwardly and outwardly as at **18**, to the opposite end of the base seam **15**. Those portions **19** and **20** of the inverted tubular member lying outside of the seam sections **16** and **18** may be cut and removed to eliminate any bulky material in the end of the protective cover when the stitched inverted tubular member is again inverted to provide a double-ply, reinforced end portion **11** as illustrated in FIG. **3**.

The open end of the tubular member **10** is provided with a hem **21** in which there is inserted an elastic band **22** for drawing the periphery of the open end portion toward a closed position.

Prior to the knitting of the cover material, the yarn is impregnated with a silicon solution which imparts water repellent and oxidation resistant properties to the material. A silicon fluid such as Dow Corning 200 Fluid, in the range of up to 5 percent, in a solution containing a suitable solvent would be sufficient as an impregnating agent.

In applying the protective cover to a rifle **23**, the rifle is held by one hand while the other is used to slip the cover over the barrel of the rifle. The cover is pulled over the entire length of the rifle until the end of the barrel engages the closed end portion **11** and the seam **21** containing the elastic band **22** slips down over the end of the stock as illustrated in FIG. **2**.

The width of the tubular member is sufficiently small to permit the cover member to substantially conform to the configuration of the rifle **23** when it is placed on the rifle as illustrated in FIG. **2**. The woven construction of the stretch material permits access of the air to the rifle, yet prevents the entry of moisture and undesirable foreign matter to the interior of the cover member. It will be appreciated that the double-ply, reinforced end portion **11** of the tubular member prevents the end portion of the rifle barrel from piercing the closed end of the tubular member. It further will be seen that the elastic band **22** provided in the open end of the tubular member draws the open end of the tubular member together to prevent the entry of moisture and other undesirable foreign materials into the interior of the tubular member through the open end **12**.

The protective cover as described is simple in construction and can be readily applied to and removed from any firearm having an elongated barrel and stock. The stretch material causes the cover to conform to the configuration of the firearm, thus providing a compact unit which can be easily carried or stored when not in use.

Having thus described an embodiment of my invention, I claim:

1. A protective cover for a firearm having a stock and an elongated barrel comprising an elongated tubular member consisting of a woven stretchable material impregnated with a water repellent substance, for receiving said firearm therein, said tubular member having a closed end and an open end into which said firearm is inserted.

2. A protective cover for a firearm having a stock and an elongated barrel comprising an elongated tubular member consisting of a woven stretchable material impregnated with a substance which is resistant to oxidation, for receiving said firearm therein, said tubular member having a closed end and an open end into which said firearm is inserted.

3. A protective cover for a firearm having a stock and an elongated barrel comprising an elongated tubular member consisting of a woven stretchable material impregnated with a substance which is water repellent oxidation resistant and a lubricant, for receiving said firearm therein, said tubular member having a closed end and an open end into which said firearm is inserted.

4. A protective cover for a firearm having a stock and an elongated barrel comprising an elongated tubular member consisting of a woven stretchable material impregnated with a silicon solution, for receiving said firearm therein, said tubular member having a closed end and an open end into which said firearm is inserted.

5. A protective cover for a firearm having a stock and an elongated barrel comprising an elongated tubular member consisting of a woven stretchable material for receiving said firearm therein, said tubular member having a closed end and an open end into which said firearm is inserted, and said closed end being formed with the end portion thereof turned back onto the main body portion thereof, the edge of the turned back portion being stitched peripherally to said main body portion, and the turned back portion being flattened and stitched together to form a closed, double-ply end portion.

6. A protective cover for a firearm having a stock and an elongated barrel according to claim 5, wherein the weave of the stretchable material is sufficient to permit entry of air into the interior of said tubular member.

7. A protective cover for a firearm having a stock and an elongated barrel according to claim 5, wherein the width of said tubular member is sufficiently small to permit said member to stretch and substantially conform to the configuration of said firearm.

8. A protective cover for a firearm having a stock and an elongated barrel according to claim 5, wherein said open end is provided with a peripheral hem containing an elastic band for drawing together the periphery of the open end of the tubular member when a firearm is disposed therein.

9. A protective cover for a firearm having a stock and an elongated barrel according to claim 5, wherein the weave of the stretchable material is sufficient to permit entry of air into the interior of the tubular member, the width of the tubular member is sufficiently small to permit the tubular member to stretch and substantially conform to the configuration of the firearm, and said open end is provided with a peripheral hem containing an elastic band for drawing together the periphery of the open end of the tubular member when a firearm is disposed therein.

10. A protective cover for a firearm having a stock and an elongated barrel according to claim 5, wherein the yarn of said material is impregnated with a water repellent substance.