

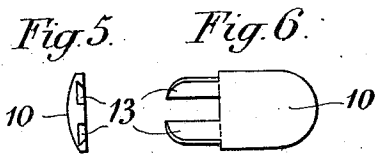
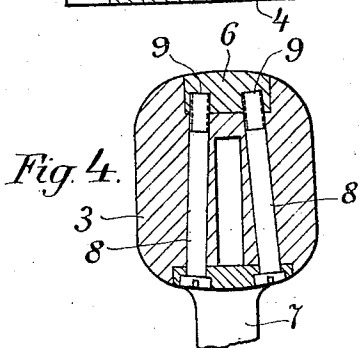
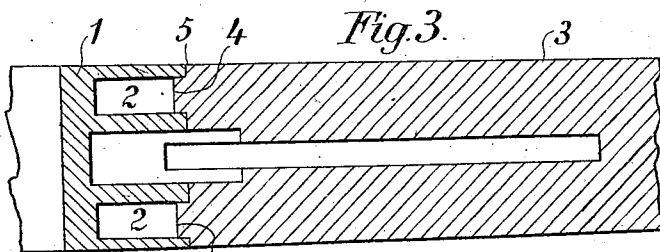
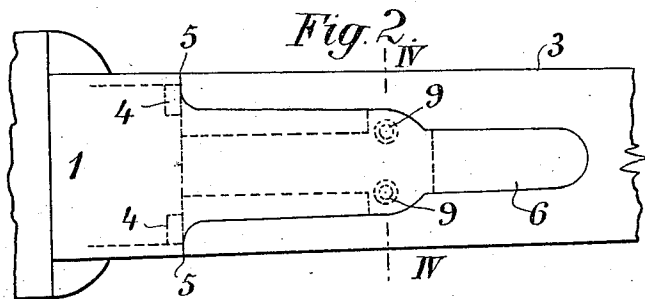
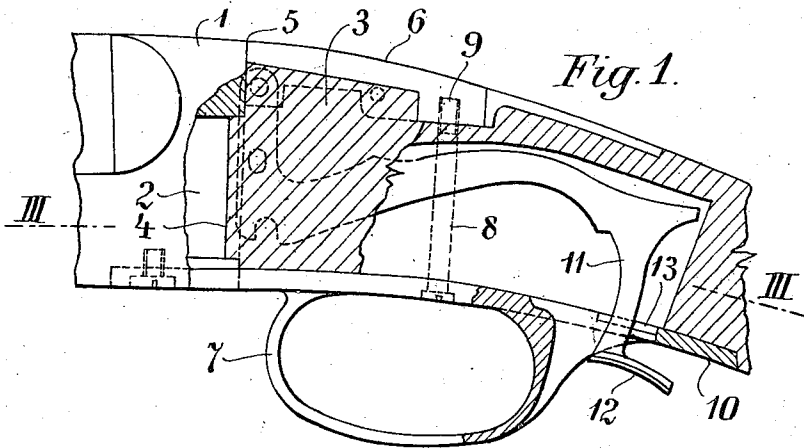
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R. VON FROMMER

SPORTING GUN

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UNITED STATES PATENT OFFICE.

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SPORTING GUN.

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This invention relates to a novel kind of construction of the butt of sporting guns and its connection with the stock and has for its object to prevent the side portions of the fork shaped butt from being pressed together or being divergently bent outwards and also to prevent the stock from performing an upward movement.

According to the invention this end is attained by providing projections on the front surface of the butt fitting into corresponding grooves formed in the stock of the weapon.

The invention also relates to a novel mode of assembling the stock and the trigger guard by means of screws going through the butt of the weapon. The assembling of these parts of the weapon has been carried out heretofore in such a manner that the head of the screws was protruding from the extension of the stock whereby the smoothness of the surface of such extension and its capability of being engraved was affected. Furthermore as it is very important for sporting guns to have a nice outlook these screws had to be so adjusted that the cuts for the screw-driver should lie parallel with the longitudinal direction of the weapon. According now to the present invention the extension of the stock and the trigger guard are interconnected by means of two screws starting from said trigger guard in such a manner that their heads are being hidden within said trigger guard whereby an adjustment of the heads of the screws may be dispensed with. The thread of the screws is being screwed into a bore in the extension of the stock provided with the mother thread advantageously in such a manner that the ends of the screws should not reach the surface of the extension of the stock.

With the fact in view that butts for sporting guns are requested to be light in weight and of a nice shape such butts are always endeavoured to be made of small dimensions. In order to enable thin and small dimensioned butts of this kind to be sufficiently resistant it is essential that the fibres of the wood should be disturbed by bores and cuts to the smallest extent possible so that it is desirable to omit every screw that can be spared. According now to the invention in cases where the trigger guard must be made of two pieces, in order to protect the solidity of the butt and to save screws the

parts of the trigger guard are interconnected by means of a swallow-tail connection or the like so that separate screws for this purpose may be omitted.

In the accompanying drawing one form of the sporting gun according to the invention is shown by way of example.

Fig. 1 is a longitudinal sectional view of the butt and the breech of the weapon, and Fig. 2 is a top view of the same.

Fig. 3 is a longitudinal sectional view taken on lines III—III of Fig. 1, and

Fig. 4 is a cross sectional view taken on lines IV—IV of Fig. 2.

Figs. 5 and 6 represent a front view and a top view respectively of the extension of the trigger guard.

The front surface of the stock 1 which is in touch with the butt 3 is provided with grooves 2 into which the projections 4 provided on the front surface of the butt 3 are engaging. The projections 4 are exactly fitting on the whole of their circumference into the grooves 2 thereby securing the wood of the butt against being pressed together or being divergently bent outwards. As a consequence of the projections 4 fitting at every point exactly into the grooves 2 the connection between the stock 1 and the butt 3 is extremely rigid, which is a very effective measure against the tendency of the stock to move upwards when firing. The assembling of the stock and the butt is performed in such a manner that the stock is turned on the butt past an arch whereby care must be taken of the extension 6 fitting into the groove of the butt and the projections 4 of the butt fitting into the grooves 2 of the breech, whereupon the trigger guard 7 is being mounted on the butt.

As may be seen from Fig. 1 the stock 1 and the trigger guard 7 are interconnected by means of screws 8, see also Fig. 4. The heads of these screws are sunk into the trigger guard, while the threads of the screws are penetrating into the bores 9 formed in the extension 6 and provided with the mother thread without the screws reaching the upper surface of the extension 6, whereby the latter remains unhurt and is capable of being engraved in whole.

The trigger guard 7 is completed at one end by the piece 10 which is made fork shaped and is provided with swallow-tail teeth 13 which may be pushed into corresponding notches in the trigger guard 7

thus interconnecting the piece 10 with the trigger guard 7 without the aid of screws. The fork-shape construction of piece 10 is necessary in consequence of the butt-construction according to the invention being employed in guns having a breech lever 11 fitting to the rear profile of the trigger guard so that said breech lever moves in the aperture of the trigger guard formed by the fork portion of piece 10. It is the application of this breech lever 11—which is provided with a pressing button 12—that makes it necessary for the trigger guard to be manufactured of two pieces because in the contrary case the breech lever could not be assembled into the trigger guard.

Claims:—

1. In a sporting gun, a fork shaped wooden butt, projections on the front surface thereof formed directly out of the wood of the butt and a breech having grooves on its rear surface, said projections fitting into said grooves.
2. In a sporting gun a butt having on its front surface projections, a stock having on its rear surface grooves fitting upon said projections and an extension fitting in a groove on the top side of the butt, a trigger guard, and screws interconnecting the trigger guard with said extension the heads of said screws being hidden in the trigger guard.

3. In a sporting gun a butt having on its front surface projections, a stock having on its rear surface grooves fitting upon said projections and an extension fitting in a groove on the top side of the butt, a trigger guard, and screws interconnecting the trigger guard with said extension the heads of said screws being hidden in the trigger guard and the threads being screwed in threaded recesses of the said extension without reaching the outside surface of the extension.

4. In a sporting gun a butt having on its front surface projections, a stock having on its rear surface grooves fitting upon said projections and an extension fitting in a groove on the top side of the butt, a trigger guard consisting of two parts connected together by teeth and notches.

5. In a sporting gun a butt having on its front surface projections, a stock having on its rear surface grooves fitting upon said projections and an extension fitting in a groove on the top side of the butt; a trigger guard having a front part and a rear extension the latter being connected with the front part by teeth on the extension fitting in corresponding notches of the front part.

In testimony whereof I have affixed my signature to this specification.

RUDOLF VON FROMMER.