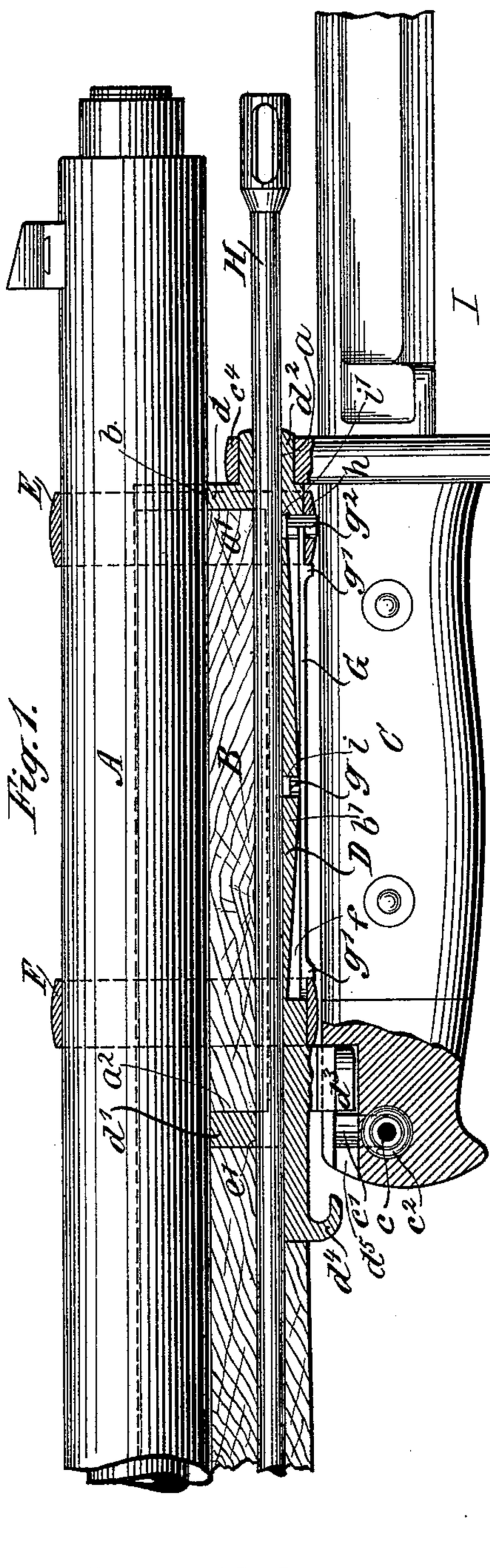
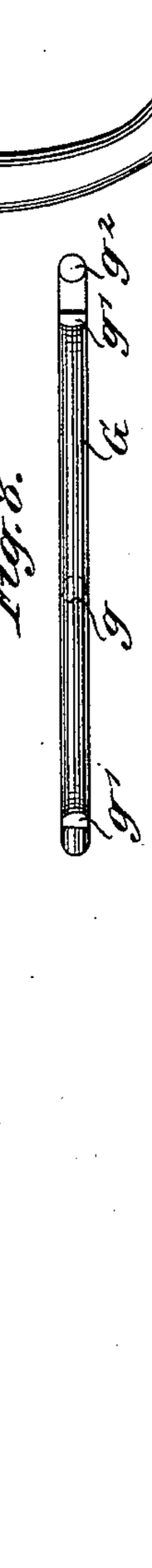
(No Model.) 2 Sheets—Sheet 1.

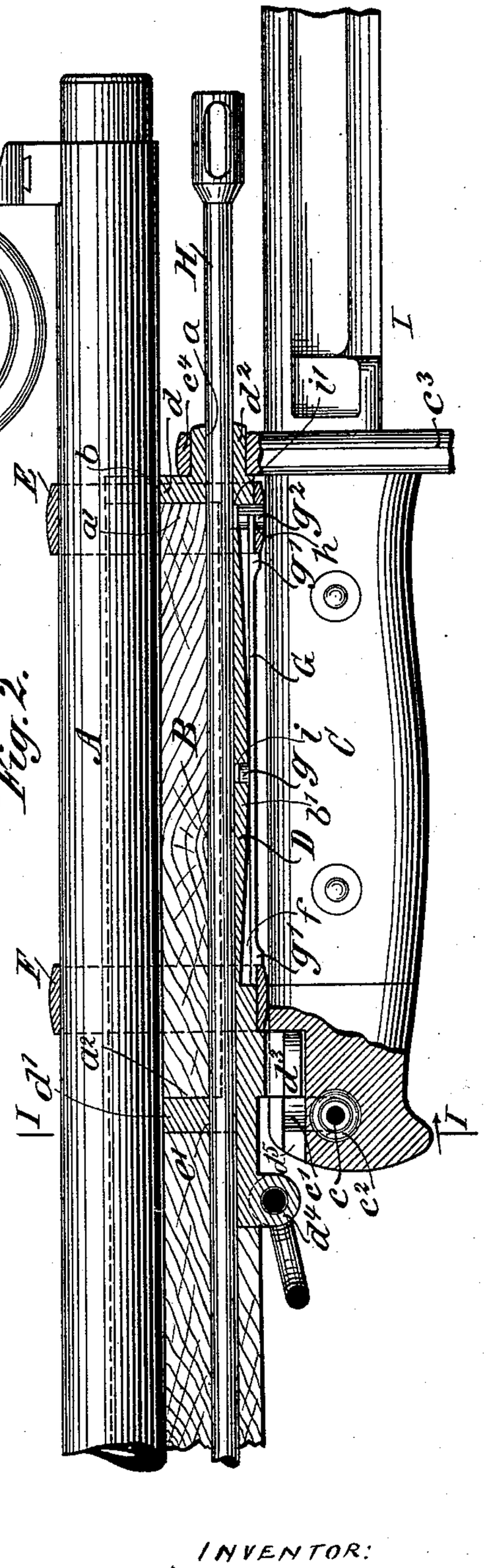
P. MAUSER.

MEANS FOR AFFIXING SIDE ARMS TO GUNS.

No. 572,266. Patented Dec. 1, 1896.







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(No Model.) 2 Sheets—Sheet 2.

P. MAUSER.

MEANS FOR AFFIXING SIDE ARMS TO GUNS.

No. 572,266. Patented Dec. 1, 1896.

Fig. 3.

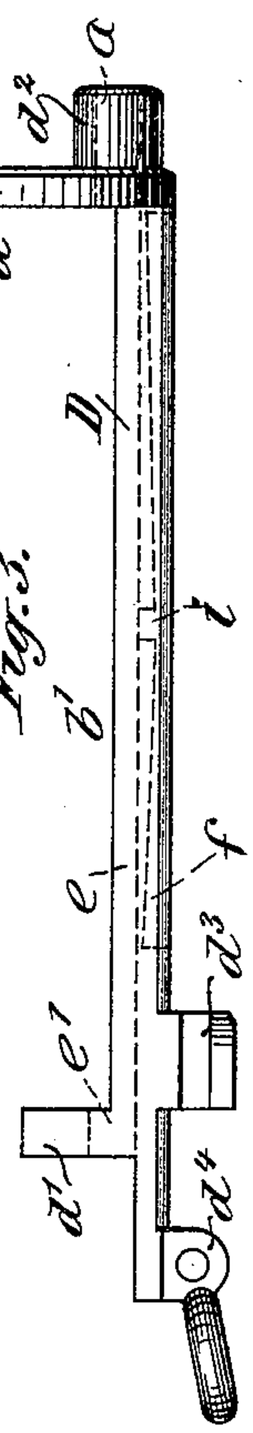


Fig. 4.

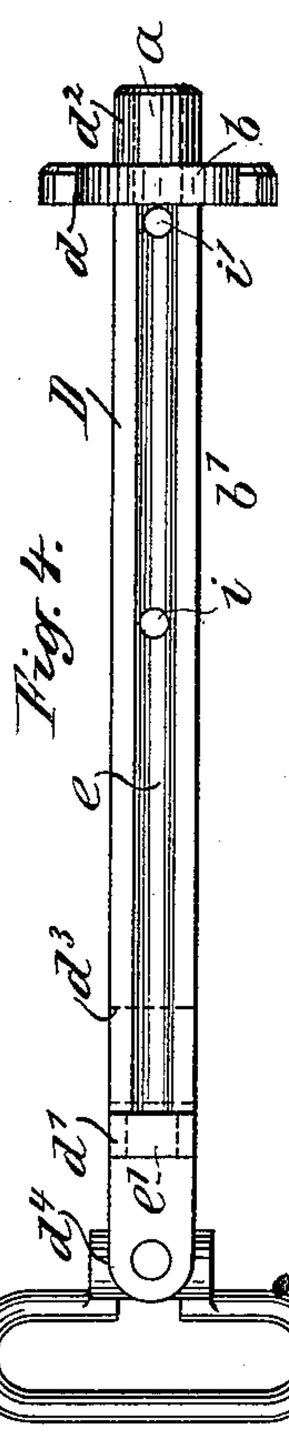


Fig. 6. (1-1)

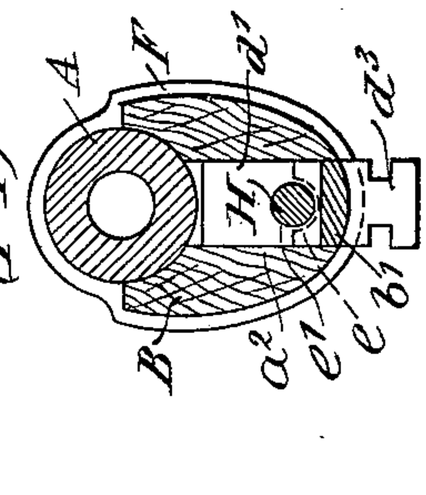


Fig. 4.

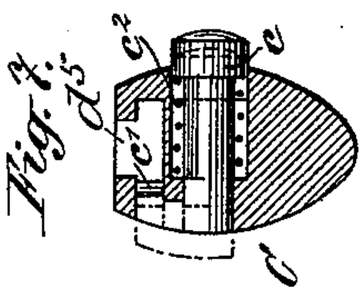
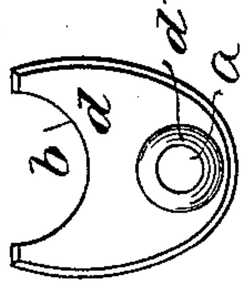


Fig. 5.



INVENTOR:
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WITNESSES:
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Thomas F. Wallace

UNITED STATES PATENT OFFICE.

PAUL MAUSER, OF OBERNDORF, GERMANY.

MEANS FOR AFFIXING SIDE-ARMS TO GUNS.

SPECIFICATION forming part of Letters Patent No. 572,266, dated December 1, 1896.

Application filed December 2, 1895. Serial No. 570,771. (No model.) Patented in Germany October 30, 1895, No. 86,365; in Belgium November 9, 1895, No. 118,488; in France November 11, 1895, No. 251,597; in England November 13, 1895, No. 21,546; in Sweden November 14, 1895, No. 6,795; in Norway November 20, 1895, No. 4,648; in Switzerland December 9, 1895, No. 11,331; in Italy December 31, 1895, XL, 134/426; in Austria January 12, 1896, No. 46/169, and in Spain March 14, 1896, No. 18,283.

To all whom it may concern:

Be it known that I, PAUL MAUSER, a subject of the King of Würtemberg, residing in Oberndorf-upon-the-Neckar, in the Kingdom of Würtemberg, Germany, have invented certain new and useful Improvements in Means for Fixing Side-Arms on Rifles Independently of the Barrel, of which the following is a specification.

This invention is patented in Spain, No. 18,283, dated March 14, 1896; in Belgium, No. 118,488, dated November 9, 1895; in Austria, No. 46/169, dated January 12, 1896; in Italy, No. XL, 134/426, dated December 31, 1895; in Switzerland, No. 11,331, dated December 9, 1895; in Norway, No. 4,648, dated November 20, 1895; in Sweden, No. 6,795, dated November 14, 1895; in Germany, No. 86,365, dated October 30, 1895; in England, No. 21,546, dated November 13, 1895, and in France, No. 251,597, dated November 11, 1895.

This invention relates to means for fixing side-arms on rifles and other arms, and aims to provide improvements in such means.

Heretofore it has been customary to connect side-arms to rifles by coupling the side-arm to the end of the barrel of the rifle. In such constructions it has been difficult to properly counteract the strains incident to the use of the side-arm and to properly dispose the latter.

The object of the present invention is to provide an arrangement for fixing side-arms, such as infantry sabers, bayonets, and the like, on rifles or guns, without any connection with the barrel and entirely independent of the same and without undue strain on the stock.

According to my invention I provide means for relieving the stock of excessive strain by inserting a metallic fitting into the front end of the stock, said fitting being of such a form as to transfer the strains, when thrusting or cutting, onto large surfaces, or to so proportion the leverage as to obviate the possibility of overstraining and thereby injuring the stock, and also certain features of structural improvement which will be hereinafter fully set forth.

My invention in its preferred form is illustrated in the accompanying drawings, in which—

Figure 1 shows my invention applied to a rifle the barrel of which is fitted with an outer protecting-tube. Fig. 2 shows my invention applied to a rifle the barrel of which is not provided with an outer protecting-tube. Figs. 3 and 4 show, respectively, a side view and a plan of the metallic fitting shown in Fig. 2. Fig. 5 is a front end view of the said fitting. Fig. 6 is a cross-section drawn on the line 1 1 of Fig. 2, looking in the direction of the arrow, the side-arm being omitted. Fig. 7 is a cross-section drawn through the hilt of the side-arm on the axis of its spring-actuated pressure bolt, pin, or catch and looking toward the blade. Fig. 8 is an under side plan view of the spring-fastener for fixing the bands.

Referring to the drawings, A is the gun-barrel; B, the stock; I, the side-arm; C, the hilt or handle thereof, and H the ramrod. These parts may be of any suitable construction, those shown being in general of well-known form.

According to my invention the side-arm is fixed on the metallic fitting inserted in or on the upper or outer end of the stock and constructed in such a manner as to receive all strains.

The fitting D in the construction shown in Figs. 3, 4, and 5 is provided at its front end with a flat plate d, which rests against the front end a' of the stock and, preferably, has a notch b, embracing or bearing against the barrel, and at its rear end with a flat stud or projection d', which fits into a hole a^2 in the stock and extends up to the barrel, so as to prevent the fitting D from moving longitudinally and at the same time support the front plate d, so as to transfer the strains onto the rear part of the stock. Between these parts it has a long rigid body b', resting against the under side of the stock, having a groove e on

top in line with the socket a, a socket e' through the stud d', and a long groove f and a locking projection d^3 on its under side.

The fitting D is fixed to the rifle or gun by means of the outermost band E and the middle band F, as will be seen in Figs. 1, 2, and 6, and is preferably removably so fixed, as by means of the spring-fastener G, the stud g of which enters a hole i at or near the center of the fitting D, while shoulders g' g' bear against the bands E F and maintain the latter in their correct position.

To prevent the upper or outermost band E from being pushed forward, the spring-fastener G has a stud g^2, which engages with a notch or hole h in the under side of the band E and works in a hole i' in the fitting. Thus all the parts mentioned—viz., the fitting D, the spring-fastener G, and the bands E F—are securely maintained in their proper position.

The fitting D is provided with a stud d^2 at its front end, preferably having a socket a for the ramrod H, and with a locking projection d^3 on its under side, near its rear end, or with other suitable holding provisions for the purpose of enabling the side-arm to be fixed thereto; and the side-arm is provided with reciprocal provisions, preferably having the eye c^4 in its guard c^3 and the recess d^5 in its hilt for receiving and engaging the stud d^2 and projection d^3 and holding the side-arm therefrom.

In fixing the side-arm in position on the fitting D the eye c^4 in the guard c^3 is passed over the stud d^2 and the locking projection d^3 is caused to enter the suitably-fitting space or recess d^5 in the rear end of the hilt of the side-arm, and it is then securely held in position by these means, all strains being transmitted through these interengaging parts.

For locking the side-arm in position I provide a catch, preferably a spring-catch c, extending transversely of the hilt, having a nose c' snapped behind the projection d^3 by a spring c^2.

In order to disconnect the side-arm from the rifle or gun, the pin c is pressed inward, so as to release its hole c' from the locking-projection d^3, when the side-arm can be drawn off from the fitting D.

In order to disconnect the fitting D from the rifle or gun, the cleaning-rod K is first removed from its housing, the spring-fastener G is then pressed at its front till the stud g^2 leaves the hole h in the band F, and thereby releases the latter, which is then drawn off the rifle. The spring-fastener G is then free and is removed from the fitting D, thereby releasing the middle band F, which is then removed from the rifle. The fitting D is then free to be removed from the stock. When remounting the parts, the reverse operations are followed.

It will be seen that my invention provides improvements which can be readily and advantageously availed of, and it will be understood that the invention is not limited to the particular details shown, but that it can be employed according to such modifications or adaptations as circumstances or the judgment of those skilled in the art may dictate without departing from the spirit of the invention.

What I claim is, in means for fixing side-arms and the like on rifles and the like, the following-defined novel features and combinations, substantially as hereinbefore specified, namely:

1. A fitting for holding side-arms to gun-stocks, consisting of a metal body D for embracing the under side of a gun-stock, having at its front end a stud d^2 for entering a socket in a side-arm, and having near its rear end a projection for locking such side-arm to it, two straps carried by said fitting for fastening it to the stock and barrel of a gun, and a spring G carried by said fitting and holding both said straps thereon.

2. For connecting side-arms to guns and the like, a fitting D, having a stud d^2 at front and a locking-projection d^3 at rear, a spring-socket f between its ends, straps E and F for fastening it to the stock of a gun, and a spring G holding said straps in place.

3. For fixing side-arms to guns and the like, a fitting D adapted to be fastened to the stock of a gun, and having a body b, a front plate d, a stud d^2 thereon, a stud d^3 near its rear, and a projection d' near its rear.

4. For fixing side-arms to guns and the like, a fitting D having front stud d^2 and rear stud d^3, and a side-arm I having an eye c^4 in its guard and a groove d^5 in its hilt, said eye fitting over said stud and said groove fitting over said projection, and means locking said side-arm on said fitting.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

PAUL MAUSER.

Witnesses:
W. HAUPT,
ALOYS GOBANZ.