C. A. NELSON.

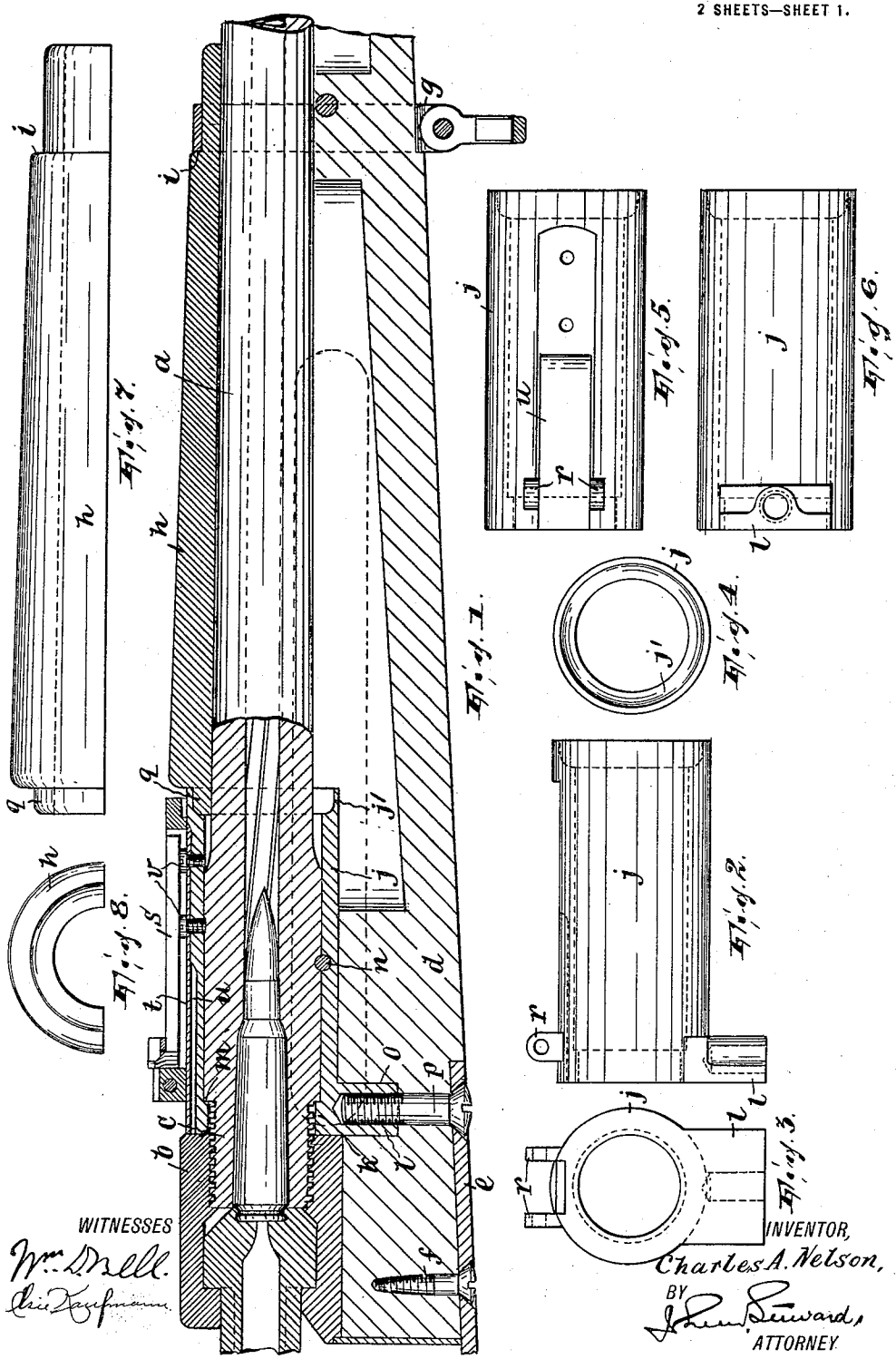
FIREARM.

APPLICATION FILED FEB. 17, 1915.

1,177,261.

Patented Mar. 28, 1916.

2 SHEETS—SHEET 1.



WITNESSES

Wm. Dell.

Chas. Kaufmann.

INVENTOR,

Charles A. Nelson,

BY

J. Lewis Seward,

ATTORNEY.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

C. A. NELSON.

FIREARM.

APPLICATION FILED FEB. 17, 1915.

1,177,261.

Patented Mar. 28, 1916.

2 SHEETS—SHEET 2.

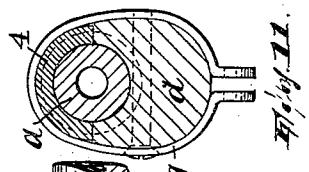


Fig. 11.

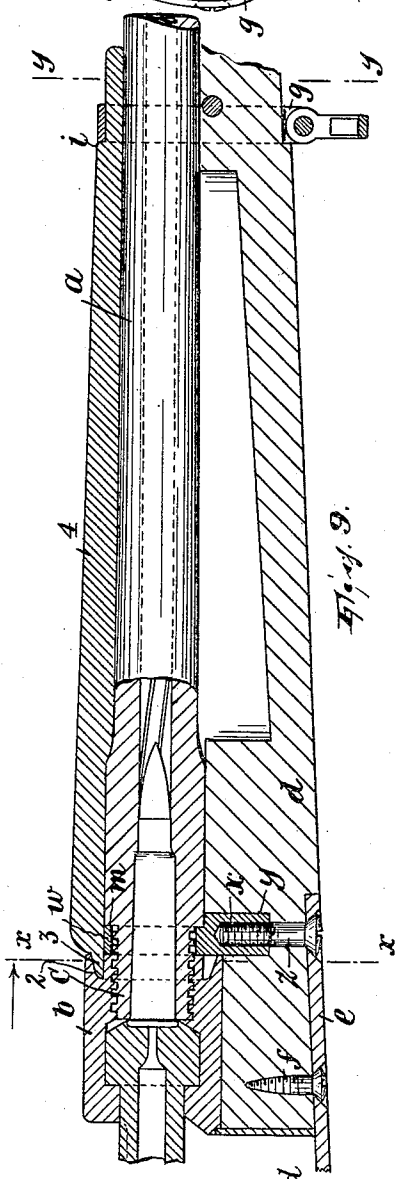


Fig. 9.

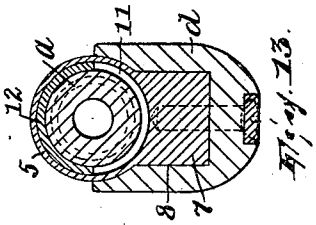


Fig. 13.

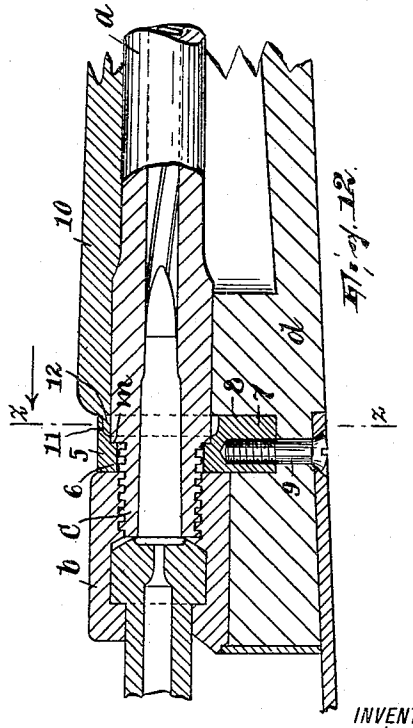


Fig. 12.

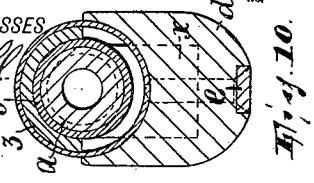


Fig. 10.

WITNESSES.

Wm. D. Bell.

Elsie Kaufmann.

INVENTOR,

Charles A. Nelson,

By Thurman Stewart,

ATTORNEY.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C

UNITED STATES PATENT OFFICE.

CHARLES A. NELSON, OF UTICA, NEW YORK, ASSIGNOR TO SAVAGE ARMS COMPANY, OF UTICA, NEW YORK, A CORPORATION OF NEW YORK.

FIREARM.

1,177,261. Specification of Letters Patent. Patented Mar. 28, 1916.

Application filed February 17, 1915. Serial No. 8,743.

To all whom it may concern:

Be it known that I, CHARLES A. NELSON, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Firearms, of which the following is a specification.

This invention relates to guns and particularly guns of the military type, and it consists, first, in a novel construction whereby a joint between the stock and the barrel-including structure of the arm is produced that is at once rigid, substantial and durable and well adapted to withstand such violent shocks as those incident to recoil on the firing of the arm; second, in a novel construction involving the mounting of the rear sight; third, in a novel construction involving the securing in place of a cover-piece for the barrel; and, finally, in certain combinations and arrangements of parts involved in such joint, the means for mounting the rear sight and the means for securing in place said cover-piece.

In the accompanying drawings, Figure 1 is a fragmentary view, mainly in longitudinal section, of so much of a gun as includes my improvements; Figs. 2, 3, 4, 5 and 6 are side, rear and front elevations, and a top plan and an underneath plan of the part hereinafter termed the abutment member; Figs. 7 and 8 are side and rear elevations of the cover-piece; Fig. 9 is a view similar to Fig. 1, but showing a modification of the invention; Figs. 10 and 11 are sectional views on the lines *x*—*x* and *y*—*y* of Fig. 9; Fig. 12 is a longitudinal sectional view of a fragment of the gun, showing another modification; and, Fig. 13 is a sectional view on the line *z*—*z* of Fig. 12.

Referring, first to Figs. 1 to 8, *a* is the barrel and *b* the forward portion of the receiver into which the threaded reduced rear end *c* of the barrel is screwed. *d* is the stock underlying the barrel and *e* the tang in part secured to the stock by the screw *f*. *g* is the middle band and *h* the cover-piece for the barrel, which latter is held in place at its forward end by projecting between the middle band and the barrel (being held against forward movement by having its shoulder *i* abutting the middle band) and at its rearward end in the manner to be explained. The abutment member in Figs. 1 to 8 is a sleeve *j* which at the forward end has an inside rabbet *j'* and at the rearward end an inside flange or shoulder *k* and also a depending broad lug or tenon *l*. It is slipped over the rear part of the barrel, which it snugly fits, before the barrel and receiver are joined or assembled, and after the parts are assembled its flange *k* is abutted on the one hand by the shoulder *m*, formed by the reduced threaded portion of the barrel, and on the other hand by the receiver, so that it is immovable longitudinally of the arm relatively to the structure including the barrel and receiver. It is retained from turning on the barrel by the pin *n*. In the stock is formed a mortise *o* into which the tenon *l* snugly fits. Upon the parts being assembled, the sleeve with the barrel and receiver in the manner described and the stock with the barrel, receiver and sleeve, a screw *p* is entered up through appropriate holes in the tang *e* and stock and into a tapped hole in the tenon *l*, thus retaining said parts together, its head having a substantial support on the tang *e*. The rear end of the cover-piece *h* is formed with a tongue *q* which snugly fits the rabbet *j'* in the forward end of the sleeve; thus the cover-piece, held at the forward end by the middle band, is held at the rearward end by the sleeve *j*. The sleeve serves as a mounting for the sight, having two upstanding lugs *r* in which the sighting member *s* is pivoted, its squared hinge end bearing against a plate spring *t* which at its rear end overhangs and may be bent into a longitudinl groove *u* (formed in the sleeve) when the member *s* is moved on its pivot and which at its forward end is secured to the sleeve by the screws *v*.

Referring now to Figs. 9, 10 and 11, the abutment member here is a band *w* which is held between the receiver *b* and the shoulder *m* of the barrel *a* the same as the flange *k* of the sleeve already described, and which has a depending broad lug or tenon *x* snugly fitting a mortise *y* formed in the stock *d*, *z* being a screw which is entered through the tang *e* and the stock and screwed into the tenon in identically the same manner as the screw *p* already described. In this form of the gun, the receiver has a groove 2 receiving the tongue 3 on the rear end of the cover-piece 4 for the barrel which, thus held in place at its rear end, is held at its forward end by the middle

band *g* as already described in connection with Figs. 1 to 8.

Referring, now, to Figs. 12 and 13 the abutment member includes a band 5 having an interior flange 6 which is fitted over the reduced threaded end *c* of the barrel and is held between the receiver on the one hand and the shoulder *m* on the other and has a broad depending tenon or lug 7 snugly fitting the mortise 8 formed in the stock, 9 being a screw which is entered through the tang *e* and the stock and screwed into the tenon identically the same as in Figs. 1 to 9. In this case, as in Figs. 1 to 9, the abutment member holds in place the rear end of the cover-piece 10, having an interior rabbet 11 at its forward side to receive the tongue 12 on the rear end of the cover-piece.

It is preferred, as herein shown, that the flange *k* of the sleeve, the band *w* or the band 5 be unconnected with the threading of the reduced threaded end *c* of the barrel so that the adjustment thereof rotatively around the barrel to the proper position may be entirely independent of the barrel and receiver in assembling them.

My construction has certain obvious features of advantage, affecting not only the forming of the parts and the assembling thereof but the use and life of the arm, important among which is the fact that the barrel-and-receiver including structure is in a simple manner rigidly and securely held to the stock, and that severe shocks, such as those incident to recoil and the like, are imposed on the stock in a way to discourage splintering or other injury thereto or the loosening of said structure with respect to the stock, *i. e.*, by the rear face of the lug or tenon of the abutment member abutting against a forwardly facing surface of the stock, in the present case being the rear side of the mortise *o*, *y* or 8.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In combination, with the barrel-including structure of a gun and a stock underlying said structure, an abutment member penetrated, and abutted by a rearwardly facing surface of, said structure and having a depending portion abutting against a forwardly facing surface of the stock.

2. In combination, with the barrel-including structure of a gun and a stock underlying said structure, an abutment member penetrated, and abutted by a rearwardly facing surface of said structure and having a depending tenon, the stock having a mortise receiving and snugly fitted by the tenon.

3. In combination, the barrel and receiver, one having a threaded portion screwed into the other, a stock underlying the barrel and receiver, and an abutment member penetrated by said threaded portion and clamped between the barrel and receiver and having a depending portion abutting against a forwardly facing surface of the stock.

4. In combination, with the barrel-including structure of a gun and a stock underlying said structure, an abutment member penetrated, and abutted by a rearwardly facing surface of, said structure and abutting a forwardly facing surface of the stock, and a screw extending through the stock into said member.

5. In combination, with the barrel-including structure of a gun, a stock underlying said structure and a tang underneath the stock, an abutment member penetrated, and abutted by a rearwardly facing surface of, said structure and abutting a forwardly facing surface of the stock, and a screw extending through the stock and tang into said member.

6. In combination, the barrel and receiver, one having a threaded portion screwed into the other, a stock underlying the barrel, and an abutment member penetrated by, and unconnected with the threading of, said threaded portion and clamped between the barrel and received and having a depending portion abutting against a forwardly facing surface of the stock.

7. In combination, the barrel and receiver, one having a threaded portion screwed into the other, a stock underlying the barrel, an abutment member penetrated by, and unconnected with the threading of, said threaded portion and clamped between the barrel and receiver and having a depending portion abutting against a forwardly facing surface of the stock, and a screw extending through the stock into said member.

8. In combination, the barrel and receiver, one having a threaded portion screwed into the other, a sight-supporting member having a part thereof penetrated by, and unconnected with the threading of, said threaded portion and clamped between the barrel and receiver, and a sight mounted on said member.

9. In combination, the barrel and receiver members, one having a threaded portion screwed into the other, a sleeve fitted over one of said members and having a part thereof penetrated by, and unconnected with the threading of, said threaded portion and clamped between said members, and a sight mounted on said sleeve.

10. In combination, the barrel and receiver, one having a threaded portion screwed into the other, a stock underlying the barrel, a cover-piece for the barrel,

means to hold in place the forward portion of the cover-piece, and a retaining member for the rearward portion of the cover-piece having a part thereof penetrated by, and unconnected with the threading of, said threaded portion and clamped between the barrel and receiver.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES A. NELSON.

Witnesses:
JOHN W. STEWARD.
WM. D. BELL.

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