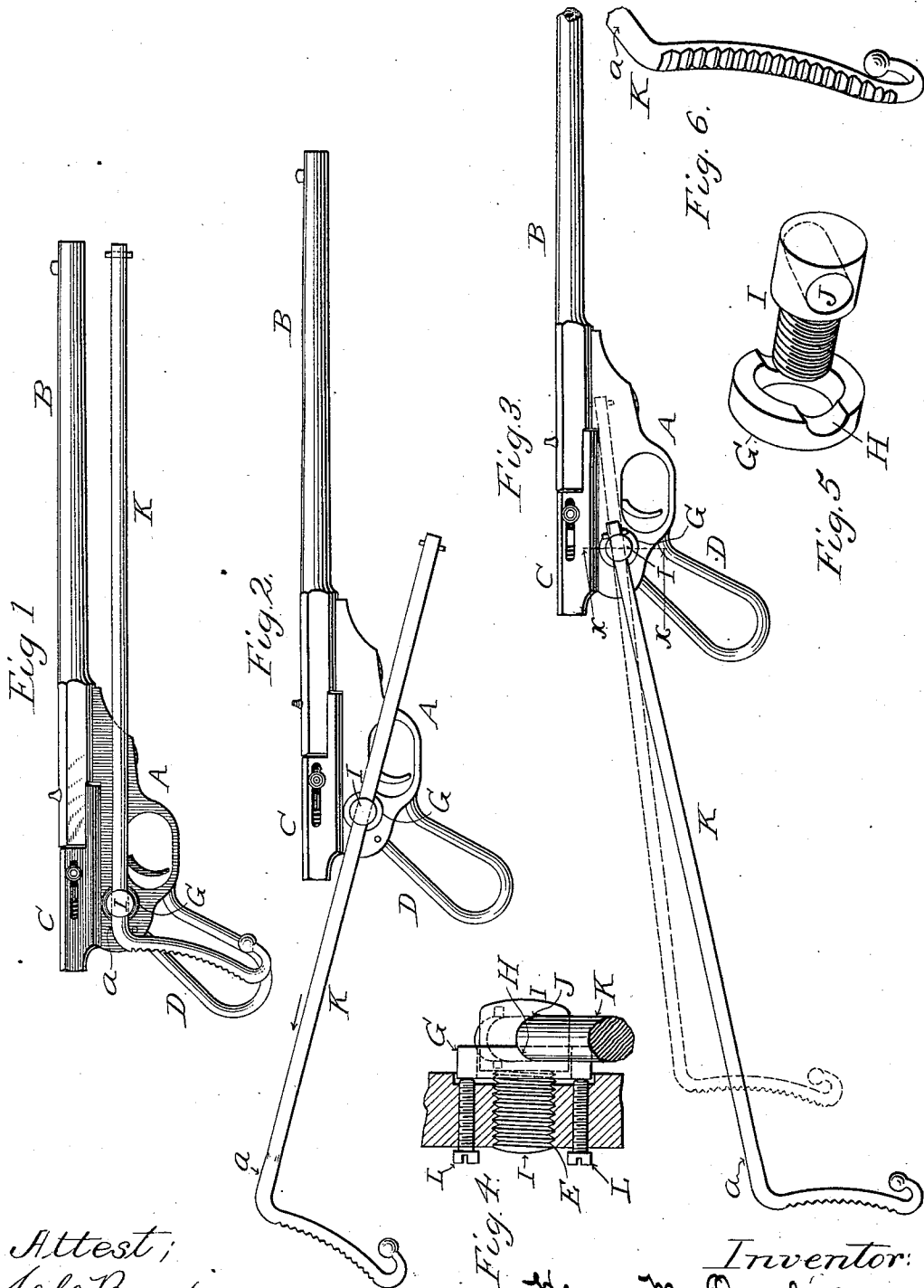


(No Model.)

H. M. QUACKENBUSH.  
ADJUSTABLE STOCK FOR FIREARMS.

No. 562,487.

Patented June 23, 1896.



Attest;  
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# UNITED STATES PATENT OFFICE.

HENRY M. QUACKENBUSH, OF HERKIMER, NEW YORK.

## ADJUSTABLE STOCK FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 562,487, dated June 23, 1896.

Application filed March 27, 1896. Serial No. 585,088. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY M. QUACKENBUSH, a citizen of the United States, residing at Herkimer, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in Firearms, of which the following is a specification.

My present invention relates to adjustable stocks for firearms, the construction and operation of which will be hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a side elevation of my improved arm, showing the adjustable stock in its closed position; Fig. 2, a similar view showing the position of the stock necessary to its rearward movement; Fig. 3, a like view wherein the stock is shown extended; Fig. 4, a sectional view on the line *xx*, Fig. 3; and Figs. 5 and 6, detail perspective views.

The object of my invention is to provide an adjustable stock for firearms of all classes, one that may be readily extended or closed and instantaneously secured at its adjusted position.

For the purpose of illustration I have shown the adjustable stock applied to a breech-loading gun somewhat similar to that set forth in Letters Patent granted to me on the 23d day of February, 1886, and numbered 336,586. It is to be distinctly understood, however, that I do not wish to limit myself to the application of the adjustable stock to this style of arm, as it may be applied to any other when so desired.

Referring to the drawings, A designates the frame or receiver; B, the barrel; C, the breech-block, and D the ordinary grip or handle secured to the frame.

Under the new construction the frame is provided with a transverse threaded opening E, said opening being preferably located near the rear end of the frame.

A circular seat or recess, concentric with the threaded opening, is formed in the side face of the frame, said recess receiving a washer or disk G. This washer is provided with semicircular seats H upon its outer face.

I indicates a bolt, which under the construction shown is provided with a left-hand screw-thread, said thread being of quick pitch. Extending transversely through the head of the

bolt is a circular opening J. Passing through this opening, and taking in the seats H H when the parts are assembled, is a rod K, said rod being bent downwardly at its rear end and forming the stock.

When the parts are in place, they occupy a close relation to one another, and a slight movement of the bolt will serve to draw and clamp the parts together or release them.

To provide for the exact and proper adjustment of the parts, I provide two screws L L, which pass through the frame, their ends bearing against the under face of the washer. By turning these screws in the washer may be adjusted nearer to the rod K, and consequently cause the bolt to bind the parts together with but a slight movement.

In Fig. 1 I have shown the stock in a closed position, in which position it is locked and will so remain under all ordinary circumstances. If it be desired to extend the stock, the rear end thereof is elevated, which causes the bolt to screw out of the frame and release the parts from their clamped position.

When unclamped, or in the position indicated in Fig. 2, the stock may be drawn back to the desired extent, when it is turned downwardly or in the position indicated in Fig. 3, which movement causes the bolt to screw into the frame and lock the parts together. The full lines in Fig. 3 show the stock extended to its fullest extent, while the dotted lines show the stock in an intermediate position. A small pin is passed through the forward end of the rod to prevent its withdrawal through the head of the bolt.

The rear end of the rod is formed with a slightly-enlarged portion or section *a*, which latter bears in the seats in the washer when the stock is closed, and consequently causes the parts to bind or lock more quickly than they ordinarily do. This causes the rod to occupy a position parallel, or near so, to the barrel when the stock is closed, and at the same time permits the necessary drop of the stock when it is extended, for the smaller diameter of the rod will not cause the bolt to act as quickly as does the enlarged section at the rear. It will thus be seen that the arm may be used without the stock, or that the stock may be employed and adjusted to any desired length.

The downwardly-extending arm of the stock is provided with notches or grooves which extend across the face thereof. When pressed against the shoulder, the ribs thus formed prevent the stock from slipping up or down, while permitting the gun to be moved freely in a horizontal line.

It is to be understood that I do not desire to limit myself to the exact formation of the stock as shown in the drawings, as it may be made angular in cross-section instead of cylindrical.

Having thus described my invention, I claim—

1. A stock for firearms adapted to be adjusted both vertically and longitudinally with relation to the frame; and means for securing it in its adjusted position at any point in its length without disconnecting said stock and frame.
2. An adjustable stock for firearms, in combination with a locking device therefor, adapted to unlock and lock said stock by the raising and lowering of the rear end thereof.
3. In combination with the frame of a firearm; a clamping device applied to said frame; and a stock connected with said clamping device, and serving as a lever whereby to tighten the clamping device, and hold the stock in its adjusted position.
4. In combination with the frame of a firearm; a rotary bolt mounted therein; a stock slidably connected to said bolt; and means for causing the bolt and stock to lock together.
5. In combination with the frame of a firearm, a rotary bolt mounted in said frame; and provided with a transverse opening through its head, a stock mounted in said opening;

and a washer or disk surrounding the bolt and bearing against the stock.

6. In combination with the frame of a firearm; a rotary bolt mounted therein and provided with a transverse opening through its head; a stock slidably mounted in said opening; a washer or disk surrounding the bolt and bearing against the stock on both sides of the bolts; and means for adjusting said washer toward and from the stock.

7. In combination with the frame of a firearm; a threaded bolt mounted therein and provided with a transverse opening through its head; a stock slidably mounted in said opening; a washer surrounding the bolt and provided with seats on its outer face in which the stock rests; and screws for adjusting said washer toward and from the stock.

8. In combination with the frame of a firearm; a locking device mounted therein; and a stock connected to said locking device and acting in conjunction therewith, said stock having an enlarged portion at or near its rear end, substantially as and for the purposes set forth.

9. In combination with a firearm; a stock; a clamping device for said stock adapted to be tightened by movement about its axis; and an adjustable bearing for the clamping device, whereby it may be caused to tighten in different angular positions.

In witness whereof I hereunto set my hand in the presence of two witnesses.

HENRY M. QUACKENBUSH.

Witnesses:

CHAS. H. BURRILL,  
JOHN KERSHAW.