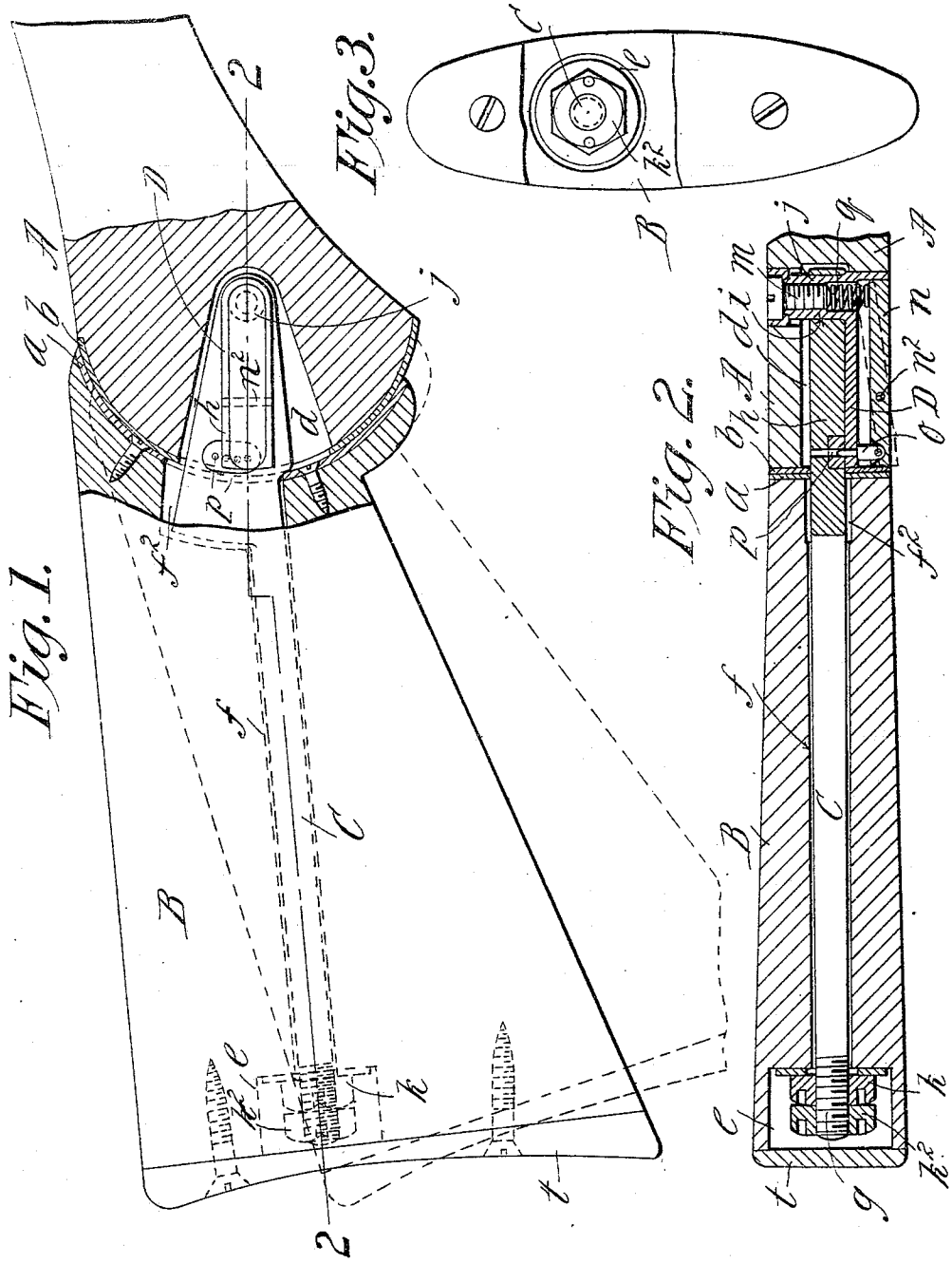
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P. H. CLARISEY.

GUN STOCK.

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PATRICK H. CLARISEY, OF DALTON, MASSACHUSETTS.

GUN-STOCK.

No. 855,229. Specification of Letters Patent. Patented May 28, 1907.

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To all whom it may concern:

Be it known that I, PATRICK H. CLARISEY, a citizen of the United States of America, and a resident of Dalton, in the county of Berkshire and State of Massachusetts, have invented certain new and useful Improvements in Gun-Stocks, of which the following is a full, clear, and exact description.

This invention relates to improvements in the stocks of guns of a kind which are adjustable whereby the butt section may have much or little drop relatively to the grip section and barrel or barrels carried thereby, as may best suit the habits, and accord with the desires of the sportsman or marksman.

The object of the invention is to provide improved arrangements, connections and locking devices of and for the separately formed and relatively movable butt and grip section, whereby the one section may be most easily adjusted in relation to the other, and without dismantling any of the parts reliably immovably held when adjusted. And other objects are attained in and by the organization of the parts, as will be hereinafter rendered apparent.

The invention consists in an adjustable gun stock comprising separately formed and relatively movable grip, and butt, sections, a bar engaged with, extending through and forwardly of, the butt-section, pivotally connected to the grip-section, and means mounted on one side of the grip section and operative to have detachable motion preventing engagement against the side portion of the said bar which is engaged with the butt section.

The invention furthermore consists in certain specific combinations or arrangement of parts and the construction or formations of certain of the parts all substantially as hereinafter fully described in conjunction with the accompanying drawings and as set forth in the claims.

In the drawings,—Figure 1 is substantially a side elevation of the adjustable gun stock,—contiguous portions of the butt and grip section being represented in central longitudinal vertical section. Fig. 2 is a horizontal longitudinal section as taken on the line 2—2, Fig. 1. Fig. 3 is a rear end view of the gun stock, a portion of the butt plate being broken away for clearer illustration.

In the drawings,—A represents the grip section and B the butt section of the adjustable gun stock, the same being separately formed to be relatively movable; and the rear end of the grip section is convex on the arc of a true circle, while the forward end of the butt section is rendered complemental thereto by being correspondingly concave.

The adjoined portions of the two sections A and B are provided with curved thin metal bushing plates.

The grip section B has within its rear portion a rearwardly divergent recess *d* opening to the rear end of such section, but sidewise inclosed. The butt section has a straight passage *f* substantially longitudinally therethrough, which is merged into a vertical and widened recess f^2 at its forward end. A round bar C, having its rear end portion *g* screw threaded, is fitted and extended through the passage or bore *f* in the butt section and it has a vertically widened, opposite flat sided, forwardly convergent forward portion *h*, parts of which are disposed within said widened butt section recess f^2 and the rearwardly opening grip section recess *d*. The screw threaded rear extremity of said bar C which mainly is cross sectionally round, is disposed within a countersink *e* in the rear end of the butt section and with which the said bore *f* communicates. The forward end of the sector shaped extremity *h* of the said bar is constructed with a horizontal transverse aperture *i*.

D represents a chambered block or casing fitted in one side of the grip section, and it has an integrally formed hollow trunnion *j* which extends through the aforementioned transverse aperture *i* in the forward end portion of the bar C, forming a pivot for the latter, and making a center of motion for the butt section relatively to the grip section, it being perceived that the said bar is rendered an appurtenance of the butt section through the medium of the nut *k* located in the countersink *e* and screw engaging the threaded rear end portion of the bar; and this nut also serves to tension the grip and butt sections at their contacting curved surfaces concentric with the said trunnion so that these parts may move relatively to each other with considerable, or comparatively slight, bind or friction, as may be elected.

m represents a screw which by its head has an engagement with the side portion of the grip section opposite that in which the aforementioned casing is set, and which screw by its shank has a screw thread engagement within and about half way through the hol-

low trunnion. n represents a lever intermediately pivoted at n^2 in said casing and having a catch stud o pivotally hung to one extremity, said stud extending through a perforation therefor in the base or inner wall of the lever carrying casing D and protruding into any desired one of a series of small sidewise opening sockets p, arranged in an arc line within the side portion of the bar C and at a suitable distance to the rear of the axis of the said trunnion.

A spiral spring q is disposed within the hollow trunnion, one end thereof being in abutment against the inner end of the screw m while the other end portion of the spring is in engagement with the inner surface of the member of the lever n which is opposite from the catch stud, said spring reacting outwardly against the contiguous lever extremity so as to normally maintain the catch stud in its inwardly projected position of interlock in some one of the sockets in the widened forward extremity of the radius bar C.

To adjust the gun stock so that the butt portion may have the desired degree of "drop" it is only necessary to press with the finger on the forward part of the lever n, in an inward direction to release the catch whereupon the section B may be swung for one or several steps of "drop" to suit the user of the gun, the release of the pressure on the catch operating lever reëstablishing the immovable relation between the sections of the stud.

A jam or lock nut k^2 is in practice employed additional to the confining nut k, this also being sunk within the opening e and such opening, the end of the bar C and the nuts are concealed by the screw confined butt plate t.

The widened and oppositely flat sided forward end portion of the bar C, extending across the curved line of break between the butt and grip sections, and being in bearing against the edges of the curved bushing plates a and b or recesses for the accommodation therethrough of the said widened portion of the bar, renders the gun stock stiff and without liability of the one stock section having lateral play relatively to the other.

I claim:—

1. An adjustable gun stock comprising separately formed and relatively movable grip and butt sections, a bar engaged with, extending through and forwardly of, the butt-section, pivotally connected to the grip-section, and having adjacent the pivot point a plurality of sockets, and a catch mounted on the side of the grip section and operative to have detachable engagement in one or another of said sockets.

2. An adjustable gun stock comprising separately formed and relatively movable grip and butt sections, the grip section having within its rear portion a rearwardly divergent recess and the butt section having a straight passage longitudinally therethrough, a bar engaged with, extending through, the butt-section and having a vertically widened forwardly convergent forward portion and forwardly extended into said grip section recess and having a series of sidewise opening recesses, means for an axially-horizontal pivotal connection between the forward portion of said bar and said grip section, and a spring catch mounted on the side of the grip section and to detachably engage in said sockets.

3. An adjustable gun stock comprising relatively movable grip and butt sections, the grip section having within its rear portion a rearwardly divergent recess and the butt section having a straight round, rearwardly countersunk passage longitudinally therethrough which is merged into a vertically widened recess at its forward end, a round bar having its rear end portion screw threaded extending through the butt-section and having a vertically widened, opposite flat sided, forwardly convergent, forward portion, disposed within said widened butt section recess, and forwardly extended into said grip section recess and having a series of sidewise opening recesses arranged in an arc line, means for an axially-horizontal pivotal connection between the forward portion of said bar and said grip section, a nut screw engaging the rear end of said bar, and disposed in the aforesaid countersink, a spring catch, mounted on the side of the grip section, and to detachably engage in any one of said sockets, and a butt-plate covering the bored and countersunk end of the butt section and parts therein.

4. An adjustable gun stock comprising relatively movable grip and butt sections, a bar engaged with, extending through and forwardly of the butt section and within a rearwardly opening recess in the grip section, having an aperture transversely through its forward extremity, and having a series of sidewise opening sockets to the rear of said aperture, a casing fitted in one side of the grip section and having a trunnion extending through the transverse aperture in said bar, forming a fixed pivot for the latter, and a catch lever pivoted in said casing and having a stud adapted to engage in one or another of the sockets in said bar.

5. An adjustable gun stock comprising relatively movable grip and butt sections, a bar engaged with, extending through and forwardly of the butt section and within a rearwardly opening recess in the grip section, having an aperture transversely through its forward extremity, and having a series of sidewise opening sockets to the rear of said aperture, a casing fitted in one side of the grip section and having a trunnion extending through the transverse aperture in said bar, forming a fixed pivot for the latter, a catch

lever pivoted in said casing and having a stud adapted to engage in one or another of the sockets in said bar, and a screw which by its head engages a side portion of the grip section, and by its shank has a screw thread engagement in said trunnion.

6. An adjustable gun stock comprising relatively movable grip and butt sections, a bar engaged with, extending through and forwardly of the butt section, and within a rearwardly opening recess in the grip section, having an aperture transversely through its forward extremity, and having a series of sidewise opening sockets to the rear of said aperture, a casing fitted in one side of the grip section and having a hollow trunnion extending through the transverse aperture in said bar, forming a fixed pivot for the latter, a lever intermediately pivoted in said casing and having a catch stud pivotally hung thereto, guided through the wall of said casing, and adapted to engage in one or another of the sockets in said bar, a screw which by its head has an engagement with a side portion of the grip section, and which by its shank screw engages in said hollow trunnion, and a spring in said hollow trunnion and reacting outwardly against a member of said lever.

Signed by me in presence of two subscribing witnesses.

PATRICK H. CLARISEY.

Witnesses:
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