

No. 843,227.

PATENTED FEB. 5, 1907.

H. W. MUNSON.
JOINTED GUN STOCK.
APPLICATION FILED OCT. 4, 1906.

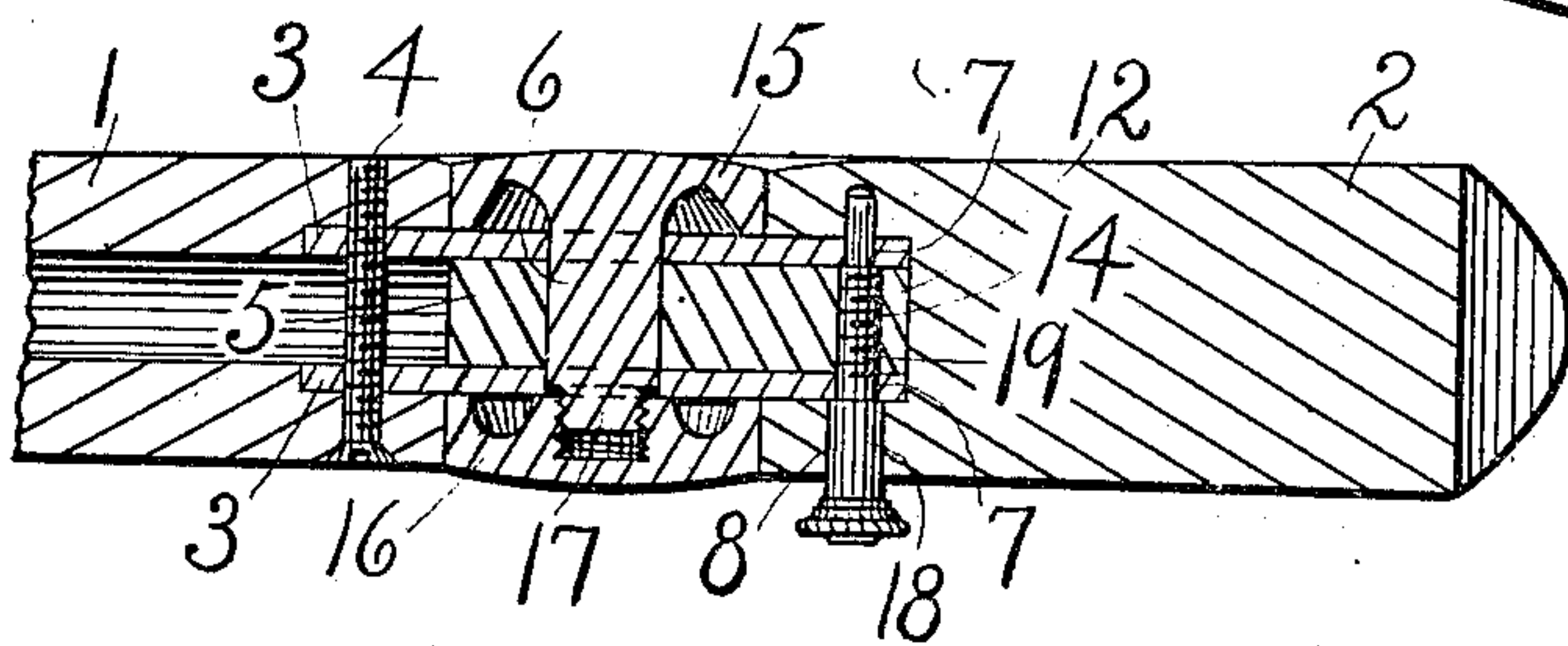
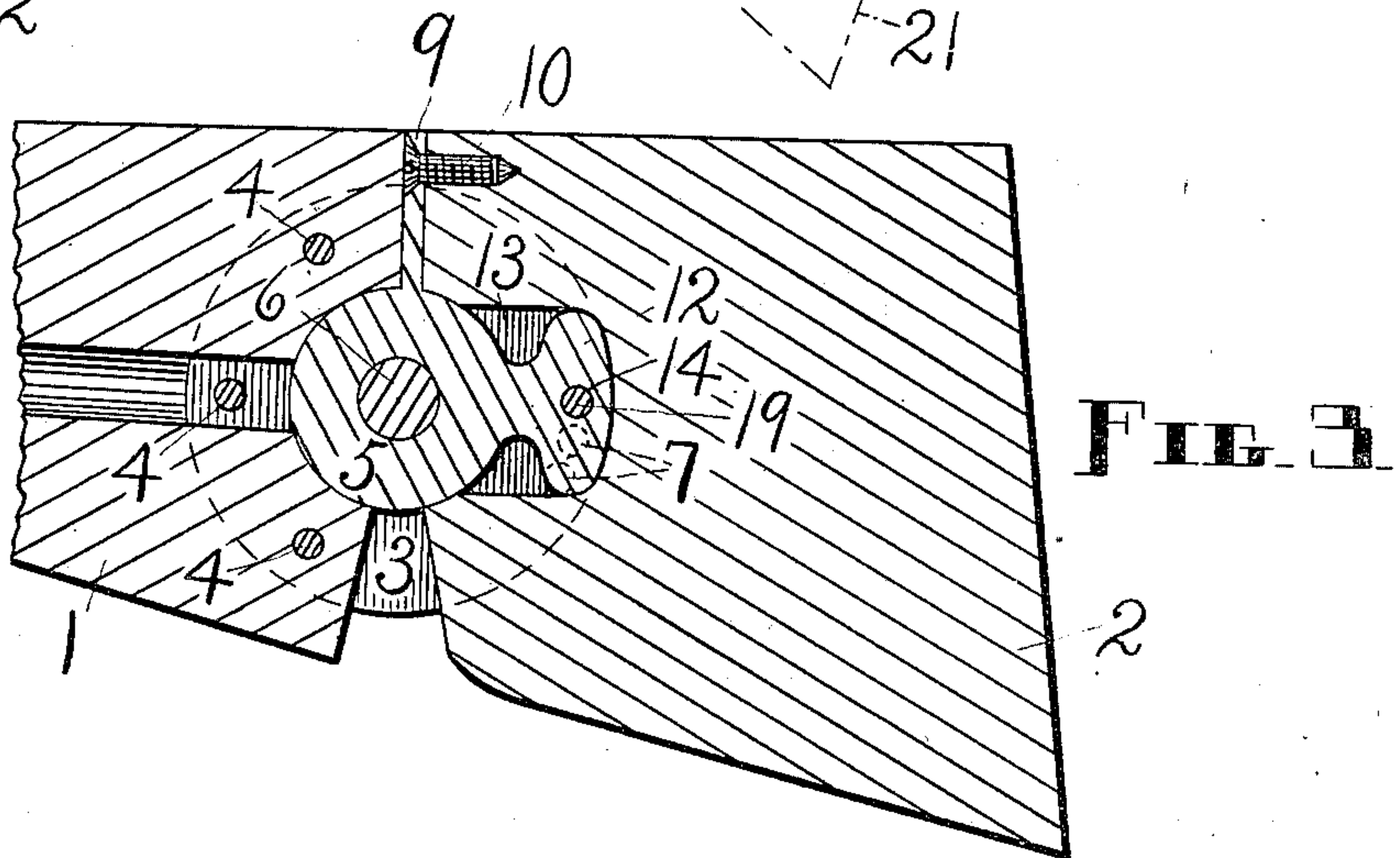
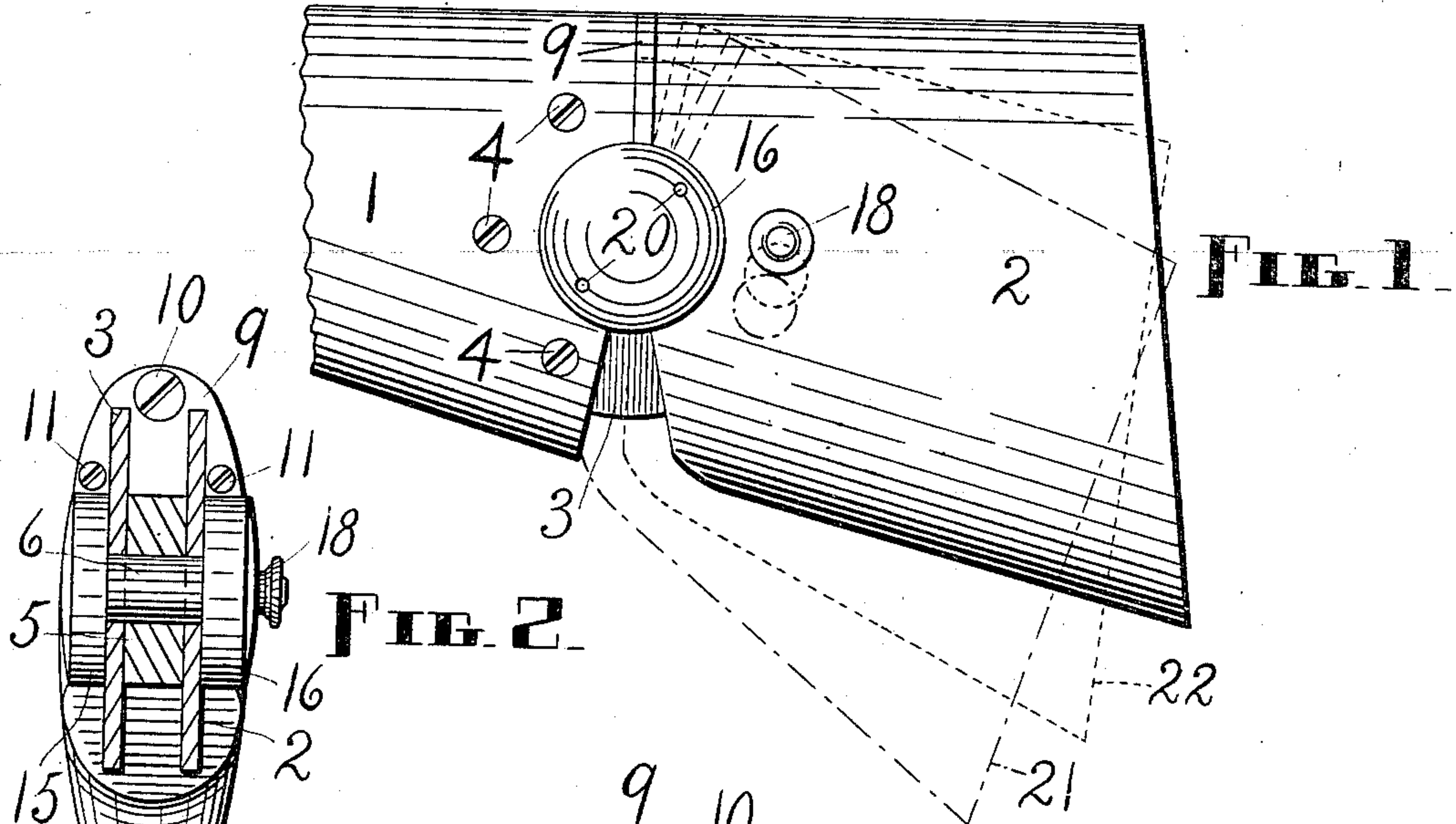


FIG. 4

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UNITED STATES PATENT OFFICE.

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JOINTED GUN-STOCK.

No. 843,227.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed October 4, 1906. Serial No. 337,383.

To all whom it may concern:

Be it known that I, HOMER W. MUNSON, a citizen of the United States of America, residing at Williamsburg, in the county of Hampshire and State of Massachusetts, have invented a new and useful Jointed Gun-Stock, of which the following is a specification.

My invention relates to improvements in jointed or adjustable gun-stocks, and more particularly to the kind of jointed or adjustable gun-stock set forth in United States Letters Patent No. 824,505, issued to me June 26, 1906; and said invention comprises two stock-sections connected by a hinge of peculiar construction, such hinge consisting of two disks let into said sections and fastened to one of them, a center block fastened to the other section, a pivot-pin for said disks and center block having bearing-heads, a locking-pin, and certain auxiliary parts, all as hereinafter described.

The object of my invention is to produce a strong, durable, and rigid jointed stock for firearms which can be easily and quickly adjusted to change the relation of the stock-sections to each other, the same being simple both in construction and operation and consisting of few parts so arranged as to obviate any liability to get out of order. I attain this object by the means illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the major portion of a gun-stock embodying my invention, one of the adjustments being shown in full lines, a second adjustment in dotted lines, and a third in dot-and-dash lines; Fig. 2, a view of the end of what I term the "butt-section," which is adjacent to what I term the "fore-stock section" of said gun-stock, the disks being cut through vertically and the connecting pivot-pin being in elevation; Fig. 3, a central longitudinal vertical section through the parts as shown in full lines in Fig. 1, and Fig. 4 a central longitudinal horizontal section through said parts.

Similar figures refer to similar parts throughout the several views.

The stock which I use comprises two sections, one of which is herein termed the "fore-stock section" and is represented at 1 and the other of which is herein termed the "butt-section" and is represented at 2. The fore-stock section 1 and the butt-section 2 have their adjacent edges cut away sufficiently to allow for whatever movement relative to each other it is desired to provide, and

said members are cut out on the interior to accommodate two disks 3. The disks 3 are securely fastened to the fore-stock section 1 by means of screws 4 inserted in said fore-stock section and passing through holes in said disks. The segments of the disks 3 which are opposite those held by the screws 4 are received loosely in the butt-section 2. These disks are spaced apart to receive a center block 5 between them, and central openings are made in said disks and center block for the reception of a pivot-pin 6. In each disk 3 opposite the holes provided for the screws 4 are three openings 7. An opening 8 is so located in the butt-section 2 as to be caused to aline with either pair of openings 7 when the parts are properly assembled and the stock-sections are turned on their pivot or either is turned thereon.

The center block 5 is provided with an upwardly-extending arm 9, which is attached between the fore-stock section 1 and the butt-section 2 to the upper part of the front face or edge of said butt-section by screws 10 and 11, and said center block is further provided with a rearwardly-extending lug 12, which is received into a chamber 13 in the butt-section and has an opening 14 therein in line with the butt-section opening 8. The front part of the center block 5 fits into and is adapted to turn in a suitable concavity in the fore-stock section between the disks 3. The pin 6 has a large integral bearing-head 15 at one end and a similar bearing-head 16 at the other end, except that said head 16 is removable from said pin, since it is adapted to be screwed on and off of the threaded terminal 17 of the pin which is opposite said head 15. When the pin 6 is in place in the disks 3 and in the center block 5 and the head 16 is screwed onto said pin and tightened with a spanner-wrench or other suitable tool, the two bearing-heads 15 and 16 are held firmly against the outer sides of said disks and the two stock-sections are securely hinged together. The center block is now free to turn on the pivot-pin or said pin is free to rotate in said center block, as the case may be, or both actions may be had if both stock-sections are manipulated at the same time. The heads 15 and 16 fit into concave recesses in the two stock-sections and afford additional bearings for said sections.

From the foregoing it will be seen that in adjusting when the stock-sections are pivoted together the fore-stock section 1 rides

pon the center block 5 and the butt-section rides upon the disks 3, while both sections ride upon the bearing-heads 15 and 16, and besides there is the action of the direct pivotal connection. Now when these parts, constructed and arranged to bear upon each other, as has just been explained, are locked in place in the manner and by the means described below a very rigid and practically unbreakable joint is the result.

To secure the parts after adjustment, I employ a locking-pin 18, which is adapted to pass through the opening 8 in the butt-section 2, any pair of oppositely-disposed openings 7 in the disks 3, and the opening 14 in the center block 5, the sides of said opening and the portion 19 of said locking-pin which enters such opening and remains therein preferably being screw-threaded. The inner end of the locking-pin 18 may extend beyond the adjacent disk 3 into the butt-section. More or less than three pairs of openings 7 in the disks 3 may be provided, the number of different adjustments being varied accordingly, since each of such pairs permits one adjustment. The centers of the openings 7, as well as of abutting curved bearing-surfaces, are concentric with the axis of the pin 6.

Recesses in the head 16 for the engaging projections of a spanner-wrench are represented at 20.

One of the extreme positions of adjustment admitted in this construction is illustrated in full lines in the first view, the other extreme position is there indicated by the dotted-dash lines 21; and the intermediate position by the dotted lines 22. The change from any one of these positions to another is effected by withdrawing the locking-pin, turning the pivoted parts upon their pivot to whatever extent may be necessary to obtain the required relation or angle, and in inserting said locking-pin, care being exercised to bring the openings 7 which are to be used into line with the openings 8 and 14. In order to separate the stock-sections, simply take out the locking-pin, unscrew the head 16, and remove the pivot-pin.

Various changes in the arrangement and construction of some or all of the parts of my invention will readily occur to one skilled in the art, and such changes which fairly fall within the scope of my claims I desire to include in my invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, in a jointed gun-stock, of a stock-section provided with disks fastened thereto and projecting beyond the

same, of a second stock-section adapted to receive portions of such disks and provided with a center block fastened thereto and arranged to enter between said disks, and a pivotal connection between the disks and center block. 65

2. The combination, in a jointed gun-stock, with a stock-section provided with disks fastened thereto and projecting beyond the same, of a second stock-section adapted to receive portions of such disks and provided with a center block fastened thereto and arranged to enter between said disks, a pivotal connection between the disks and center block, and a locking-pin adapted to secure said center block and the stock-section to which the latter is fastened and the disks together. 70 75

3. The combination, in a jointed gun-stock, with a stock-section provided with disks fastened thereto and projecting beyond the same, such disks having a plurality of openings therein for a locking-pin, of a second stock-section adapted to receive portions of said disks and provided with a center block fastened thereto and arranged to enter between the disks, a pivotal connection between the disks and center block, the stock-section to which said center block is secured and such center block having alining openings therein with which the disk-openings may be brought into alinement as the parts are turned on their pivot, and a locking-pin adapted to enter whatever openings are in alinement and secure the disks to the center block and its stock-section. 80 85 90 95

4. The combination, in a jointed gun-stock, with a stock-section provided with disks fastened thereto and projecting beyond the same, of a second stock-section adapted to receive portions of such disks and provided with a center block fastened thereto and arranged to enter between said disks, and a pivot-pin connecting the disks and center block and provided at the ends with heads which afford bearings for contiguous parts of the two stock-sections. 100 105

5. The combination, in a jointed gun-stock, with a stock-section and two disks fastened thereto and projecting beyond the same, of a second stock-section adapted to receive portions of such disks, a center block having an arm fastened between the stock-sections to said second stock-section, and a pivotal connection between said disks and center block. 110 115

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