No. 741,183. PATENTED OCT. 13, 1903.

V. C. TASKER.

ADJUSTING GAGE FOR SUBCALIBER GUNS.

APPLICATION FILED FEB. 21, 1903.

NO MODEL.

Fig. 1.

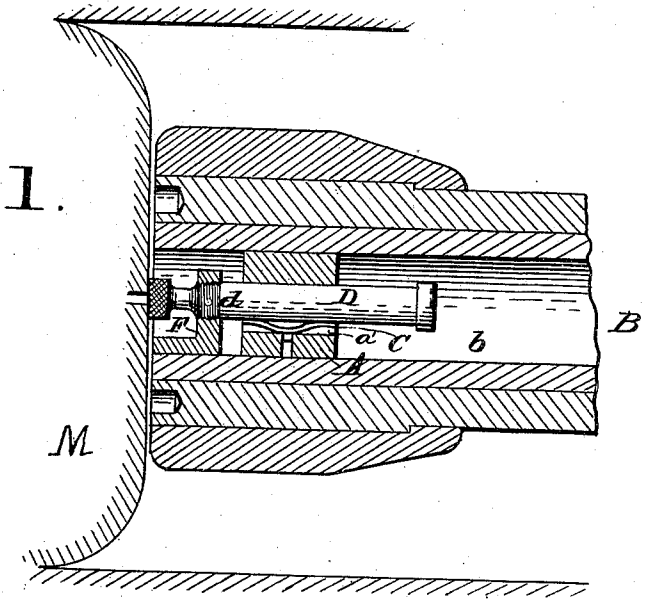


Fig. 2.

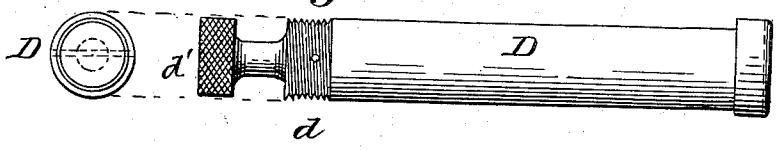
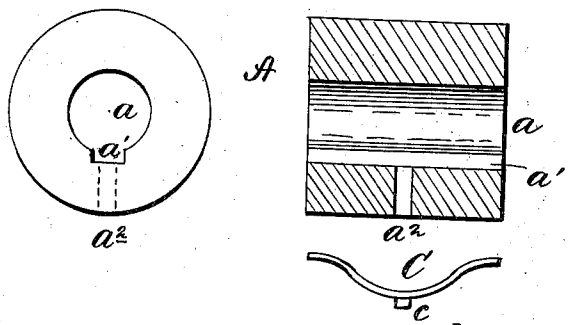


Fig. 4.



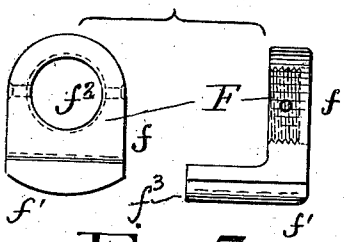


Fig. 3.

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No. 741,183. Patented October 13, 1903.

UNITED STATES PATENT OFFICE.

VERNON C. TASKER, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR TO AMERICAN ORDNANCE COMPANY, OF NORFOLK, VIRGINIA, A CORPORATION OF VIRGINIA.

ADJUSTING-GAGE FOR SUBCALIBER GUNS.

SPECIFICATION forming part of Letters Patent No. 741,183, dated October 13, 1903.

Original application filed June 21, 1902, Serial No. 112,678. Divided and this application filed February 21, 1903. Serial No. 144,438. (No model.)

To all whom it may concern:

Be it known that I, VERNON C. TASKER, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Adjusting-Gages for Subcaliber Guns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an adjusting-gage for auxiliary or subcaliber devices to regulate the position of the latter in the large or main gun.

The invention consists in the construction hereinafter pointed out.

The present application is a divisional application of my application for United States patent filed June 21, 1902, Serial No. 112,678, upon which division was required by office action of July 8, 1902.

In the annexed drawings, Figure 1 represents in section a portion of a subcaliber gun and the large gun with the gage in place; Fig. 2, a side and end view of the adjustment-rod; Fig. 3, a similar view of the indicator or head; Fig. 4, an end and sectional view of the rod-supporting plug and the spring within the latter.

In the drawings the letter A indicates a plug which is made to fit snugly but movably in the bore b of the auxiliary barrel or subcaliber gun B. This plug has a bore a, and at one side thereof a channel or recess a', from which there leads a passage a^2 to the outside of the plug. In the channel a' is placed a spring C, having a nib c, which rests in the top of the passage a^2. Passing through the bore a of the plug A is the adjustment-rod D, which bears upon the spring C and by the latter is held in any given position in the plug A and yet capable of being moved longitudinally. This rod D has a threaded part d. Engaging this threaded part d of this rod D is the vertical part f of the indicator or head F. This indicator or head F is made of two parts f and f' at a right angle to each other. The vertical part f has a threaded hole f^2 to engage the threads of the rod F and the horizontal part f', adapted to the bore of the subcaliber gun B.

The parts of the gage are put together as indicated, and in use the gage is applied as shown in Fig. 1.

The object of the use of this device is to regulate the space between the inner face of the subcaliber gun and the face of the gas-check.

The outer end d' of the rod extends beyond the extreme end f^3 of the horizontal part f' of the indicator, the amount of such extension being the amount of space which should be between the face of the mushroom gas-check and the face of the auxiliary barrel or subcaliber gun when the large gun is closed or the necessary space for the head of a cartridge which is used with the subcaliber gun, the latter being designed for fixed ammunition. To ascertain if the subcaliber gun is properly adjusted, the rod D is pulled rearwardly in the plug A, so as to project, and the breech of the large gun is then closed, the mushroom head M pushing forward the rod D. Upon again opening the breech it is noted whether the extreme end f^3 of the indicator F is flush with the rear face of subcaliber gun, in which case the latter is known to be properly adjusted.

Having described my invention, what I claim is—

1. An adjusting-gage for a subcaliber gun consisting of a plug fitting the bore of the gun, an adjustable rod held in such plug, and an indicator carried at one end of the rod.

2. An adjustable gage for a subcaliber gun consisting of the plug, A, fitting the bore of

the gun; the rod, D, held in the plug, A, and adjustable therein; and the indicator, F, carried at one end of the rod.

3. The adjusting-gage, consisting of the plug, A, having the bore, *a*, and spring, C; the rod, D, fitting within such plug, and the indicator, F.

4. The adjusting-gage, consisting of the plug, A, having the bore, *a*, and channel, *a'*, the spring, C, within such channel, the rod, D, fitting within such plug, and the indicator, F.

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

VERNON C. TASKER.

Witnesses:
G. T. SAMPSON,
GEO. T. PARKER.