

No. 745,464.

PATENTED DEC. 1, 1903.

V. C. TASKER.
AUXILIARY BARREL FOR BREECH LOADING GUNS.

APPLICATION FILED FEB. 21, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

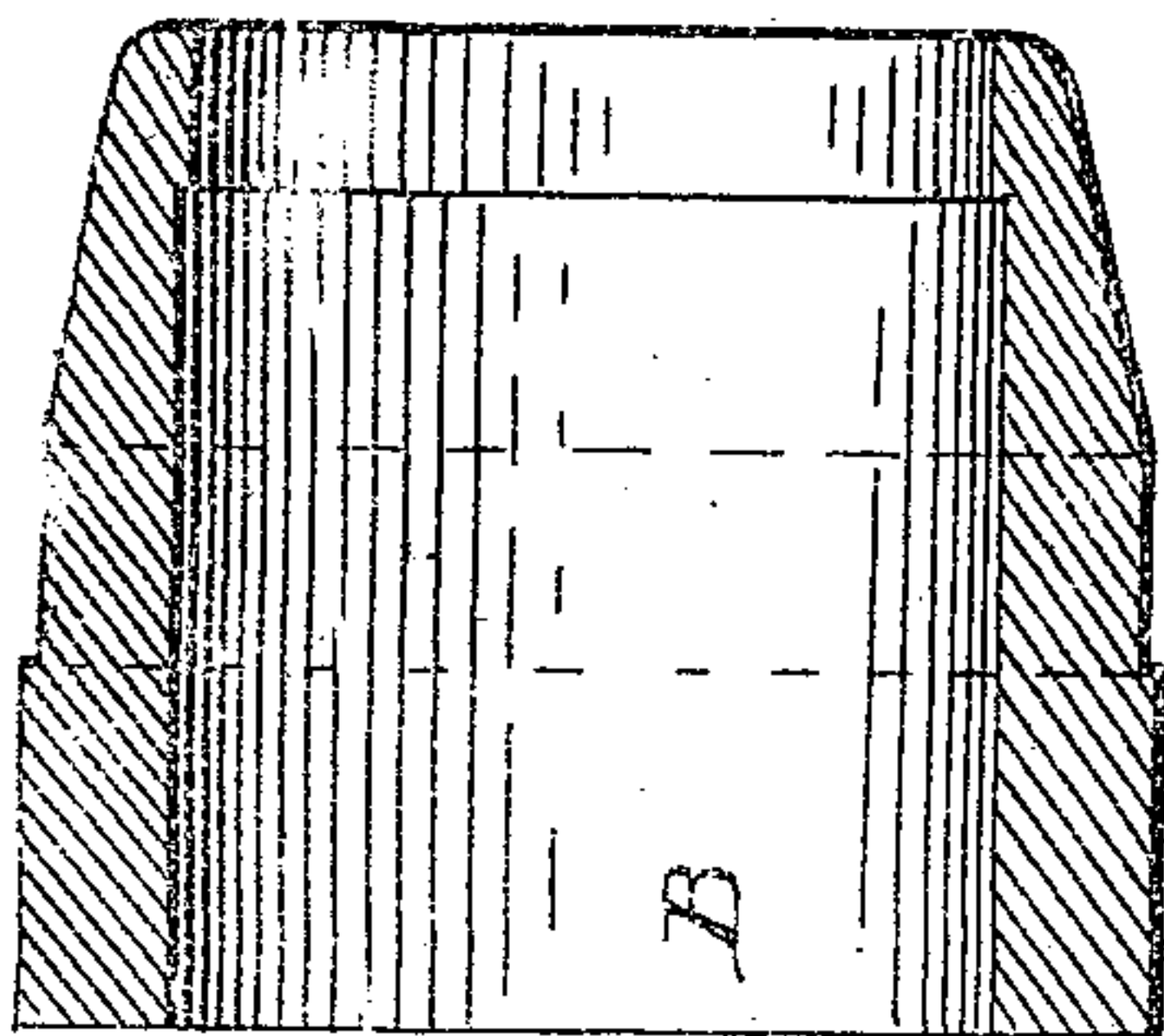


Fig. 2.

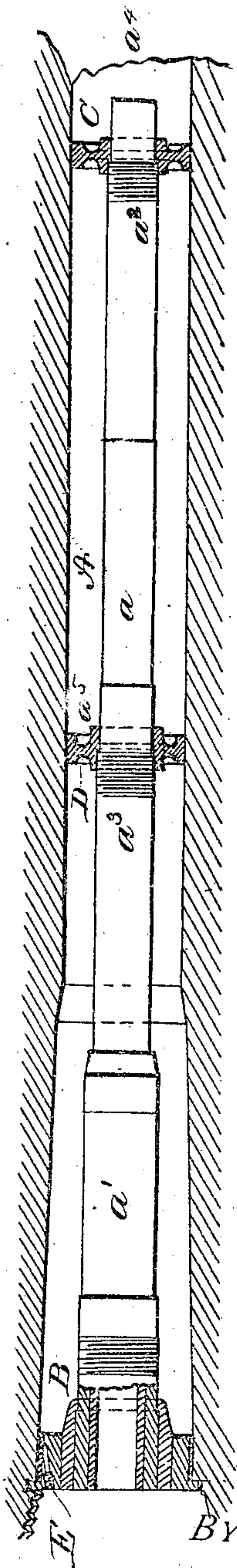


Fig. 1.

WITNESSES:

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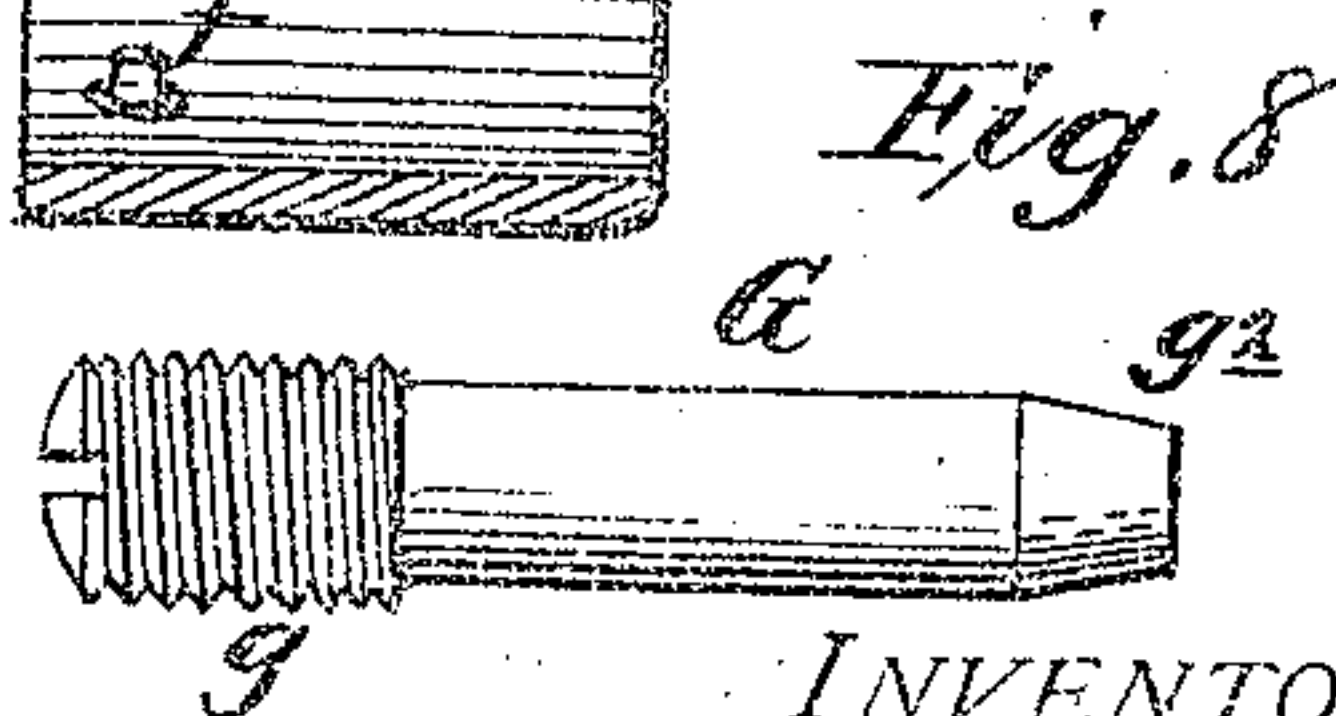
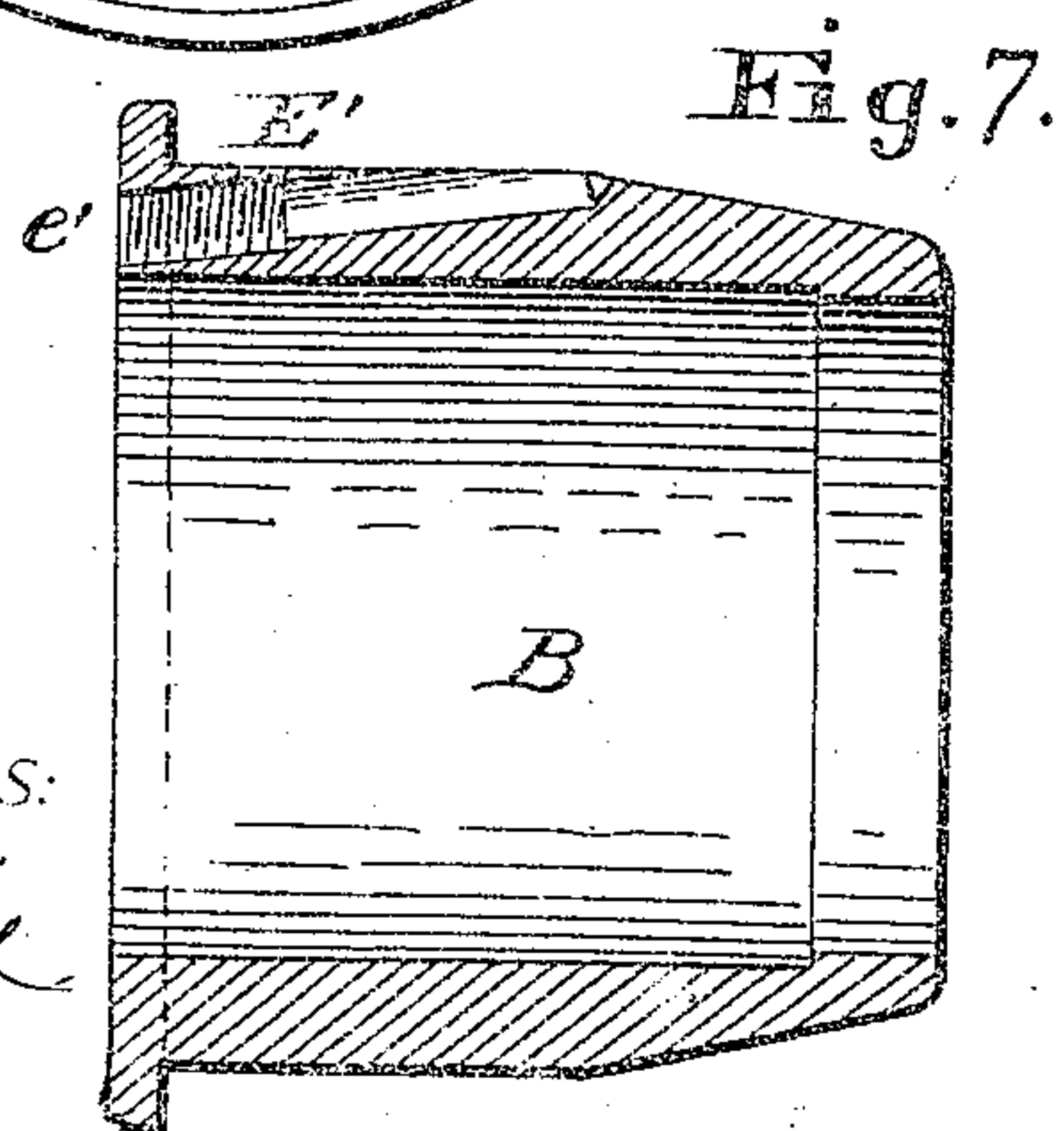
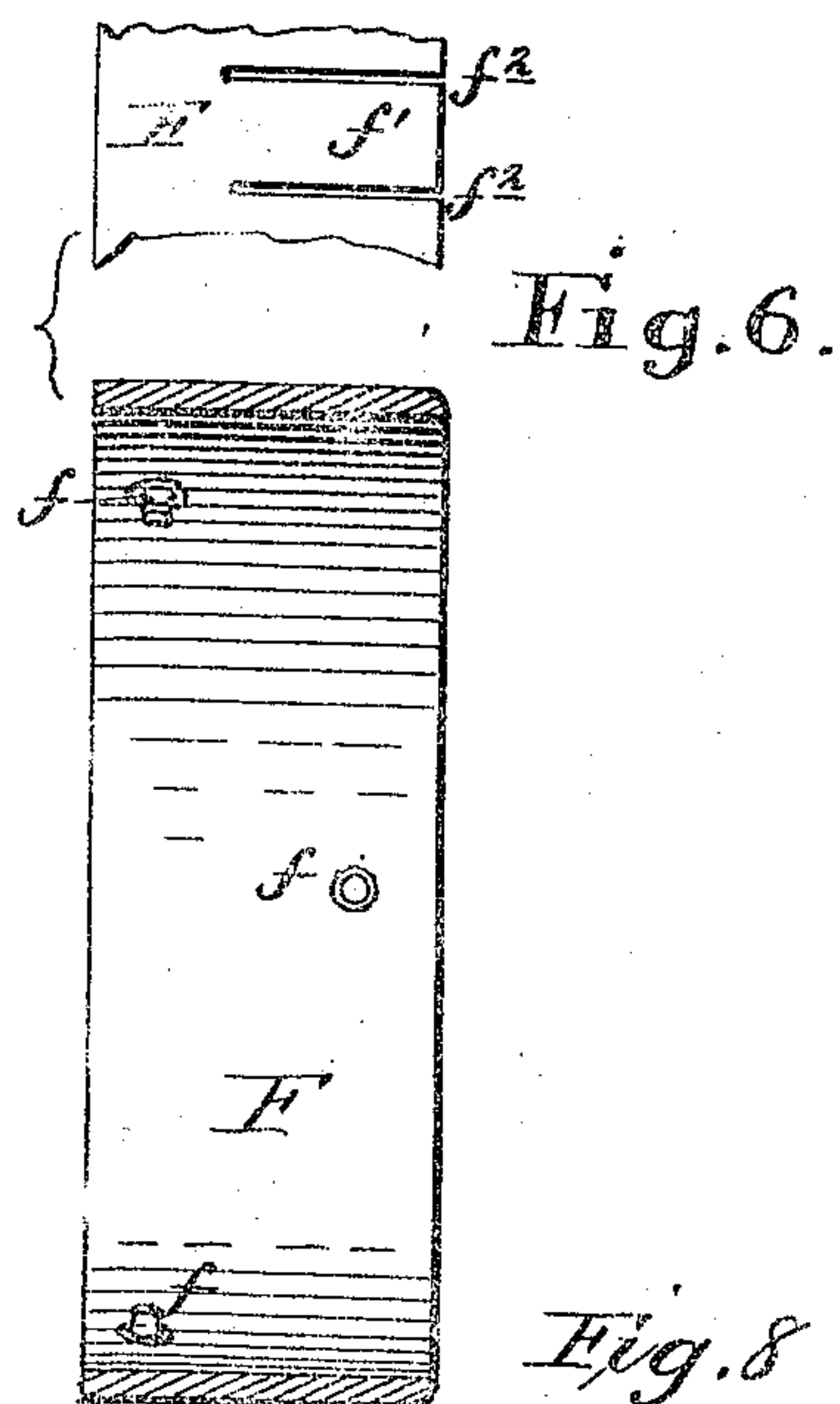
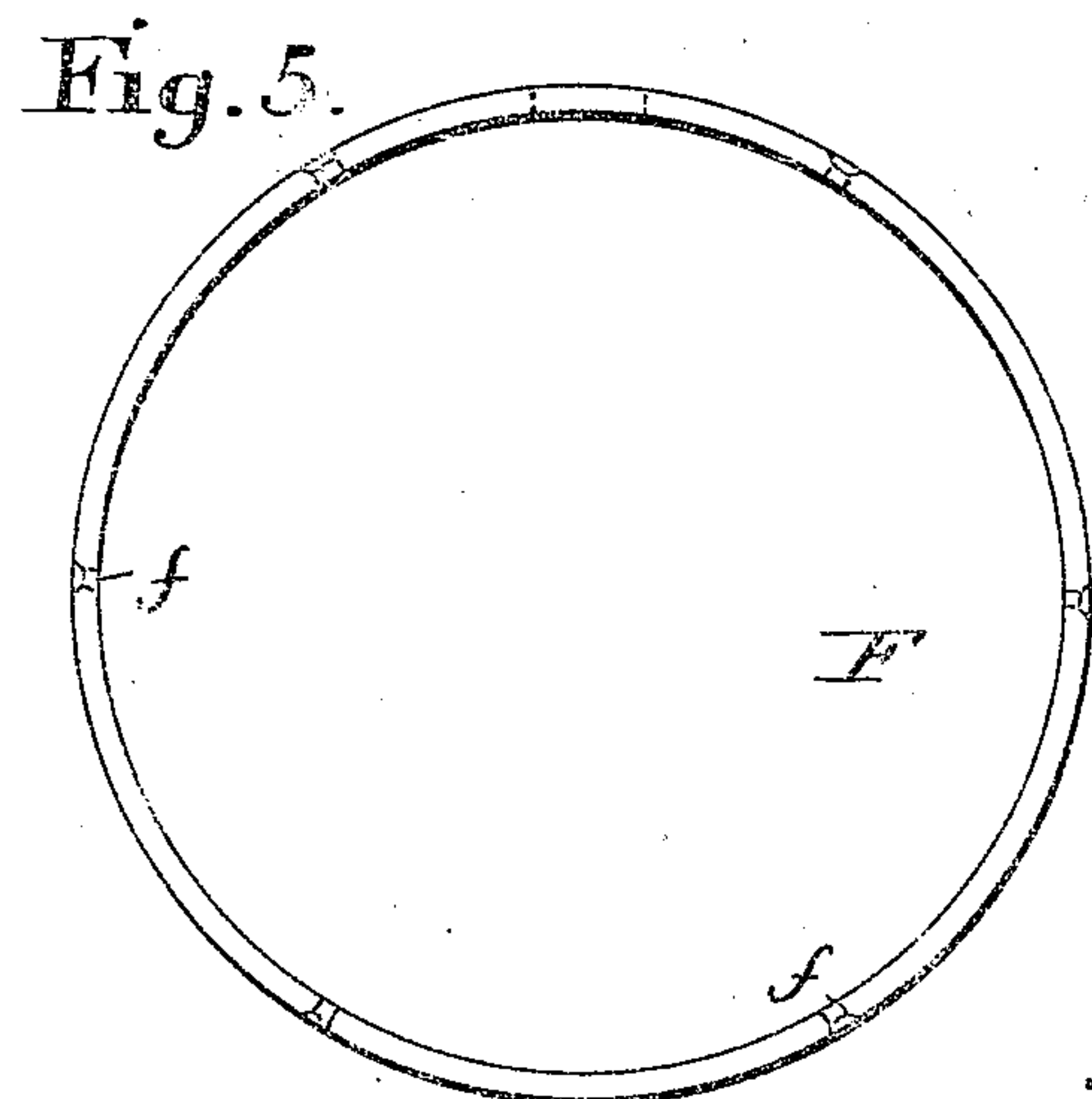
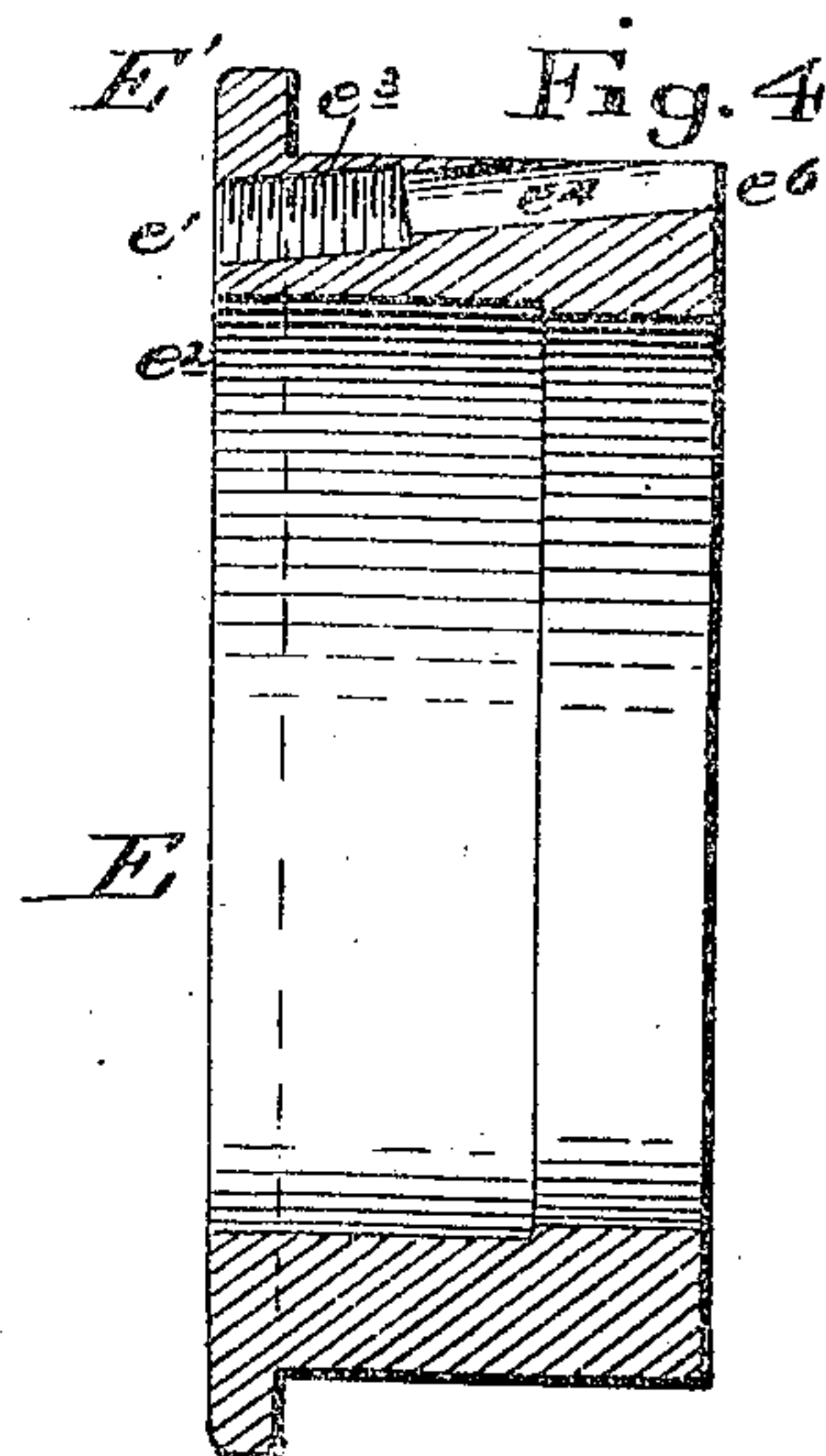
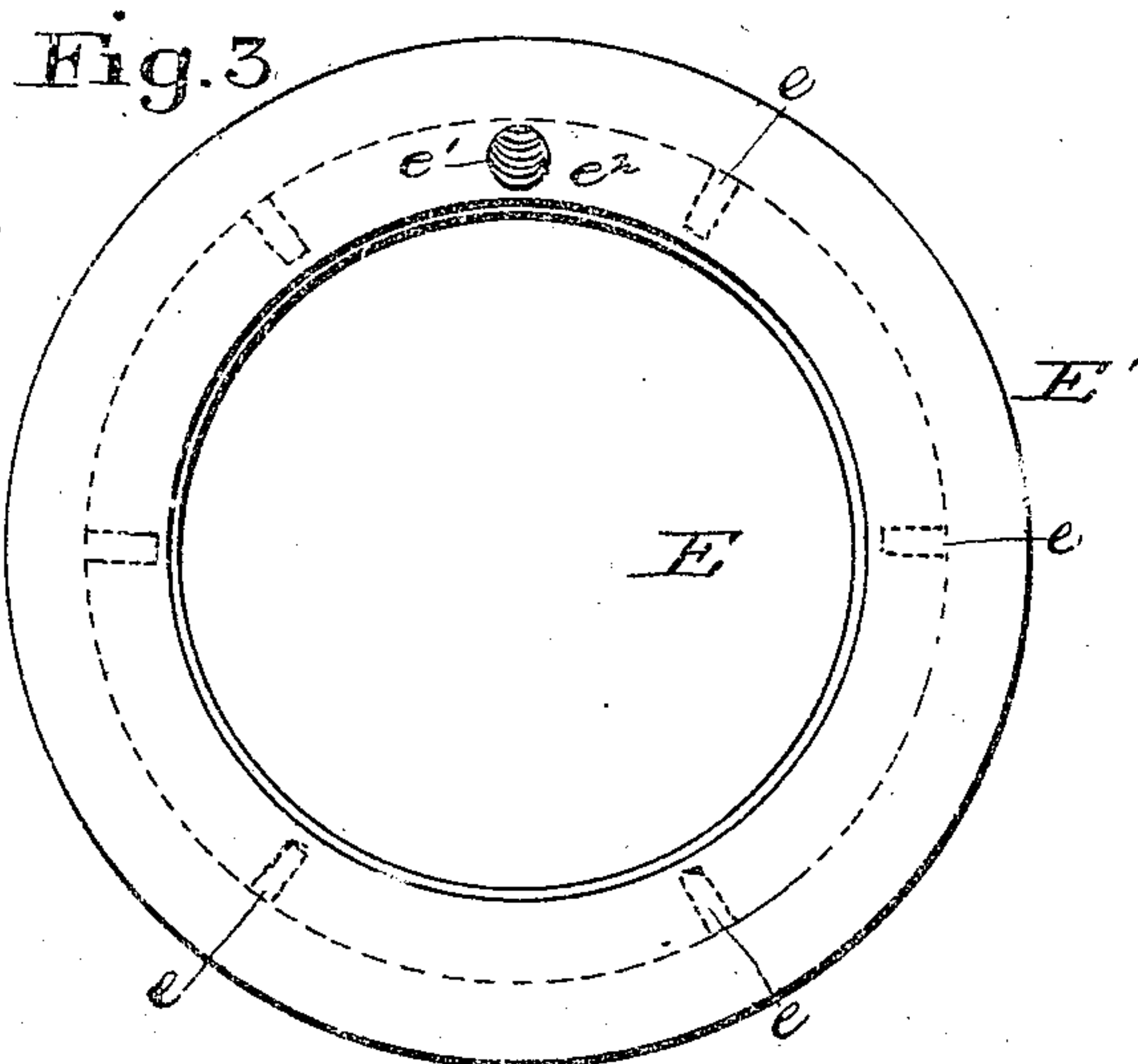
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APPLICATION FILED FEB. 21, 1903.

NO MODEL.

2 SHEETS—SHEET 2.



WITNESSES:
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UNITED STATES PATENT OFFICE.

VERNON C. TASKER, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR
TO AMERICAN ORDNANCE COMPANY, OF NORFOLK, VIRGINIA, A COR-
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AUXILIARY BARREL FOR BREECH-LOADING GUNS.

SPECIFICATION forming part of Letters Patent No. 745,464, dated December 1, 1903.

Application filed February 21, 1903. Serial No. 144,436. (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 Auxiliary Barrels for Breech-Loading 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 auxiliary barrels for breech-loading guns, or, as they are usually termed, "subcaliber devices;" and it consists in the construction hereinafter set forth.

The present invention is especially designed for a gun using fixed ammunition or a cartridge and there is no tapered portion of the large gun on which to obtain a bearing for one of the adapters. Hence it is necessary to provide some means other than expansion at the rear of the subcaliber device to prevent the latter from jarring forward.

In the annexed drawings, Figure 1 represents in section and side elevation, a portion of a gun and the device within the gun; Fig. 2, an enlarged sectional view of the breech-hoop; Figs. 3 and 4, end and sectional views of the adapter-ring; Figs. 5 and 6, end, sectional, and partial detail of the adapter-sleeve; Fig. 7, a sectional view of a modification of the breech-hoop; Fig. 8, a view of the adapter-screw.

In the drawings the letter A indicates the auxiliary barrel or subcaliber gun, which may be built up in the usual way, consisting of the tube a , the jacket a' , and the breech-hoop B. This barrel A is provided on its exterior surface with two sets of screw-threads a^2 a^3 of the same pitch and direction, one set, a^2 , being near the muzzle a^4 and the other set, a^3 , being about the middle a^5 of the subcaliber gun. Engaging the front threads a^2 is a front adapter C, which fits on its outer rim c the bore of the large or main gun. Engaging the threads a^3 is the middle adapter D, on its outer rim d fitting the bore of the large gun. The rear end of the tube a has the usual breech-hoop B, upon which is placed a steel ring F having the flange E'. This ring

is provided with a number of holes e and at one side with a screw-seat e' . This screw-seat e' runs obliquely from one face, e^2 , of the ring outwardly to the outer periphery of the ring and has a threaded portion e^3 at the face e^2 and a smooth portion e^4 .

At the inner and upper end e^5 of the smooth portion e^4 of the seat e' there is a slit or opening e^6 in the outer periphery of the ring E. Upon this ring E is placed a brass sleeve F, held thereto by pins f engaging the holes e and having a tongue f' , formed by making slits f^2 in the sleeve, such tongue coming over the slit or opening e^6 in the ring E. Seated in the seat e' of the ring E is a screw G, having the threads g , which engage the threads e^3 of the seat e' , and a smooth portion g' , which is within the smooth portion e^4 of this seat, the point g^2 of the screw passing through the slit or opening e^6 and pressing against the tongue f' of the sleeve F.

The subcaliber gun, with the several adapters, is put in position as shown in Fig. 1. After they are duly placed and adjusted by turning the barrel within the adapters the screw G is turned inwardly, forcing the point g^2 thereof through the slit or opening e^6 against the tongue f' of the sleeve F and binding the tongue against the inner face or bore of the large or main gun, thus firmly holding the subcaliber gun in place. The flange E' of the ring E is fitted to the face of the larger gun around the inner end of the bore, occupying the place where the rim of the cartridge-case fits, and as a mushroom gas-check is not used with a gun of this caliber the flange may be used and it prevents any forward jarring of the subcaliber gun.

If desired, the ring E may be omitted and the breech-hoop B be made with the flange and having the screw-seat for the adapter-screw G.

Having thus described my invention, what I claim is—

1. Means of securing a subcaliber gun in place provided with a variable adjustment for holding the subcaliber gun tightly within the larger gun, and additional means for preventing the subcaliber gun from being jarred forward when the gun is fired.

2. Means of securing a subcaliber gun in place provided with a variable adjustment for holding the subcaliber gun tightly in place within the larger gun, and a flange fitting the
5 face of the larger gun to prevent the subcaliber gun from being jarred forward when the gun is fired.

3. Means of securing a subcaliber gun in place and preventing its being jarred forward
10 when the gun is fired provided with a slitted ring having a tongue on the outside, a screw for bearing against such tongue, and a flange on the outer end.

4. The combination of the ring, E, having the slit or opening, e^6 , and the flange, E' ,
15 adapted to the face of a large gun; the screw, G, held in the ring, E, and passing through the slit or opening, e^6 ; and the sleeve, F, having the tongue, f' , coming over the slit or opening, e^6 , of the ring, E.
20

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

VERNON C. TASKER.

Witnesses:

G. T. SAMPSON,

GEO. T. PARKER.