

No. 773,998.

PATENTED NOV. 1, 1904.

W. SMITH.
RIFLE ATTACHMENT FOR SHOTGUNS.
APPLICATION FILED FEB. 20, 1904.

NO MODEL.

Fig. 1.

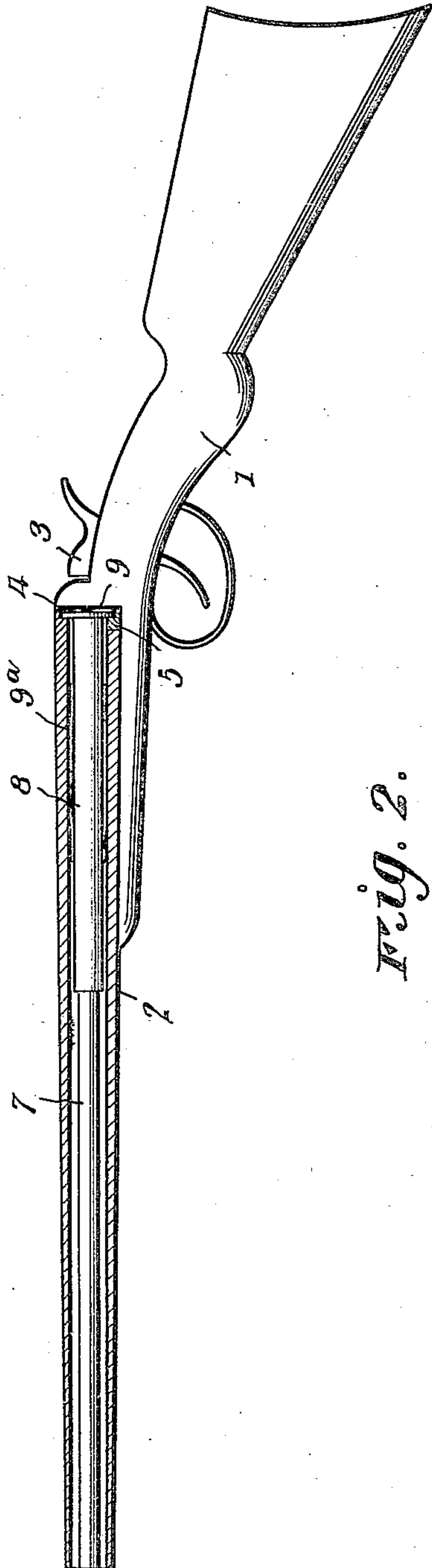
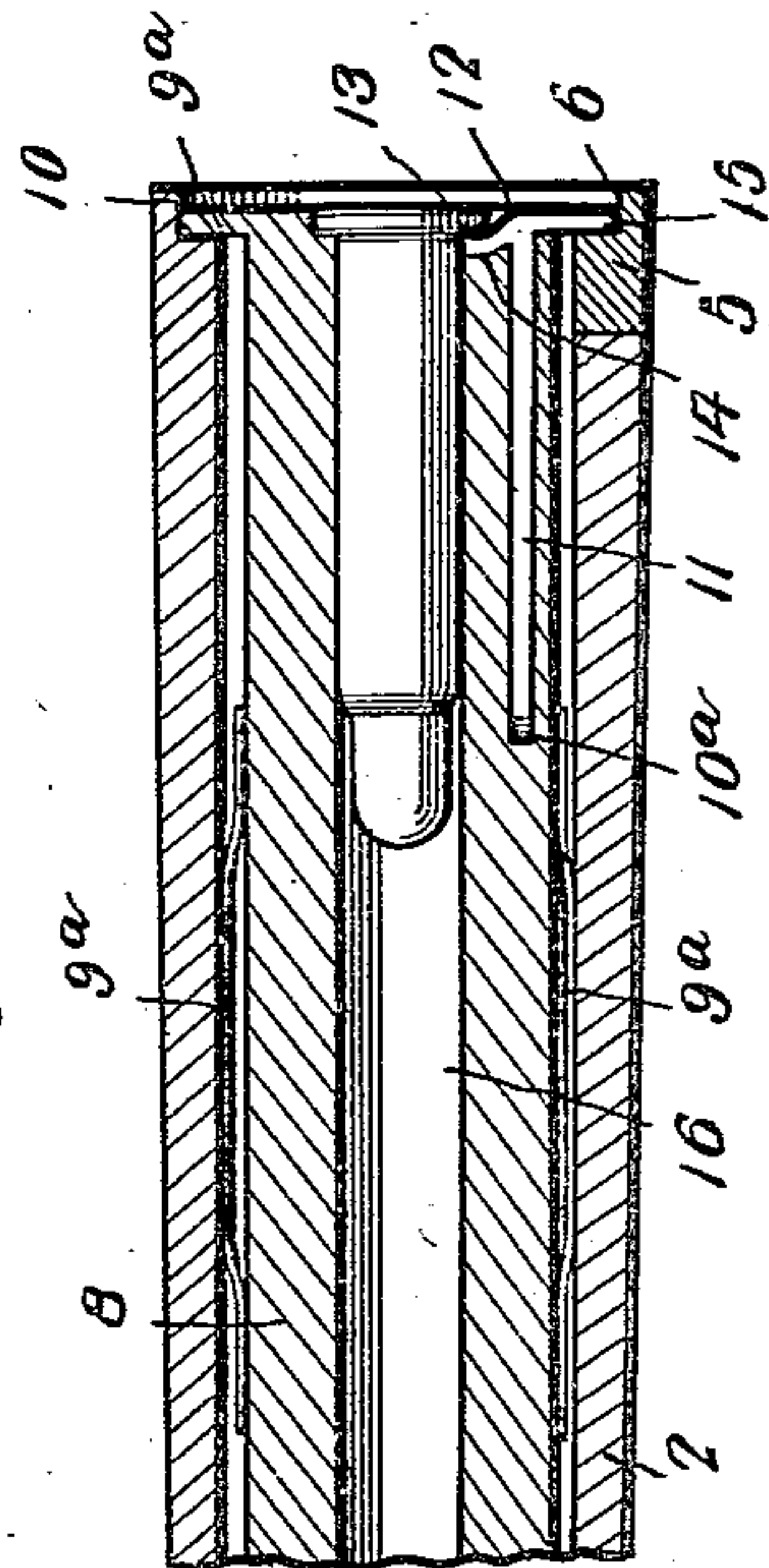


Fig. 2.



Witnesses

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RIFLE ATTACHMENT FOR SHOTGUNS.

SPECIFICATION forming part of Letters Patent No. 773,998, dated November 1, 1904.

Application filed February 20, 1904. Serial No. 194,575. (No model.)

To all whom it may concern:

Be it known that I, WATSON SMITH, a citizen of the United States, residing at Fulton, in the county of Hempstead and State of Arkansas, have invented new and useful Improvements in Rifle Attachments for Shotguns, of which the following is a specification.

This invention relates to a rifle-tube attachment for breech-loading shotguns; and the primary object of the same is to provide a simple and effective device for insertion in a barrel or barrels of a shotgun, whereby the latter may be quickly converted into a rifle without in the least disturbing the shotgun organization, but, on the contrary, utilizing the firing and shell-extracting mechanisms of an ordinary shotgun to explode rifle-cartridges and withdraw the shells of the latter.

The improved rifle-tube attachment is of such nature that it can be readily transported or carried on the person of the gunner and adapts a single firearm for two uses, as occasion may require.

The invention consists in the construction and arrangement of the parts, which will be more fully hereinafter set forth.

In the drawings, Figure 1 is a side elevation of a shotgun with the barrel shown in section and illustrating the improved rifle-tube applied thereto. Fig. 2 is an enlarged longitudinal vertical section of the rear extremity of the barrel and rifle-tube.

Similar numerals of reference are employed to indicate corresponding parts in the views.

The numeral 1 designates the stock of an ordinary shotgun, to which one or more barrels 2 are applied by a suitable break-joint. The gun includes in its organization a hammer 3, which will be duplicated as understood when two barrels are employed and cooperate with one or more firing-pins. (Not shown.) At the breech end of the barrel a slidable shell-extractor 5 of usual construction is located and has a shouldered recess 6 at its lower extremity.

The improved attachment consists of an elongated tube 7, having the rear extremity 8 enlarged and shaped to conform to the contour of the rear extremity of the barrel in which it is fitted. The rear enlarged extrem-

ity 8 of the rifle-tube terminates in a rear circumferential flange 9, which is slipped into the cartridge-rim recess 10 in the rear end of the barrel 2, and to sustain the tube in tight frictional engagement with the barrel 2 one or more springs 9^a are used and secured to the rear extremity 8 of the tube. In some instances only one spring will be necessary and in others two springs will be preferred. Each spring is connected at its one end to the outer surface of the extremity 8 and is centrally bowed or normally projected outwardly from said extremity, so as to be compressible and establish a tight binding engagement with relation to the inner surface of the barrel 2. If desired, both ends of the spring may be attached to the extremity 8. In addition to the function of the spring 9^a, as just stated, two of the same when used will hold the tube 7 and its rear extremity 8 centrally in the barrel. The rear end of the tube is longitudinally slotted, as at 10^a, in its lower portion to receive the sliding stem or shank 11 of a shell-extracting head 12, having an upwardly-projecting lip 13 normally disposed in a recess 14 and in advance of the lower part of the rim of the cartridge inserted in the rifle-tube. The head 12 also has a depending finger 15, which projects into the shouldered recess 6 of the shell-extractor 5 of the shotgun, so that the latter extractor will operate that of the rifle-tube, the shell-extractor in the rifle-tube being an auxiliary to render the extractor of the shotgun effective in its operation.

It will be understood that the diameter of the tube 7, and especially the rear extremity 8, will depend upon the gage of the barrel of the shotgun, and the bore 16 of the tube will be such as to adapt the tube to receive cartridges of required calibers.

In a double-barrel shotgun the rifle-tube attachment may be inserted and remain in one of the barrels and ready for instant use, while the remaining barrel will be left free for service in discharging shells containing shot. In single-barrel shot-guns the rifle-tube attachment will be applied when found desirable.

The improved attachment will be found exceptionally useful and in view of its simplicity in structure may be manufactured and sold

at a minimum cost. The rear enlarged extremity 8 of the tube 7 increases the strength of said tube at a point where the greatest resistance to fracture is demonstrated, the said
5 extremity practically serving as a firing-chamber and the metal of said extremity being thicker than the part of the tube in advance of the same.

Having thus fully described the invention,
10 what is claimed as new is—

The combination with a shotgun-barrel, of a rifle-tube removably mounted therein and having a rear enlarged extremity which is thicker than the remaining part of the tube
15 and terminates in a circumferential flange to fit in the cartridge-rim recess in the barrel, an

auxiliary shell-extractor carried by the rear enlarged end of the tube and having the rear terminal thereof snugly disposed in the said flange, the rear end of the enlarged extremity 20 of the tube around the bore of the latter being formed with a depression or seat for the cartridge-rim, and springs secured to and extending longitudinally of the rear enlarged extremity of the tube and projected outwardly 25 at their intermediate portions.

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

WATSON SMITH.

Witnesses:

S. M. HARRILL,
HENRY COX.