

S. H. ROPER.

Detachable Muzzle for Shot Guns.

No. 79,861.

Patented July 14, 1868.

Fig. 1

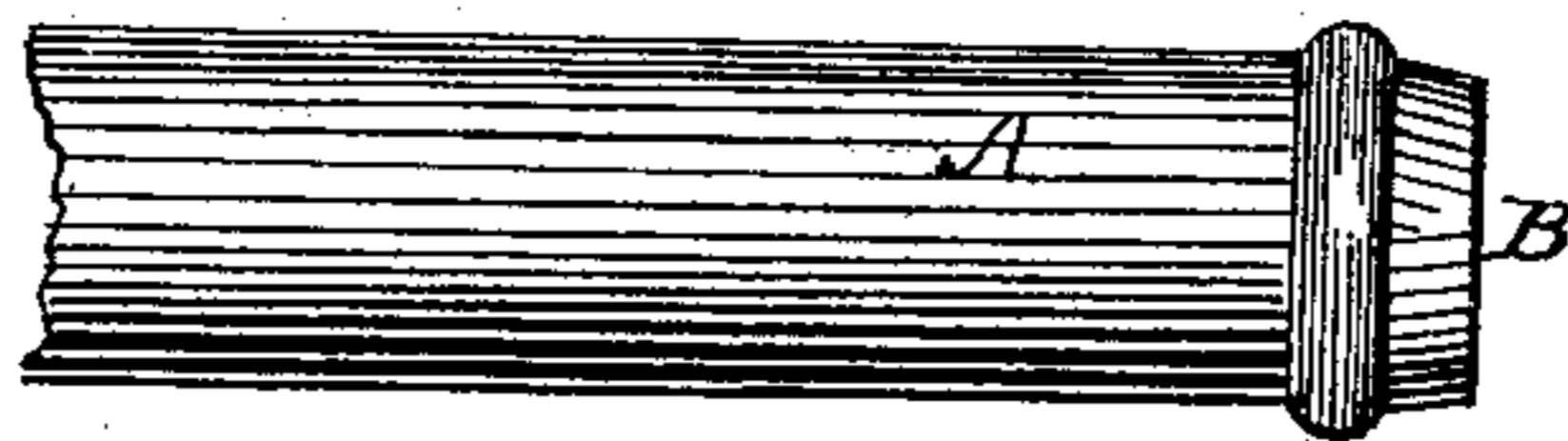
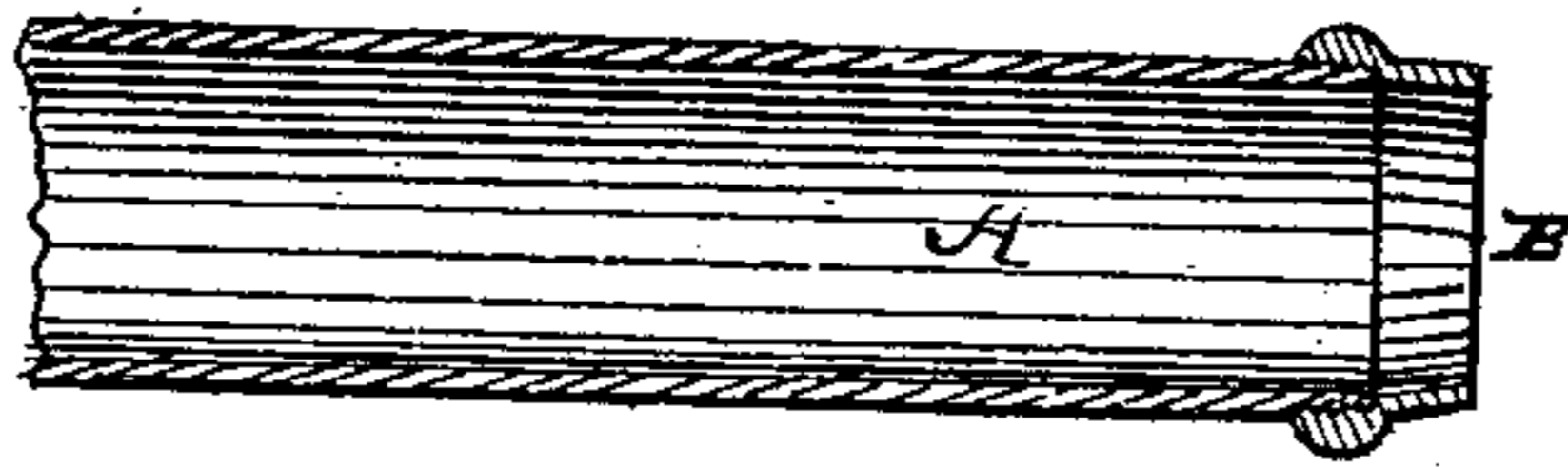


Fig. 2.



WITNESSES  
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SYLVESTER H. ROPER, OF ROXBURY, ASSIGNOR TO THE ROPER REPEATING-RIFLE COMPANY, OF AMHERST, MASSACHUSETTS.

Letters Patent No. 79,861, dated July 14, 1868.

IMPROVEMENT IN DETACHABLE MUZZLE FOR SHOT-GUNS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, SYLVESTER H. ROPER, of Roxbury, in the county of Norfolk, and State of Massachusetts, have invented a new and useful Improvement in Shot-Guns; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

It is well known that some shot-guns will scatter the shot much more than others of the same calibre. I have discovered, by repeated experiments, that the scatter of the gun depends mainly upon the shape of the extreme end of the barrel or the muzzle, and that the same gun may be made to scatter or shoot close, by expanding or contracting the muzzle. It is well known to sportsmen that, in some kinds of shooting, it is desirable to have the gun scatter its shot more widely than in other kinds.

The object of my invention is to produce a gun which may be easily and readily converted into a close-shooting or scattering-piece, as circumstances may require; and it consists in providing an attachable and detachable muzzle, to vary the scatter of the shot, by attaching it to or detaching it from the end of the barrel.

In the accompanying drawing, A represents the muzzle-end of the barrel of a shot-gun, and B the detachable muzzle, which is connected with the main barrel at *x* by a screw-joint. Said detachable muzzle is slightly contracted at its forward end, and, when attached to the gun, will have the effect of causing it to throw the shot more compactly than when it is removed.

It is manifest that this improvement may be applied to old guns as well as to new, it being only necessary to cut a male screw on the end of the barrel to fit the female screw of the detachable muzzle.

I do not broadly claim a tapering muzzle-piece for guns, for the purpose of concentrating the shot in its flight from the gun; but

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

A contracted ring or ferrule, substantially as described, attachable to and detachable from the muzzle of a shot-gun by means of a screw-joint, for the purpose of diminishing or increasing the scatter of the shot, substantially as shown and described.

SYLVESTER H. ROPER.

Witnesses:

JOHN DALEY,  
SABIN TRAVERS.