

W. Somerville,

Syringe.

N^o 17,000.

Patented Apr. 7, 1857.

Fig. 1

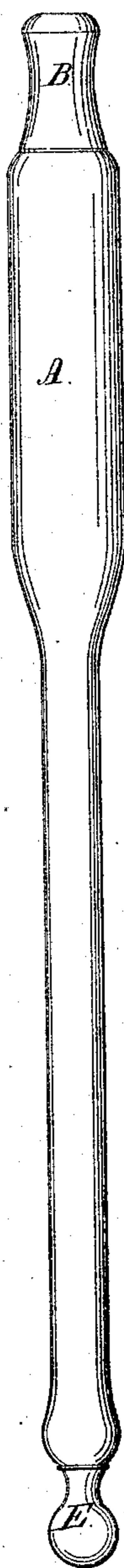
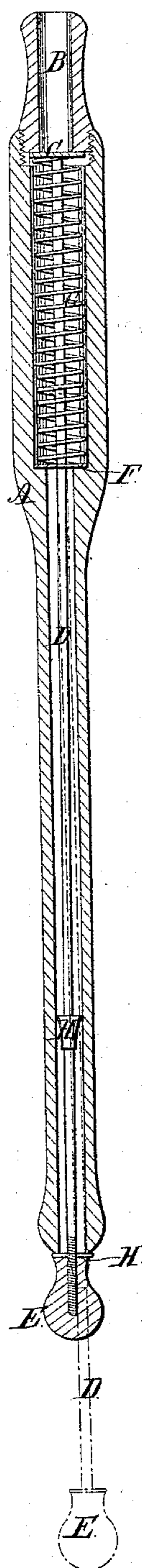


Fig. 2



Witnesses.

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WM. SOMERVILLE, OF BUFFALO, NEW YORK.

VETERINARY SYRINGE.

Specification of Letters Patent No. 17,000, dated April 7, 1857.

To all whom it may concern:

Be it known that I, WILLIAM SOMERVILLE, of Buffalo, in the county of Erie and State of New York, have invented certain Improvements in Syringes for Giving Medicine to Horses and for other Purposes, which I have described in the following specification and illustrated in the accompanying drawing with sufficient clearness to enable others of competent skill to make and use my invention.

I call my improved instrument Somerville's spring ball gun and injection pipe.

My invention consists in providing the plunger with a spring and catch as hereinafter set forth, by which the efficiency of the instrument is much increased.

In the accompanying drawings Figure 1 is a plan of my improved instrument, Fig 2 is a sectional plan of the same thing.

A is the body of the syringe. If made of metal it may be of course made lighter than it is here represented. The end next to the handle is extended as represented to make it convenient to operate and also to form a seat for the catch on the piston rod to rest upon. This body A terminates at the other end in a nozzle or injecting pipe B which should be removed, when dry or pasty medicine is to be given, by unscrewing it from the part A.

C is the piston.

D is the piston rod.

E is a handle attached to the piston rod to operate it.

F is a plate through which the piston rod passes, and which fits against a shoulder in the body of the instrument.

G is a spiral spring which forces the plunger forward to expel the contents of the syringe.

The dose of medicine having been drawn or otherwise introduced into the syringe, the plunger is fastened back, so as not to expel it, by hooking the catch H upon the end of the body of the syringe, as shown in red lines in Fig. 2. The syringe being thus prepared is introduced into the mouth of the horse and as soon as the surgeon has succeeded in placing it in the proper position, he presses his thumb against the catch and releases it and the medicine is immediately forced into the throat of the animal, and that too without using more than one hand to operate the instrument; thus leaving the surgeon one hand to hold the horse, which enables him to dispense in most cases with the services of an assistant.

I claim—

Providing the syringe with the spring and catch described or their equivalent in the manner and for the purpose set forth.

WM. SOMERVILLE.

Witnesses:

J. H. JENNINGS,
R. SOMERVILLE.