

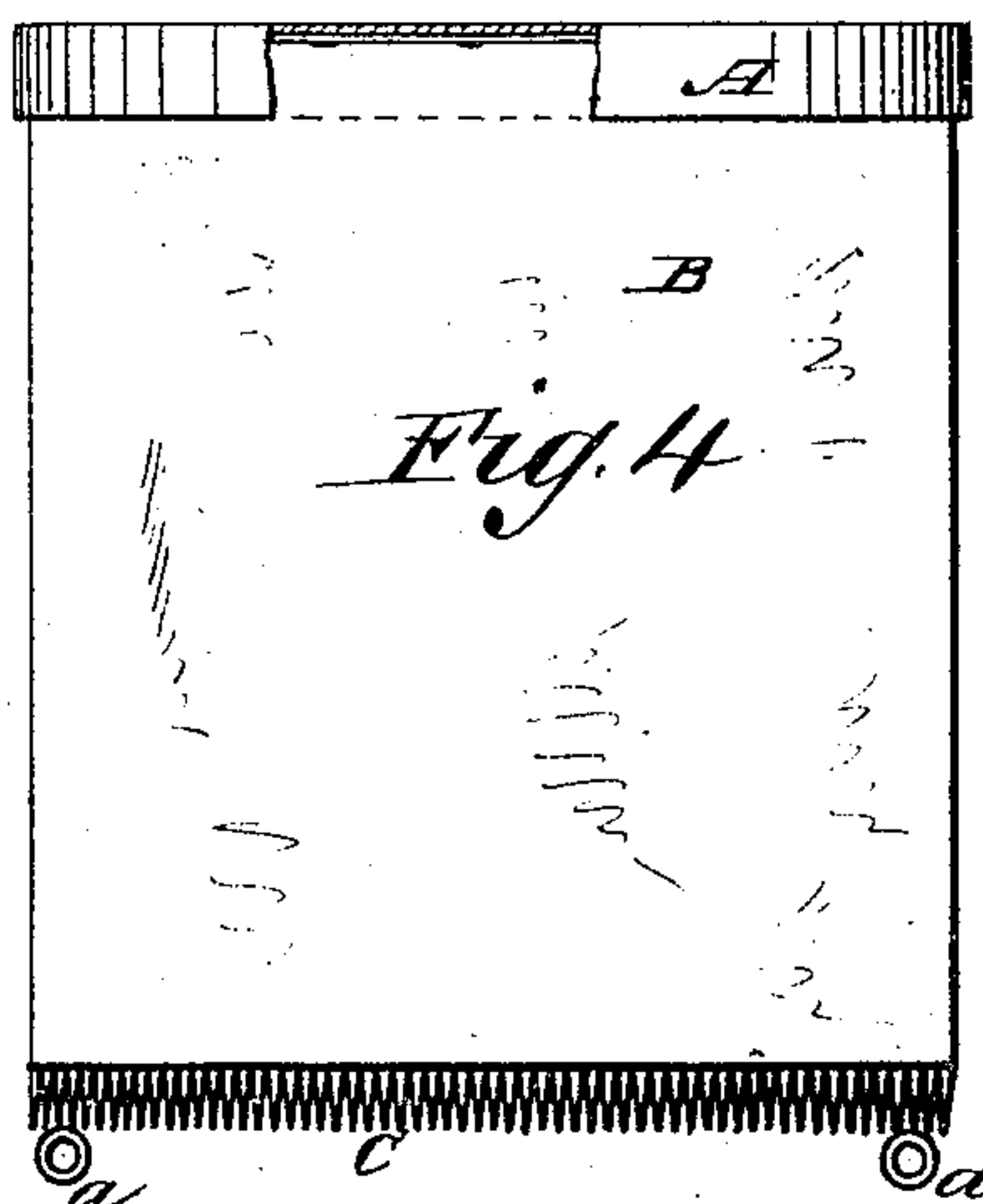
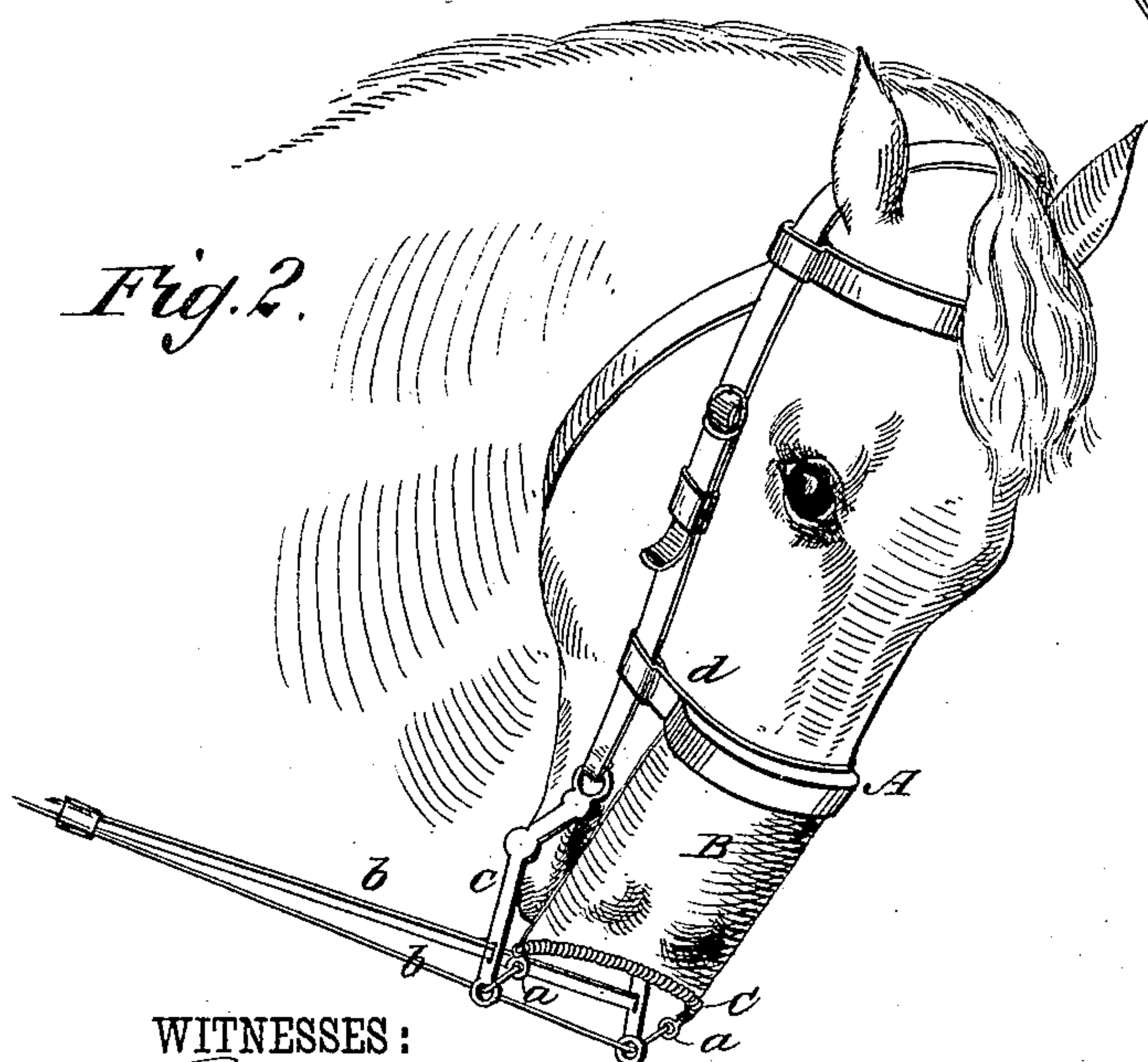
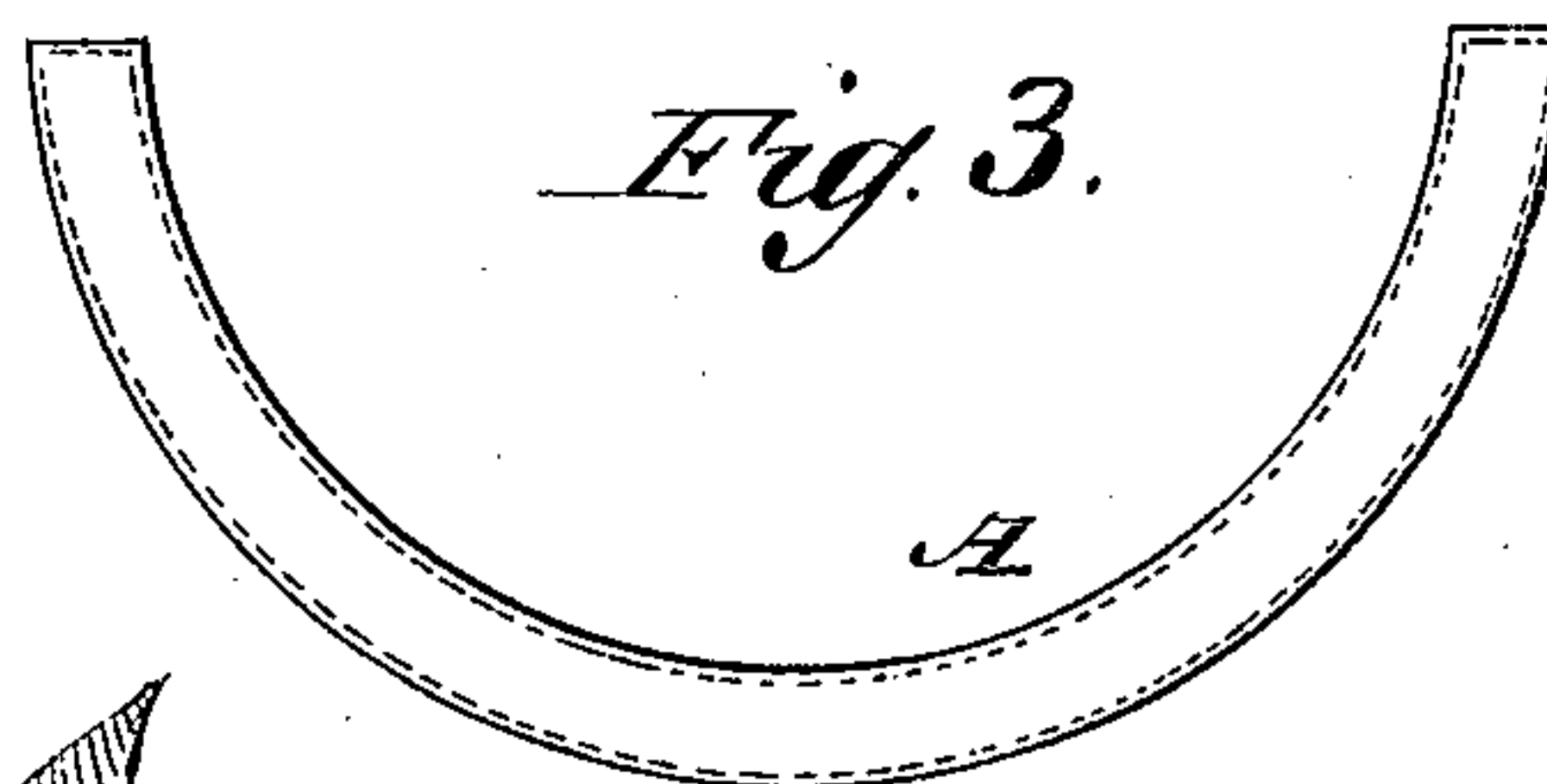
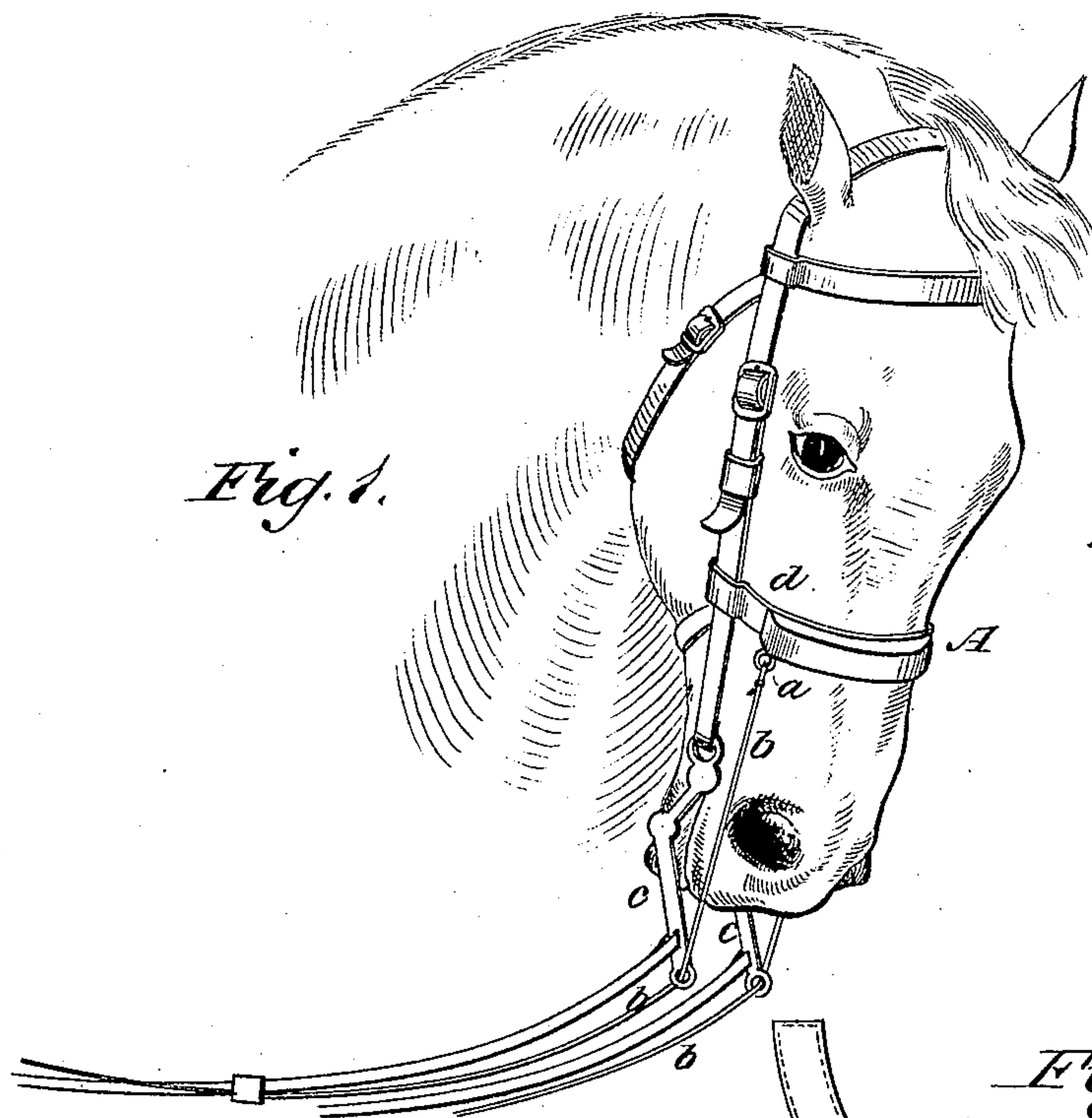
(No Model.)

G. VILLAR.

DEVICE FOR STOPPING HORSES.

No. 249,123.

Patented Nov. 1, 1881.



WITNESSES :

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UNITED STATES PATENT OFFICE.

GUMERSINDO VILLAR, OF SANTANDER, SPAIN.

DEVICE FOR STOPPING HORSES.

SPECIFICATION forming part of Letters Patent No. 249,123, dated November 1, 1881.

Application filed September 8, 1881. (No model.)

To all whom it may concern:

Be it known that I, GUMERSINDO VILLAR, of Santander, Spain, have invented a new and useful Improvement in Devices for Stopping
5 Horses, of which the following is a full, clear, and exact description.

My invention has for its object to furnish means whereby runaway horses can be readily and quickly controlled.

10 The nature of the invention consists in the application of a device for closing the nostrils of the animal more or less when required, the device used being a curtain, fitted as hereinafter described and claimed.

15 In the accompanying drawings, Figure 1 is a perspective view, showing the invention as applied to a horse and out of use. Fig. 2 is a similar view with the curtain drawn down into the position of use. Fig. 3 is a top view of the
20 box for retaining the curtain, and Fig. 4 is a front view of the complete apparatus.

Similar letters of reference indicate corresponding parts.

25 In the drawings, A is a metallic box, of semi-circular form, attached firmly to the front or nose strap, *d*, of the bridle, as shown in Figs. 1 and 2. This box is open at the under side, and is of suitable size for containing the curtain and spring, next described.

30 B is the curtain, of silk stuff or other material of suitable strength and flexibility, fastened to the inner side and upper part of box A at one end.

35 C is a spiral spring, slightly longer than the box A, and of a diameter for entering the box freely. The ends of the spring are provided with rings *a a*, to which cords *b*, of silk or other material, are attached. The cords pass through
40 eyes in the ends of the bit-levers *c* and through other suitable rings and guides to a position where they are in reach of the rider or driver.

45 The curtain B and spring C are contained in the box A when not required for use in controlling the horse. To secure them in the box the curtain is gathered and the spring bent to the semi-circular form and pushed in. The

elasticity of the spring will give the friction required to retain the spring and curtain in place. To release the curtain it is only necessary to give a slight pull on the cords *b*, which
50 will draw out the spring and the spring and curtain will fall in front of the animal's nostrils. Then by drawing on the cords the curtain will be closed over the nostrils and respiration checked partially or wholly, as required. 55

With this device a runaway horse can be controlled with ease, and brought gradually to a stop. The spring, being flexible, will bend, so that the curtain can adapt itself perfectly to the fleshy part of the horse's nose, and by
60 application of sufficient pressure respiration will be entirely stopped.

The invention can be applied to either saddle or draft horses, and requires no changes in the usual gear. 65

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An improved device for stopping horses consisting of a curtain arranged in a box secured to the nose-strap of a bridle, and adapted to be drawn down over the horse's nostrils
70 by cords passing through eyes in the ends of the bit-levers, substantially as and for the purpose set forth.

2. The combination, with the box A, secured to the nose-strap of a bridle, and the operating-cords *b*, of the curtain B, provided with the spiral spring C at its lower edge, substantially
75 as and for the purpose set forth.

3. The combination, with the box A and the curtain B, of the spiral spring C, slightly longer than the said box, substantially as and for the purpose set forth. 80

4. The combination of the nose-strap *d*, box A, curtain B, spring C, provided with rings *a*,
85 cords *b*, and bit-levers *c*, substantially as shown and described.

GUMERSINDO VILLAR.

Witnesses:

LORENZO BLANCHARD,
ANTONIO HIGUERA.