

(No Model.)

W. SELLERS.
CAMPAIGN HORN.

No. 455,671.

Patented July 7, 1891.

Fig. 1.

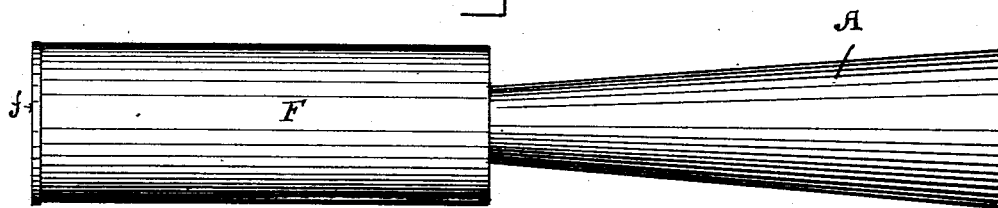


Fig. 2.

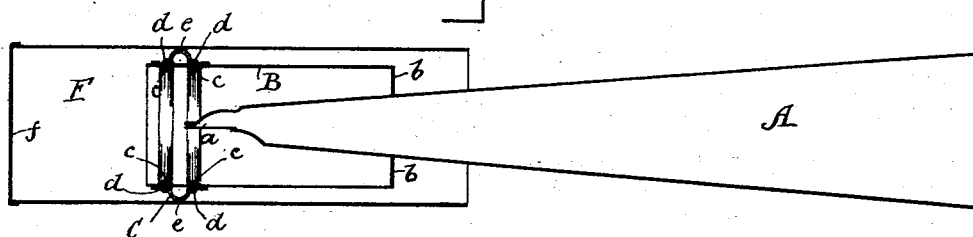


Fig. 3.

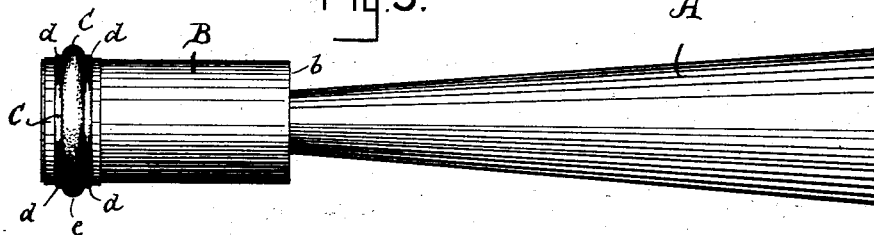
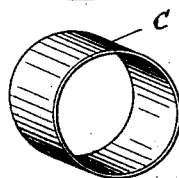


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM SELLERS, OF HAVERHILL, ASSIGNOR TO THE PEABODY WHITTNEY COMPANY, OF BOSTON, MASSACHUSETTS.

CAMPAIGN-HORN.

SPECIFICATION forming part of Letters Patent No. 455,671, dated July 7, 1891.

Application filed March 13, 1891. Serial No. 384,945. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SELLERS, a citizen of the United States, residing at Haverhill, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Campaign-Horns; of which the following, taken in connection with the accompanying drawings, is a specification.

10 The object of my invention is to produce a campaign-horn that can be operated by hand so as to produce long or short intermittent sounds.

The invention consists of a horn to the outside of which is secured a short metal cylinder that extends a short distance over the mouth-piece, the outer end of said cylinder being formed with two half-round circumferential grooves, to which is secured an elastic packing and an outer cylinder of larger diameter than the cylinder on the horn, which works in said outer cylinder, an air-tight joint being formed between the two cylinders by the elastic packing, as hereinafter fully described, and pointed out in the claims.

Referring to the accompanying drawings, Figure 1 represents a side view of a campaign-horn embodying my invention. Fig. 2 is a longitudinal section through the same. 30 Fig. 3 is a side view of the horn, its cylinder, and elastic packing. Fig. 4 is a view of the elastic packing before it is secured in position.

A represents the horn, to which is secured a cylinder B, closed at its end *b*, where it is secured to the horn. Said cylinder extends a short distance over the mouth-piece *a* to protect the same. The outer end of this cylinder is formed with two circumferential grooves *c*, to which an elastic ring C is secured by two cords or wires *d d*. This elastic ring is first secured by one of the cords or wires *d* and is then pushed on the cylinder B until its central portion projects in a semicircle *e*, as shown, (see Figs. 2 and 3,) when its outer end is secured by the other cord or wire *d*.

F is an outer cylinder closed at one end *f*. The diameter of this cylinder is greater than

the cylinder B and just that or slightly smaller than the projecting portion *e* of the elastic packing C. The cylinder B is inserted into the cylinder F, and the elastic packing *e* forms an air-tight joint between the two.

To operate the horn, the horn A is held in one hand and the cylinder F in the other. Then by drawing the cylinder B nearly out of the cylinder F air is drawn into the cylinder F through the horn A. Now by forcing the cylinder B back into the cylinder F the air is compressed and is forced through the reed or mouth-piece *a* of the horn, thereby producing sound, the air being compelled to pass through the said reed or mouth-piece, as it cannot escape between the two cylinders by reason of the elastic packing on the cylinder B.

What I claim as my invention is—

1. The horn A, having the cylinder B secured thereto, the end of said cylinder being formed with two circumferential grooves *c c*, the elastic packing C, secured thereto by cords or wires *d d* and projecting in a semicircle beyond the sides of said cylinder, and an outer cylinder F, closed at one end *f*, the cylinder B working in the cylinder F, and the packing C forming an air-tight joint between the two cylinders, substantially as set forth.

2. The ring C, of suitable elastic material, in combination with a horn having a cylinder attached thereto and free to slide in an outer cylinder, the said ring being secured to the end of the inner cylinder and projecting in a semicircle, so as to form an air-tight joint between the two cylinders, substantially as shown and described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 2d day of March, A. D. 1891.

WILLIAM SELLERS.

Witnesses:

CHAS. STEERE,
EDWIN PLANTA.