

F. M. Schaeffer,
Owner.

No. 93233.

Patented Aug. 3. 1869.

Fig. 1.

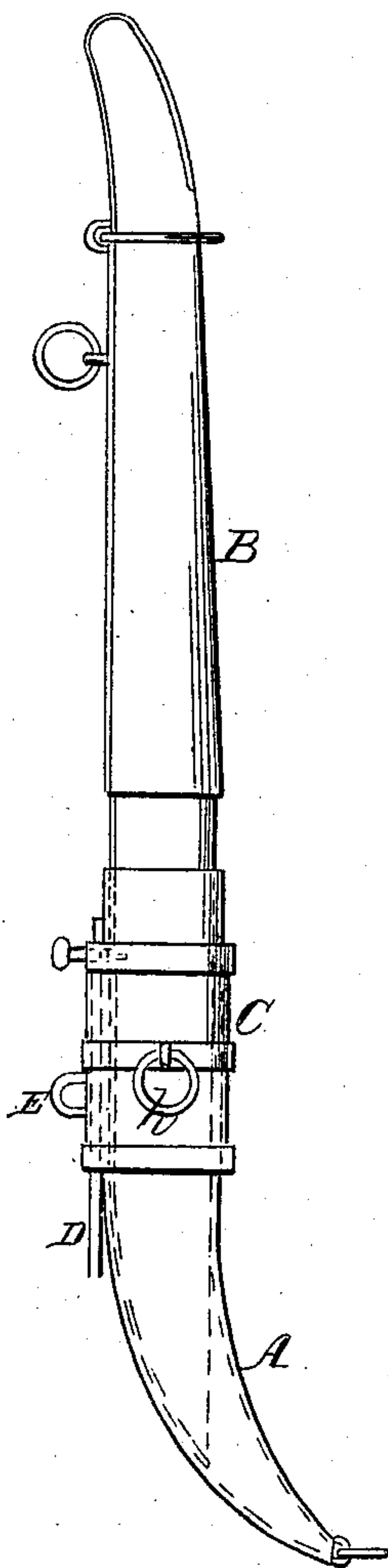
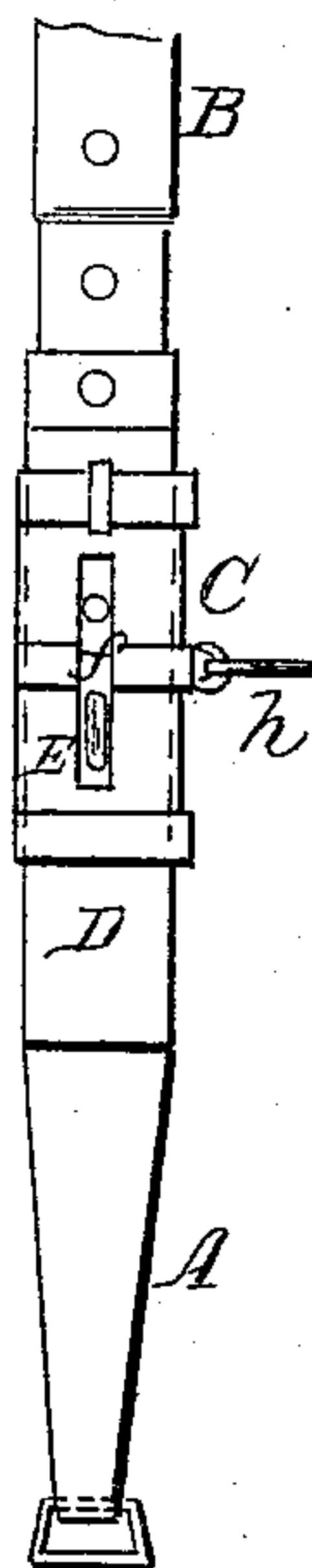


Fig. 2.



Witnesses:

Winchman
Irish Brooks

Inventor:

F. M. Schaeffer

PER

Attorneys.

Wm. H. [Signature]

United States Patent Office.

F. M. SCHAEFFER, OF BLOOMING GROVE, KANSAS.

Letters Patent No. 93,233, dated August 3, 1869.

IMPROVEMENT IN EXTENSION-HAMES.

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, F. M. SCHAEFFER, of Blooming Grove, in the county of Linn, and State of Kansas, have invented a new and useful Improvement in Extension-Hames; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in hames for horses' harness; and consists in so constructing them that they may be extended and thereby made to fit different-sized horses, and also so as to change the place of draught or strain upon the horse's breast, as will hereinafter be more fully described.

In the accompanying plate of drawings—

Figure 1 represents a side view of the hames, somewhat extended, as when in use.

Figure 2 is an edge view, showing the method of extending and fastening the parts together in any desired position.

Similar letters of reference indicate corresponding parts.

These hames are made in three longitudinal sections.

A is the lower curved portion, being a metallic socket or sheath for receiving the upper portion B, which portion may be made of either wood or metal, or both combined.

C is a sleeve, which slides over A, with an adjustable staple-plate, D, confined beneath its edge, and in contact with the outer edge of A, as seen in fig. 1.

E is the staple, which is permanently attached to

the plate, and projects through a slot, *f*, in the sleeve, as seen in fig. 2, so that its position may be changed without extending or contracting the hames.

The parts A B of the hames, and also the staple-plate D are pierced with a series of holes, which register with each other.

Screw-threads are cut in the holes in the staple-plate, and a thumb-screw, *g*, is provided to fit the holes, the end of which screw passes through the socket A, and into the part B, thus holding them securely together in any position in which they may be placed within the limits of the aforesaid holes.

It will be seen that the parts A B may be extended as far as can be desired, and fastened in any one position, and that the staple E and sleeve C, with the ring *h*, may be moved, if desired, without disturbing the main portion of the hames.

The advantages of this method of constructing hames are many, and must be obvious to all.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The parts A, B, and C, constructed, combined, arranged, and operating substantially as and for the purposes herein shown and described.

2. The adjustable staple E and sleeve C, carrying the ring *h*, or either of them, in combination with an extension-hames, substantially as described, for the purpose specified.

F. M. SCHAEFFER.

Witnesses:

JOSEPH RICHARDS,

JAMES F. CRUM.