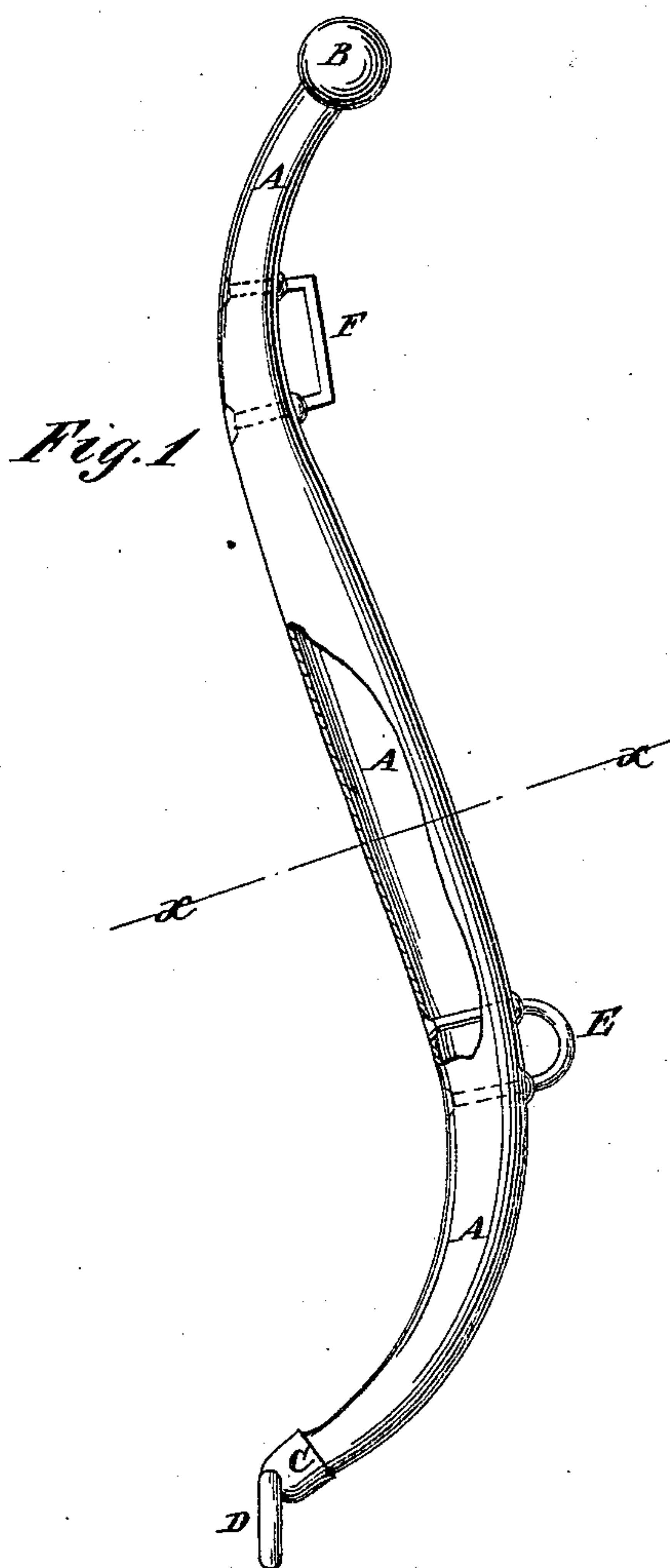


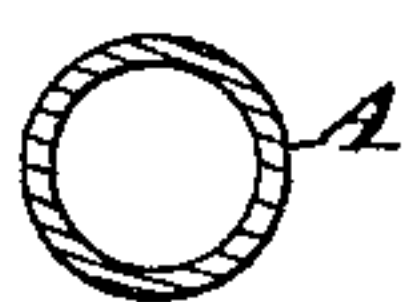
**P. HAYDEN.**  
**Hames for Harness.**

No. 147,128.

Patented Feb. 3. 1874.



*Fig. 2*



**Witnesses:**  
*A. W. Almquist*  
*Sedquist*

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*P. Hayden*  
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# UNITED STATES PATENT OFFICE.

PETER HAYDEN, OF NEW YORK, N. Y.

## IMPROVEMENT IN HAMES FOR HARNESS.

Specification forming part of Letters Patent No. **147,128**, dated February 3, 1874; application filed June 28, 1873.

*To all whom it may concern:*

Be it known that I, PETER HAYDEN, of the city, county, and State of New York, have invented a new and useful Improvement in Hames, of which the following is a specification:

Figure 1 is a side view of one of my improved hames, part being broken away to show the construction. Fig. 2 is a cross-section of the same, taken through the line *x x*, Fig. 1.

My invention has for its object to furnish improved metallic hames for harness which shall be simple in construction, inexpensive in manufacture, light, strong, and durable. The invention consists, first, in a hame composed of a seamless metallic tube or pipe; and, second, in combining therewith wood or filling of equivalent material.

A represents one of my improved hames, which is made out of a metallic tube or pipe without a seam. The tube A may be a piece of an ordinary gas-pipe, or a tube made expressly for the purpose. The upper and lower parts of the tube A are drawn a little to make them slightly tapering, leaving a swell in the middle, and are bent to give them the required form. The upper end of the hame may be provided with a knob or other ornamental cap, B, and its lower end is provided with a cap, C, to which is pivoted the loop D for the breast-strap. E is the hame-tug loop, and F is the neck-strap loop. The arms of the loops E F

are passed through holes formed in the hame A, and their ends are riveted.

The seamless tubular hame A may be filled with wood or other suitable material, or may be without filling, as may be desired.

If desired, one or more of the sides of the seamless tubular hame A may be flattened to rest against the body, or the body and roll of the collar.

By thus first forming a tube, as described, and then drawing out such tube to the proper form, a hame is produced which is tubular, and at same time seamless, thereby giving greater strength with less weight of metal, and also admitting of greater economy in its manufacture.

The filling of this hame with wood or equivalent material is optional, not necessary, because the hame-tube is seamless, and, in itself, affords sufficient strength.

I claim—

1. A seamless metallic tubular hame, drawn so as to taper at the ends and leave a swell in the middle, substantially as described.

2. A seamless metallic tubular hame, drawn so as to taper at the ends and leave a swell in the middle, in combination with wood or equivalent filling, substantially as described.

PETER HAYDEN.

Witnesses:

JAMES T. GRAHAM,  
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