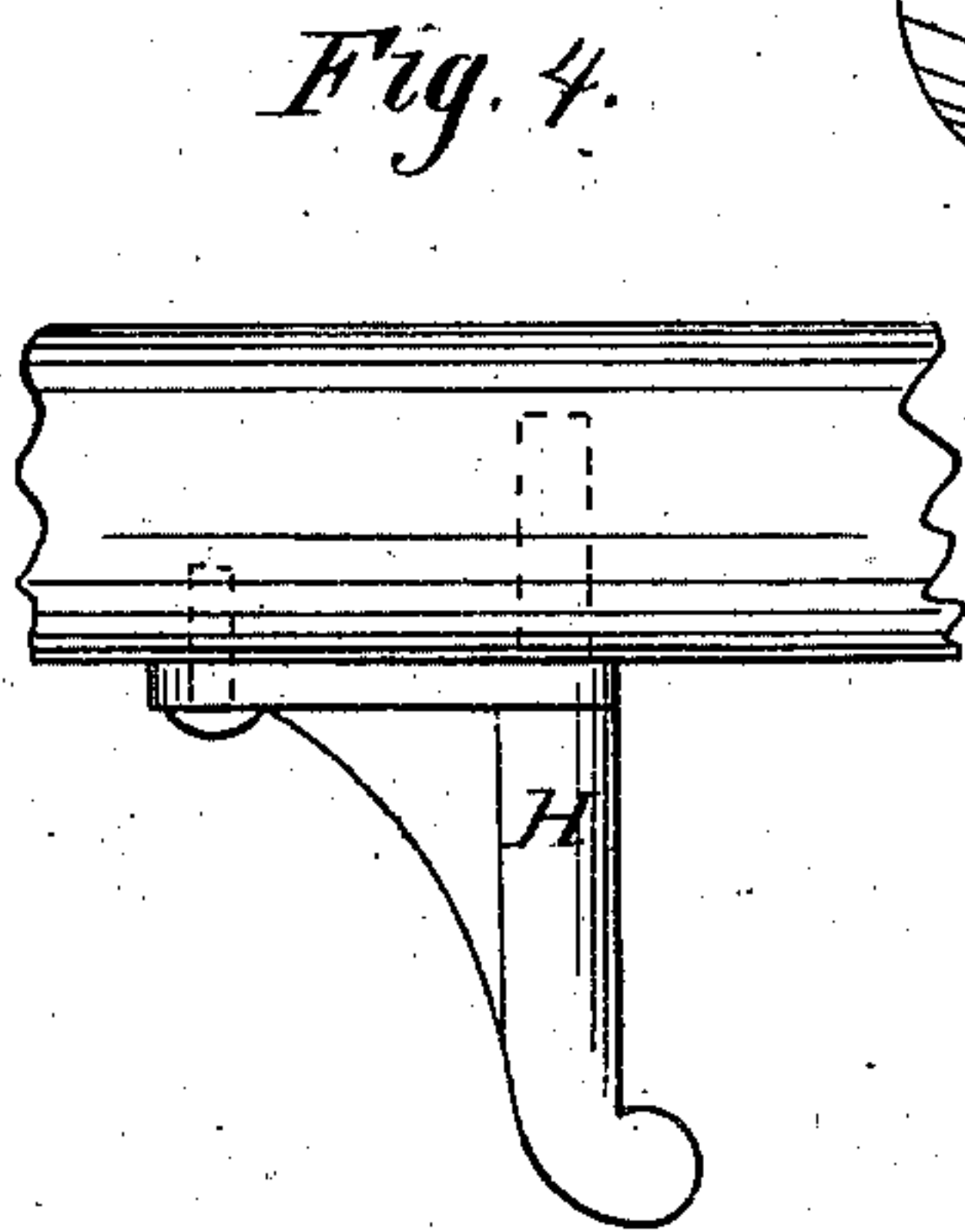
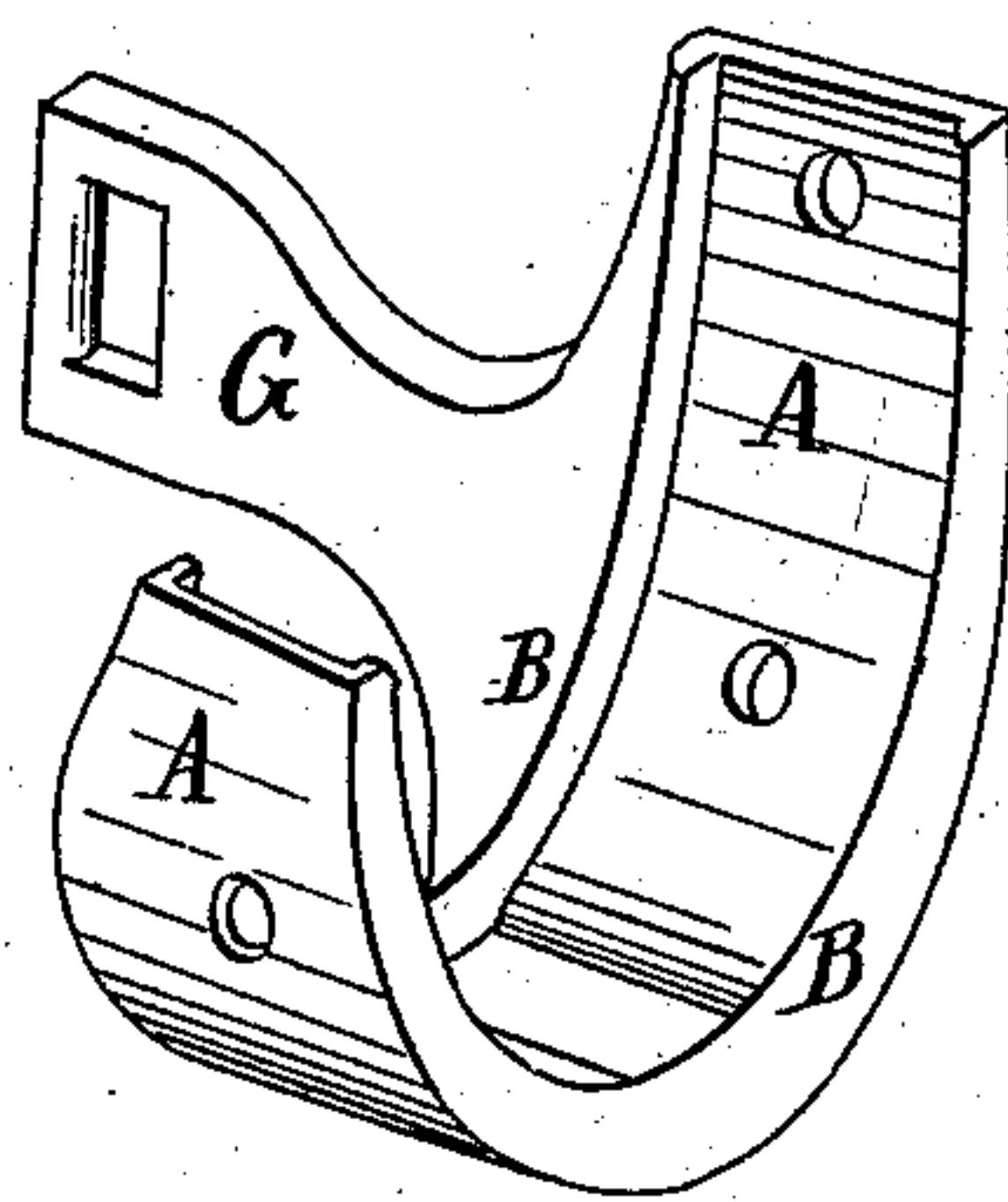
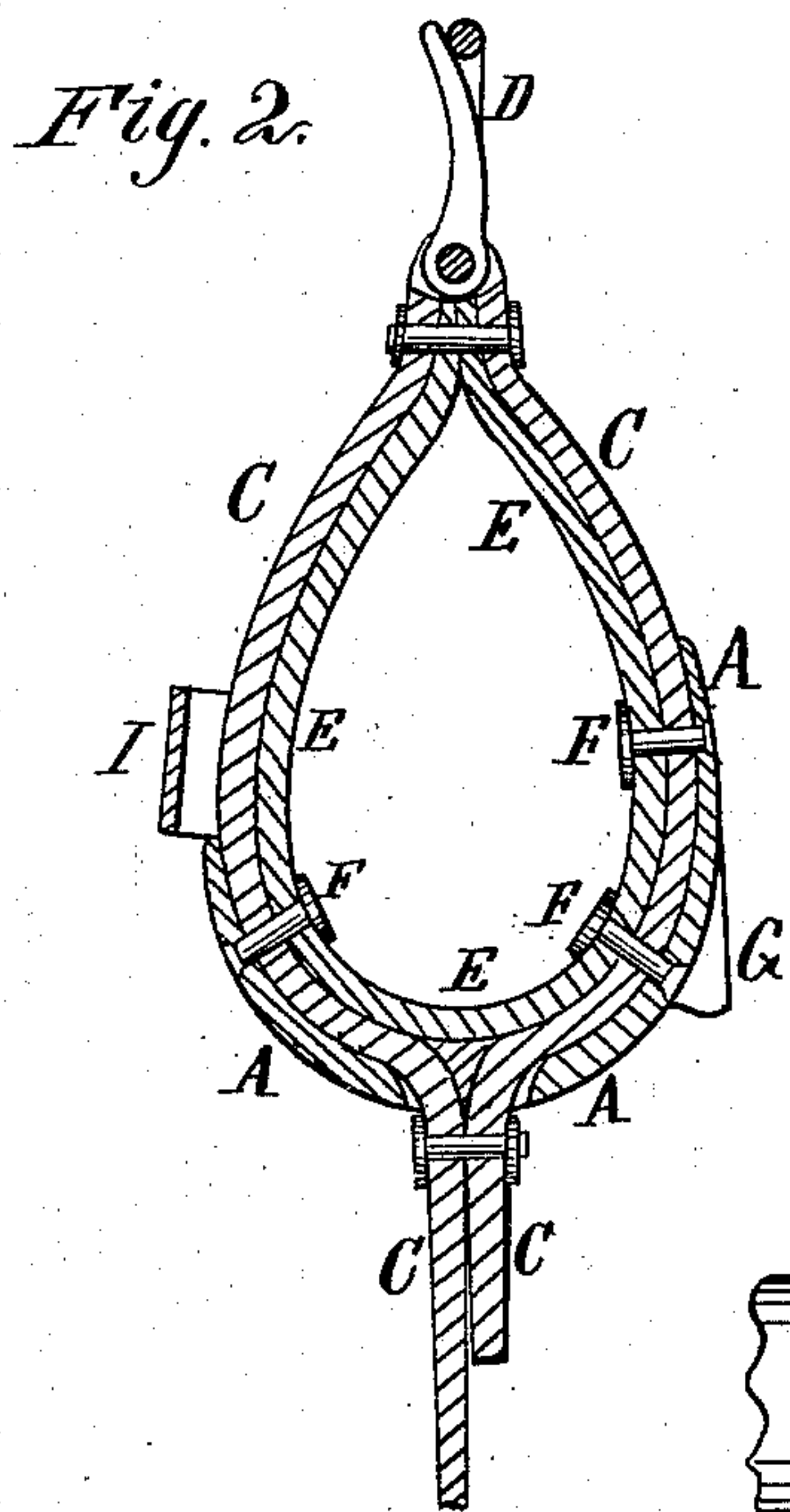
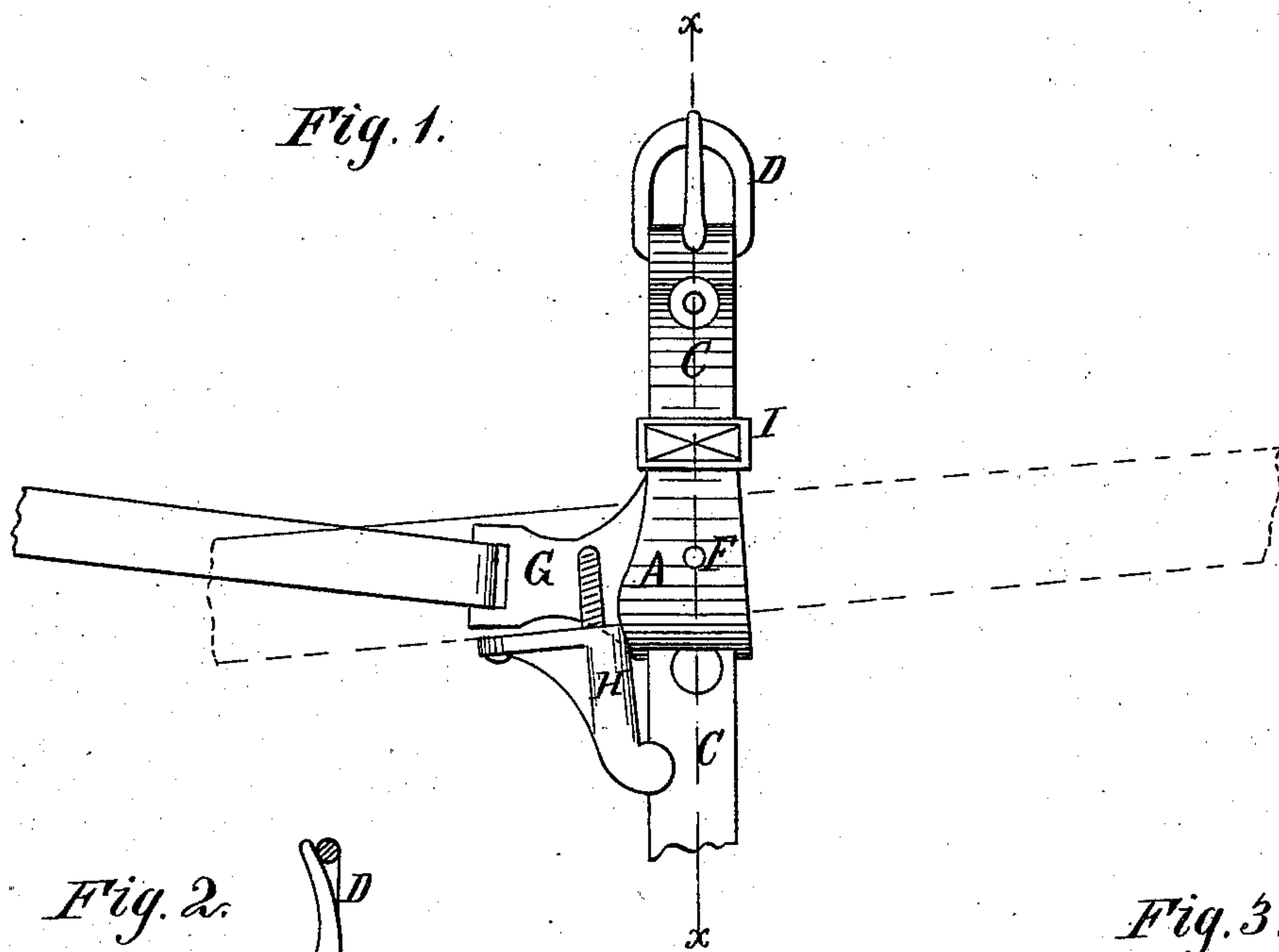


J. KNIGHT & H. HILLIARD.
Holdback for Harness.

No. 224,926.

Patented Feb. 24, 1880.



WITNESSES:
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C. Sedgwick

INVENTOR:
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UNITED STATES PATENT OFFICE.

JOSHUA KNIGHT AND HEDDLE HILLIARD, OF MUSQUASH PARISH, NEW
BRUNSWICK, CANADA.

HOLDBACK FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 224,926, dated February 24, 1880.

Application filed October 15, 1879.

To all whom it may concern:

Be it known that we, JOSHUA KNIGHT and HEDDLE HILLIARD, of Musquash parish, St. John county, Province of New Brunswick, Dominion of Canada, have invented a new Improvement in Holdbacks for Harness, of which the following is a specification.

Figure 1 is a side elevation of our improvement. Fig. 2 is a sectional elevation taken through the line *x x*, Fig. 1. Fig. 3 is a perspective view of the metal shell. Fig. 4 is a side elevation of the thill-hook.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish holdbacks for harness, so constructed as to sustain the wear and pressure of the thill-hooks without injury.

The invention consists in forming holdbacks by the combination of curved metal plates or shells made with flanges upon their side edges, slots in their lower parts, and rearwardly-projecting slotted arms, and leather straps to adapt the holdbacks to stand the wear and pressure of the thill-hooks, as will be hereinafter fully described.

A represents a metal plate or shell, which is curved into suitable shape to receive a thill, and has inwardly-projecting flanges B formed along its side edges, to form a seat for the strap C. In the lower part of the shell A is formed a transverse slot for the ends of the strap C to pass through. One end of the strap C is extended, to be connected with the belly-band. To the upper part of the loop of the strap C is

attached a buckle, D, for connecting the holdback with the harness-saddle. Within the strap C is placed a strap, E, to receive the wear of the thill.

The shell A is connected with the straps C E by metal rivets F. Upon the rear edge of the inner part of the shell A is formed a rearwardly-projecting arm, G, which has a cross-slot in its rear end to receive the breeching-strap.

When in use the rear edge of the shell A rests against the hook H, attached to the thill, and thus sustains the forward pressure of the wagon.

The part of the shell A that rests against the hook H may be slightly concaved to keep it in place upon the said hook.

To the strap C, upon the outer side of the holdback, is attached a keeper, I, to receive the end of the saddle-strap.

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

As an improved article of manufacture, a holdback formed by the combination of the curved metal plate or shell A, made with flanges B upon its side edges, a slot in its lower part, and a rearwardly-projecting slotted arm, G, and the leather straps C E, substantially as herein shown and described.

JOSHUA KNIGHT.

HEDDLE HILLIARD.

Witnesses:

R. McLEOD,

WM. A. EWING.