

(No Model.)

M. PAYNE.
SULKY SHAFT.

No. 270,838.

Patented Jan. 16, 1883.

Fig. 1.

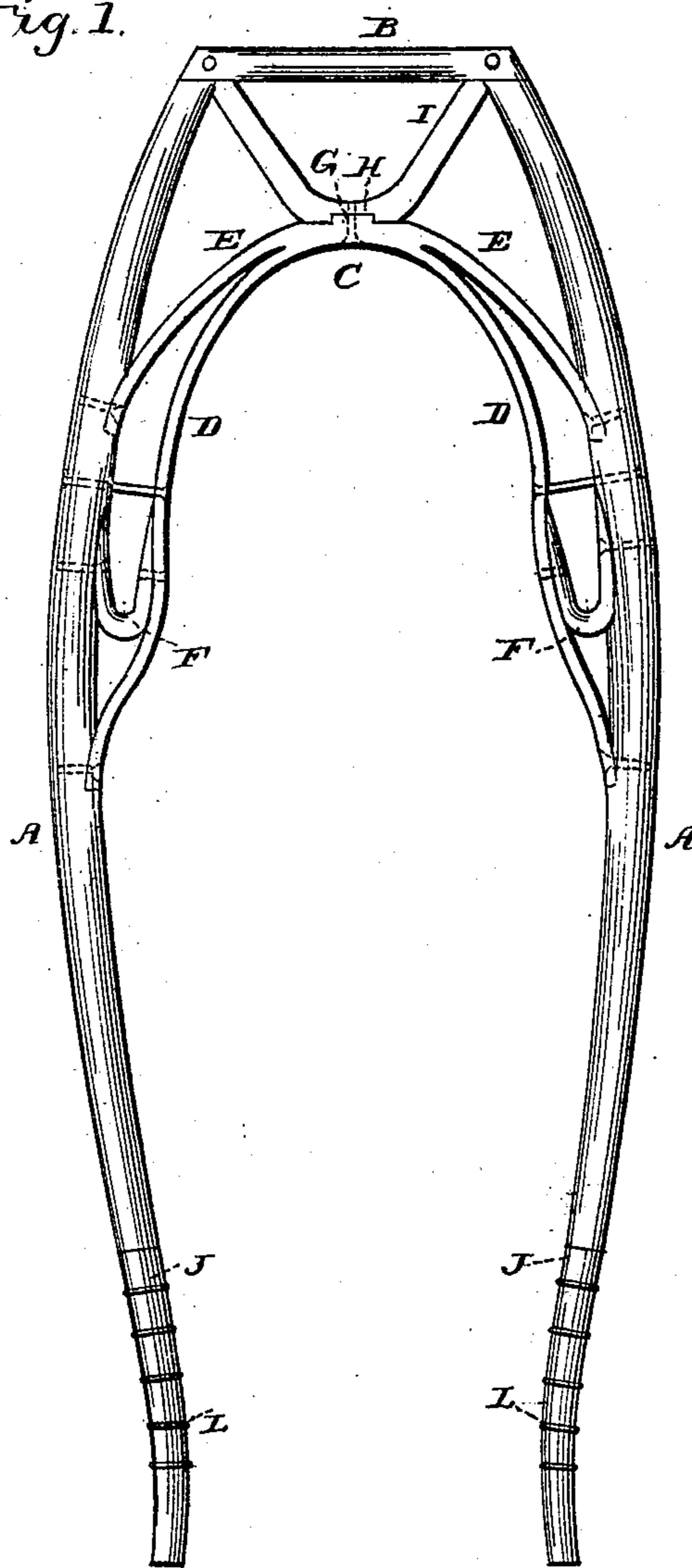
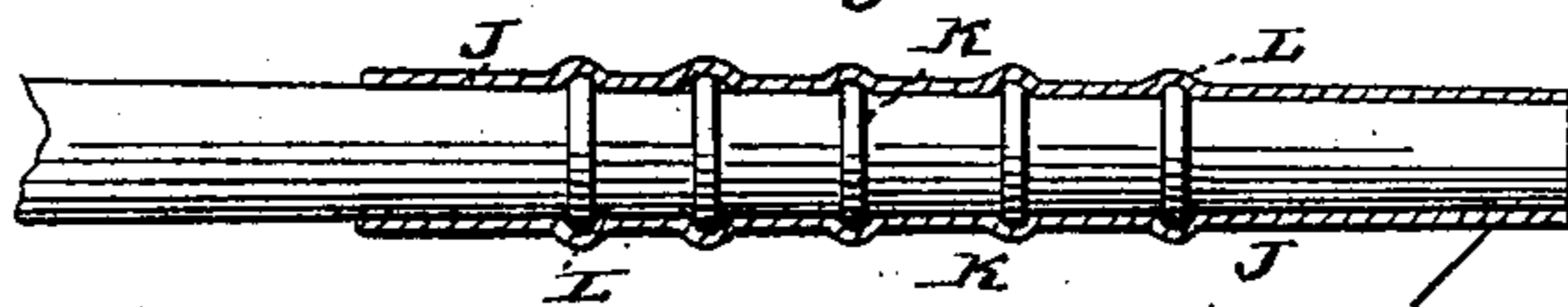


Fig 2.



WITNESSES:

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MARTIN PAYNE, OF TROY, NEW YORK.

SULKY-SHAFTS.

SPECIFICATION forming part of Letters Patent No. 270,838, dated January 16, 1883.

Application filed October 28, 1882. (No model.)

To all whom it may concern:

Be it known that I, MARTIN PAYNE, of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful
5 Improvements in Sulky-Shafts; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings,
10 which form a part of this specification, and in which—

Figure 1 is a plan view of my improved sulky frame and shafts, and Fig. 2 is a longitudinal sectional view of the end of one of the
15 shafts.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to frames and
20 shafts for sulkies; and it consists in the improved construction of parts of the same, as will be hereinafter more fully described and claimed.

In the accompanying drawings, the letters
25 A A indicate the two shafts of a sulky. At their rear ends they are connected by a cross-piece, B.

C is the circle-bar, the ends of which are split in a longer piece, D, which is bolted to
30 the shaft in front of the axle, and a shorter piece, E, which is bolted nearly over the axle.

Between the longer pieces, D, and the shafts are the stirrups F, bolted to the shafts and the pieces D.

35 The circle-bar has at the middle and pointing rearward a tongue or projection, G, which fits into a groove, H, in a brace-bar, I, so as to prevent lateral play of the circle-bar.

The brace-bar I is bolted at both ends to the rear ends of the shafts, and bent to form an
40 arch having the groove H in its center, and the circle-bar and the brace-bar are, for further security, bolted together, holding the tongue G firmly in place.

At their outer ends the shafts are provided
45 with sleeves of leather, J, under which are strips of leather, K, wound around the shafts at intervals, forming ridges L, which prevent the tug-loops from sliding on the shafts.

Having thus described my invention, I claim
50 and desire to secure by Letters Patent of the United States—

1. In a sulky-frame, the circle-bar C, split at both ends into a long part, D, and a short part, E, bolted to the shafts in front of the axle, and
55 provided with a tongue, G, adapted to fit into a groove, H, on the brace-bar I, substantially as set forth.

2. The shafts A, wrapped around at intervals with strips of leather, K, and provided
60 with sleeves J, said strips forming ridges L on said sleeve, as and for the purpose set forth.

3. The sulky having shafts A, provided with sleeves J, having ridges L, circle-bar C, having tongue G and split ends D E, adapted to
65 be bolted to the shafts, and brace-bar I, having groove H, adapted to receive tongue G, substantially as and for the purpose herein shown and described.

In testimony that I claim the foregoing as
70 my own I have hereunto affixed my signature in presence of two witnesses.

MARTIN PAYNE.

Witnesses:

EDWARDS PARKINSON,
JOHN G. MARTIN.