

L. F. FISCHER.
Sleighs.

No. 152,354.

Patented June 23, 1874.

Fig. 1.

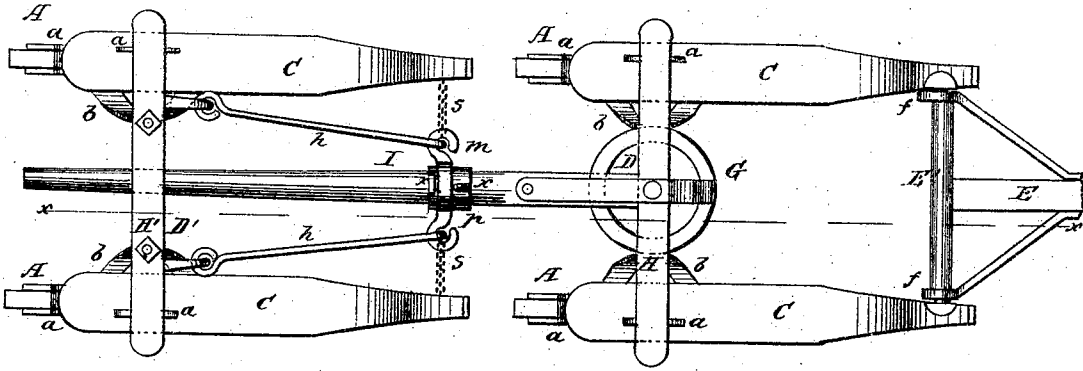


Fig. 2.

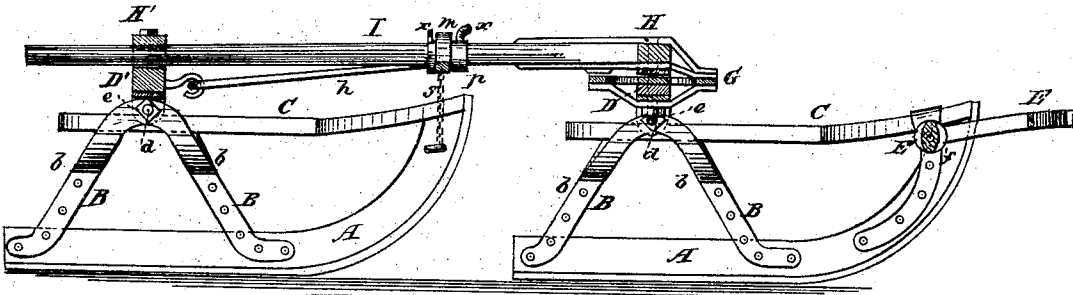


Fig. 3.

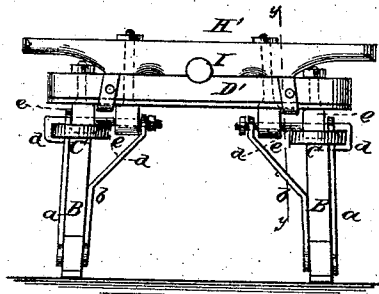
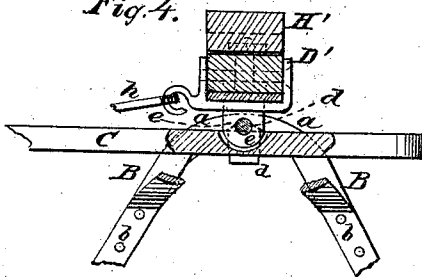


Fig. 4.



WITNESSES:

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IMPROVEMENT IN SLEIGHS.

Specification forming part of Letters Patent No. **152,354**, dated June 23, 1874; application filed September 13, 1873.

To all whom it may concern:

Be it known that I, LOUIS F. FISCHER, of Fennimore, in the county of Grant and State of Wisconsin, have invented certain new and useful Improvements in Sleighs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a sleigh, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, Fig. 2 a longitudinal section, and Fig. 3 an end view, of my sleigh. Fig. 4 is an enlarged section of a part of the same.

The four sleds are all constructed in the same manner, the description of one answering for all. A represents the runner, connected by the inclined standards B B with the top piece C, and braced on the outside by metal braces *a a*. On the inner side is a brace, *b*, bent in the center, and having the inner end of the short axle *d* passing through it, said axle being attached to the top piece C, and passing through staples or hollow sleeves *e e* attached to the hound. D represents the front hound, and D' the rear hound. E represents the tongue, attached and braced to a cross-

bar, E', which is pivoted in braces *f f*, attached to the inner sides at the front ends of the front sleds. Upon the front hound D is secured the fifth-wheel G, on which moves the front bolster H. From this bolster the reach I extends to and through the hind bolster H', which is firmly secured on the hind hound D'. The hind hound D' is, by rods *h h*, connected with a collar, *m*, placed on the reach I, said collar being located on an iron band, *p*, firmly fastened to the reach, and the collar confined on said band by pins *x x* from moving up and down on the reach, but allows it to turn around. The front end of each rod *h* is, by a chain, *s*, connected with the front end of the corresponding rear sled.

This construction of the various parts forms a strong and durable yet light sleigh, which is easily turned and not liable to upset or get out of order.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the two sleds, the rear one having rods *h h*, reach I, collar *m*, and chains *s s*, and the front one having fifth-wheel G and bolster H, all combined as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LOUIS F. FISCHER.

Witnesses:

R. N. HOSKINS,
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