(No Model.)

R. J. TALBOT.

SLEIGH.

No. 253,560. Patented Feb. 14, 1882.

Fig. 1.

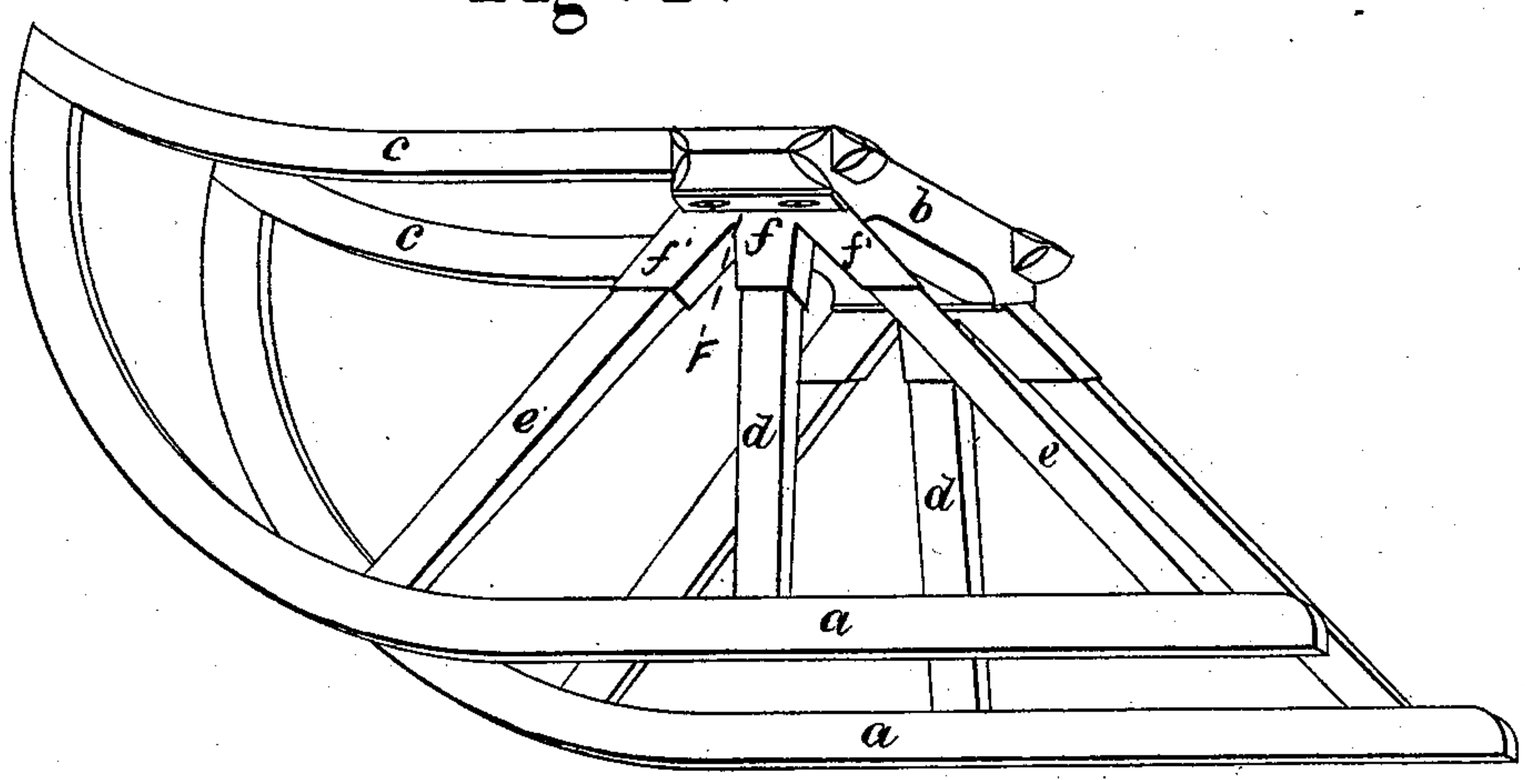


Fig. 3.

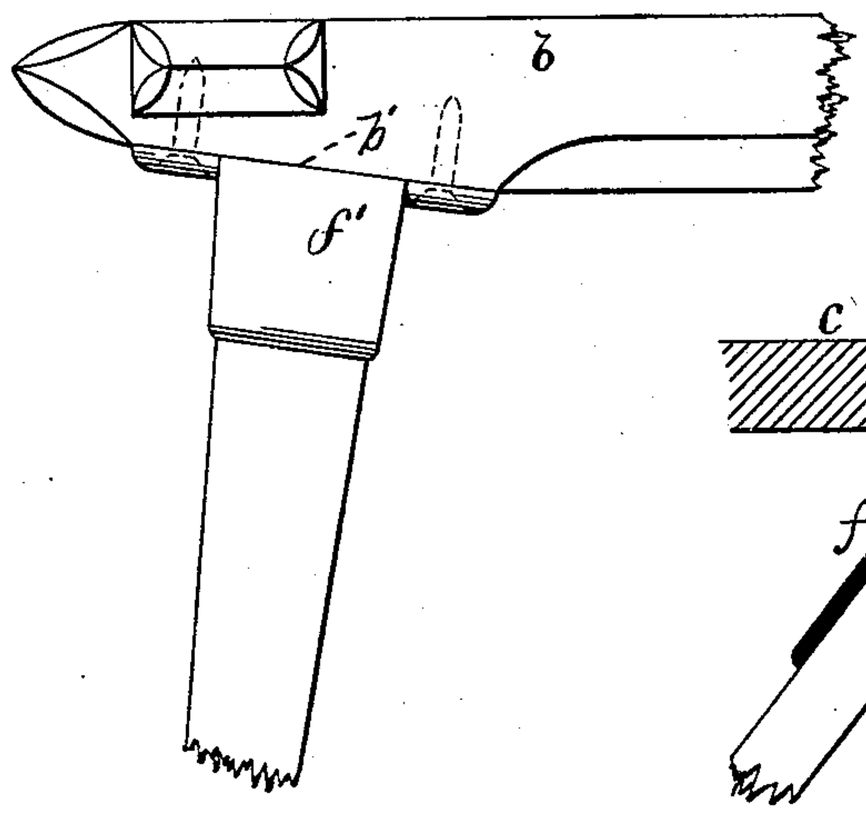
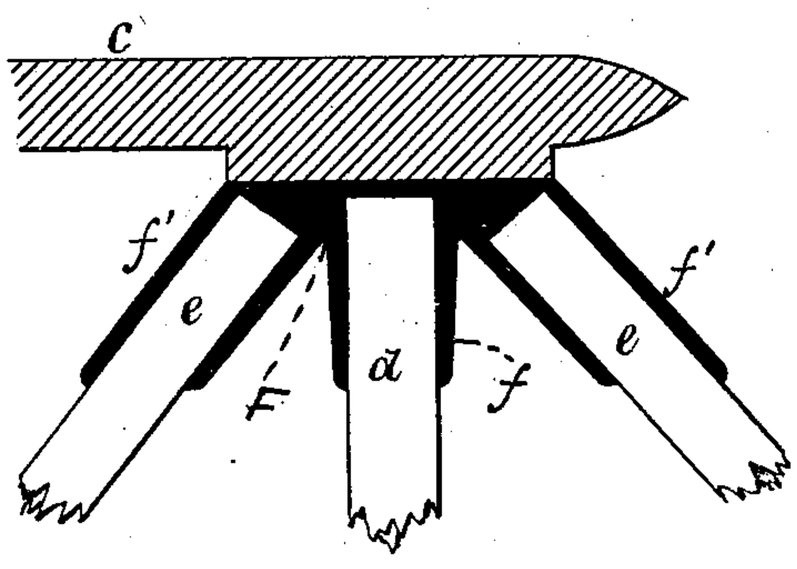


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROMUALD J. TALBOT, OF NORTH ATTLEBOROUGH, MASSACHUSETTS.

SLEIGH.

SPECIFICATION forming part of Letters Patent No. 253,560, dated February 14, 1882.

Application filed November 11, 1881. (No model.)

To all whom it may concern:

Be it known that I, ROMUALD J. TALBOT, of North Attleborough, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Sleighs; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in the construction of double heavy sleighs in which two sets of runners are used; and it consists in the peculiar construction of a thrust-block, by which the bolster is connected with the runners and firmly braced by braces inserted in the cast-metal sockets, as will be more fully set forth hereinafter.

Figure 1 is a perspective view of a pair of sleigh-runners constructed and braced after my invention. Fig. 2 is a sectional view of the cast-metal sockets secured to the bolster, and forming the thrust-blocks of the braces. Fig. 3 is an enlarged view of the end of the bolster, showing the cast-metal thrust-bearing of the braces.

In the drawings, *a a* are the curved runners.

b is the bolster on which the body or platform is supported.

c c are two braces secured to the bent ends of the runners and to the bolster.

d d are the vertical supports extending from the runners to the bolster.

e e are diagonal braces, also extending from the runners to the bolster.

F is a cast-metal thrust-block secured to the bolster, and forming deep sockets, into which the braces *d* and *e e* are inserted and firmly secured by pins or otherwise. The braces are all inclined inwardly to meet the thrust-blocks, which are secured to inclined faces *b'*, formed on the under surfaces of the end portions of the bolster. These end portions of the bolsters are made considerably thicker than the main portion, in order that the bolster may not be weakened at its ends by cutting it away to form the inclined faces for the reception of the thrust-blocks.

The whole forms a convenient and firmly-braced sleigh in which the full strength of the timber is preserved, and two of them form a strong and durable sleigh for hauling heavy loads.

The thrust-block F firmly holds and supports the braces. It forms a secure bearing for the bolster, and therefore for the load. It saves the mortising of the bolster and preserves the full strength.

It will be observed that the thrust-block consists of a solid block, F, (see Fig. 2,) into which the socket for the vertical brace *d* extends, this socket being extended downward by the sockets-walls *f*, while the sockets *f'* extend from the oblique lateral faces of the main block, and between the ends of these lateral sockets and the central socket are thick solid portions of the block, which render the structure very strong and able to withstand the great strains to which the thrust-block is subjected. Besides, any lateral strains upon the upper end of the central brace in the line of draft will be toward the end of one of the inclined braces, which will thus brace the central socket to support said strain.

By the thrust-block F and the braces *d e e* the weight is transmitted over considerable length of the runners. Economy in the construction, strength, and durability are secured by the use of the thrust-block F, which can be manufactured and sold to sleigh-builders in the same manner as other carriage and sleigh fittings and findings are now sold, and thus form a new article of manufacture and sale.

I am aware that metallic socket-pieces have been used to receive the upper ends of sleigh-braces and support the bolsters, and I do not claim such devices broadly.

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

The thrust-block for the braces of sleighs, consisting of the metal block F, having the central socket extending into it, and the lateral inclined sockets extending from inclined faces on each side of said central socket, and between which inclined faces and the upper portion of said central socket are thick solid portions integral with the main block, substantially as described.

ROMUALD J. TALBOT.

Witnesses:
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