

W. LESLIE. SLEIGH.

No. 121,251.

Patented Nov. 28, 1871.

FIG. 1.

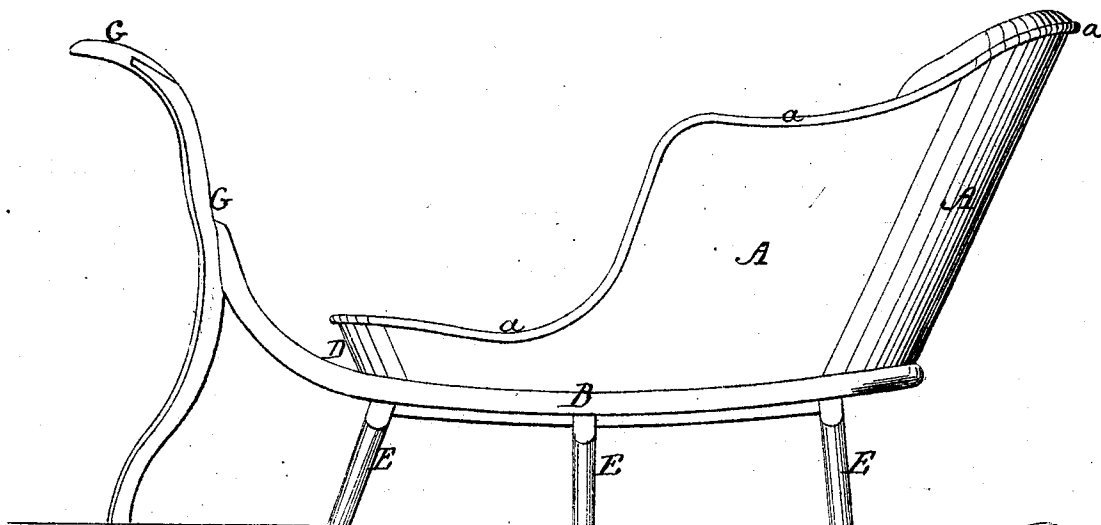


FIG. 2.

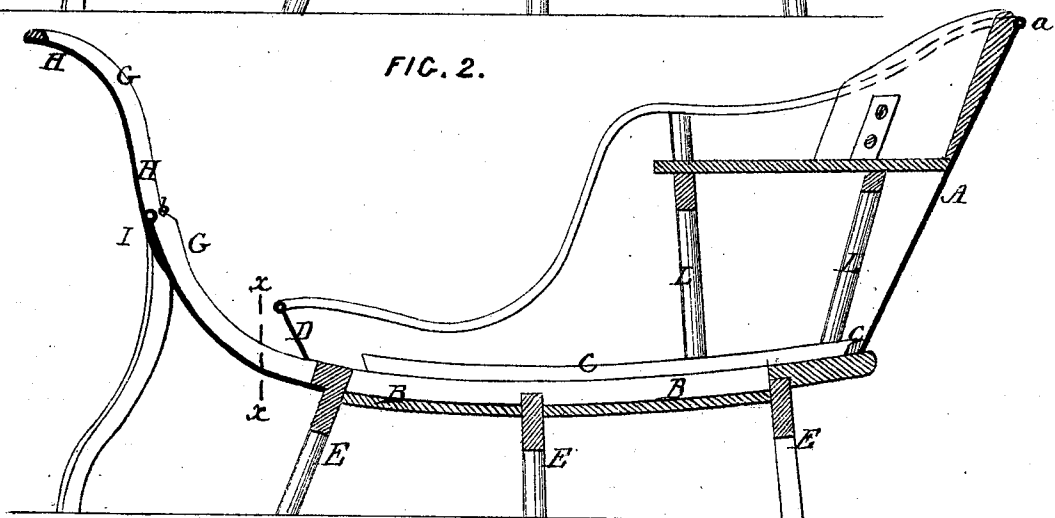
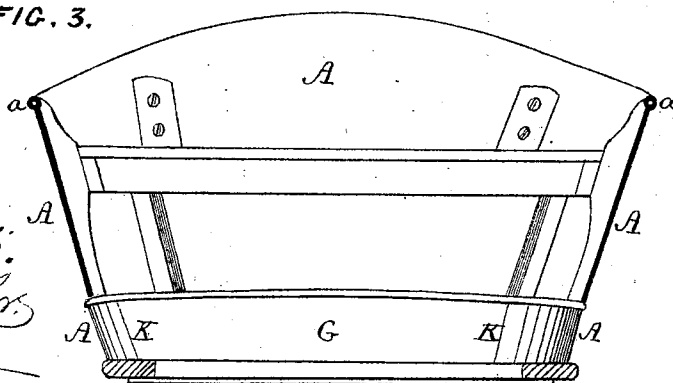


FIG. 3.



INVENTOR.

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per
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WITNESSES.

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UNITED STATES PATENT OFFICE.

WHITMAN LESLIE, OF GRAY, MAINE.

IMPROVEMENT IN SLEIGHS.

Specification forming part of Letters Patent No. 121,251, dated November 28, 1871; antedated November 13, 1871.

To all whom it may concern:

Be it known that I, WHITMAN LESLIE, of Gray, in the county of Cumberland and State of Maine, have invented a certain new and useful Improvement in Sleighs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification:

This invention consists in a novel construction of the body of a sleigh and its attachment to the bottom, as will be hereinafter particularly described.

In the accompanying drawing my improvements in sleighs are illustrated, Figure 1 being a side elevation; Fig. 2, a central longitudinal vertical section; and Fig. 3, a transverse vertical section in plane of line X X, Fig. 2.

A in the drawing represents the body of a sleigh, made of sheet metal, bent into the proper shape, with either a square, circular, or other back, to give a graceful exterior. The edge *a* of the sheet-metal body A is turned over, producing a bead, as shown; and in practice it would probably be most desirable to bend or turn over and around it a core of wire to stiffen and sustain the same. This body A is attached to the wooden bottom B of the sleigh by means of bars C secured to the same, which in turn are secured to the top rail of the bottom or frame B, to which the runners are attached, and otherwise in any of the ordinary modes, through studs or stanchions E. Uprights L are secured to the inside of the body A, stiffening the same, these uprights being fastened to the rail C in any suitable manner. The body A of the sleigh, made of sheet metal, as described, is preferably continued by

a metallic plate, D, passing in front of the dasher-frame G, although a wood or other strip may be there employed, they being secured together at K by rivets or in other suitable manner. To the dasher-frame G the dash-board H, made of sheet metal, such as sheet-iron, is secured. This dasher-board is made of two pieces of sheet metal, attached to the dasher-frame by rivets, and jointed at I, where they overlap, by means of rivets, soldering, or otherwise, rivets being preferred. It is also preferable that the overlapping edge of dasher sheet metal, as at *b*, should be turned or rolled over, as described, for the edges of metal sleigh-body.

The advantages of these improvements in sleighs consist: First, that greater strength to the body and dasher is obtained. Second, that the cost of manufacture is greatly reduced, and that the body and dasher of a sleigh can be made at less trouble, sheet metal being more susceptible than wood of being bent without deterioration.

Having thus described my improvement in sleighs, I shall state my claim as follows:

A sleigh constructed with a sheet-metal body, A, and a bottom, B, both secured together by and through bars C, and stiffened by uprights L, substantially as described.

The above specification of my improvements in sleighs signed by me this 23d day of February, 1871.

WHITMAN LESLIE.

Witnesses:

ALBERT W. BROWN,
RHEIMUNT SAYER.

(31)