

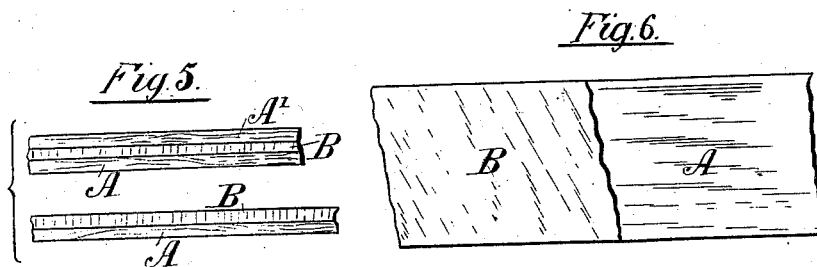
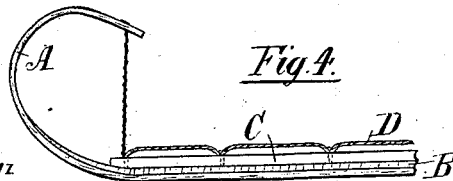
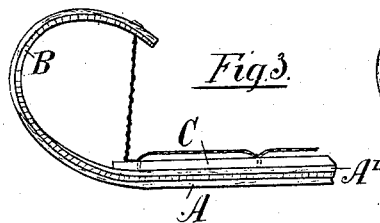
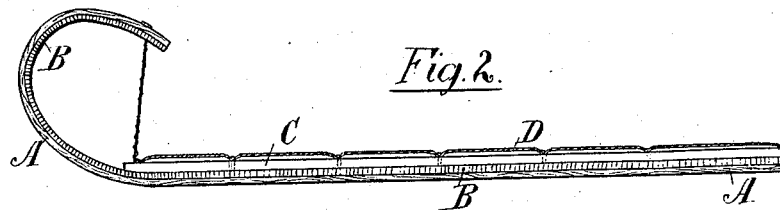
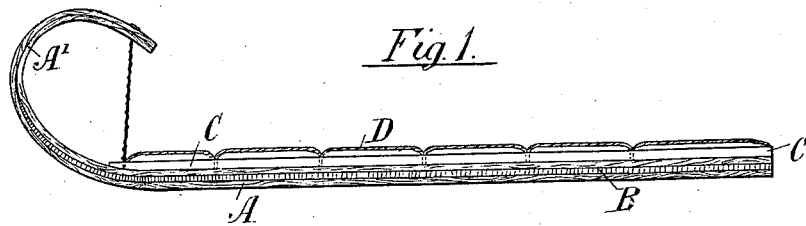
(No Model.)

W. F. HUTCHINS.

TOBOGGAN.

No. 302,492.

Patented July 22, 1884.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM F. HUTCHINS, OF MONTREAL, QUEBEC, CANADA, ASSIGNOR OF
ONE-HALF TO WILLIAM HENRY WHYTE, OF SAME PLACE.

TOBOGGAN.

SPECIFICATION forming part of Letters Patent No. 302,492, dated July 22, 1884.

Application filed December 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FRANKLIN HUTCHINS, of the city of Montreal, in the District of Montreal and Province of Quebec, Dominion of Canada, have invented certain new and useful Improvements in Toboggans; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention has for its object the construction of a toboggan which shall be stronger and more serviceable, and also capable of running more easily over the snow and ice, than those at present in use, while greatly decreasing the weight and without adding to the cost.

My invention consists, broadly, in making a toboggan of two or more layers of veneer or sheet-wood fixed together by glue or other means, and arranged so that the grain of the wood in each layer shall run in an opposite direction to its neighboring layer. For full comprehension, however, of my improvements reference must be had to the accompanying drawings, in which similar letters of reference indicate like parts, and where—

Figure 1 is a side elevation of my toboggan made up of three layers. Fig. 2 is a similar view, but with only two layers. Figs. 3 and 4 are enlarged views of different modifications of the invention. Figs. 5 and 6 are detail views showing different constructions.

At present toboggans are made up of one sheet of thin wood the grain of which runs lengthwise with the toboggan, and wooden cross-bars are nailed or fixed by gut across the upper side, and side rails raised above the upper surface run down the sides to afford a hold for the hands of the user. Now, by my invention I do away with the cross-bars and raised side rails, and consequently with the nails or gut necessary for their attachment.

In the drawings, A represents the main or under layer of veneer, and B the upper or superimposed layer, the grain of the latter running crosswise to the former, as shown in Fig.

2. In Fig. 1 I have shown three layers of veneer, the upper and under layers, A' A,

running in the same direction—viz., lengthwise with the toboggan, and the intermediate layer, B, being arranged with its grain approximately at right angles to the layers A' A. In Fig. 3 I have represented the layers A and B as running clear around the turned-up front, and the top layer, A', extending only part of the way around this bend, and in Fig. 4 I show the main layer A only as forming the front curve and the superimposed layer B as extending only partly around the bend; and, again, in Fig. 6 I show in plan the superimposed layer B as lying with its grain at an angle to the grain of the main layer A, it being understood that all these and many other modifications may be used without departing from my invention.

C C represent rails, glued or otherwise attached to the upper side of the toboggan around its edges, to these rails being attached cords D D, arranged in short loops, as represented in Figs. 1 and 2, for the purpose of giving a hold for the hands of the occupants. I have found that these looped cords possess a great advantage over the raised side rails at present used on toboggans, inasmuch as by the slack of the rope the user's hands do not project over the edge, and are thus saved from injury; besides, the wooden rails now used are constantly breaking, and are thus a continual source of expense and annoyance.

What I claim, and desire to secure by Letters Patent, is as follows:

1. A toboggan made up of two or more layers of veneer or sheets of wood arranged so that the grain of the wood in each layer shall run in a direction contrary to that of its neighboring layer, substantially as described.

2. In a toboggan, the combination, with the main body and the side rails, C C, fixed thereto, of the ropes or cords D D, arranged in loops, substantially as and for the purposes specified.

W. F. HUTCHINS.

Witnesses:

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