

(No Model.)

J. R. McLAREN, Jr.
TOBOGGAN.

No. 406,939.

Patented July 16, 1889.

Fig. 1

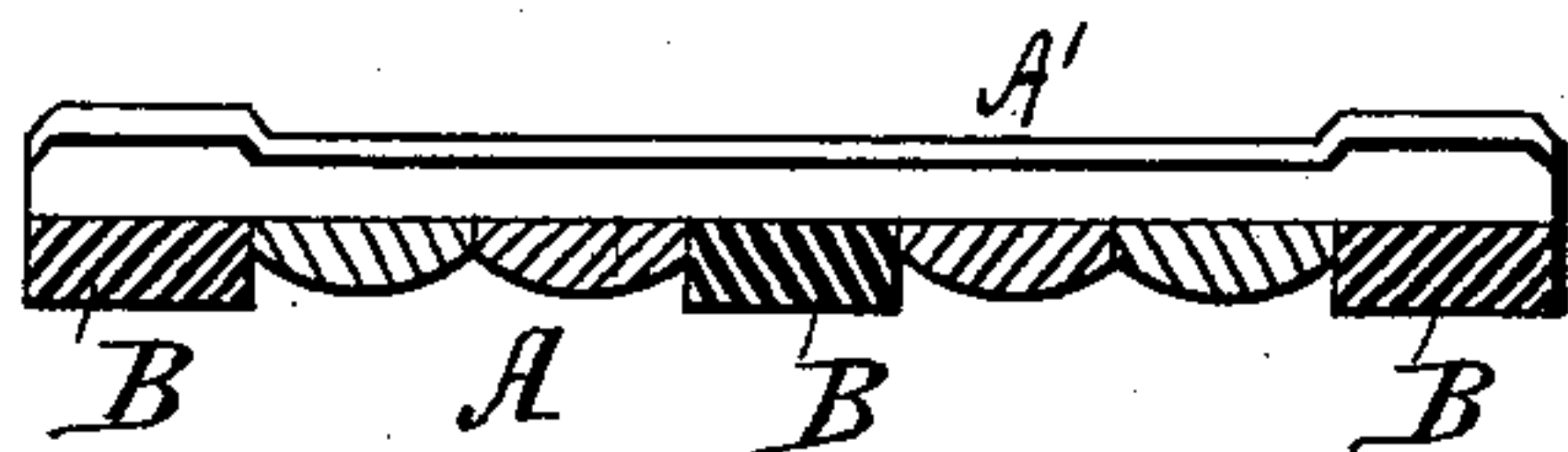


Fig. 2

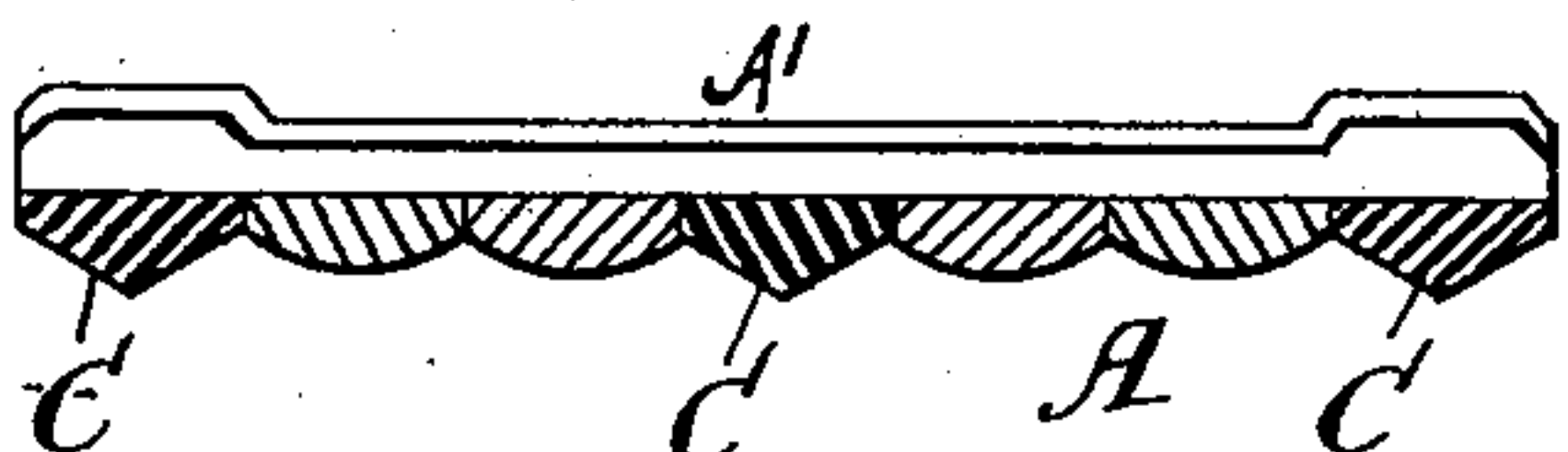
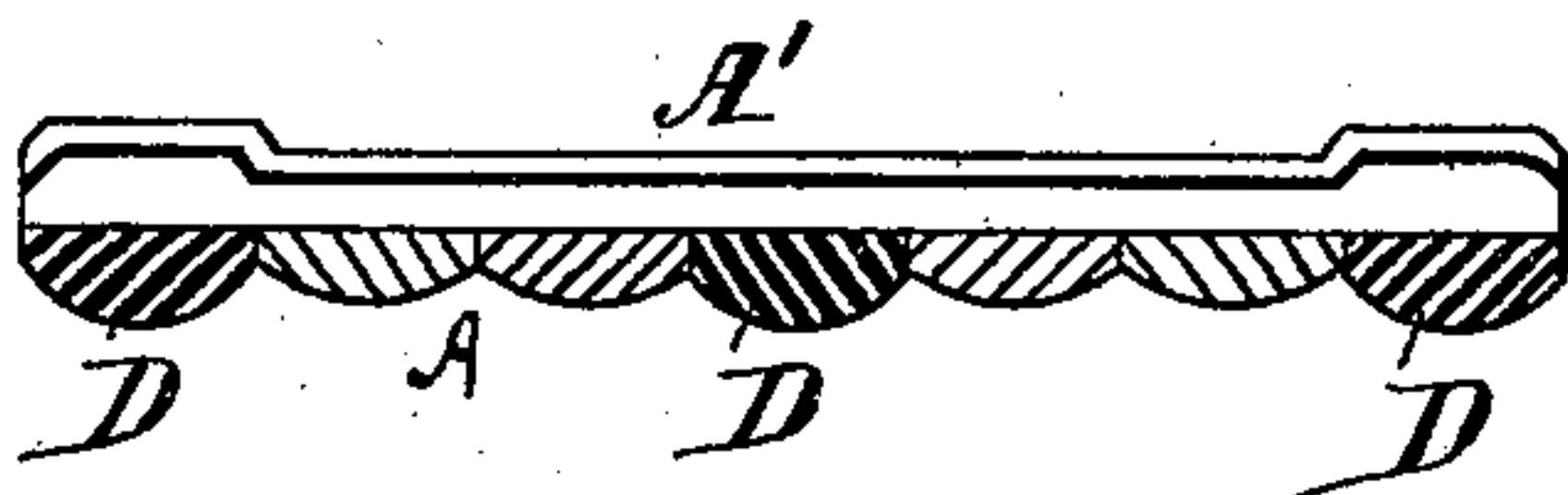


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN R. McLAREN, JR., OF MONTREAL, QUEBEC, CANADA, ASSIGNOR TO
CHARLES H. EMERSON & CO., OF BURLINGTON, VERMONT.

TOBOGGAN.

SPECIFICATION forming part of Letters Patent No. 406,939, dated July 16, 1889.

Application filed March 16, 1886. Serial No. 195,464. (No model.) Patented in Canada December 23, 1884, No. 20,785.

To all whom it may concern:

Be it known that I, JOHN ROBERT McLAREN, Jr., of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Toboggans, (for which Canadian Letters Patent have been granted to me, dated December 23, 1884, No. 20,785;) and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention has reference to a specific form of the toboggan for which Letters Patent No. 312,879 have already been granted to me, and may be described as consisting in forming on the edges and in the center of the under side of a toboggan strips or ribs projecting below the intervening strips. These ribs may be formed either by an extra thickness of the pieces going to make up the toboggan or by planting or securing on the under side the necessary strips.

The strips or ribs may be of any section, as shown in the accompanying drawings, in which—

Figures 1, 2, and 3 represent transverse sections through a toboggan.

A is in each case the carrying part of the toboggan, the cross-bars A' being as shown in my aforesaid Letters Patent; B B B, strips flat in section; C C C, those beveled or splayed off, and D D D those rounded on the under surface. As before mentioned, the shape or section of these bearing strips or ribs is not

confined to these forms, but may be varied as desired. Said strips, however formed, are held firmly together with the thinner intervening strips by being firmly secured to said cross-bars A', as shown in my said Letters Patent. I find that when some of said strips are materially thicker than the others the frictional surface of the toboggan with hard icy surfaces is reduced, thus resulting in greater speed, and the intervening thinner strips present desirable sustaining-surfaces for contact with a soft track, as on melting snow, because the bearing-faces of the thick strips project below the faces of the thin strips.

What I claim is as follows:

1. A toboggan having a portion of its bearing strips or ribs thicker than those intervening, all of said strips or ribs being firmly secured by means of cross-bars and having the faces of said thick strips projected below the faces of the thin strips, substantially as set forth.

2. A toboggan having flat bearing strips or ribs thicker than the intervening strips, the whole being secured by means of cross-bars and having the faces of the thick strips projected below the faces of the thin strips, substantially as shown and described.

J. R. McLAREN, JR.

Witnesses:

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