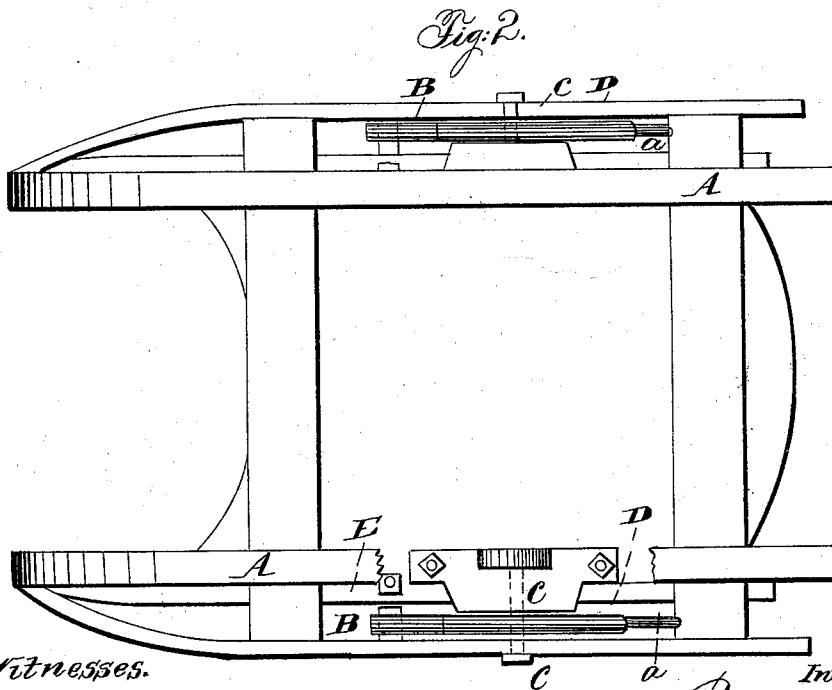
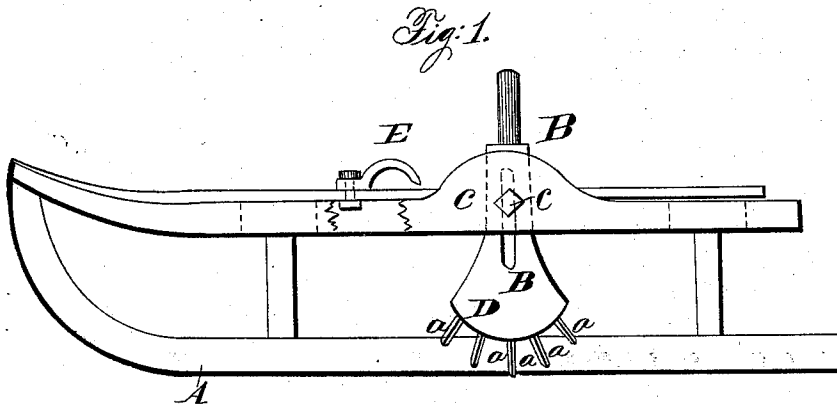


F. P. BOURNE.

Sled-Propeller.

No. 63,845.

Patented Apr 16, 1867.



Witnesses.

*Theo Fusch
J A Service*

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United States Patent Office.

F. PHILIP BOURNE, OF WILLIAMS' BRIDGE, NEW YORK.

Letters Patent No. 63,845, dated April 16, 1867.

IMPROVEMENT IN PROPELLING ATTACHMENT FOR CHILDREN'S SLEDS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, F. PHILIP BOURNE, of Williams' Bridge, in the county of Westchester, and State of New York, have invented a Propelling Attachment to Children's Sleds, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to an attachment for sleds or sleighs, by means of which the person or persons seated or occupying the sled or sleigh can themselves propel or force the sled along over the surface of the ground, the invention consisting in providing the sled or sleigh with means suitable for the person or persons to produce the desired movement of the sled, when properly used upon the icy or snowy surface over which the sled is passing, as will be hereinafter particularly explained. In the accompanying plate of drawings my propelling attachment to sleds is illustrated—

Figure 1 being an elevation or view of one side of the sled; and

Figure 2 a plan view of the sled from its under side.

Similar letters of reference indicate like parts.

A, in the drawings, represents the sled or sleigh, which, in construction, size, and shape, may be of any material suitable for the purpose, or of any now in common or ordinary use, this invention having no reference to any peculiarity in the construction of the sled or sleigh, but simply in the attachment to the same of means by which it can be propelled or forced over the surface of the ground by the person or persons seated upon or occupying the same; this attachment consisting, as shown in the present instance, of two handle-levers or bars, B, each similarly slotted for a portion of their length, and hung by such slots upon fixed pins or pivots, C, of the sled, one upon each side-frame of the same. These arms at one end are flattened out, forming a circular disk or plate, D, which, around its edges, is provided with a series of similar picks or pins, *a*, sufficiently sharp to enter the icy or snowy covering upon the ground when properly brought to bear upon the same, and thus obtaining a leverage or bearing in the same, enable the sled to be forced or propelled along and upon the ground; when raising the said lever-picks from the ground, and again inserting them therein as before, a further propulsion of the sled can be produced, as is obvious without any further explanation; the said lever-picks being operated, as above stated, by the person or persons upon the sled. When the lever-picks are not to be used, they are drawn up into a horizontal position, so as to lie along and upon the side-frames of the sled, as plainly shown in fig. 2 of the drawings, where, by means of catches or fastenings, E, suitably hung or secured to the sled therefor, they are held and retained; the slots in such levers enabling them to have sufficient play upon their pivots or pins of the sled-frame, to allow a long stroke to be imparted to them by the person or persons occupying or seated upon the sled. The lever-picks may be attached to the sled so as to be susceptible of being readily detached therefrom when so desired, or may be attached so as to be permanent, the particular mode of attachment forming a part of the present invention.

I claim as new, and desire to secure by Letters Patent—

The attachment of lever-picks B to sleds, sleighs, &c., substantially as and for the purpose described.

F. PHILIP BOURNE.

Witnesses:

J. T. BRIGGS,

CORNELIUS JONES.