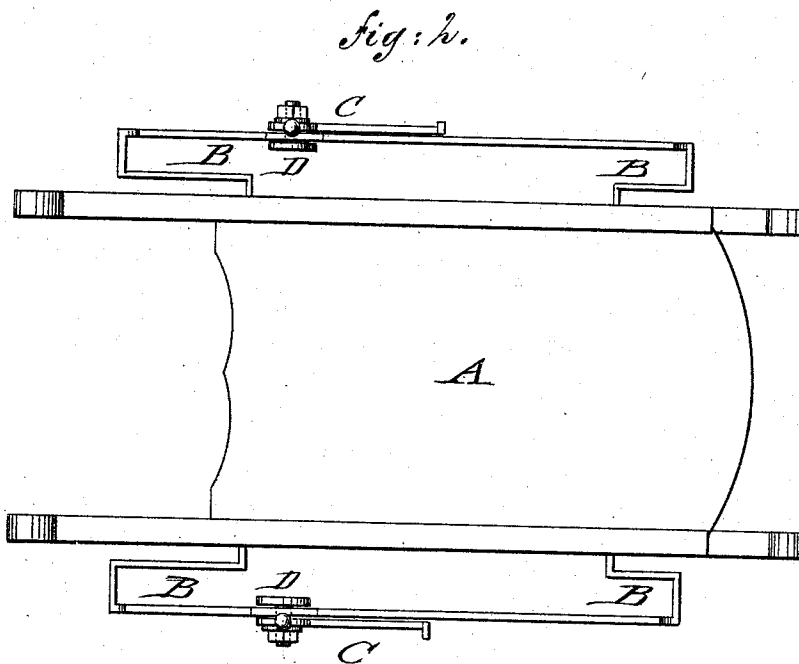
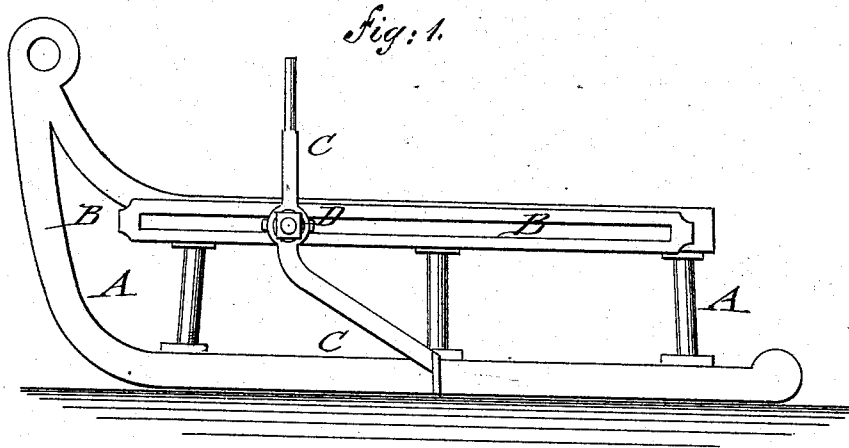


W. H. SHELTON, Jr.
SLED-PROPELLER.

No. 172,185.

Patented Jan. 11, 1876.



WITNESSES:

Chas. Nida.
Alex. F. Roberts

INVENTOR:

W. H. Shelton Jr.
BY

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM H. SHELTON, JR., OF NEW YORK, N. Y.

IMPROVEMENT IN SLED-PROPELLERS.

Specification forming part of Letters Patent No. **172,185**, dated January 11, 1876; application filed December 4, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. SHELTON, Jr., of the city, county, and State of New York, have invented a new and Improved Propelling Attachment to Sleighs and Wheeled Bodies, of which the following is a specification:

Figure 1 represents a side elevation of my improved propelling attachment to sleighs and carriages, and Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide hand-sleighs, small carriages, and wheeled bodies of all kinds, with a propelling attachment, by which they can be moved in a rapid and easy manner, the weight of the body assisting the forward propulsion of the sleigh or wheeled body.

My invention consists of a sleigh or wheeled body that is provided at both sides with slotted guides, and fulcrumed lever-handles sliding loosely therein, said handles having end claws or feet that take hold of the ice or ground and produce, by the weight of the body, the forward motion of the sleigh or carriage on the fixed-lever fulcra.

In the drawing, A represents a sleigh, carriage, or other suitable body, placed on runners or wheels, to which are applied, at both sides and in any approved manner, horizontal parallel guides or runners B, that are, by preference, placed by brackets at some distance from the body A. The guide-pieces B are slotted to some distance from the ends for the lever-handles C, which are fulcrumed to side pieces D, run loosely in the slots of the guides B, and are secured thereto by washers or other guard-plates.

The upper ends of the levers C are taken hold of by the hands, so that the lower ends,

which are extended downward at suitable curve or inclination, and provided with terminal feet or claws, are made to enter the ice or ground, and form strong points of support thereon.

The weight of the body on the sleigh or wheeled frame, in connection with the force exerted by the arms on the levers, results in the forward motion of the sleigh or wheeled frame, by the guides on the side pieces of the fixed levers, which are then moved forward again and again forced into the ground, producing the next forward movement of the sleigh, and so on.

By rapidly repeating the forward sliding and the planting of the propelling-levers on the ice or ground, the sleigh or wheeled frame is propelled at corresponding speed in forward direction, forming thus not only an attachment for the greater amusement of children, but also a readily-operated and convenient exercising device for grown people.

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

The combination of a sleigh or wheeled body having horizontal slotted guides or runners at the sides, with swinging lever-handles, which are pivoted to side pieces of the guides, and provided with feet or claws to take hold of the ice or ground, and produce the forward propulsion of the sleigh or wheeled body, on the lever slide-pieces, in conjunction with the weight of the person, substantially as specified.

WILLIAM H. SHELTON, JR.

Witnesses:

PAUL GOEPEL,
T. B. MOSHER.