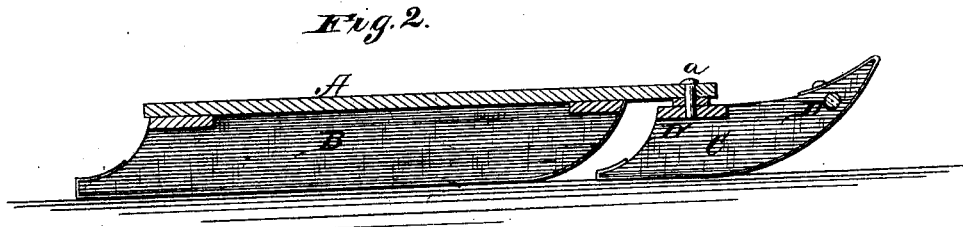
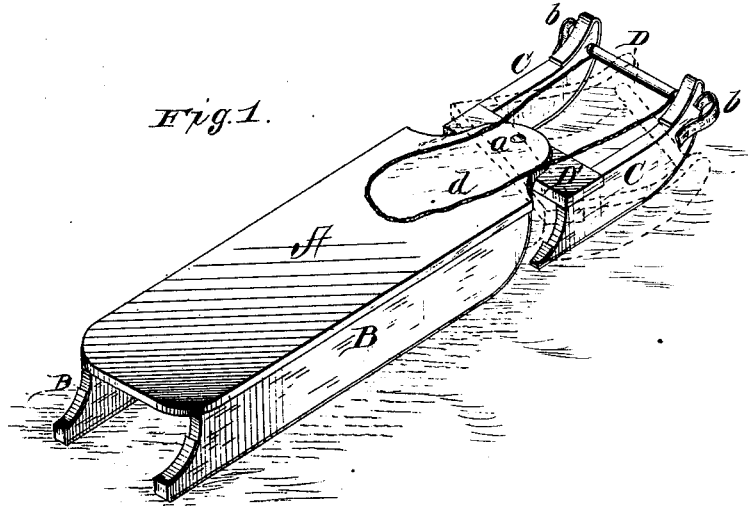


T. J. COPE.  
Sled.

No. 197,337.

Patented Nov. 20, 1877.



WITNESSES  
*Frank L. Curran*  
*Wankhall*

INVENTOR  
*T. J. Cope*  
*Alexander Mason*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

THOMAS J. COPE, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN SLEDS.

Specification forming part of Letters Patent No. **197,337**, dated November 20, 1877; application filed October 11, 1877.

*To all whom it may concern:*

Be it known that I, THOMAS J. COPE, of Philadelphia, in the county of Philadelphia, and in the State of Pennsylvania, have invented certain new and useful Improvements in Sleds; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to coasting-sleds; and it consists in combining with the same a runner-frame, pivoted at the front end of the sled for guiding the same, and constructed substantially as hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal section, of my invention.

A represents the top, and B B the runners, of an ordinary coasting-sled, constructed in any of the known and usual ways.

The top A is extended in front of the runners, substantially as shown, to form a convenient place for attaching the auxiliary runner-frame. This frame is composed of two short curved runners, C C, connected near their front ends by a round, D, and near their rear ends they have a plank or board, D', let into their upper edges and connecting the same. The frame is pivoted to the under side

of the top A, at the front end, in the center, by a pin or bolt, *a*, as shown, so that the auxiliary runner-frame can be turned to either side, more or less, as may be required for guiding or steering the sled.

On the outer side of each runner C, near the front end, is secured a stirrup, *b*; and a strap, *d*, has its ends attached to the ends of the round D, said strap being of sufficient length to be used by the riders as reins.

The rider, seated on his sled, puts his feet on the round D or in the stirrups *b b*, and can then, by his feet, turn the auxiliary runner-frame to guide or steer the sled. It can also be done by means of the strap *d*, and said strap may be used for pulling the sled when desired.

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

In combination with the runners B B and the top A, having its forward end extended beyond the runners, the auxiliary runner-frame, composed of the runners C C, round D, and cross-board D', provided with the stirrups *b b* and strap *d*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of October, 1877.

T. J. COPE.

Witnesses:

FRANK GALT,  
B. R. ROSS.