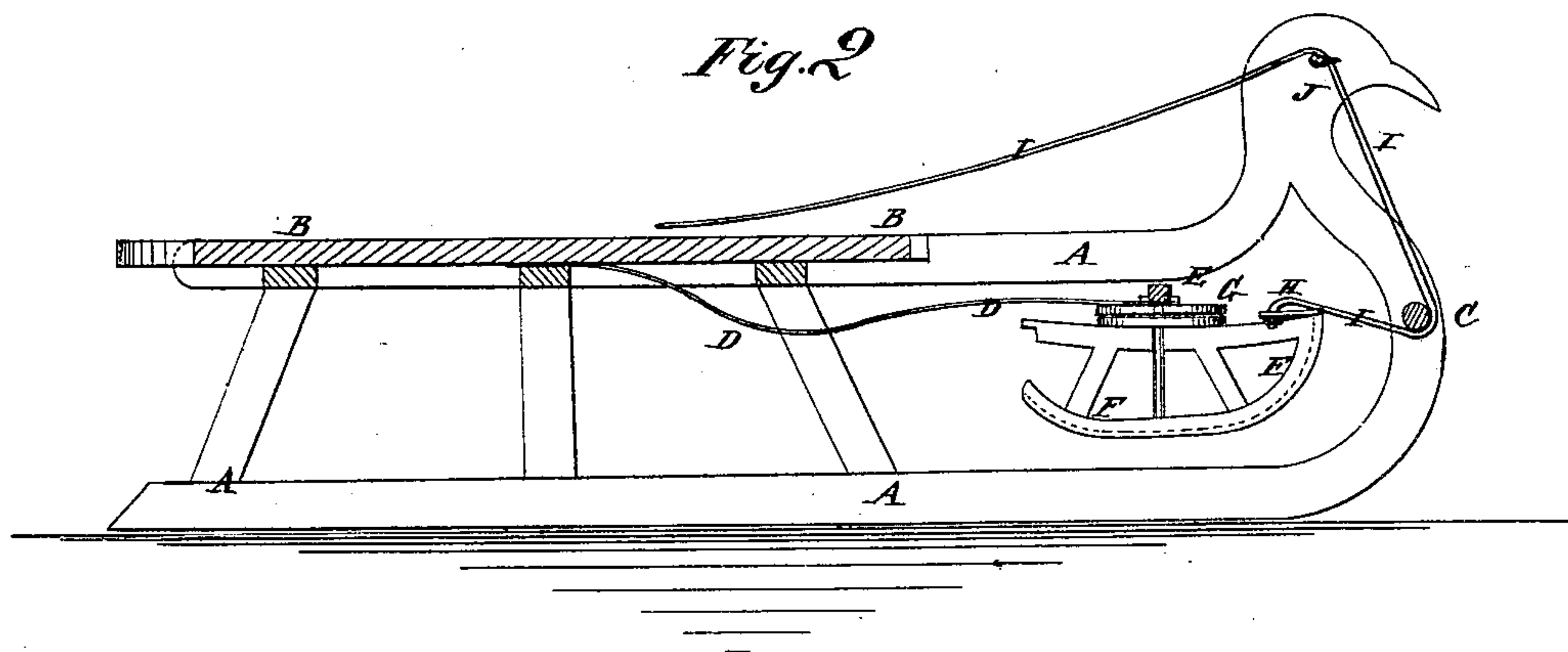
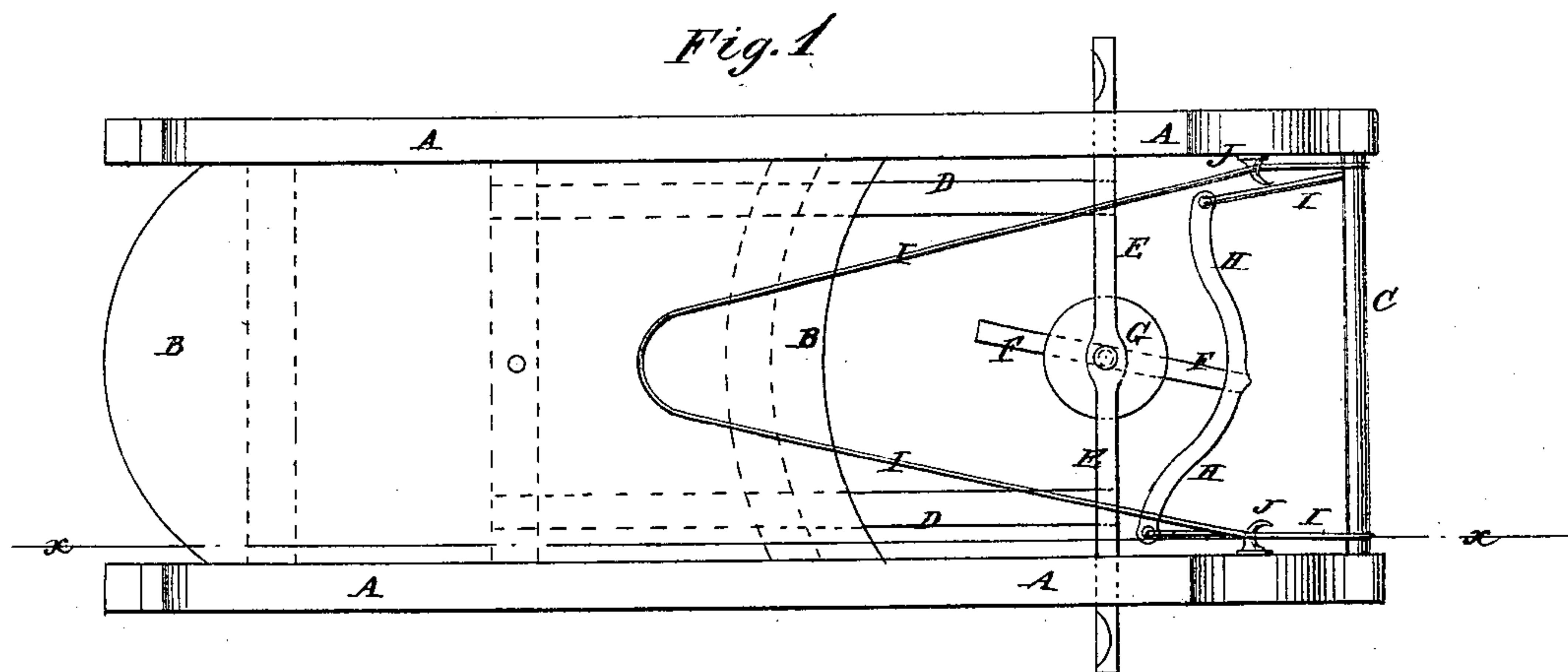


**S. D. MOTT.**  
**Boys' Sleds.**

No. 143,090.

Patented September 23, 1873.



**Witnesses:**

*A. W. Hanson*  
*Chapman*

**Inventor:**

*S. D. Mott*

**Per**

*Munnell*  
**Attorneys.**

# UNITED STATES PATENT OFFICE.

SAMUEL D. MOTT, OF MILFORD, PENNSYLVANIA.

## IMPROVEMENT IN BOYS' SLEDS.

Specification forming part of Letters Patent No. **143,090**, dated September 23, 1873; application filed August 9, 1873.

*To all whom it may concern:*

Be it known that I, SAMUEL DIMMICK MOTT, of Milford, in the county of Pike and State of Pennsylvania, have invented a new and useful Improvement in Coasting-Sled, of which the following is a specification:

Figure 1 is a top view of my improved sled. Fig. 2 is a vertical longitudinal section of the same taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved attachment for coasting-sleds, which will enable them to be conveniently guided by the hands, without its being necessary for the rider to put his foot upon the ground. The invention consists in the springs, the cross-bar, the pivoted runner, its cross-bar and cords, constructed and arranged in connection with each other, to adapt them to be applied to a coasting-sled, as hereinafter fully described.

A represents the frame. B represents the bottom board, and C the round or roller, of the sled, about the construction of which parts there is nothing new. D are two springs, the rear ends of which are secured to the frame-work of the sled, and to the forward ends of which is attached a cross-bar, E, in such a position that the rider, when sitting upon the sled, may rest his feet upon the said cross-bar, either upon the outer or inner sides of the side frames of the sled, as may be desired. To the center of the cross-bar E is pivoted a small runner, F, circular plates G, or other means, being used to keep said runner always in a vertical position, while allowing it to turn freely upon its pivot. The runner F is made of a much less height than the sled, and the springs D are made of such a strength as to hold the said runner F away from the ground,

except when pressed down by the rider's feet, resting upon the cross-bar E. To the upper side of the forward end of the runner F is rigidly attached a cross-bar, H, to the ends of which are attached the ends of cords I, which pass around or through holes formed in or through guides attached to the round C, over guide-hooks J, attached to the upper part of the forward ends of the side frames of the sled, and extend back to the rider. By pressing the runner F down to the ground with his feet, and pulling upon one of the cords I, he can incline the runner F to one or the other side, and thus guide the sled as desired.

When the cords I are arranged as shown in the drawings, the rider must pull the cord upon the side from which he wishes to go; but by crossing the cords, they may be so arranged that he can pull the cord upon the side toward which he wishes to go.

The lateral inclination of the runner F may be limited, if desired, by cords attached to its rear end, and connected with the side parts of the sled-frame.

The runners can be made flat or slightly convex lengthwise, on the bottom, as may be desired.

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

The springs D, cross-bar E, pivoted runner F, cross-bar H, and cord I, constructed, combined, and applied to a coasting-sled, substantially as shown and described, and for the purpose set forth.

SAMUEL DIMMICK MOTT.

Witnesses:

HORACE L. WEST,  
JACOB KLEINHAUS.