

T. S. MINNISS.

Sled-Brake.

No. 69,692.

Patented Oct. 8. 1867.

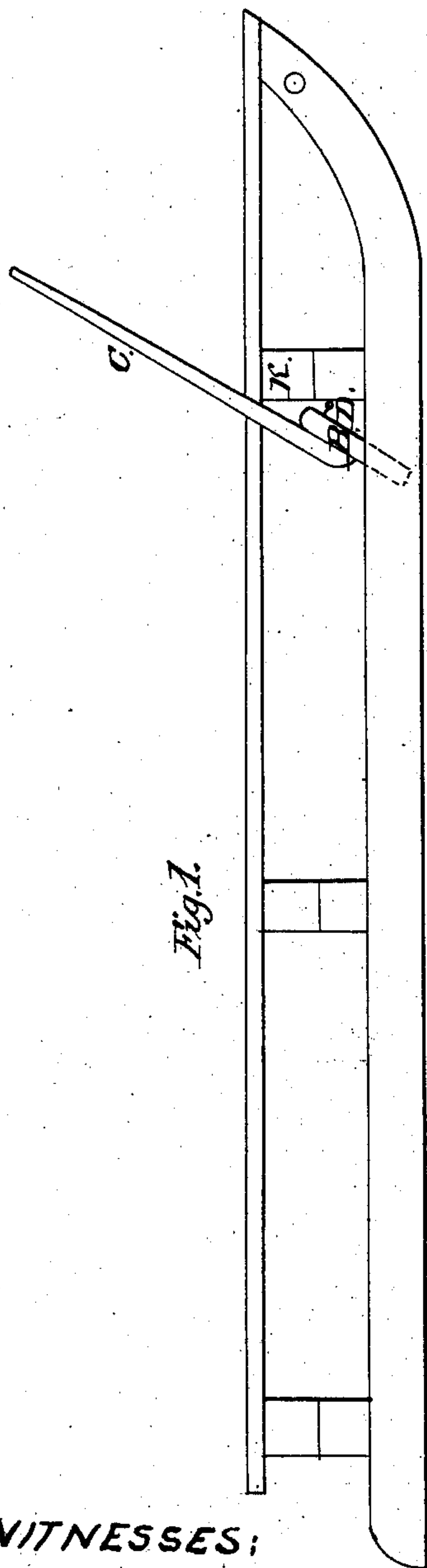


Fig. 1.

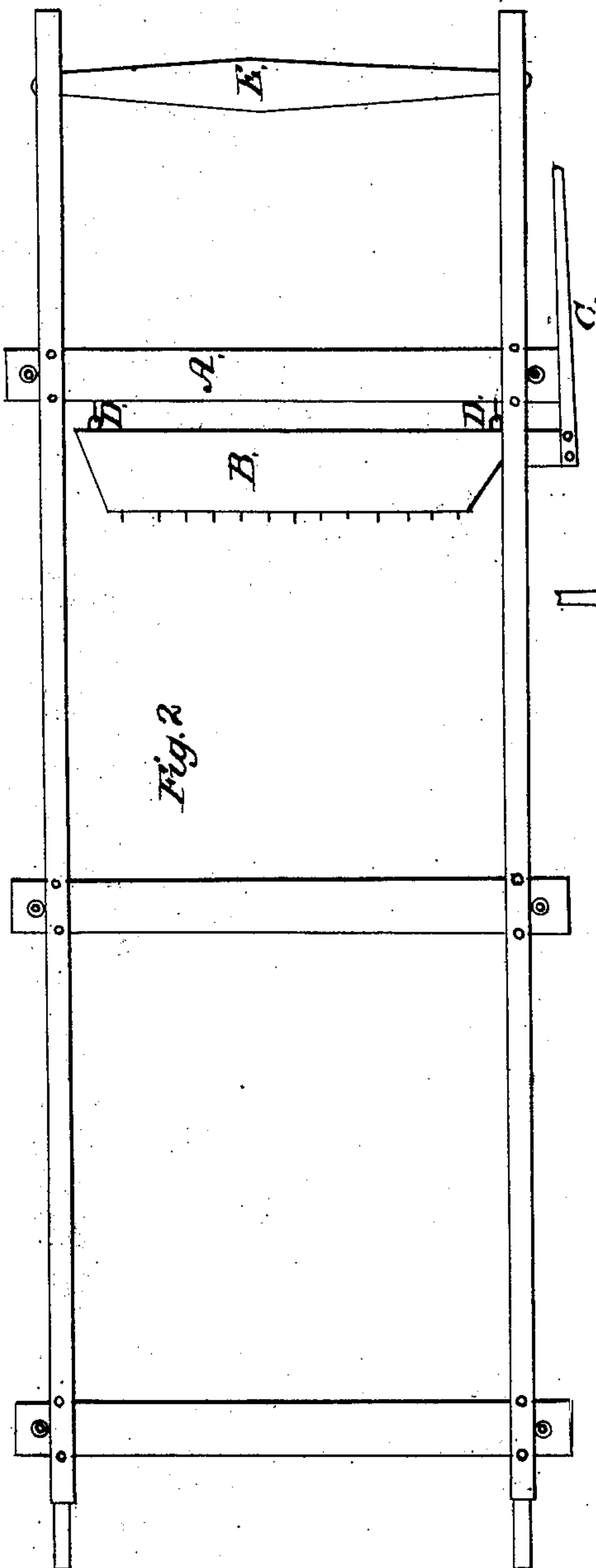


Fig. 2.

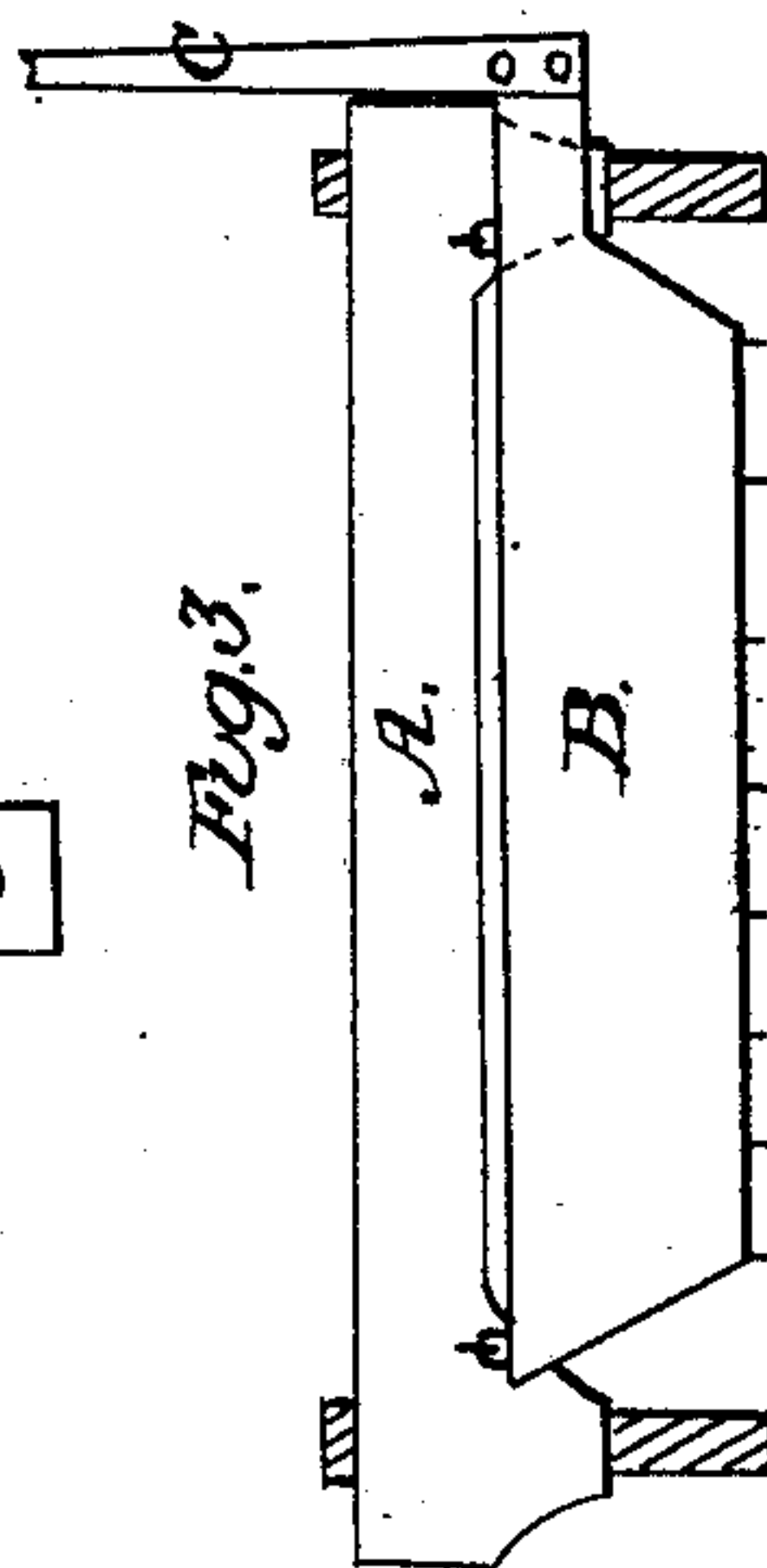


Fig. 3.

WITNESSES:

C. A. Hotchkiss
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INVENTOR:

Thos. Minniss

United States Patent Office.

THOMAS S. MINNISS, OF MEADVILLE, PENNSYLVANIA.

Letters Patent No. 69,692, dated October 8, 1867; antedated September 26, 1867.

IMPROVEMENT IN SLED-BRAKE.

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, THOMAS S. MINNISS, of the city of Meadville, in the county of Crawford, and State of Pennsylvania, have invented a new and improved Sled-Brake; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in hanging a long scraper by a hinged joint to the bench-knees or runners of a sled or sleigh, so that it will touch the ground in an oblique position, as seen at B, Figure 1, having one end of the scraper to project between the runner and the rave far enough to bolt the lever C to on the outside.

I make my brake of two-inch oak plank, either with two strap-hinges the whole width of the scraper, and riveted thereto, or I would take a bar of inch square iron and form the outline of the scraper therewith, terminating in an eye for the hinge at each end, and in front of this I would secure a narrow piece of plank to prevent the bar from catching on projecting obstacles on the road. The lower edge of B is armed with spikes projecting about half an inch, so as to grasp icy roads, as also to hold the sled while the team rests in ascending the hill-side, to give greater leverage to C. I can make the hinge-eye D that is secured to B quite long, as at D, fig. 1, thus allowing the fulcrum to be placed low down, and yet allow the lower side of B to rise as high as the under side of the bench A, when C is brought to a horizontal position. When necessary I would hinge C to the roller E, and have a rod to connect the lower ends of C and B together at the middle of the sled; this perhaps will be best on bob-sleds.

What I claim as my invention, and desire to secure by Letters Patent, is—

The scraper B armed as described, and operated by the lever C, as and for the purpose set forth.

THOS. S. MINNISS.

Witnesses:

R. ANDREWS,

O. A. HOTCHKISS.