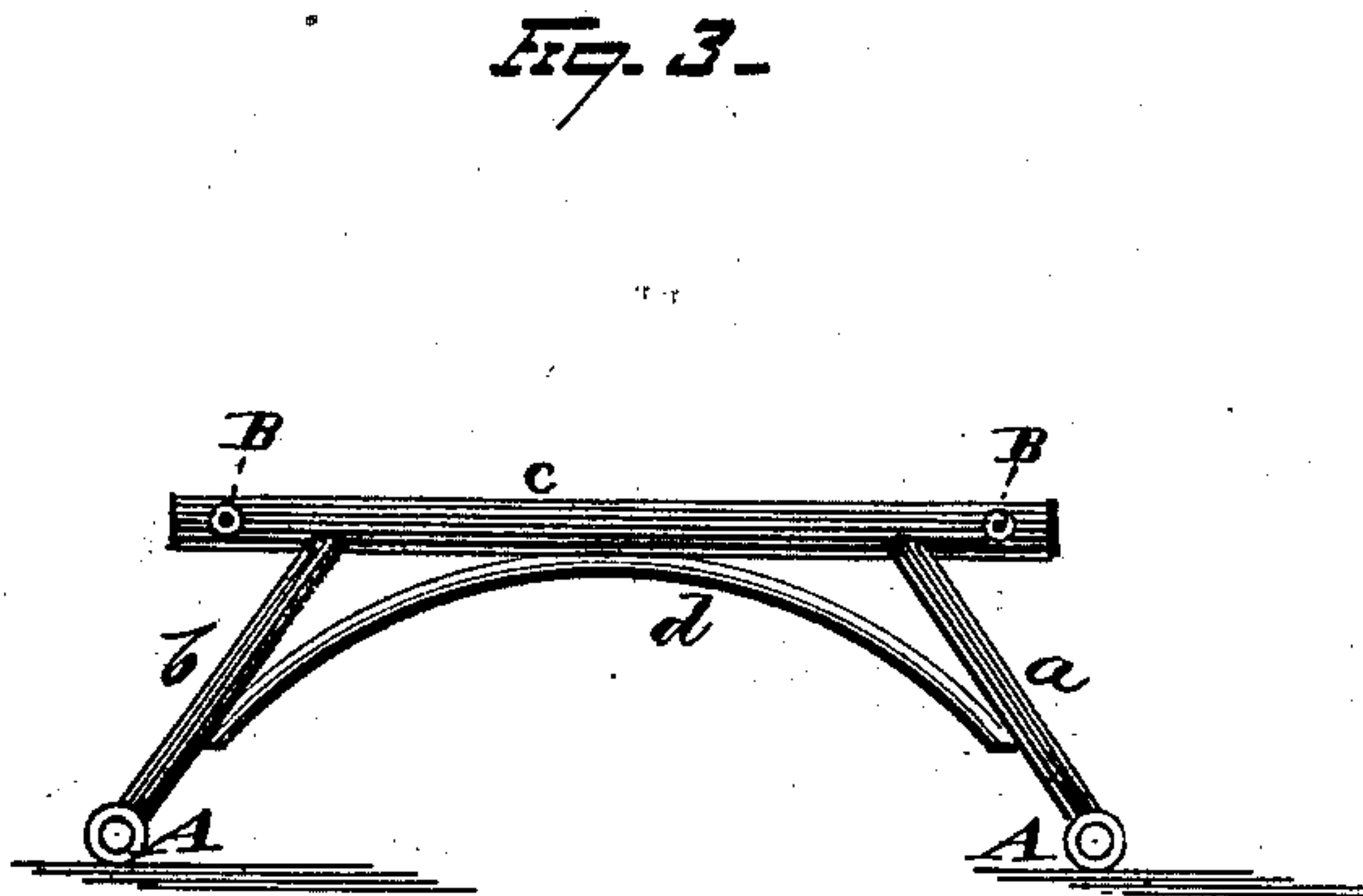
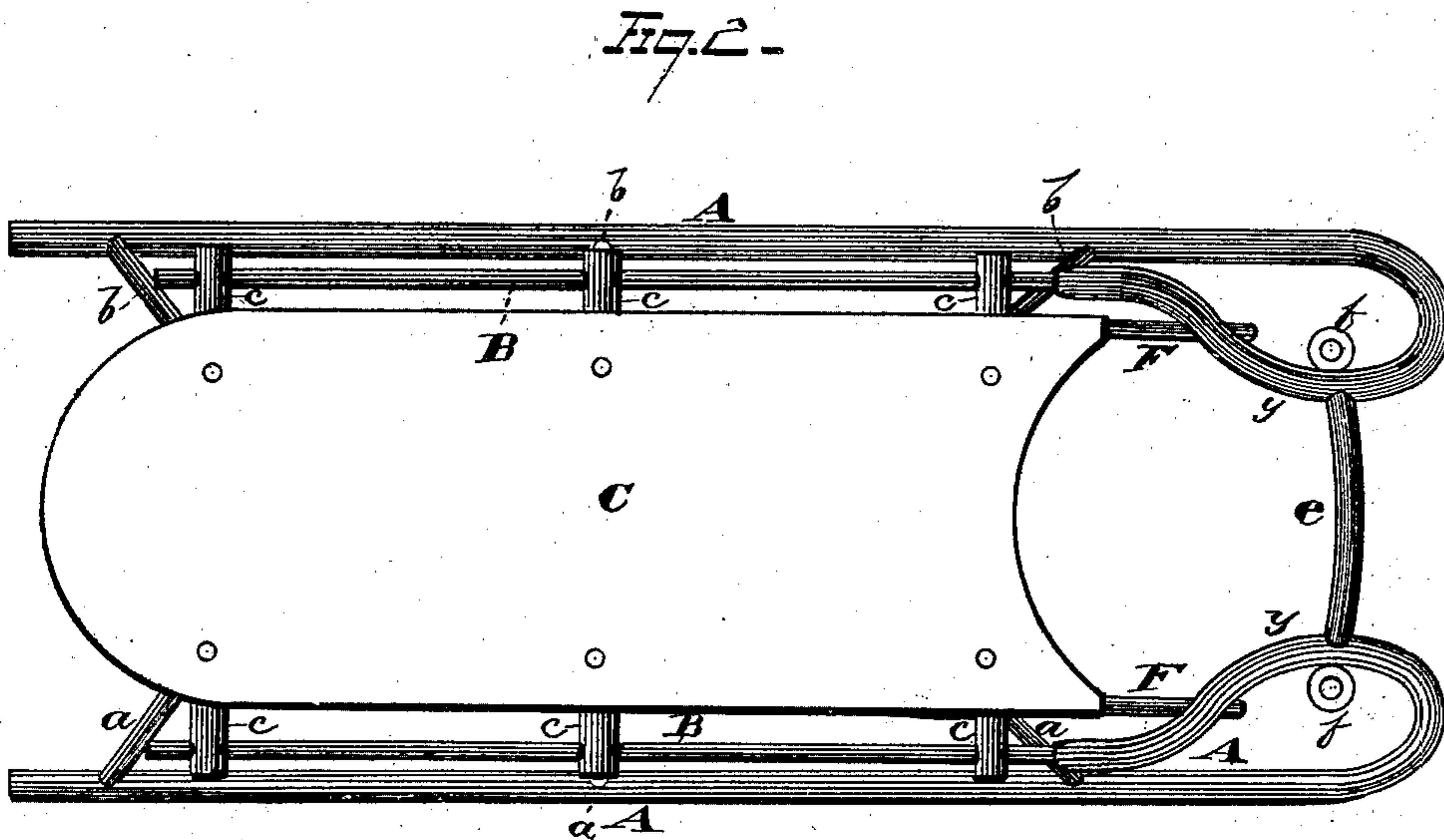
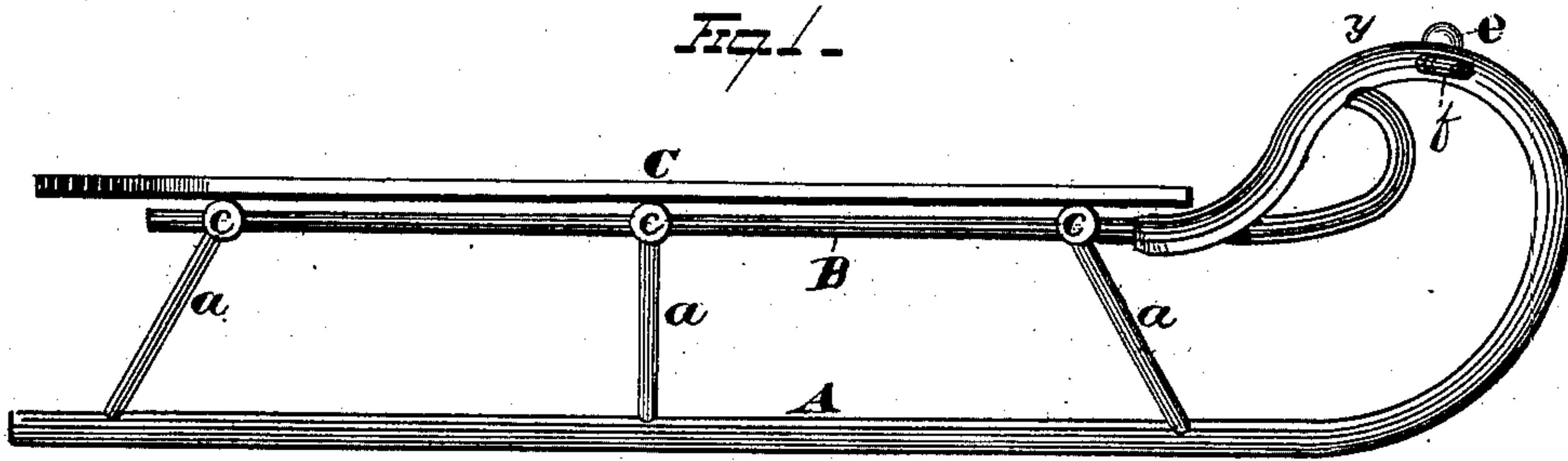


J. W. POST.  
Sleigh.

No. 201,556.

Patented March 19, 1878.



WITNESSES  
J. R. Nottingham  
Alex. Scott

INVENTOR  
John W. Post.  
ATTORNEY

# UNITED STATES PATENT OFFICE.

JOHN W. POST, OF NEW YORK, N. Y.

## IMPROVEMENT IN SLEIGHS.

Specification forming part of Letters Patent No. **201,556**, dated March 19, 1878; application filed March 6, 1878.

*To all whom it may concern:*

Be it known that I, JOHN W. POST, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sleighs; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my invention is to furnish a cheap, durable, and light sleigh or sled, manufactured principally of metal, and so arranged as to couple great strength with neatness of design and beauty of finish, in the construction of which either tubular or solid metal may be used without affecting the character or principle of my invention.

This invention consists in so forming the runners that the forward ends come completely over and down on a line with the raves, which are made of tubular or solid metal, and may be screwed or otherwise fastened into or to the forward end of said runners; and the adding of a special curved brace to the forward and upper curve of the runners tends to greatly strengthen the same, and at the same time embellish the general design.

A bar of slight curvature connects the forward part of the runners, and is held in position by screw-eyelets, which also serve as an attaching device for the string, pole, or thills by which the sleigh is drawn.

In the accompanying drawings, Figure 1 is a side view of my sleigh; Fig. 2, a top view of the same; and Fig. 3 is a view of one of the cross-bars, knees, and brace.

A A represent the runners of a sleigh or sled, made of tubular or solid metal, and so formed as to curve completely over and down to the raves, to which they are fastened.

a a a and b b b represent the knees, which connect the runners to the cross-bars c c c. Curved braces d serve to make more rigid the knees and cross-bars. These knees are set in holes drilled into the runners, and fastened by pins or otherwise. The runners are then connected by a slightly-curved brace, e, which

brace is held in position by screw-eyelets f f, screwing into a thread cut on the inside of the bar.

The curved end of the runners, at a point near y, is sprung outwardly toward the outer side of the runners at any desired distance, according to the degree of flare required.

The raves B B are fastened to the forward end of the runners, and extend rearward and through the cross-bars c c c by means of holes drilled through said bars. The body-board C rests upon and is secured to these cross-bars.

Curved braces F F (may be curved angular or straight) connect the front cross-bar to the curved part of the runners at a point below y, and serve to strengthen as well as beautify the general design.

The principle of using tubular metal or solid rods of different diameters is, that it enables the maker to unite the various parts by simply drilling holes similar in size to the parts which are designed to be fitted in, thus saving the comparatively great expense of mortising the knees, braces, and runners.

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

1. In combination with the runners, the braces F F, connecting the forward parts of the runners to the front cross-bar, the raves B B, fastened to the front ends of the runners, and extending rearward through the cross-bars c c c by means of drilled holes, the slightly-curved brace e, connecting the forward parts of the runners, and the screw-eyelets f f, all substantially as and for the purposes specified.

2. In a sleigh or sled made of tubular or solid metal, the combination of the runners A A, curved in the manner specified, the knees a b, the braces d d d, and cross-bars c c c, with the braces F F, connecting-brace e, and eyelets f f, constructed substantially as shown and described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN W. POST.

Witnesses:

WILLIAM FITCH,  
J. R. NOTTINGHAM.