

S. WAY,

Sled.

No. 78,162.

Patented May 19, 1868.

Fig. 1.

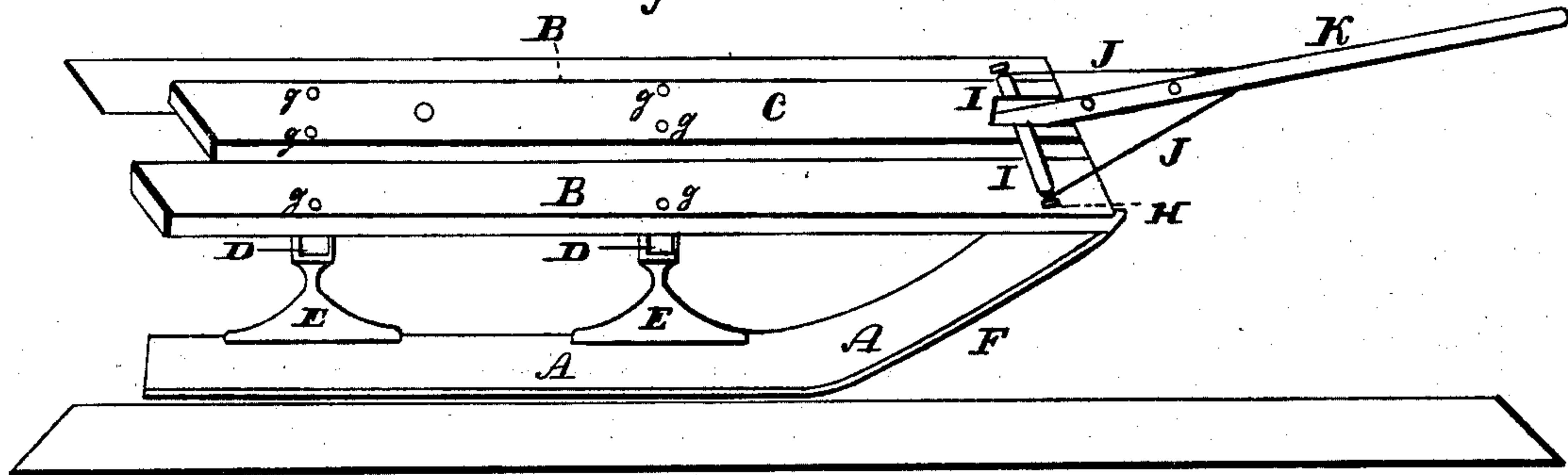


Fig. 2.

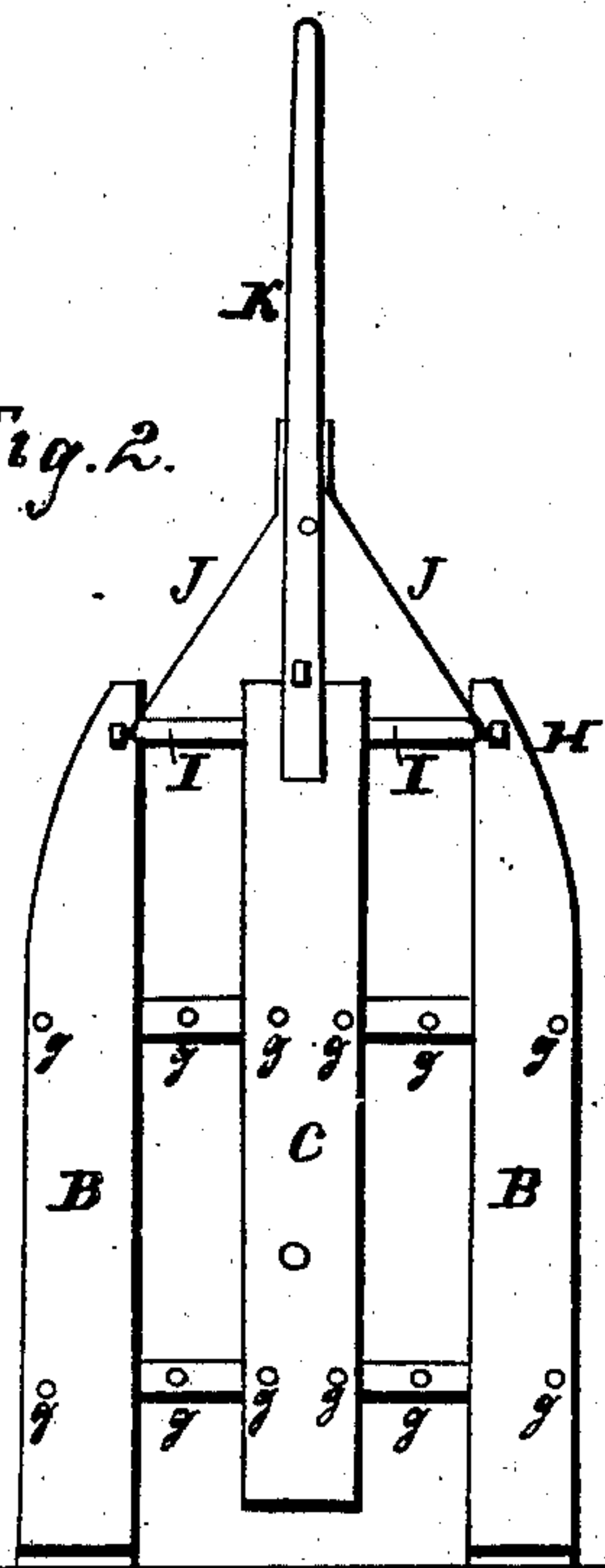


Fig. 3.

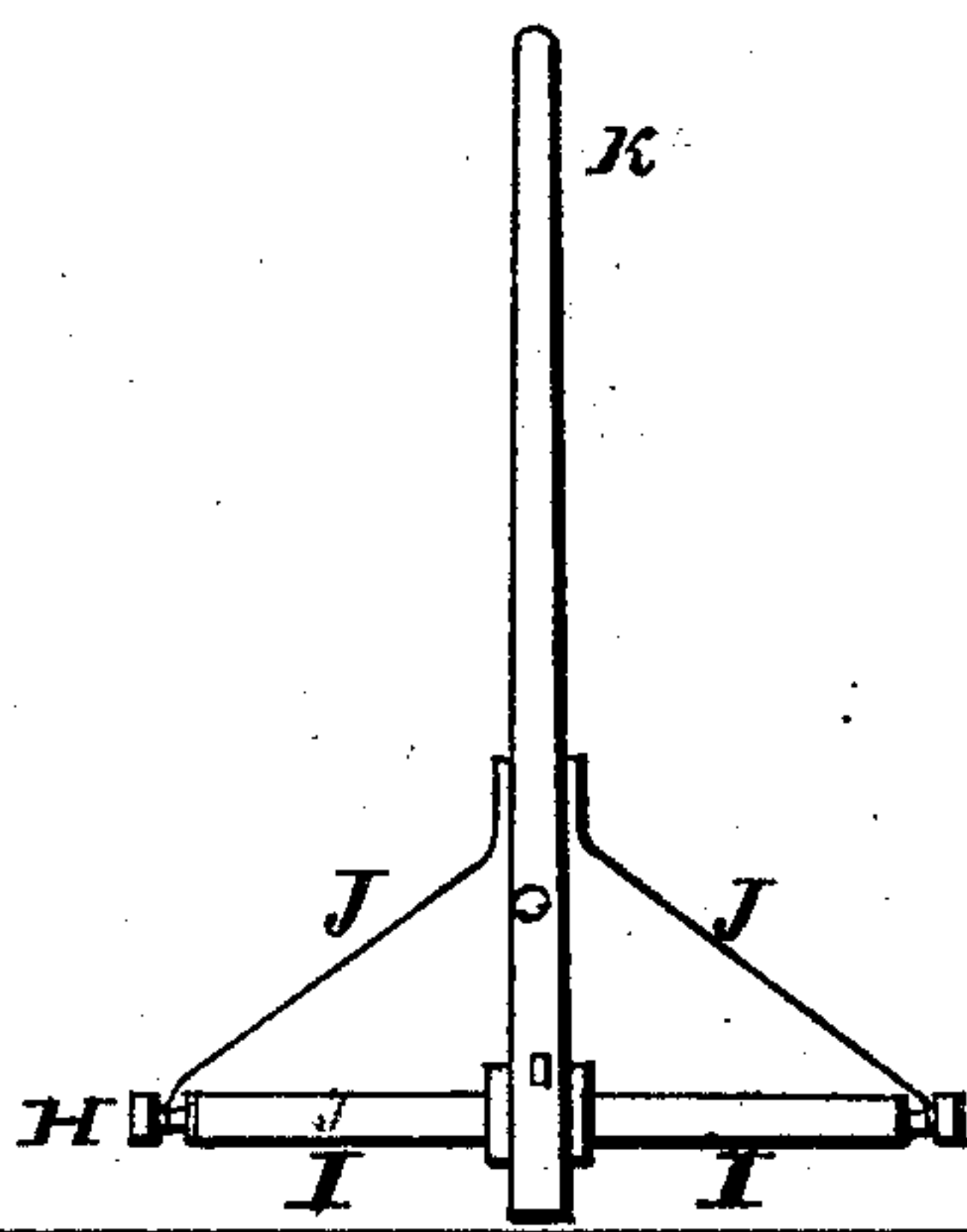
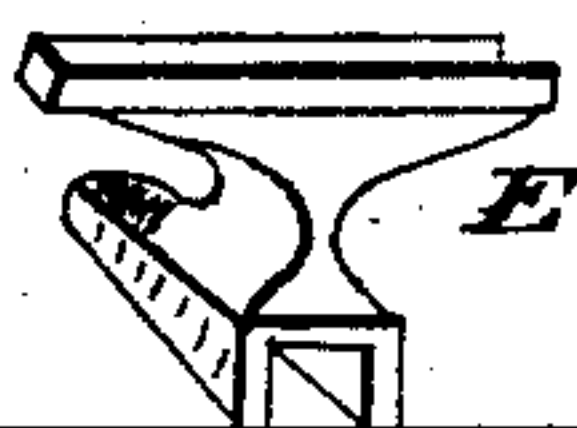


Fig. 4.



Witnesses.

Robert A. Heins.
James A. Heins

Inventor.

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United States Patent Office.

SETH WAY, OF LA PORTE, INDIANA.

Letters Patent No. 78,162, dated May 19, 1868.

IMPROVEMENT IN SLEDS.

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, SETH WAY, of La Porte, in the county of La Porte, and State of Indiana, have invented a new and useful Improvement in Bob-Sleds; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a front elevation.

Figure 3 is the tongue, fastened, without the head-block; and

Figure 4 represents one of the knees.

My improvements relate to that class of bob-sleds either for heavy or light draught, and the points on which I have made my improvements on former bob-sleds will appear from the claims hereinafter to be set forth.

In the drawings, A A are the runners, to which are attached the knees E E by bolts, which run through the runners A A and the shoe F, which bolts also fasten the shoe F to the runners A A, as well as the knees E E. The knees E E are cast iron, and may be either hollow or solid.

D D are the beams, to which are fastened the knees E E by means of the bolts g g g g g g g.

B B are the side-pieces, and are fastened to the beams D D by the bolts g g g g, and which bolts also fasten the knees E E to the beams D D.

C is the head-block, through which passes the rod H, to which the tongue K is attached by the rod H, run through, and in the slot in the front end of the head-block C, and which head-block C is attached to beams D D by bolts g g g g. In light bobs the head-block C need not extend further forward than the first beam D, but in bobs for heavy draught it strengthens it.

I I are thimbles, which may be made either of wood or iron, which hold the head-block C, the tongue K, and the braces J J, which braces J J are attached to the rod H, which is attached to bob by heavy bolts, which pass through the runners A A; the other end of the braces J J attached to the tongue K on either side in such a manner that the draught is proportioned properly.

The thimbles I I, in light bobs, without the head-block extended, run up to the tongue K, and hold it to its place in the centre of the rod H. The tongue K moves up and down with perfect ease.

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

The combination of the knees E E, head-block C, thimbles I I, braces J J, and tongue K, respectively, constructed and arranged substantially as set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

SETH WAY.

Witnesses:

ROBERT A. HEWS,

JAMES A. HEWS.