

(No Model.)

A. A. LINK.
Sleigh.

No. 236,502.

Patented Jan. 11, 1881.

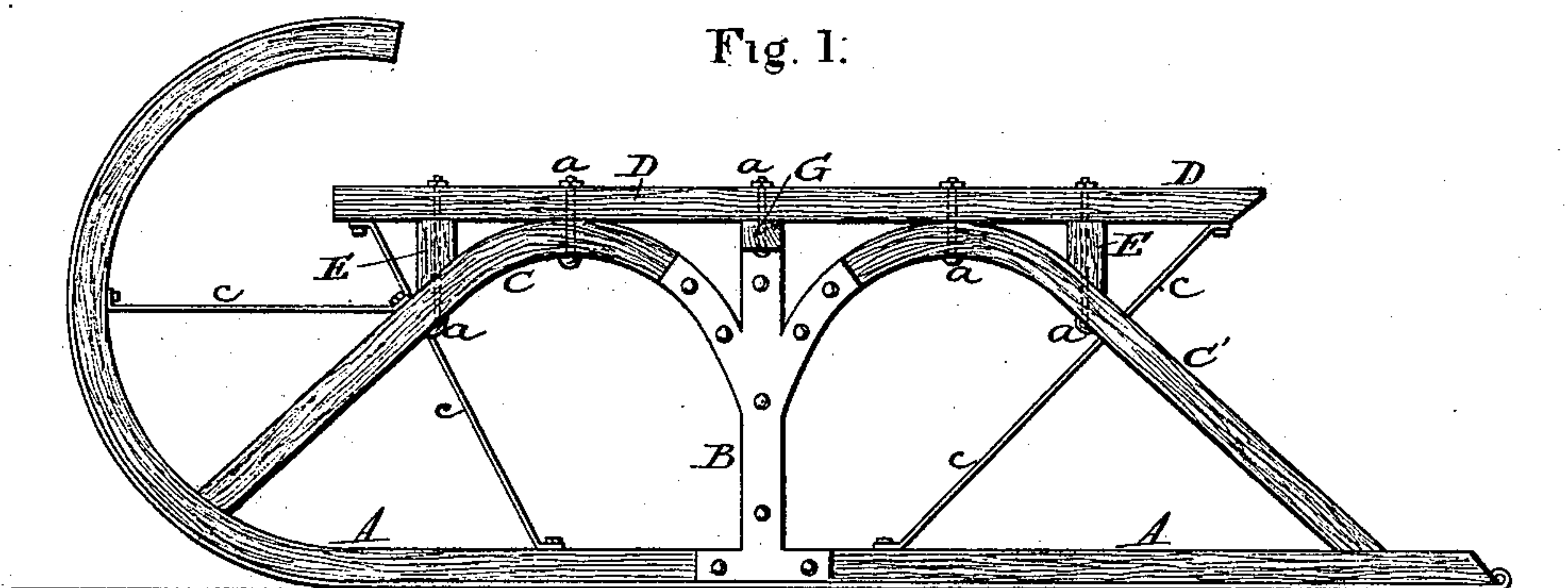
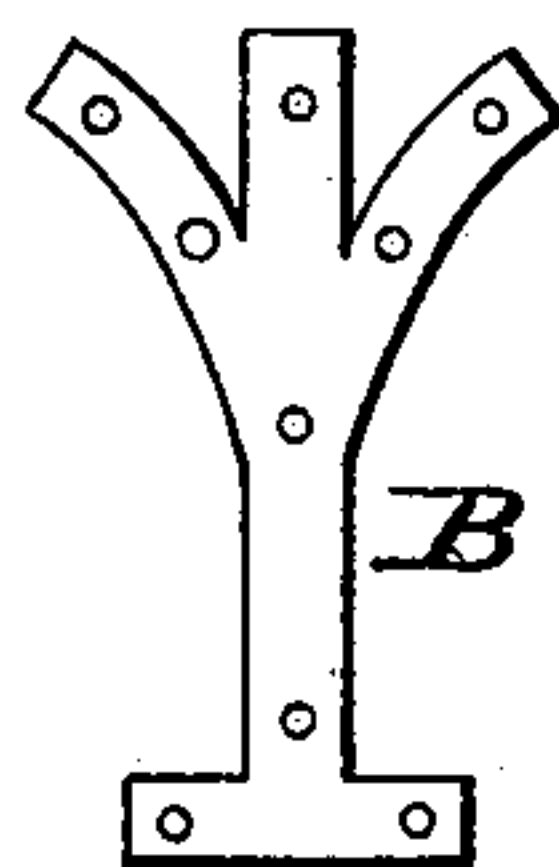


Fig. 2.



Attest.

Sidney P. Hollingsworth
Nathan C. Lane

Inventor.
Allen A. Link,
by Dodge & Son,
Attys.

UNITED STATES PATENT OFFICE.

ALLEN A. LINK, OF HUBBARDSTON, MICHIGAN.

SLEIGH.

SPECIFICATION forming part of Letters Patent No. 236,502, dated January 11, 1881.

Application filed October 11, 1880. (No model.)

To all whom it may concern:

Be it known that I, ALLEN A. LINK, of Hubbardston, in the county of Ionia and State of Michigan, have invented certain Improvements in Sleighs and Cutters, of which the following is a specification.

My invention consists in an improved manner of constructing the running-gear of sleighs and cutters, as hereinafter described, but more particularly in the combination of a central knee or standard upon the runner and two curved braces connecting the runner with opposite sides of the standard.

Figure 1 represents a side elevation of a sleigh constructed on my plan; Fig. 2, a view showing the iron plate used to connect the standard and braces.

A represents the runner, having a horizontal base or sole with one end curled upward, as usual.

B represents an upright knee or standard erected firmly upon the runner at or near its middle. This knee may be of any ordinary or suitable construction, and carries at its top a sill or cross-beam, G, to assist in supporting the sleigh-body.

C C' represent two arched or curved wooden braces arranged on opposite sides of the standard. Each brace has its upper end secured firmly to the standard at or near the middle, and curves thence upward to the under side of the sleigh-body and downward away from the standard to the end of the runner, to which it is securely fastened. The body or box of the sleigh, or a sill-piece, D, to receive the same, is seated upon the cross-beam G and the upper point of the curved braces. Two transverse beams or blocks, E, are also seated firmly between the braces and the sill or body to assist in sustaining and giving steadiness to the latter. Bolts *a*, passed down through the beams E G and the top or crown of the braces, serve to hold the parts firmly together and to keep

the body in place. The better to secure the braces in place, an iron plate of the shape represented in Fig. 2 is secured firmly to the outer side of the standard and braces, and represented in Fig. 1.

If desired, iron rods *c* may be applied, as shown in the drawings, to give additional strength to the structure, but in ordinary cases they are not necessary.

I am aware that arched side frames, standards, and arched braces have been constructed and arranged in various ways; but by the special combination and arrangement of the central standard and two arched braces on opposite sides of the same, as shown in the drawings, I produce a frame which is cheap, strong, and pleasing in appearance and otherwise superior to other frames.

Having thus described my invention, what I claim is—

1. The combination of the runner, the central standard thereon, the sill or body on the standard, the two braces, each extending from the runner to the sill, and thence downward to the standard, and the supports E, located between the sill and the outer sides of the braces, whereby the sill is given two supports each side of the standard.

2. A sleigh having its body supported on the runners by means of a central standard or knee, and two arched braces arranged on opposite sides of the standard and extending each from the runner to the body, and thence downward to the standard at a point midway of its height.

3. The combination of the runner, standard, sill, two arched braces, and the rods *c*, extended diagonally outward from the runner to the sill.

ALLEN A. LINK.

Witnesses:

C. O. THOMPSON,
E. E. HALL.