2. Sheets. Sheet. 1.

P. J. Schopp,

Skater's Support.

No. 108,395. Patented Oct. 18. 1870.

Fig 1.

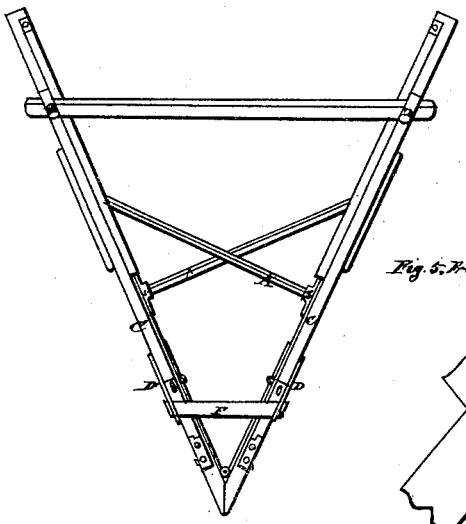


Fig. 5. Front View of Bracket G.

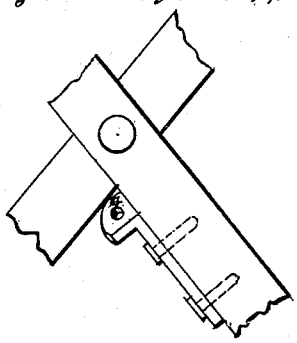
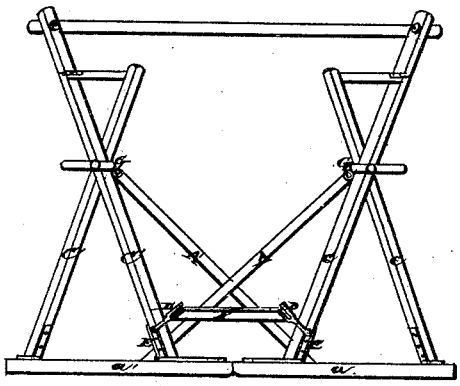


Fig. 2. Front Elevation



Witnesses:
Richard M. Disney.
Arnold Schoepp.

Inventor
Philip J. Schoepp.

P. J. Schopp,

2. Sheets. Sheet 2.

Skater's Support.

No. 108,395. Patented Oct. 18. 1870.

Fig 3 Side-View of foot-board holder

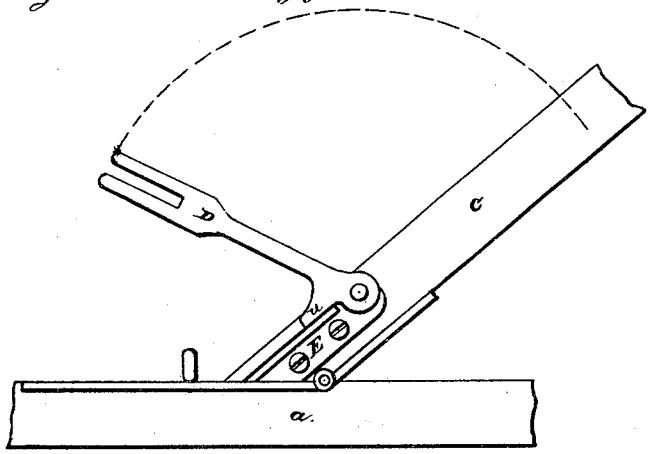
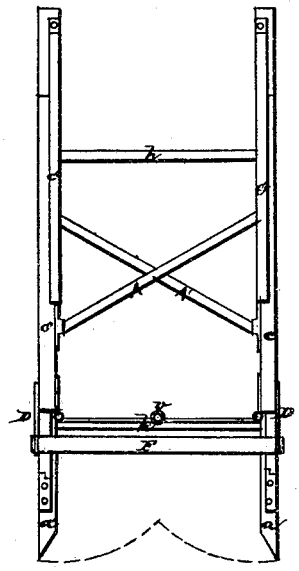


Fig 4. Showing the sleigh with parallel runners



Witnesses:
Richard M. Dinny
Arnold Schopp

Inventor:
Philip J. Schopp.

United States Patent Office.

PHILIP JACOB SCHOPP, OF LOUISVILLE, KENTUCKY.

Letters Patent No. 108,395, dated October 18, 1870.

IMPROVEMENT IN APPARATUS FOR THE SUPPORT OF SKATERS.

The Schedule referred to in these Letters Patent and making part of the same.

I, PHILIP JACOB SCHOPP, of Louisville, in the county of Jefferson and State of Kentucky, have invented a certain Improvement in an Apparatus for the Support of Skaters and Invalids, of which the following is a specification.

Nature and Object of the Invention.

The first part of my invention relates to the combination of diagonal braces and their fastenings to the runners and bearers of an apparatus for the support of skaters, &c., already patented February 9, 1869, Letters Patent No. 86,699.

The object of this part of my invention is to give a better support to the bearers *c c′ c″ c‴*.

The second part relates to the combination of a pair of forks, with foot-board attached, with the bearers *c c′*. The object is to secure a more comfortable rest for the feet of the person seated on the sleigh.

The third part of the invention relates to the combination of the bearers and braces with parallel runners, the object of which is to use the sleigh also in streets covered with snow, in which a sleigh with parallel runners can more advantageously be used as the triangular sleigh.

Description of the Accompanying Drawing.

Figure 1 is a plan showing the improvements, arranged with the triangular shape of the sleigh.

Figure 2 is a front view of the triangular-shaped sleigh.

Figure 3 is a side view, showing the forks, attached to bearer, on a larger scale.

Figure 4 is a plan, showing sleigh with parallel runners.

Figure 5 is a view of a bracket, bolted to bearers *c″ c‴*, to hold diagonal braces.

General Description.

A A′ are two diagonal braces, resting on the runners or beams *a a′*, in sockets *s s′*, and fastened to bearers *c″ c‴* by means of bracket G and a bolt.

D D′ are iron forks, projecting at an angle from the bearers *c c′*.

These forks are fastened to flange E by a bolt, but loosely, to allow the forks to be turned dow n and laid alongside bearers *c c′*, whenever the sleigh is folded.

The forks are provided with a shoulder, *u*, which rests on flange E, and keeps the forks in an up right position.

A foot-board, F, is slipped between the forks, and affords an easy rest for the feet of the person seated on the sleigh.

Bearers *c c′ c″ c‴* and braces A A′ can also be combined with parallel runners, either in combination with horizontal braces *h h′*, or combined with a double hinge, *v*, converting, at pleasure, the triangular-shaped sleigh into one with parallel runners. In this case a double set of diagonal braces is needed, to answer the changed angle and length between the bearers.

The bracket G is provided with a slit or enlarged hole, to adapt itself and bolt to different angles.

The braces can be dressed to answer the openings of the socket.

The forks for the foot-board will answer for both arrangements. A larger foot-board is needed for sleighs with parallel runners.

Claims.

I claim as my invention—

1. The combination of the socket *s s′*, braces A A′, brackets G G′, runners *a a′*, and bearers *c c′ c″ c‴*.

2. The combination of bearers *c c′ c″ c‴*, flange E E′, fork D D′, and foot-board F.

3. The combination of braces A A′, bearers *c c′ c″ c‴*, hinge *v*, braces *h h′*, with parallel runners *a a′*, substantially as and for the purpose hereinbefore set forth.

PHILIP J. SCHOPP.

Witnesses:
RICHARD M. DISNEY,
ARNOLD SCHOPP.