No. 871,642. PATENTED NOV. 19, 1907.

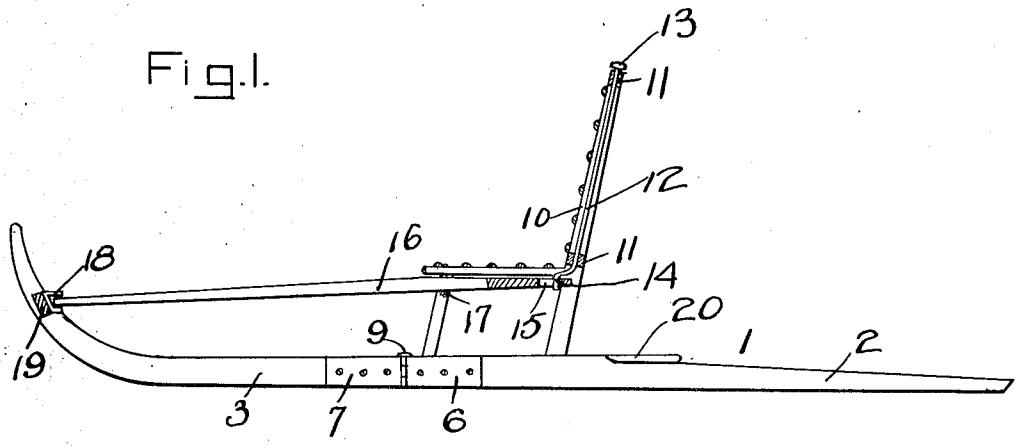
I. SELLSTONE.

SLED.

APPLICATION FILED MAY 25, 1907.

2 SHEETS—SHEET 1.

Fig. 1.



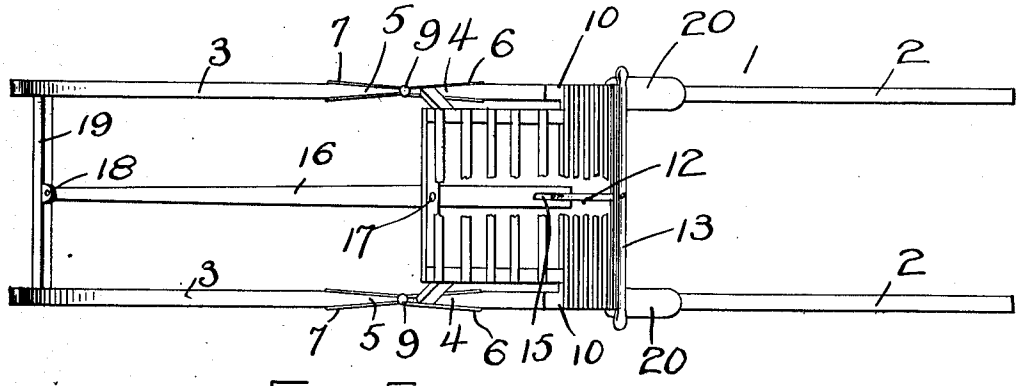


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

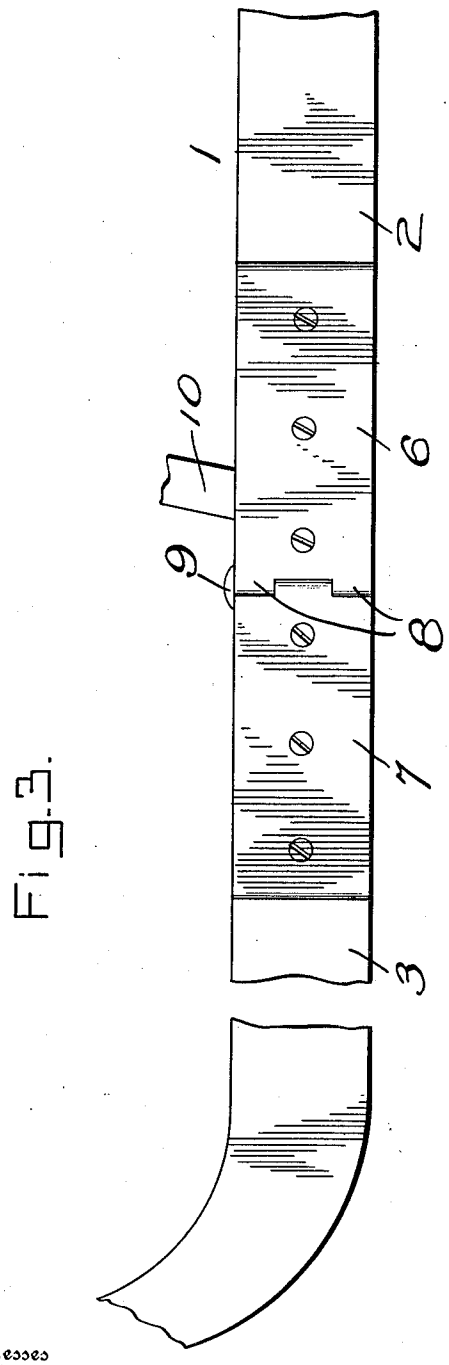


Fig. 3.

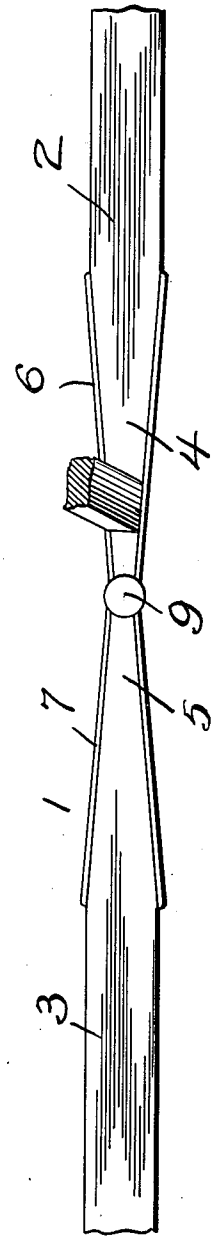


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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No. 871,642. Specification of Letters Patent. Patented Nov. 19, 1907.

Application filed May 25, 1907. Serial No. 375,706.

To all whom it may concern:

Be it known that I, IVAR SELLSTONE, a citizen of the United States, residing at Brockton, in the county of Plymouth, State of Massachusetts, have invented certain new and useful Improvements in Sleds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in sleds and it has particular reference to a sled designed to be operated by foot power and constructed so that one or more persons can stand on the runner and kick with their feet so as to propel the sled forwardly.

In connection with a sled of the above type the invention aims as a primary object to provide a novel construction, combination and arrangement of parts, the details of which will appear in the course of the following description in which reference is had to the accompanying drawings, forming a part of this specification, like characters of reference designating similar parts throughout the several views, wherein:—

Figure 1 is a sectional view of a sled constructed in accordance with the present invention. Fig. 2 is a top plan view thereof, the seat being broken away centrally thereof to show the connections of the steering arm. Fig. 3 is an enlarged side elevation of the runner showing the hinge joints between the sections. Fig. 4 is an enlarged top plan view of such hinge joint.

Referring specifically to the accompanying drawings, the numeral 1 designates the runners, which are constructed in rear sections 2, and in front sections 3, hingedly connected to said rear sections for the purpose of steering the structure. The sections 2 and 3 are pointed as at 4 and 5 adjacent their meeting ends, and are equipped with V-shaped hinge leaves 6 and 7 which at their apices are formed with loops 8 through which is engaged a hinge pin 9 as shown more particularly in Fig. 4. A chair 10 is supported from the sections 2 conjointly and includes upper and lower cross bars 11 in which is mounted a vertical rock shaft 12 carrying at its upper end a handle 13 and at its lower end having a crank arm 14, which is engaged in a longitudinal slot 15 provided in the rear end of a lever 16, the latter being pivoted as at 17 beneath the frame of the chair and at its front end having pivotal connection as at 18 with the cross piece 19 which unites the curved front ends of the sections 3.

The sections 2 are preferably enlarged as at 20 rearwardly of the chair 10 and in use one or more persons stand upon the enlarged portions 20 with one foot and with their other foot kick against the snow or ice to push the sled forwardly, shoes having spurs being preferably employed for this function.

A sled constructed in accordance with the present invention is simple, inexpensive to manufacture and practical and efficient in use.

From the foregoing description it will be seen that simple and efficient means are provided for accomplishing the objects of the invention, but while the elements herein shown and described are well adapted to serve the functions set forth, it is obvious that various minor changes may be made in the proportions, shape and arrangement of the several parts, without departing from the spirit and scope of the invention as defined in the appended claims.

What is claimed is:

A sled of the type set forth, comprising runners formed in sections pointed at their meeting ends and provided with hinge leaves, hinge pins engaged through said leaves, the front section serving as steering sections and being connected by a cross piece, a chair mounted on the rear sections and including a horizontal cross piece, a vertical rock shaft journaled in said cross piece and carrying a handle at its upper end and a crank arm at its lower end and a centrally located longitudinal arm having pivotal connection with said first named cross piece and formed at its rear end with a slot surrounding said crank arm.

In testimony whereof, I affix my signature, in presence of two witnesses.

IVAR SELLSTONE.

Witnesses:
AXEL NELSON,
JOHN OLSON.