

G. A. LOCKWOOD.

Sleds.

No. 148,719.

Patented March 17, 1874.

Fig. 1.

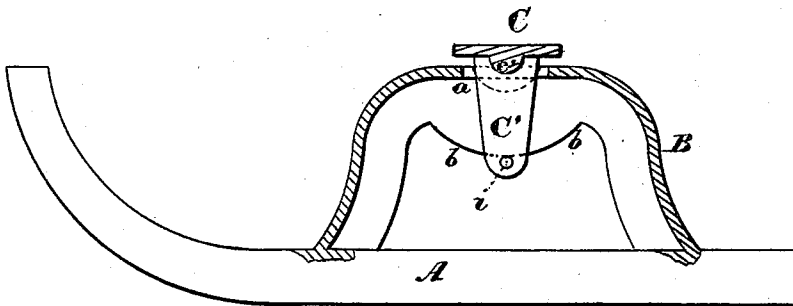


Fig. 2.

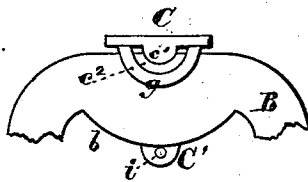
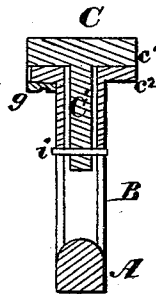


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

GEORGE A. LOCKWOOD, OF NEVADA, IOWA.

IMPROVEMENT IN SLEDS.

Specification forming part of Letters Patent No. 148,719, dated March 17, 1874; application filed August 23, 1873.

To all whom it may concern:

Be it known that I, GEORGE ALANSON LOCKWOOD, of Nevada, in the county of Story and State of Iowa, have invented a new and valuable Improvement in Bearings for Bob-Sled Runners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal section of my bob-sled. Fig. 2 is a detail of same. Fig. 3 is a sectional detail of same.

This invention relates to a novel mode of connecting the bodies of sleds to their runners, so as to allow a longitudinal rocking motion of the runners independent of the bodies. It consists in a half-round rocking plate, which is supported and held down upon a corresponding seat or bearer on the knee of the runner, and constructed with a tenon, which passes vertically through the knee, and receives a holding-down pin transversely through it, as will be hereinafter explained.

In the accompanying drawing, A represents the runner of a bob-sled; and B, an open elevated knee, on top of which the body of the sled is mounted. On top of this knee I form a laterally-elongated concave seat, c^2 , of greater length than the width of the knee, and which extends out equal distances on opposite sides thereof. Upon this seat a cap-plate, C, has its bearing, on the bottom of which plate a half-round tenon, c^1 , and a tongue, C^1 , are formed. The tenon is received into the seat c^2 , and allows the cap-plate C to rock freely

forward and backward, and the tongue C^1 passes vertically through the top of the knee B and receives a pin, i , transversely through its lower end, just beneath arcs of circles b , which are concentric to the axis of motion of the rocking cap-plate C, as shown in Figs. 1 and 2. The tongue C^1 steadies the cap-plate C, and the pin i holds this plate down securely upon its seat. Outside of the knee, and applied beneath the elongated and rounded ends of the seat c^2 , is a semicircular strap, g , which is grooved, as shown in Fig. 3, and intended to serve in connection with a band, and suits as a means for securing the body of the sled down upon its cap-plate in a very substantial manner. This strap, with its fastening, also assists in holding the cap-plate down upon its seat, and at the same time to allow the required longitudinally-rocking motion.

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

1. The rocking cap-plate C constructed with a tenon, c^1 , which is supported in a seat, c^2 , in combination with a tongue, C^1 , which passes vertically through a slot, a , and receives a pin, i , through it beneath arcs b , substantially as described.

2. The cap-plate C having the semicircular strap g , combined with the elongated half-rounded portion of the seat c^2 , to rock with the runner and knee, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE ALANSON LOCKWOOD.

Witnesses:

ALFRED GOODIN,
A. HAGUE.