

O. C. SIMENSON.
 RUNNING GEAR FOR BOB SLEDS.
 APPLICATION FILED JULY 28, 1909.

968,705.

Patented Aug. 30, 1910.

Fig. 1.

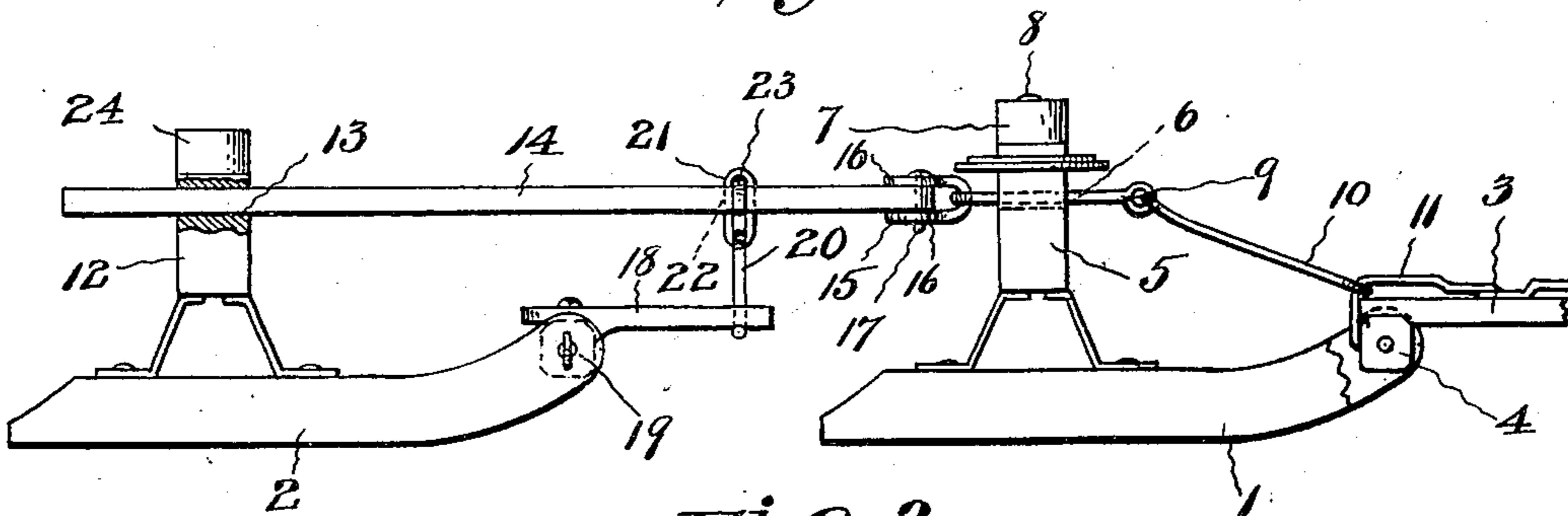


Fig. 2.

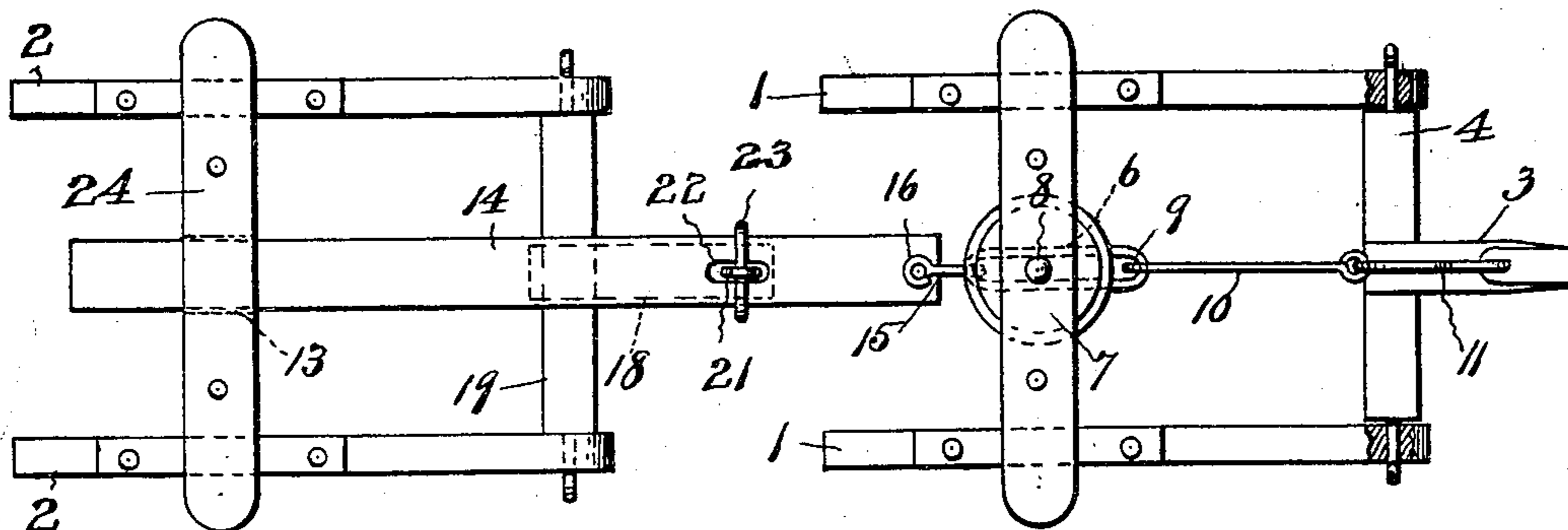


Fig. 3.

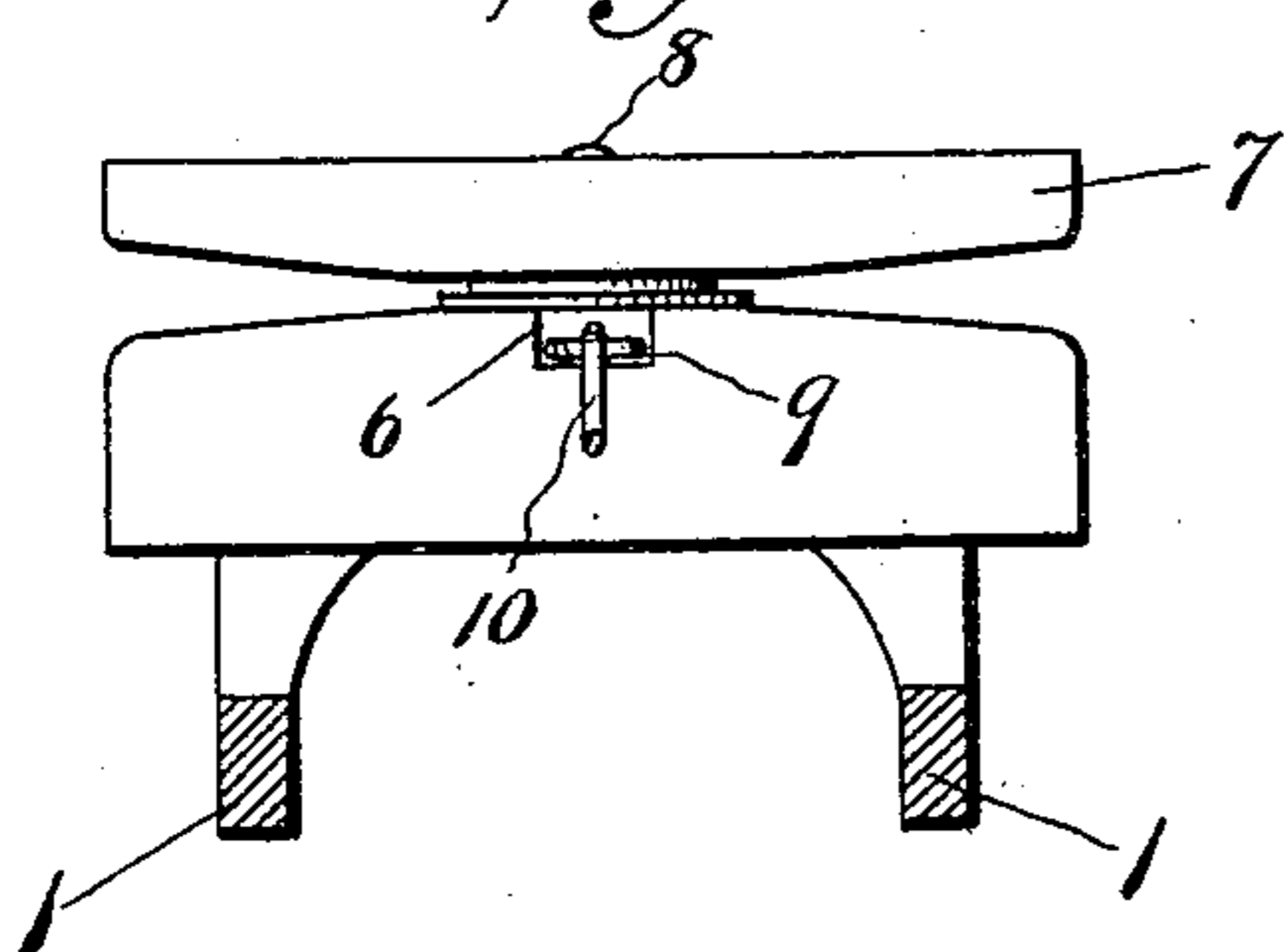
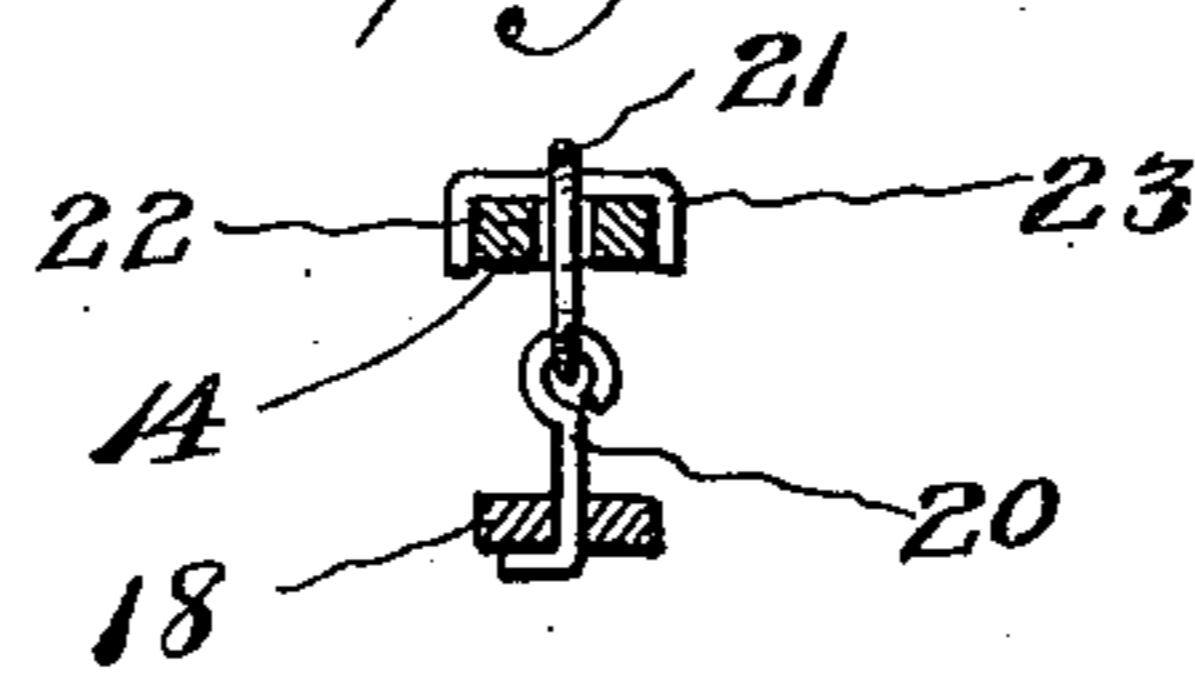


Fig. 4.



WITNESSES

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RUNNING-GEAR FOR BOB-SLEDS.

968,705.

Specification of Letters Patent.

Patented Aug. 30, 1910.

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To all whom it may concern:

Be it known that I, OSCAR C. SIMENSON, a citizen of the United States, and a resident of Waukon, in the county of Allamakee and State of Iowa, have invented certain new and useful Improvements in Running-Gears for Bob-Sleds, of which the following is a specification.

My invention relates to running-gears for double-runner bob-sleds, and has for its object the provision of means by which the reach-pole is connected directly to the draft-pole, and the rear runner secured by means of a draft-beam secured to the front ends of the runners to the reach-pole, the rear end of the reach-pole being slidably mounted in the bunk of the rear runners so that the pull on the rear runners is exerted at their front through the draft-beam aforesaid.

My invention will be described in detail hereinafter and illustrated in the accompanying drawings, in which—

Figure 1 is a side view of my improved running-gear; Fig. 2, a top plan view showing the bolsters in section; and Fig. 3, a front view and Fig. 4 a view in cross-section of the reach-pole and draft-beam connected to the rear runners.

In the drawings similar reference characters indicate corresponding parts throughout all of the views.

1 indicates the front runners and 2 the rear runners of my improved bob-sled, the front runners having the draft-pole 3 pivotally secured to their front ends by cross-rod 4 in the usual manner. The bunk 5 of the front runner is formed with a central transverse groove 6, above which is the bolster 7, swivelly mounted by means of king-pin 8.

9 indicates a link loosely mounted in groove 6 and connected by means of rod 10 with a clevis 11, secured to the rear end of draft-pole 3. The bunk 12 of the rear runners 2 is also formed with a transverse groove 13, in which is slidably mounted the reach-pole 14, having its front end secured to link 9 by means of U-shaped strap 15, having eye-loops 16 to receive a bolt 17, secured through a hole in the front end of the reach-pole.

18 indicates a draft-beam secured to cross-

rod 19, swivelly secured to the front ends of runners 2, 20 an eye-bolt secured in the front end of said draft-beam, 21 a link engaging said eye-bolt 20 and mounted in slot 22 in reach-pole 14, and 23 a pin engaging the link 21 to hold the link in engagement with the slot aforesaid.

24 indicates the bolster on the rear runners 2, which are secured to bunk 12 in the usual manner.

It will be understood from this construction that the pull on the rear runners is exerted on the front ends of the runners through draft-beam 18, secured to reach-pole 14 by means of eye-bolt 20 and link 21, and that the pull on the reach-pole is directly from the draft-pole 3 through rod 10, link 9, and U-shaped strap 15, and that the advantage of this construction is that the rear runners are pulled over any obstructions that may be encountered in the road and the pull on the draft-pole lessened.

Having thus described my invention, what I claim is—

A running-gear for double-runner bob-sleds, consisting of front and rear runners, bunks mounted on said runners each having a transverse groove therein, a roller pivotally secured to the front runners the draft-pole secured to the roller, the reach pole slidably mounted in the groove in the rear bunk and formed with a vertical slot intermediate of its ends, a roller secured to the front ends of the rear runners a draft-beam secured to said roller, an eye-bolt secured to the free end of said draft-beam, a link secured to said eye-bolt and mounted in the slot on the reach-pole, a pin engaging said link and the top of the reach-pole, a link mounted in the groove in the front bunk and pivotally secured to the front end of the reach-pole, and a rod pivotally secured to the last-mentioned link and to the draft-pole, substantially as shown and described.

In witness whereof, I have hereunto set my hand in presence of two subscribing witnesses.

OSCAR C. SIMENSON.

Witnesses:

HENRY DAYTON,
ALFRED SIMENSON.