

No. 619,433.

Patented Feb. 14, 1899.

J. B. PAINE.

BOB SLED.

(Application filed May 6, 1898.)

(No Model.)

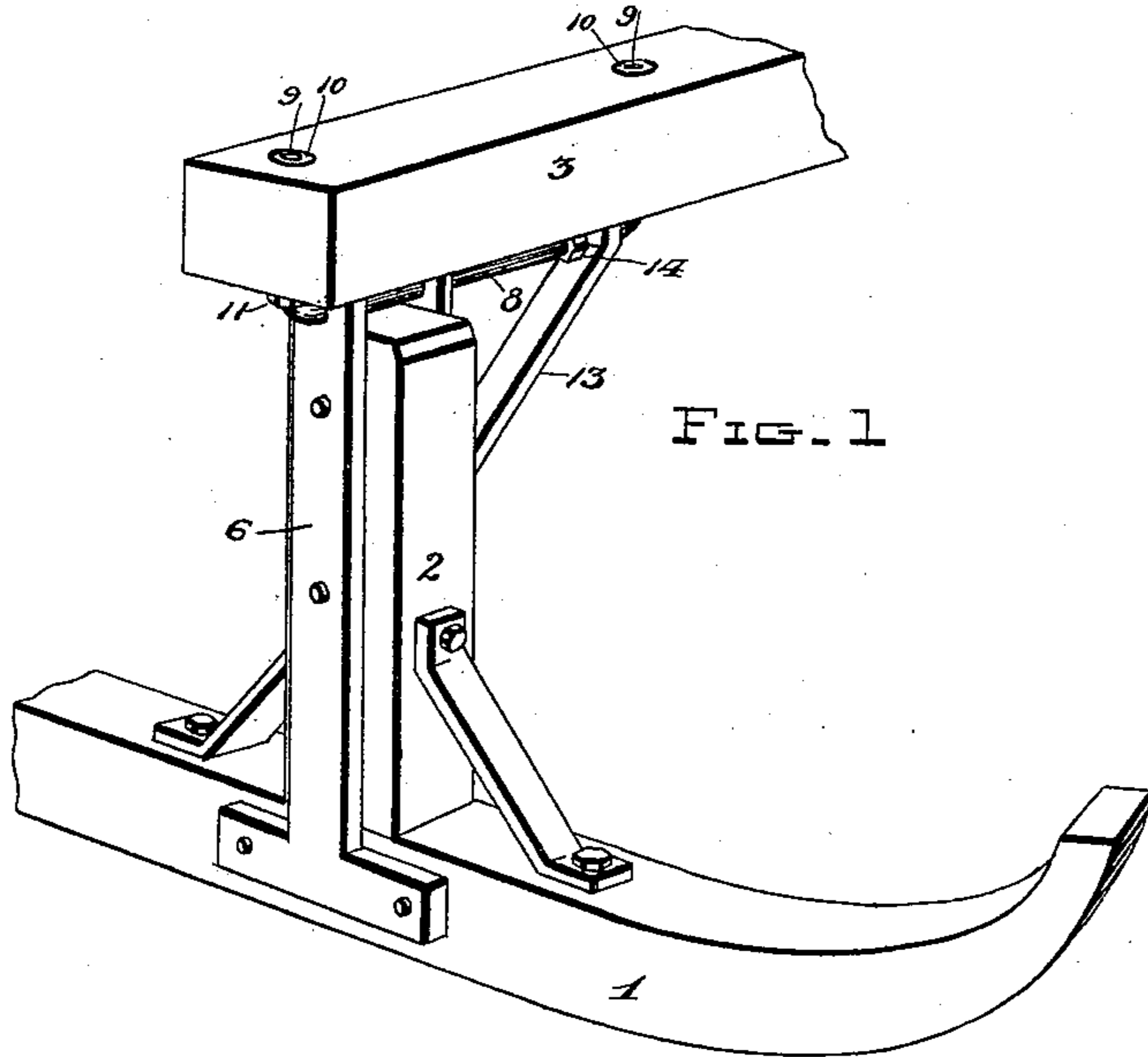


FIG. 1

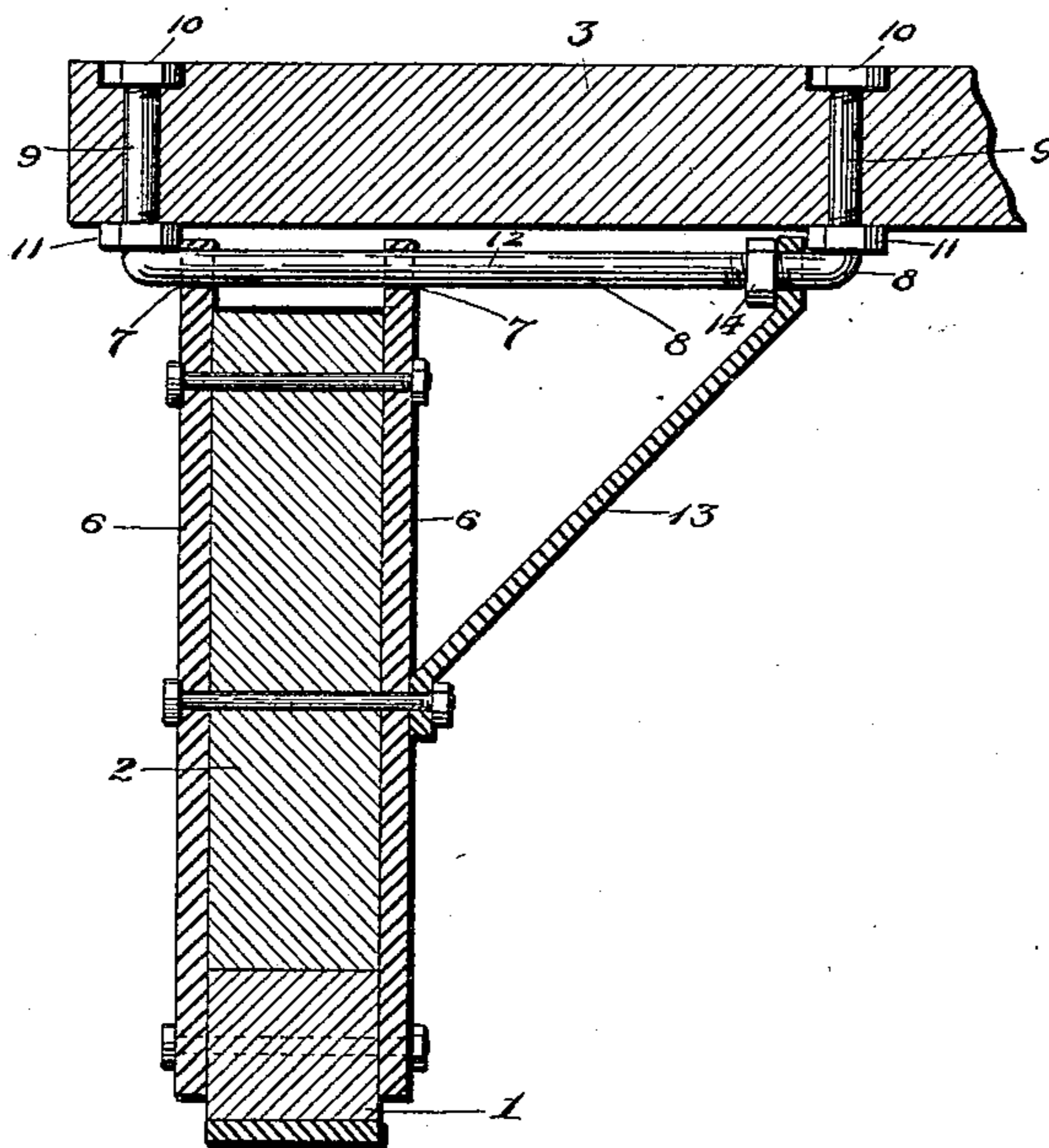


FIG. 2

Witnesses

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JOSEPH B. PAINE, OF ALCESTER, SOUTH DAKOTA.

BOB-SLED.

SPECIFICATION forming part of Letters Patent No. 619,433, dated February 14, 1899.

Application filed May 6, 1898. Serial No. 679,968. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH B. PAINE, a citizen of the United States, residing at Alcester, in the county of Union and State of South Dakota, have invented certain new and useful Improvements in Bob-Sleds; and I do 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.

The invention has relation to bob-sleds, and more particularly to means for connecting the runners to the cross-piece or bolster to permit of a rocking motion of one part with respect to the other, thereby preventing undue jars to the body of the sled incident to the runners passing over any obstructions or inequalities in the road.

The object of the invention is to provide a sled of this character which shall be simple of construction, durable in use, and comparatively inexpensive of production.

With this object in view the invention consists in certain features of construction and combination of parts, which shall be herein-
after more fully described and claimed.

In the drawings, Figure 1 is a perspective view of as much of a bob-sled as is necessary to illustrate the invention. Fig. 2 is a vertical sectional view through the bolster, knee, and runner.

In the drawings, 1 denotes the runner, 2 the knee, and 3 the bolster. These parts may be of any well-known or approved construction. The sides of the knee are preferably strengthened or reinforced by metallic straps 6, bolted in place and provided at their upper ends with eyes 7.

8 denotes an elongated staple, the vertical limbs 9 of which project through the bolster or cross-piece of the sled and receive nuts 10 at their upper ends.

11 denotes jam-nuts secured to the lower ends of the vertical limbs 9 and serve to prevent the bolster being forced down against the horizontal portion 12 of the staple. The upper ends of the strengthening or reinforcing straps are connected to the horizontal portion 12 of the staple and are prevented from coming in contact with the under side of the bolster by reason of the nuts 11, which hold the portion 12 away from the bolster, thus permitting of a free forward rocking movement of the bolster, which would not be the case

were the portion 12 of the staple permitted to come in contact with the under side of the bolster.

13 denotes a brace which is connected to the inner strap of each knee and has its upper end formed with an eye pivoted to the portion 12 of the staple. A jam-nut 14 is screwed upon the inner end of the portion 12 of the staple and serves to prevent the upper end of the brace moving outwardly along the portion 12 of the staple, thereby preventing the spreading of the knees.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of the invention will be readily understood without requiring an extended explanation.

I am aware of the fact that I am not the first to provide a rocking runner for a bob-sled.

I am also aware of the fact that staples have been employed for the purpose of connecting the knee with the cross-piece or bolster of the sled, and would have it distinctly understood that I do not seek to claim such constructions broadly; but

What I do claim, and desire to secure by Letters Patent, is—

The combination with the bolster, knee and runner, of a bob-sled, straps secured to the knees and having eyes at their upper ends, an elongated staple having its vertical limbs passed through the bolster and its horizontal portion through the eyes of the straps, nuts secured on the upper ends of the vertical limbs, nuts on the lower ends of the vertical limbs to hold the horizontal portion of the staple below and free from contact with the under side of the bolster, a diagonal brace, the lower end of which is connected to the inner strap of the knee, and the upper end of which is formed with an eye pivoted to the horizontal portion of the staple, and a stop or nut to prevent the longitudinal movement of the eye on the horizontal portion of the staple, and thereby prevent spreading of the knee, substantially as set forth for the purpose described.

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

JOSEPH B. PAINE.

Witnesses:

WASHINGTON GREEN,
MYRTLE FOSBURG.