No. 696,991. Patented Apr. 8, 1902.

J. C. MEYERS.

BOB SLED.

(Application filed Oct. 19, 1901.)

(No Model.)

Fig. 1.

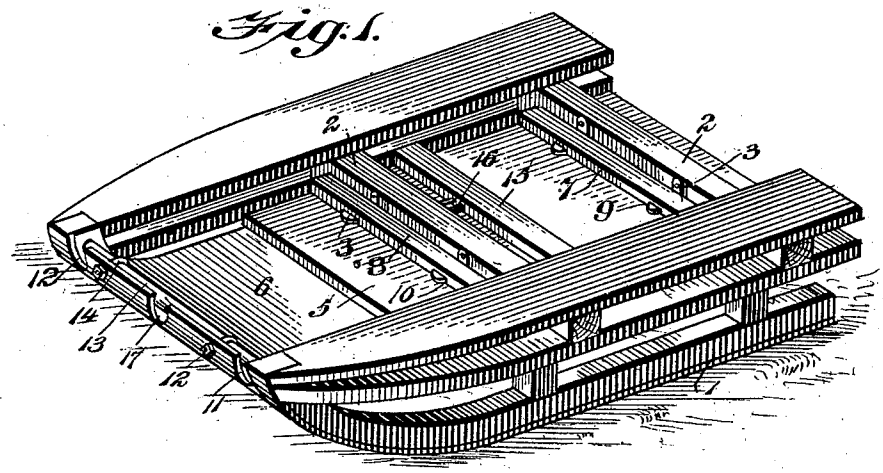


Fig. 2.

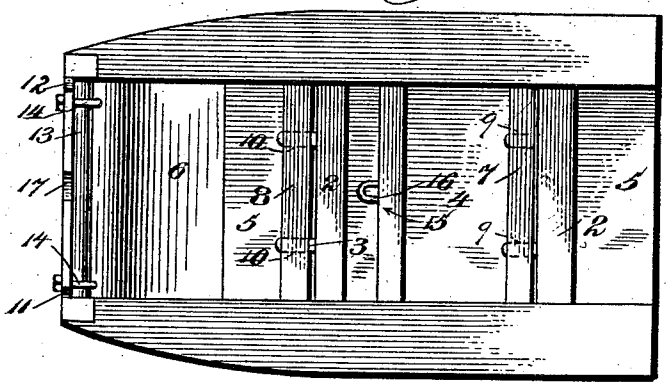
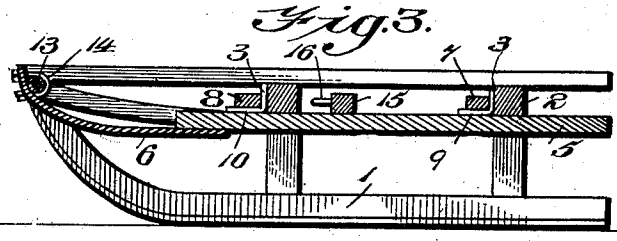


Fig. 3.



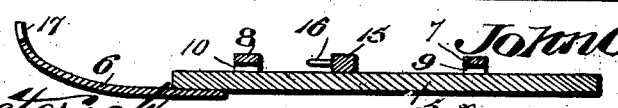


Fig. 4.

Witnesses

H. E. Dieterich

John F. Byrne.

Inventor,

John C. Meyers

By Victor J. Evans

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN C. MEYERS, OF CENTERVILLE, MICHIGAN.

BOB-SLED.

SPECIFICATION forming part of Letters Patent No. 696,991, dated April 8, 1902.

Application filed October 19, 1901. Serial No. 79,280. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. MEYERS, a citizen of the United States, residing at Centerville, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Bob-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 sleds of the character known as "bob-sleds," and has for its object the providing of means which may be readily attached to any sled of this character, whereby they are prevented from sinking too deeply into the snow, thereby facilitating the use of bob-sleds in deep snow.

The invention consists in the construction, combination, and arrangement of parts, as will be hereinafter fully described and claimed, and illustrated in the accompanying drawings, illustrating the preferred form of my invention, and in which—

Figure 1 is a perspective view of a sled, showing my invention attached thereto. Fig. 2 is a top plan view thereof. Fig. 3 is a vertical longitudinal section; and Fig. 4 is a vertical longitudinal section of the guard, the same being detached from the sled.

Referring now to the drawings by numerals, 1 designates the runners of an ordinary bob-sled, and 2 the cross-bars thereof, having attached thereto L-shaped brackets 3.

4 designates a guard-board, comprising a body portion 5, preferably of wood, and a metal front 6, which may be attached thereto in any preferred manner. The said body portion 5 is provided with transversely-arranged cleats 7 and 8, having openings 9 and 10, and is secured to the under side of the sled by inserting the brackets 3 in the said openings. The front 6 is upwardly curved to enable it to pass over the surface without liability of the snow being directed upon the guard-board. I thus provide a smooth-running sled when the runners sink to the level of said guard-board. The front 6 is cut out along its upper edges, as at 11 and 12, to permit of the draft appliance being attached to the draft-bar 13, to which the front is secured by the U-shaped clamps 14.

It will be readily seen from the construction of the guard-board and the manner of attaching the same to a sled that the sled is prevented from sinking into the snow beyond said guard, thereby permitting sleds of this character to travel freely in deep snow. The guard can be attached to any bob-sled by simply placing the brackets 3 thereon.

In Fig. 4 I have illustrated the guard detached from the sled to be utilized as a stone-boat, which is accomplished by providing the same with an additional cleat 15, having a draft-eye 16, and the front 6 with a central cut-out portion 17, through which the draft appliance may pass to the draft-eye. Thus it will be seen that the improved guard is a very convenient farm appliance, as it may be utilized either as a guard for bob-sleds or as a stone-boat, and the device may be placed upon the market as a complete article of manufacture and can be attached to a sled by an unskilled person.

I would have it understood that the invention is not restricted to the use of wood in the construction of the body of the guard or metal for the front, as the whole guard may be of metal or wood or part metal and part wood, as preferred.

Having described my invention, what I claim is—

1. The combination with a sled, having brackets secured thereto, of a guard comprising a body portion and a front, said front being upwardly turned and cut out to permit of the draft appliance being attached to the draft-bar, means for attaching said front to the draft-bar, and slotted cleats secured transversely to said body portion.

2. As an article of manufacture, a sled-guard comprising a body portion, an upturned front having a central opening and secured to the body portion, and a transverse cleat provided with a draft attachment.

3. The combination with a sled, of L-shaped brackets secured to the cross-bars thereof, a guard, and cleats transversely arranged on the guard and having slots through which extend the horizontal members of said brackets to secure the guard in position.

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

JOHN C. MEYERS.

Witnesses:
WM. H. PEIRCE,
WM. B. WORTHINGTON.