

A. CORBETT.

Lance for Propelling Sleighs.

No. 165,547.

Patented July 13, 1875.

Fig. 1.



Fig. 2.

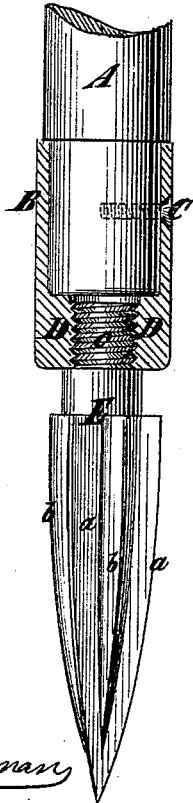
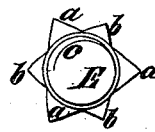


Fig. 3.



Witnesses

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ADOLPHE CORBETT, OF HICKSVILLE, NEW YORK.

IMPROVEMENT IN LANCES FOR PROPELLING SLEIGHS.

Specification forming part of Letters Patent No. **165,547**, dated July 13, 1875; application filed March 4, 1875.

To all whom it may concern:

Be it known that I, ADOLPHE CORBETT, of Hicksville, in the county of Queens and State of New York, have invented what I term a Sleigh-Lance for use in Propelling Sleds and Sleighs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification.

The principal object of this invention is to afford an implement, by the aid of which boys may propel themselves on their sleds by the muscular power of their arms, and thereby exercise that portion of the body, which is so necessary to the attainment and preservation of perfect health. To this end it consists in a lance composed of a handle or staff and a pointed head secured together, as will hereinafter be described. The staves or handles of a pair of these lances are held one in each hand, and are thrust down to indent the pointed heads into the ice or snow, and then a backward force is exerted upon them to push the sled forward. In this way the lungs and arms may be exercised in a manner which will afford boys much enjoyment while playing with their sleds.

In the accompanying drawing, Figure 1 is a view of a boy propelling himself along ice by means of a pair of the improved sleigh-lances. Fig. 2 is a sectional side view of the pointed head and lower portion of the staff of a full-sized lance, and Fig. 3 is a top view of the head of a lance detached from the staff.

Similar letters of reference indicate corresponding parts in all the figures.

A designates the staff of the lance. It is represented as being straight, and may be of any suitable length. B designates a metal ferrule, which is secured to the lower end of the staff A, preferably by driving it forcibly in place, and securing it by a screw, C, passing transversely through it and into the staff.

In its outer end this ferrule B is provided with a screw-socket or female screw-thread D. The head of the lance consists of a core or body which tapers toward the lower end, and is provided with two series of longitudinal sharp V-shaped ribs, *a b*, some of which *a* traverse it from end to tip, and others of which *b* do not extend to the tip, as will be seen by reference to Fig. 2. The object of these ribs is to afford to the head an extensive perimetrical surface, and enable it to stick into the ice or snow without entering so far as to require any considerable exertion to withdraw it. The ribs *b b* are of use only when the head enters deeply into the ice and snow, as it will when they are in a soft melting condition. These ribs then afford an increase of surface, and prevent the lance from slipping. On the top of the lance-head E is an externally screw-threaded boss or nipple, *c*, which is adapted to screw into the socket D in the ferrule, and thereby secure the lance-head to its staff. If desirable, each end of the staff may be provided with a head, so that should one head become broken or dulled the lance may still be used. Each head may have several points.

It is obvious that this is an extremely simple and cheap implement, and may be the means of affording boys much innocent and healthy exercise and enjoyment.

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

The handle A and the metallic ferrule B attached thereto, and having the female screw-threaded socket D, in combination with the pointed head E having a screw-nipple or boss, *c*, and longitudinal ribs *a b*, all substantially as and for the purpose set forth.

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Witnesses:

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