(No Model.)

T. BUCKINGHAM.

Sleigh.

No. 233,200. **Patented Oct. 12, 1880.**

Fig. 1.

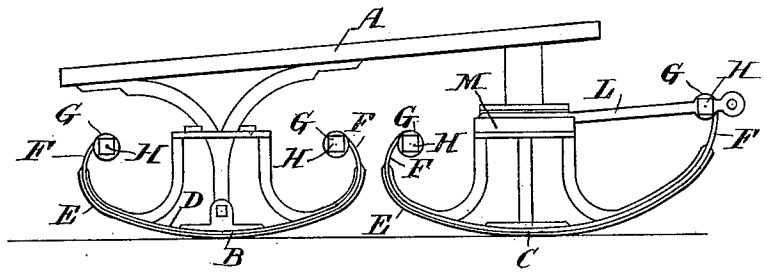
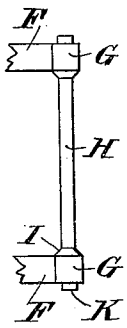


Fig. 2.



Witnesses

E. Bouchard

Charles G. L. Simpson

Inventor

T. Buckingham

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

THOMAS BUCKINGHAM, OF ST. CUNEGONDE, MONTREAL, QUEBEC, CANADA.

SLEIGH.

SPECIFICATION forming part of Letters Patent No. 233,200, dated October 12, 1880.

Application filed August 28, 1880. (No model.)

To all whom it may concern:

Be it known that I, THOMAS BUCKINGHAM, of the town of St. Cunegonde, District of Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Sleighs; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention has reference to an improved construction of the ends of the runners of sleighs, providing runners having both ends turned up and secured at the desired distance apart by through-bolts forming stays between the two runners.

In the drawings hereunto annexed similar letters of reference indicate like parts.

Figure 1 is a side elevation embodying my invention. Fig. 2 is a detail plan of part of Fig. 1.

Letter A is the frame of any ordinary sleigh, to which are attached the runners in any ordinary way, or as shown in the drawings.

The runner B is composed of a plate, on which is secured a steel shoe-plate, E. The ends F of the plate D are turned up and formed at the extremity into an eye, G, to receive the ends of the through-bolts or distance-stays H.

I are collars on the bolt H, so that by screwing the nuts K up the two runners are held firmly at the required distance apart. The runner C is also similarly provided with parts E F G H, having I and K; but in this case, as it is the forward runner, it has to be provided with a draw-bar, L, connecting with the beam M, and by turning up the rear ends, F, and providing them with the bolt H the ordinary connections between the rear end, F, and the beam M is rendered unnecessary. Where sleighs are made with a single pair of runners their ends may be similarly arranged.

What I claim as my invention, and wish to secure by Letters Patent, is as follows:

The combination in the runners of a sleigh of the turned-up ends F, formed at their extremities into eyes G, with bolts H, constructed and arranged as described.

T. BUCKINGHAM.

Witnesses:

E. BOUCHARD,

CHARLES G. C. SIMPSON.