

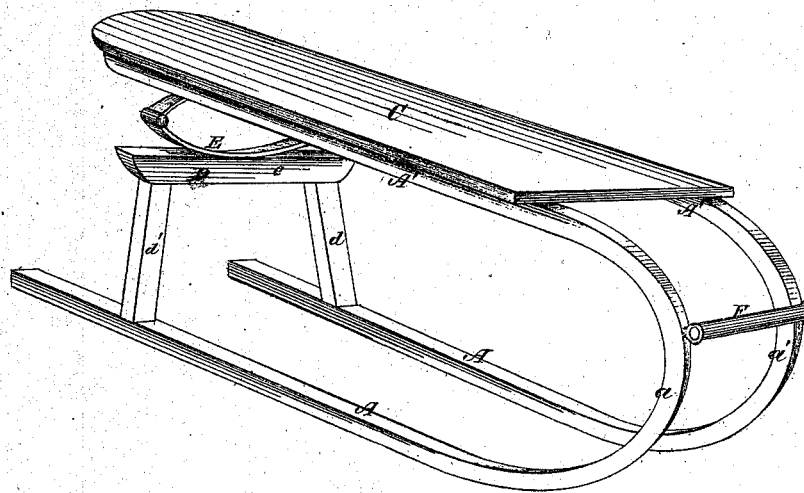
A. RANK.

Sleigh.

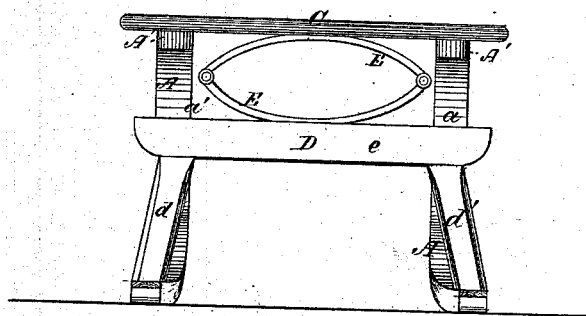
No. 112,630.

Patented Mar. 14, 1871.

*Fig. 1*



*Fig. 2*



*Witnesses:-*

*Wm. H. Rowe*  
*Joe Peyton*

*Inventor:-*

*Amos Rank*  
*by his atty*  
*Wm. L. Baldwin*

# United States Patent Office.

AMOS RANK, OF SALEM, OHIO.

Letters Patent No. 112,630, dated March 14, 1871.

## IMPROVEMENT IN SLEIGHS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, AMOS RANK, of Salem, in the county of Columbiana and State of Ohio, have invented a new and useful Improvement in Sleighs, of which the following is a specification.

My invention relates to that class of sleighs in which a spring is employed between the seat and the runners.

Its object is to secure a simple, durable, and easy-riding vehicle; and

The improvement consists in combining elastic  $\mathcal{C}$ -shaped runners, having their open ends behind, and their upper members forming a support for the seat, with a spring interposed between the upper and lower members of the free ends of the runners, as herein-after shown.

In the accompanying drawing—

Figure 1 is a view in perspective, and

Figure 2 a rear elevation of my improved sleigh.

The runners A are, by preference, made of wood and bent in a  $\mathcal{C}$ -shape, so that the bend  $a\ a'$  forms a spring, and their upper members form side pieces A', for attaching the seat or body C, and thus form an elastic connection between it and the runners.

The rear ends of the lower members of the runners

are braced and connected together by a bridge, D, formed of standards  $d\ d'$  and brace  $e$ , upon which a spring, E, is secured.

It is obvious that a spiral or rubber spring might be used instead of that shown.

The runners are connected in front by a cross-brace, F, which also serves as a draft-bar, to which a tongue or suitable draft attachment may be connected.

I thus secure a simple, easy-riding sleigh.

I am aware that springs have been applied to sleighs in various ways, and do not broadly claim such combination; but

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

The combination of the elastic  $\mathcal{C}$ -shaped runners, the upper members of which support the seat of the sleigh, with a spring interposed between the upper and lower members of the runners, substantially as described.

In testimony whereof I have hereunto subscribed my name.

AMOS RANK.

Witnesses:

WILLIAM H. KIDD,

WILLIS CADWALLADER.