(No Model.)

I. B. SEELEY.

SLEIGH SHOE.

No. 344,601. Patented June 29, 1886.

Fig. 1.

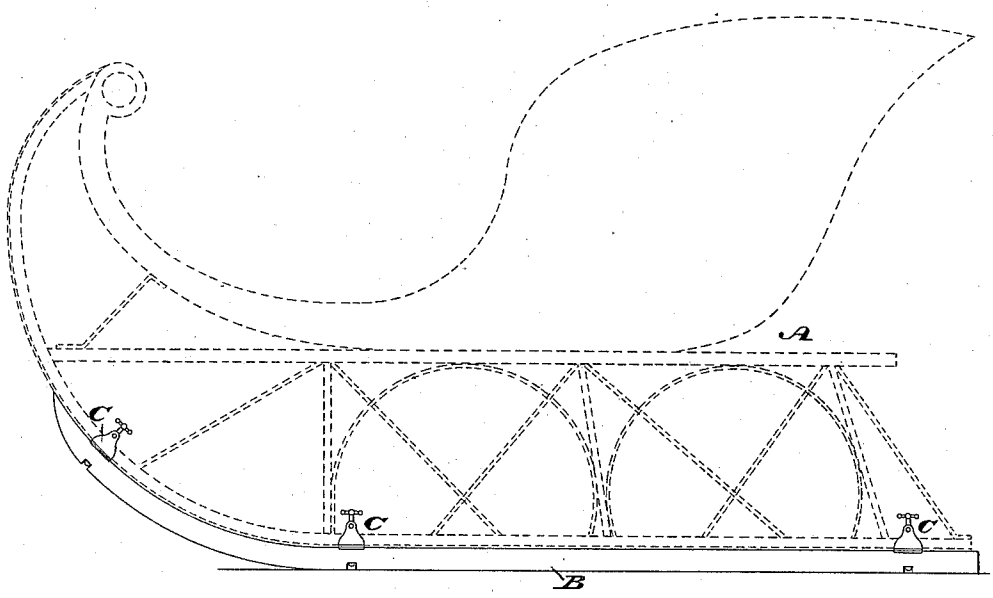


Fig. 2.

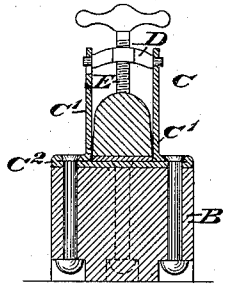


Fig. 3.

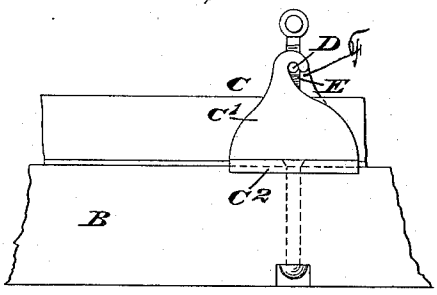
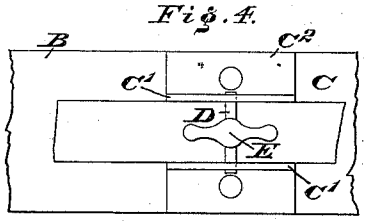


Fig. 4.



WITNESSES:

Th. Rolle.

W. F. Kirchen.

INVENTOR:

Isaac B. Seeley.

BY John A. Wiedersheim

ATTORNEY.

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

ISAAC B. SEELEY, OF PHILADELPHIA, PENNSYLVANIA.

SLEIGH-SHOE.

SPECIFICATION forming part of Letters Patent No. 344,601, dated June 29, 1886.

Application filed March 18, 1886. Serial No. 195,624. (No model.)

To all whom it may concern:

Be it known that I, ISAAC B. SEELEY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Sleigh-Shoes, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a side view of the improvement in sleigh-shoes embodying my invention. Fig. 2 represents a vertical section thereof on an enlarged scale. Fig. 3 represents a side elevation thereof on an enlarged scale. Fig. 4 represents a top view thereof on an enlarged scale.

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

My invention consists of shoes for the runners of a sleigh, the same having advantages as will be hereinafter set forth, and being provided with means whereby they may be firmly clamped to the runner and readily removed therefrom.

Referring to the drawings, A represents a sleigh (shown in dotted lines) of well-known form and construction.

B represents a shoe, which is formed of wood, conforming in general respects to the shape of the runner, and adapted to have the runner sustained thereon and secured thereto, whereby the sleigh may ride on the shoe, it being evident that each runner is provided with such shoe.

C represents yokes or clips, each of which consists of side pieces or ears, C′, and a base, C^2, the latter resting on the top of the shoe and being riveted or bolted thereto, the yoke being formed of wrought or cast metal, the wrought metal being preferred, as the sides of the base may thereby be made of double thickness, and the strength of the same consequently increased. To the top of the side pieces is secured a cross-head, D, and to the latter is fitted a screw, E, which is adapted to tighten against the runner, as most clearly shown in Fig. 2. One (or both) of the side pieces, C′, of the yoke is formed with an open slot, F, to receive the end (or ends) of the cross-head, whereby the latter may be conveniently applied to and removed from the yoke.

It will be seen that when service of the shoe is required the runners of the sleigh are fitted within the side pieces of the yokes and rested on the base thereof. The cross-heads are then applied to the yokes and the screws tightened, whereby the shoes and runners are connected as one.

In the use of the sleigh the shoes constitute the runners and provide broad surfaces on which the sleigh runs and avoids contact of metal runners with the snow, a feature of great importance when snow is light and the sleigh runs comparatively on bare ground, the wooden shoes, coming in contact with the latter, adapting the sleigh to run with ease and adding strength to the runners at such times. When the shoes are not required, they may be removed by loosening the screws E, it being noticed that the sleigh-runners remain unaltered and may be used in the usual manner.

I am aware that it is not new to provide shoes with recesses or grooves on their upper faces to receive sleigh-runners; but in the present invention the tops of the shoes are intact, whereby their strength is preserved, and the bases of the yokes are extended laterally, forming flanges, so that both sides of the yokes may be riveted or bolted to the shoes, thus providing a strong connection of the shoes with the yokes and adapting the bases of the yokes to be of the width, or approximately so, of the shoes, whereby the yokes possess wide surfaces for contact with the shoes.

Having thus described my invention, what I I claim as new, and desire to secure by Letters Patent, is—

1. A detachable sleigh-shoe having a clamping-clip formed with ears and a base having laterally-extending flanges with openings, said ears having attached to them a cross-head, which is provided with a screw, substantially as described.

2. A detachable sleigh-shoe having a clamping-clip formed with ears and a base with side flanges integral therewith, with openings in the flanges, the ears being slotted for connection of a cross-head, the latter being provided with a screw, substantially as and for the purpose described.

ISAAC B. SEELEY.

Witnesses:

JOHN A. WIEDERSHEIM,

A. P. GRANT.