

N. JANTZEN.
LOG HAUL SHOE.
APPLICATION FILED MAR. 29, 1912.

1,040,949.

Patented Oct. 8, 1912.

FIG. 1

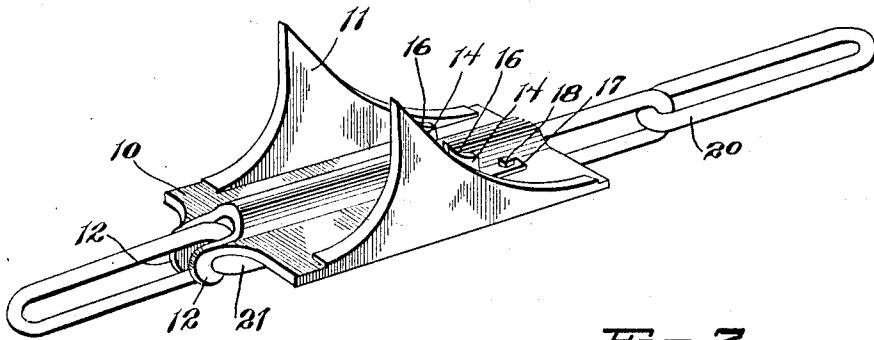


FIG. 2

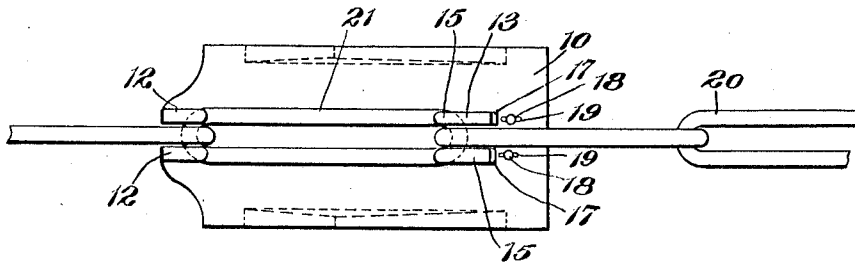


FIG. 3

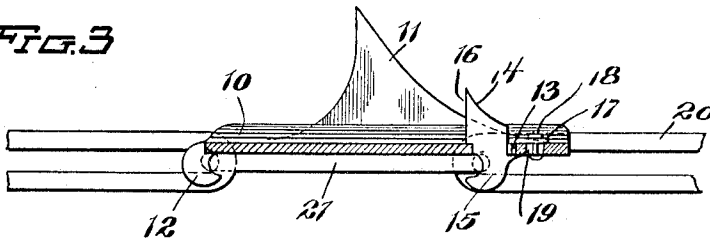
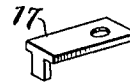
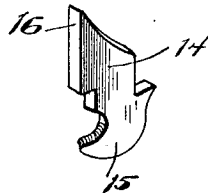


FIG. 5.

FIG. 4



Witnesses
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LOG-HAUL SHOE.

1,040,949.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, NIELS JANTZEN, a citizen of the United States, residing at Victoria, in the Province of British Columbia and Dominion of Canada, have invented new and useful Improvements in Log-Haul-Shoes, of which the following is a specification.

An object of the invention is to provide a shoe, for use in logging, for conveying a log from one place to another.

The invention embodies, among other features, a device for connection with a chain or the like, operable in the usual slots or chutes used in connection with logging, the log being received upon the shoe and held in position thereon as the shoe is advanced along the slide, the shoe being so constructed that it will be prevented from turning sideways and also prevented from digging or catching in the side of the slide.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, and in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a perspective view of the shoe showing the same attached to a chain; Fig. 2 is a bottom plan view of the shoe as shown in Fig. 1; Fig. 3 is a vertical longitudinal sectional view, taken adjacent one of the gripping members; and Fig. 4 is a perspective view of one of the gripping members. Fig. 5 is a perspective view of one of the securing members.

Referring more particularly to the views, use is made of a shoe body 10, preferably made of an integral piece of material, and having a plurality of upwardly extending prongs 11 formed on the upper side thereof, a plurality of teeth 12 being arranged to extend from the under side of the body 10, adjacent one end thereof. The shoe body 10 is provided with vertically extending slots 13 in which are mounted gripping members 14, having their lower ends terminating in teeth 15 extending downwardly from the under side of the body 10, the upper ends of the gripping members 14 terminating in heads 16. The slots 13 are made sufficiently long to easily receive the gripping members 14 and when the gripping members have been inserted therein, the same are slid for-

wardly in the slots to the desired position, after which suitable L-shaped securing members 17 are mounted upon the shoe body 10 with the forward depending ends of the securing members engaging the rear edges of the gripping members 14, bolts 18 being provided to extend through the securing members 17 and to extend into the shoe body 10 to secure the members 17 in rigid position on the shoe body, thus also rigidly securing and locking the gripping members 14 on the shoe body. The shoe body 10 is provided with a series of openings 19, adapted to receive the bolts 18, the openings being arranged in alinement to permit of adjusting the securing members relatively to the gripping members 14.

In the use of my device, the shoe body 10 is mounted upon a chain 20 with a horizontal link 21 of the chain arranged beneath the shoe body and having an end thereof abutting against the teeth 12 formed integral with the shoe body. The gripping members 14 are now inserted in the slots 13 and are pushed forwardly therein until the teeth 15 thereof grip the other end of the horizontal link 21, after which the securing members 17 are mounted on the shoe body with the forward ends thereof engaging rear edges of the gripping members 14. The bolts 18 are now mounted to extend through the securing members 17 and into a plurality of the openings 19 in the shoe body, and when this operation has been completed it will be seen that the gripping members 14 lock the shoe body to the link 21 of the chain 20 and the securing members 17 lock the gripping members 14 in rigid position on the body, the shoe body being now arranged to receive a log or an end of a log on the upper side thereof, the log being held in position on the shoe body by the prongs 11 on which the log reposes and which firmly grip the log and prevent the same from becoming unseated.

It will be readily understood that any number of log haul-shoes, such as described, can be adjacently mounted on a single chain with portions of the log reposing on different log haul-shoes, and it will be readily seen that when a log is mounted upon the log haul-shoes, as mentioned, the log will be prevented from turning sidewise, due to the prongs 11 and will also be prevented from

digging or catching in the side of the slot or chute in which the chain 20 is mounted to operate.

Having thus described my invention, I claim:

1. In a log haul-shoe, the combination with a shoe body, of prongs extending upwardly from the upper side thereof, teeth depending from the under side of the shoe body, gripping members mounted to slide on the shoe body, and securing members mounted on the shoe body and engaging the gripping members to retain the same in rigid position on the shoe body.
2. In a log haul-shoe, the combination with a shoe body, of prongs formed there-with and extending upwardly therefrom, teeth formed on the under side of the shoe body and depending therefrom to be engaged by the link of a chain, gripping members mounted to slide on the shoe body and terminating at their lower ends in teeth adapted to grip the link of the chain, heads formed on the said gripping members at the upper ends thereof, securing members adjustably mounted on the shoe body to engage the said gripping members, and bolts for connection with the said securing members and the said shoe body for retaining the securing members in rigid position on the shoe body.

3. In a log haul-shoe, the combination with a shoe body, of prongs extending upwardly from the upper side thereof, teeth depending from the under side of the shoe body adjacent an end thereof, gripping members mounted to slide on the shoe body, and means for retaining the said gripping members in rigid position on the said shoe body.

4. In a log haul-shoe, the combination with a shoe body, of prongs formed thereon, teeth formed on the shoe body and depending therefrom, gripping members mounted to slide in slots in the said shoe body, heads formed on the gripping members and extending upwardly from the shoe body, teeth formed on the gripping members and extending downwardly from the shoe body, L-shaped securing members adjustably mounted on the shoe body and engaging the said gripping members, and bolts for connecting with the said securing members and the said shoe body for retaining the said securing members in rigid position thereon.

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

NIELS JANTZEN.

Witnesses:

WALTER W. TAYLOR,
EDMOND HUESTIS.