

E. BEAUDIN.  
 RELEASING DEVICE FOR LOG CARS.  
 APPLICATION FILED JULY 1, 1908.

913,094.

Patented Feb. 23, 1909.

Fig. 1.

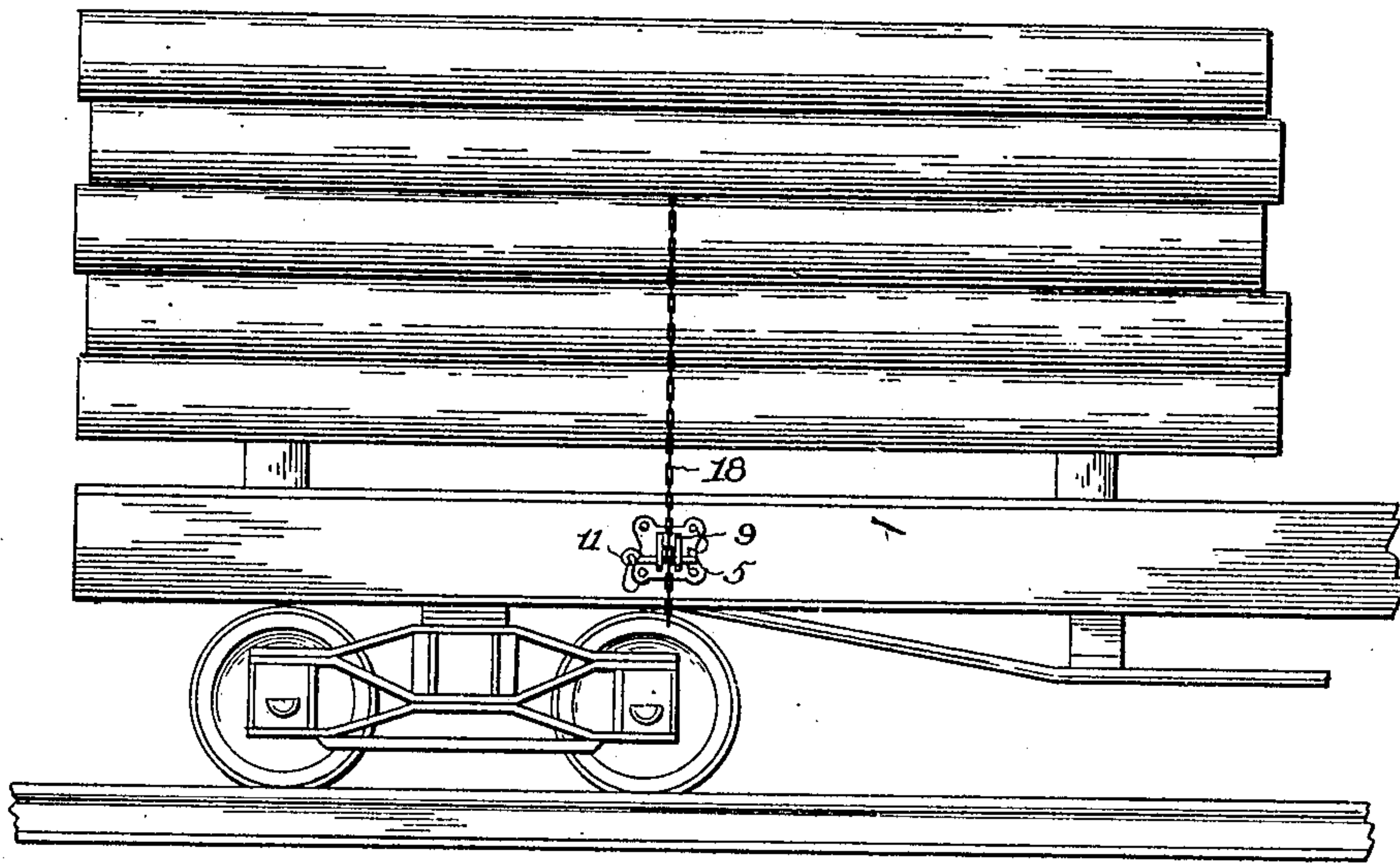
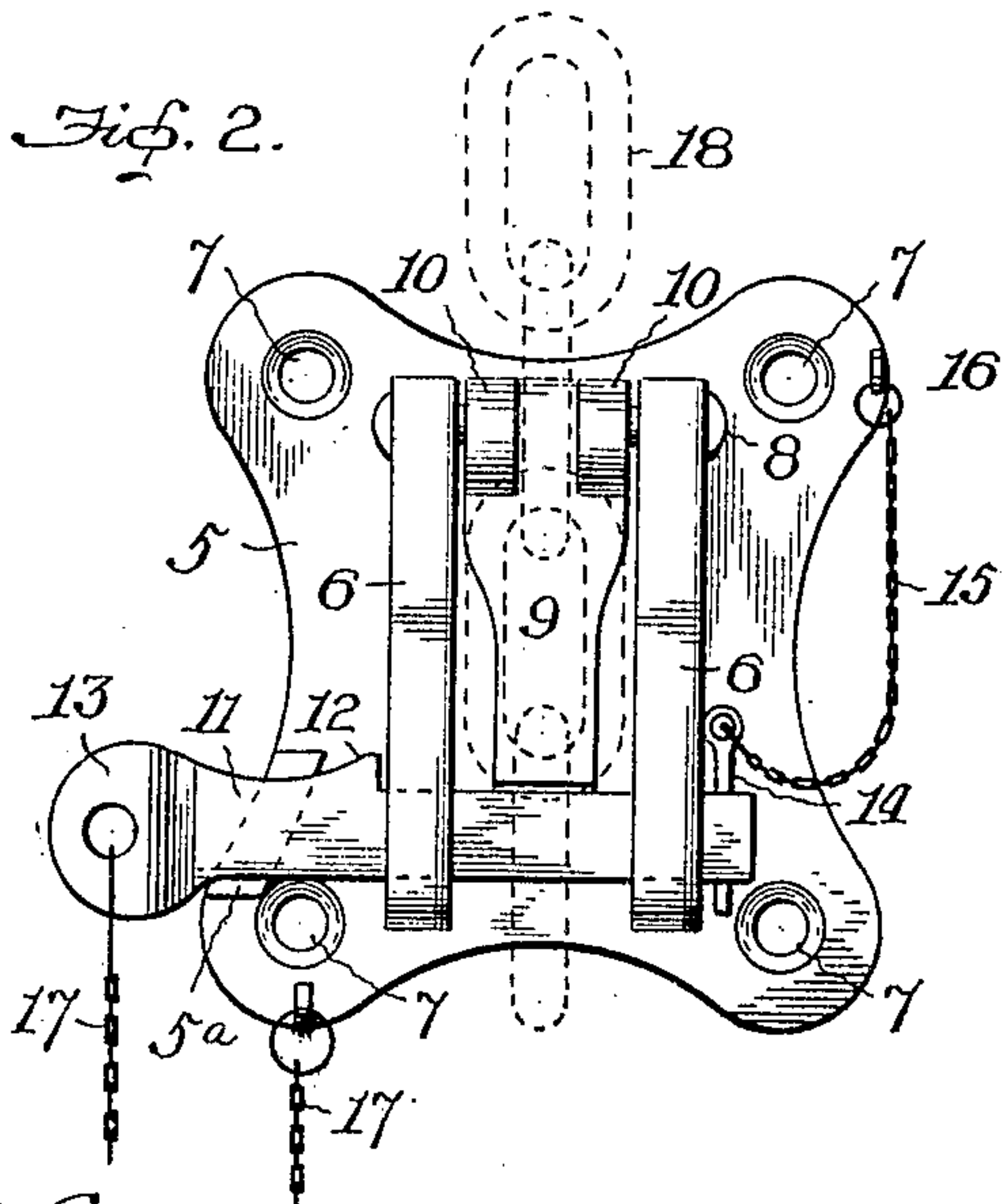
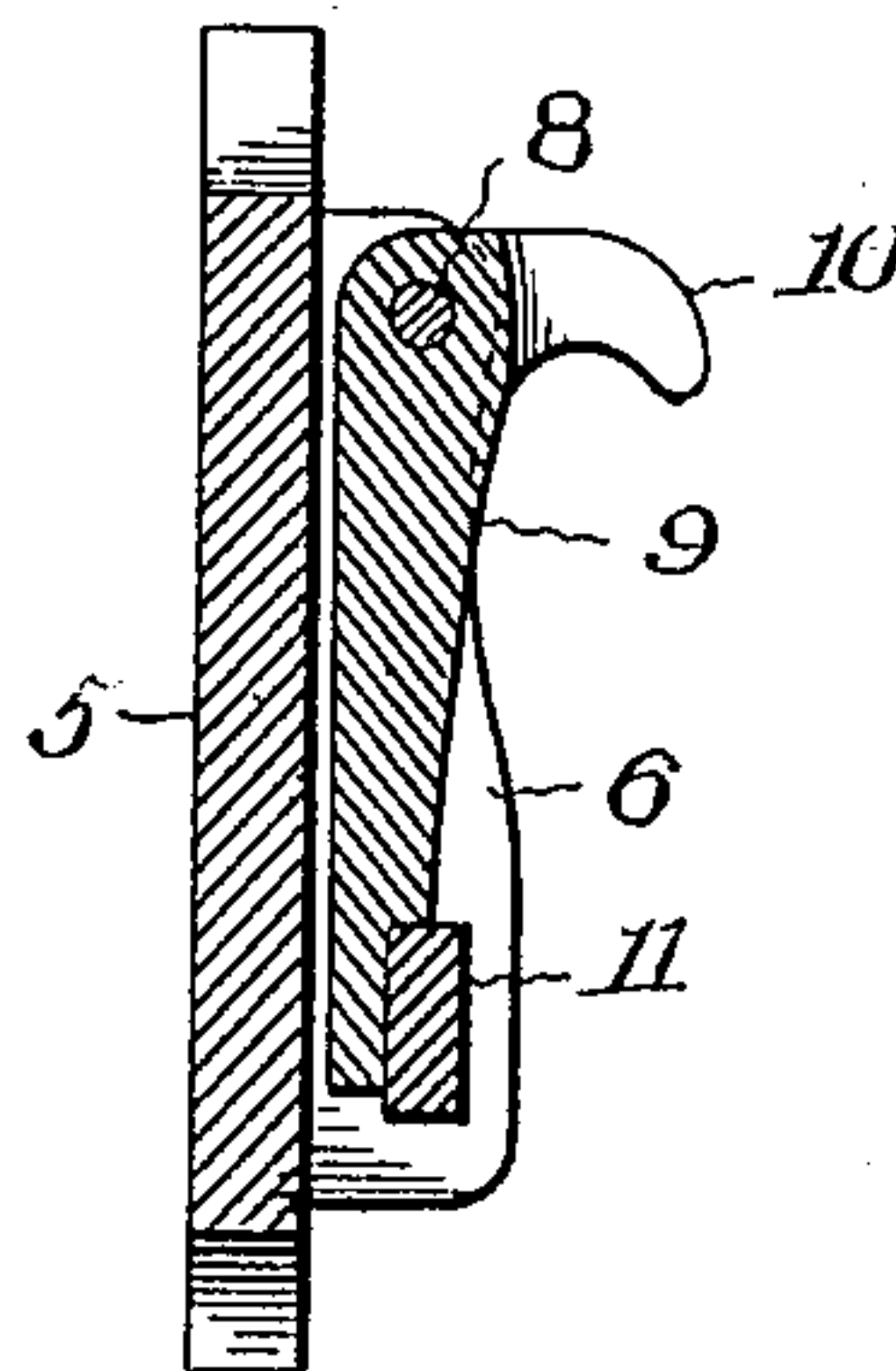


Fig. 2.



Witnesses:  
*J. E. Price*  
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Fig. 3.



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# UNITED STATES PATENT OFFICE.

ELIE BEAUDIN, OF RHINELANDER, WISCONSIN, ASSIGNOR OF ONE-SIXTH TO ALFRED D. DANIELS, ONE-SIXTH TO REUBEN C. DAYTON, AND ONE-SIXTH TO JOHN O. MOEN, ALL OF RHINELANDER, WISCONSIN.

## RELEASING DEVICE FOR LOG-CARS.

No. 913,094.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed July 1, 1908. Serial No. 441,296.

*To all whom it may concern:*

Be it known that I, ELIE BEAUDIN, a citizen of the United States, residing at Rhinelander, in the county of Oneida and State of Wisconsin, have invented a Releasing Device for Log-Cars, of which the following is a full and complete specification.

This invention relates to logging cars, and is more especially an improvement in the means employed for securing the logs in place upon the cars.

In loading logs on cars for transportation it is customary to dispose the logs longitudinally on what is termed a "flat-car", and arrange them in stacks with the lower logs resting on bunks. In forming these stacks it is customary to tie the first two or three tiers of logs by means of a chain passed transversely over the upper logs and secured at its ends to the sides of the car, so that when other tiers are placed on top they will tend to spread the logs against the chain, thereby tightly binding the load on the car. In unloading the cars it is only necessary to release one end of the chain, and the stack being thus free the logs will quickly roll from off the car.

The object of my invention is to provide a simple and effective device for attaching the ends of the binding chain to the sides of the car, and so that either end of said chain may be readily and conveniently released by a person standing beyond the end of the car and out of the way of the falling logs.

With this object in view my invention consists of a pivoted catch-plate adapted to engage the binding chain, and a latch-bar engaging the catch-plate, whereby when said latch-bar is removed the catch-plate will be released and permit the binding chain to become detached; all as hereinafter fully described and specifically set forth in the appended claims.

In the accompanying drawings, which form a part of this specification:—Figure 1 is a side elevation, illustrating the application of my invention. Fig. 2 is an enlarged front view of the chain attaching and detaching device, the parts being in position to engage and hold the chain. Fig. 3 is a vertical sectional view through the center of the device.

Like numerals of reference indicate like parts in all the figures of the drawings.

In carrying out my invention I employ in the first instance an attaching plate 5, of any desired shape and provided with a pair of parallel flanges 6 6, disposed at either side of the vertical center of said plate. The attaching plate is also provided at its four corners with screw-holes 7, through which the attaching screws pass. This plate is preferably formed of a casting or drop forging, so that the flanges 6 are integral with the body portion of said plate.

Extending transversely between the upper end of the flanges 6, and through the same, is a pin 8, the ends of which are headed, as shown, so as to hold said pin securely in place, and pivoted at its upper end upon this pin is a catch-plate 9, provided at its pivotal end with a pair of outwardly projecting hooks 10 spaced apart so as to receive the link of a chain between them and so that said hooks will engage the adjacent link of said chain, as indicated in dotted lines Fig. 2. The lower or free end of the catch-plate is engaged by a latch-bar 11, passed transversely through the flanges 6, and provided with a stop 12, beyond which said latch-bar terminates in an eye 13, said latch having a bearing on a boss 5<sup>a</sup> on the attaching plate. The stop 12 limits the inward movement of the latch-bar, and the projecting opposite end is apertured to receive a pin 14 for locking said bar in place. The pin 14 is connected by a chain 15 to an eye 16 on the attaching plate, so as to prevent said pin from becoming lost. For the same purpose the latch-bar 11 is also connected by a chain 17 to the attaching-plate.

When the device is in operative position to engage the binding-chain, as 18, the catch-plate will lie vertically between the flanges of the attaching-plate and will be engaged at its lower end by the latch-bar 11, so that the hooks at the upper end of said catch-plate will be disposed outwardly. In this position the binding-chain after being passed over the logs, as illustrated in Fig. 1, is passed into engagement with the hooks, and after the upper tiers of logs are placed in position the said binding chain will be drawn taut and securely held by the catch-plate. Now when it is desired to release the chain it is only necessary to first remove the pin 14 and then withdraw the latch-bar, and the catch-plate being thus released will



swing upon its pivot so as to permit the hooks to become disengaged from the chain. The chain being detached the logs are free to roll from off the car. In the operation of  
5 withdrawing the latch bar a rod having a hook-end is placed in engagement with the eye 13 of said latch-bar, and said rod is of sufficient length to permit the operator to stand beyond the end of the car and out of  
10 the way of the falling logs.

From the foregoing it will be readily seen that I provide a simple and effective device for attaching the ends of a binding chain for logging-cars, and which will permit the  
15 chain to be readily detached or released.

Having described my invention, I claim:

1. A chain releasing device for logging-cars, comprising an attaching-plate having flanges, a plate pivoted between said flanges  
20 and provided with outwardly projecting hooks at its pivotal end, and a latch-bar slidable laterally through the flanges of the attaching plate, and adapted to detachably engage the pivoted plate substantially as  
25 shown and described.

2. A chain releasing device for logging-cars, comprising an attaching plate having flanges, a catch-plate pivoted between the flanges and provided with outwardly-pro-

jecting hooks at its pivotal end adapted to 30 engage the chain, a sliding latch-bar engaging the other end of the catch-plate and provided with an eye at one end, and a removable pin engaging the latch-bar to lock the same in place, substantially as shown and de- 35 scribed.

3. In a chain releasing device for logging-cars, the combination, of an attaching plate 5 having outwardly-projecting parallel flanges 6 6, a catch-plate 9 pivoted between 40 the flanges at the upper end thereof and having a portion lying between said flanges, a latch-bar 11 passed laterally through the flanges near the lower end thereof and engaging the lower end of the catch-plate, 45 said latch-bar having a stop 12 and eye 13 beyond the same, and a pin 14 removably engaging the opposite end of the latch-bar, as herein shown and described.

In testimony whereof I have signed my 50 name to this specification in the presence of two subscribing witnesses.

ELIE <sup>his</sup> X BEAUDIN.  
mark

Witnesses:

CHARLES B. PETERSON,  
A. E. WEESNER.