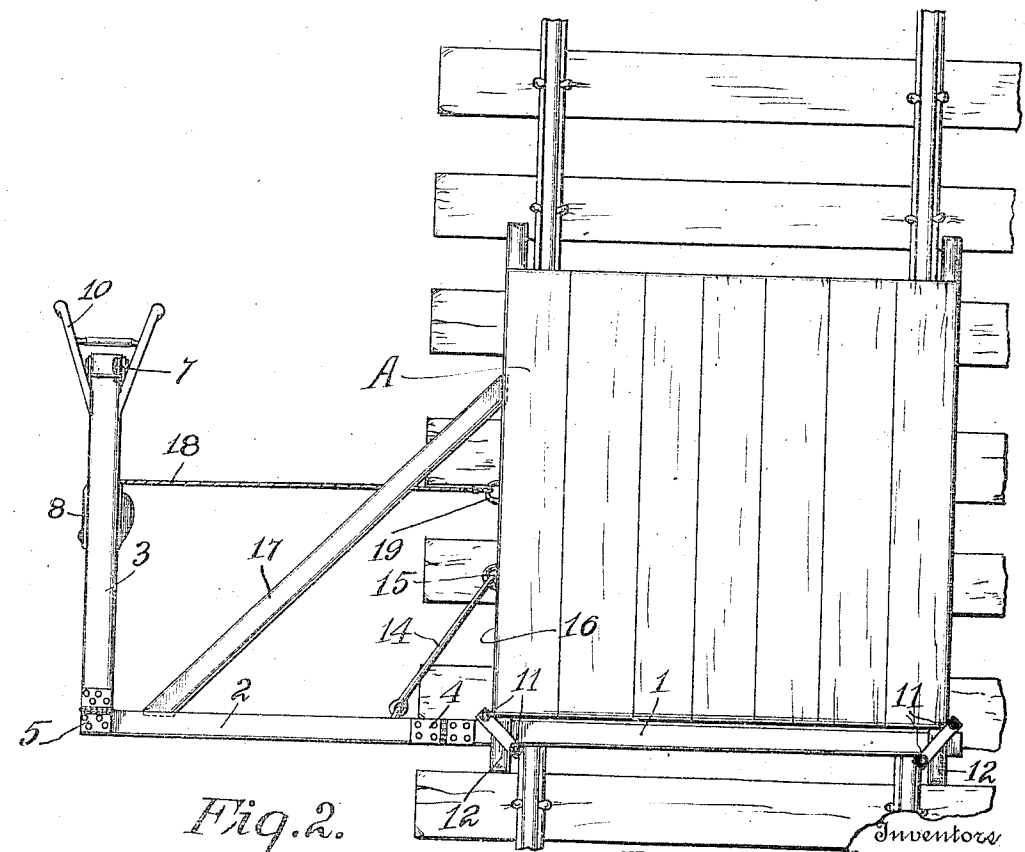
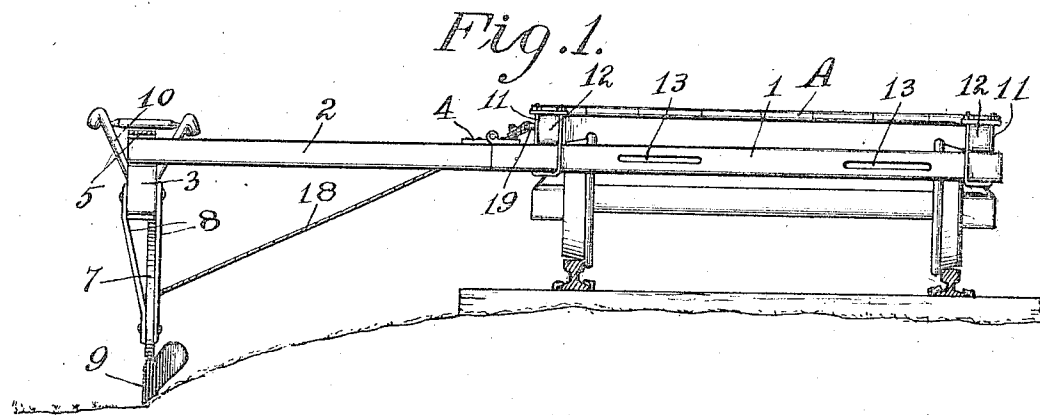


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 MARKING AND TRIMMING DEVICE.
 APPLICATION FILED APR. 5, 1910.

971,460.

Patented Sept. 27, 1910.
 2 SHEETS—SHEET 1.



Witnesses
 Thos. H. Knox,
 Wm. Bagger.

Inventors
 Rasmus J. Meland,
 Theodore O. Moe
 By Victor J. Evans
 Attorney

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Fig. 3.

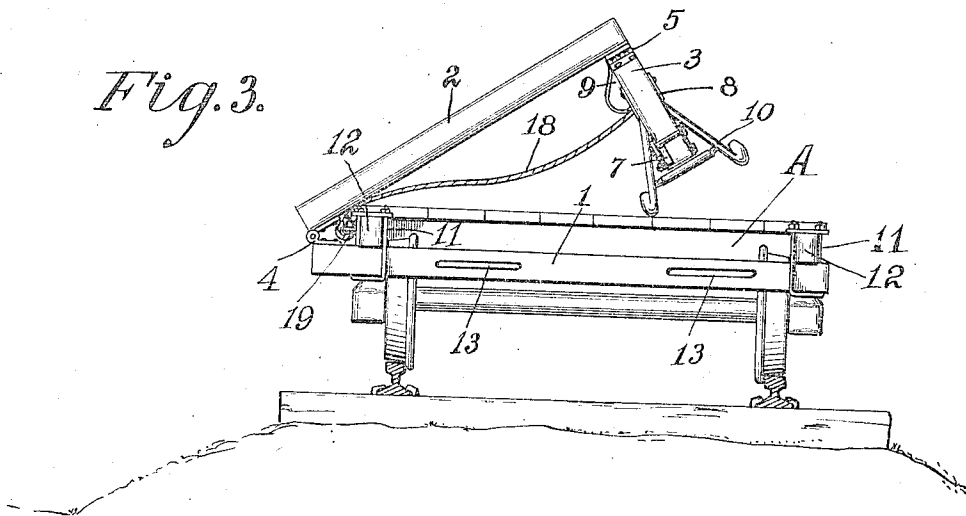
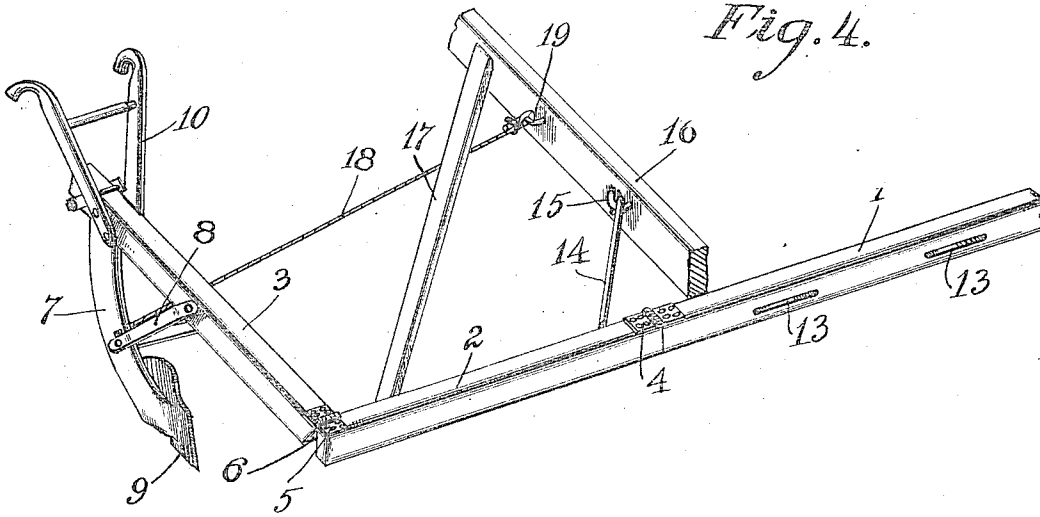


Fig. 4.



Witnesses
 Thos. F. Knox,
 Wm. Ragger.

Inventors
 Rasmus J. Meland,
 Theodore O. Moe
 By Victor J. Evans
 Attorney

UNITED STATES PATENT OFFICE.

RASMUS J. MELAND AND THEODORE O. MOE, OF LODI, WISCONSIN.

MARKING AND TRIMMING DEVICE.

971,460.

Specification of Letters Patent. Patented Sept. 27, 1910.

Application filed April 5, 1910. Serial No. 553,543.

To all whom it may concern:

Be it known that we, RASMUS J. MELAND and THEODORE O. MOE, citizens of the United States of America, residing at Lodi, in the county of Columbia and State of Wisconsin, have invented new and useful Improvements in Marking and Trimming Devices, of which the following is a specification.

This invention relates to marking and trimming devices for the purpose of marking and trimming the side line or the ditch line along a railroad track and for other similar purposes; and it has for its object to produce a device of simple and improved construction which may be readily fitted to and used in connection with an ordinary hand car for the purpose of marking and trimming and thus indicating the desired line in a simple, rapid and efficient manner and far more securely and expeditiously than the same work could be performed by hand labor.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawings has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the invention may be resorted to when desired.

In the drawings,—Figure 1 is a transverse sectional view of a portion of a railroad track, showing in front elevation a hand car to which the invention has been operatively applied. Fig. 2 is a top plan view of the same. Fig. 3 is a front view, showing the plow or cutting member thrown back upon the hand car for transportation. Fig. 4 is a perspective detail view of the improved trimming and marking device, showing also one side bar of the frame of a hand car with which it is connected.

Corresponding parts in the several figures are denoted by like characters of reference.

The improved device includes an attaching bar or beam 1, an extension bar 2, which is hingedly connected with the attaching bar, and a plow beam 3 which is hingedly connected with the end of the extension bar in

such a manner as to swing in a plane approximately at right angles to the movement of the extension bar with reference to the attaching bar. Hinges 4 and 5 connect the extension bar with the attaching bar and with the plow beam, respectively. The forward end of the plow beam is beveled; as will be best seen at 6 in Fig. 4, to enable the rear end of the plow beam to swing downwardly below the horizontal plane of the front end of said beam. The plow beam 3 carries the standard 7 which is connected therewith by braces 8, said standard carrying also a plow 9 of any suitable construction, said plow being made either right or left hand, as may be desired, according to the direction of movement and the purpose for which it is to be employed. It is desired to be particularly understood that no limitation whatever is made with regard to the construction of the plow, but that any suitable and convenient construction may be adopted. The beam 3 is also provided with handles 10 whereby the plow may be guided when the device is in operation.

The attaching bar or beam 1 may be secured by means of clips 11 upon the forwardly extending handles 12 of a hand car A of ordinary construction; said attaching bar has, however, been shown provided with slots 13 for the passage of bolts, whereby it may be secured in position when the use of clips is not convenient. It is obvious that the attaching bar is capable of adjustment laterally with relation to the car within the limits of its length or of the length of the slots 13. The extension bar is provided with a hook 14 adapted to engage an eye or staple 15 upon the side member 16 of the car frame. A brace 17 extending diagonally from the frame member 16 abuts upon the extension bar 2 adjacent to the outer end of the latter for the purpose of reinforcing the construction and enabling the extension bar to support any strain to which it is liable to be subjected, and a flexible connecting member, such as a cable 18, connects the plow standard 7 with an eye or staple 19 upon the side member 16 of the car frame.

As will be readily seen from the foregoing description, when the improved device is applied to a hand car in position for operation, as shown in Figs. 1 and 2, and the car is moved along the track, the plow may be utilized to cut a furrow alongside the

track and at any desired distance from the side of the track. The sod turned by the plow may be subsequently removed by hand shoveling in the usual manner, and it is
5 obvious that a straight and accurate line will thus be preserved in positive parallelism with the track, thus causing the work to be performed very accurately and expeditiously. The plow, which is guided in the usual manner by means of the handles, may be slightly
10 raised or lowered when necessary to conform to inequalities in the ground, such movement being possible on account of the beveled front end of the plow beam. When
15 the device is not in operation it may be swung back upon the platform of the car to the position indicated in Fig. 3 of the drawings, and it may thus be very conveniently transported from one place to
20 another.

Having thus described the invention, what is claimed as new, is:—

1. A device of the character described, an

attaching bar, an extension bar hingedly connected therewith, and a plow-carrying
25 beam hingedly connected with the extension bar to swing in a plane approximately at right angles to the plane of movement of the extension bar.

2. In a device of the character described, 30 an attaching bar, an extension bar hingedly connected therewith, a plow-carrying beam hingedly connected with the extension bar to swing in a plane approximately at right angles to the movement of the latter, said
35 plow-carrying beam being beveled at its front end, and means for connecting the device with a hand car.

In testimony whereof we affix our signatures in presence of two witnesses.

RASMUS J. MELAND.
THEODORE O. MOE.

Witnesses:

A. STROEBEL,
W. A. CALDOW.