

J. W. GRAY.
 TRACK LINER:
 APPLICATION FILED AUG. 10, 1911.

1,018,183.

Patented Feb. 20, 1912.

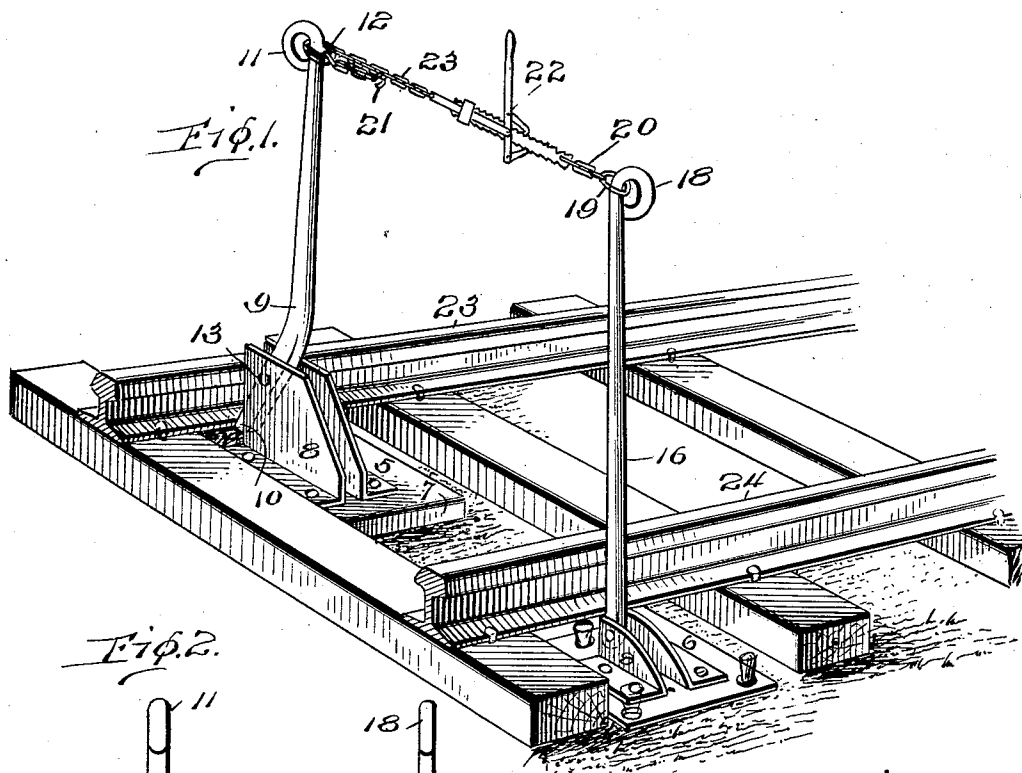


Fig. 2.

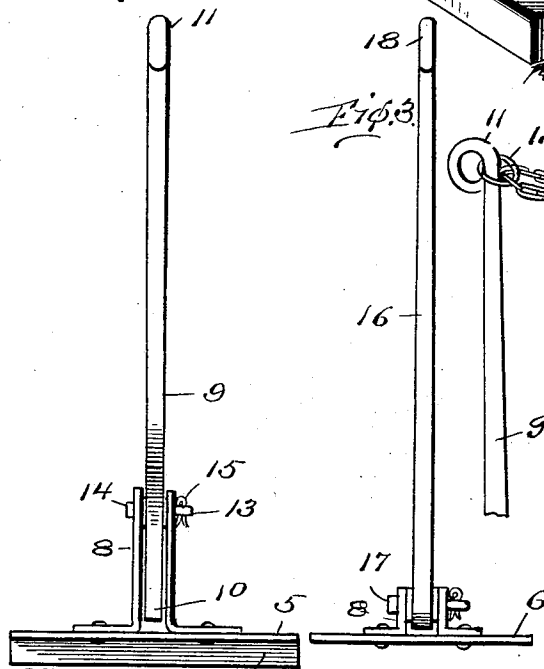


Fig. 3.

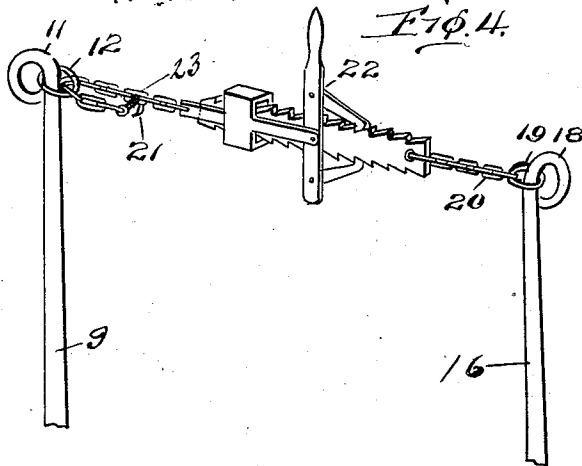


Fig. 4.

Witnesses
J. M. Fowler Jr.
Edw. M. Callaghan

J. W. Gray Inventor
 By *Robert H. Snyder* Attorney

UNITED STATES PATENT OFFICE.

JOHN W. GRAY, OF WOOLDRIDGE, MISSOURI.

TRACK-LINER.

1,018,183.

Specification of Letters Patent.

Patented Feb. 20, 1912.

Application filed August 10, 1911. Serial No. 643,264.

To all whom it may concern:

Be it known that I, JOHN W. GRAY, a citizen of the United States, residing at Wooldridge, in the county of Cooper and State of Missouri, have invented certain new and useful Improvements in Track-Liners, of which the following is a specification.

The invention relates to track laying devices and more particularly to the class of track liners.

The primary object of the invention is the provision of a device of this character in which the rails of a track may be readily and easily brought into alinement without requiring excessive energy on the part of a track hand or operator, the device being designed to exert great power upon the rails for bringing them into alinement.

Another object of the invention is the provision of a device of this character, which is simple in construction, reliable and efficient in function, readily and easily operated, and that is inexpensive in manufacture.

Other objects will be in part obvious and in part hereinafter set forth.

The invention accordingly consists in the arrangement and combination of elements, the construction of which will be exemplified in the following description, and the scope determined by the claims hereunto appended.

In the drawings:—Figure 1 is a perspective of the device applied and in operative position relative to the track rails. Fig. 2, is a front elevation of one part of the device. Fig. 3, is a similar view of the other part of the device. Fig. 4, is a perspective view of the levers showing the adjustable connection between the same.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings by numerals, the device comprises a pair of lever operating members, the same being provided with bases 5 and 6, respectively, each preferably constructed from metal, although the same may be made from any other suitable material. The base 5 is formed at one end with a downturned flange 7, which is adapted to be driven into the earth, to prevent slipping of the said base when the latter is placed on the ground surface beneath a rail in a manner presently described.

Integral with each base 5 and 6 or riveted or otherwise secured thereto are spaced vertical bearing ears 8, the bearing ears upon the base 5 being considerably greater in length than the bearing ears on the base 6 and between which is mounted a curved lever 9, the lower end thereof being formed with a flat abutment face 10, while at its upper end is provided an eye 11 carrying a loose ring 12. Spaced from the lower end of the lever 9 is a suitable transverse opening through which is passed a pivot pin 13, the same being also passed through suitable openings in the bearing ears 8, thus in this manner the lever 9 is swingingly connected with and supported between said bearing ears on the base 5, whereby the flat abutment face 10 on the lower end of said lever can be brought into engagement with a rail adjacent thereto, the bearing ears 8 being designed to abut against the base flange of the said rail.

The pivot pin 13 is formed at one end with a head 14 and at its opposite end with a suitable slot for receiving the cotter pin 15, thus the pin 13 will be prevented from becoming accidentally detached from the bearing ears and lever.

Mounted between the bearing ears 8 on the base 6 is a straight lever 16, the lower end thereof being connected to the said ears by means of a pivot pin 17 which is passed transversely through the latter and said lever for swingingly supporting the same therebetween. The upper end of the lever 16 is formed with an eye 18 carrying a ring 19 to which is connected the chain 20 and wire stretcher 22 and connected at the opposite end of the wire stretcher is the chain 23 adapted to pass through the ring 12. This chain 23 may be passed through the ring 12 and its hook connected with one of the links of the said chain, thereby shortening the length of the same when connecting the levers 9 and 16.

In operation the bases 5 and 6 are placed beneath the rails 23 and 24, respectively, so that the bearing ears 8 will abut against the inner edge of the base flange of the rail 23 and the outer edge of the base flange of the rail 24, as shown in Fig. 1, of the drawings, whereupon the chain 20 or its hook 21 is engaged with the ring 19 on the lever 16, so that on the application of the wire stretcher 22 to the chain 20 the levers will be caused to approach each other. Now in

this manner the rail 23 will be caused to aline with the rails at opposite ends thereof or be brought into parallel relation with the rail to one side thereof.

5 What is claimed is:—

1. In a track liner, a pair of base plates, a depending flange formed on one of the base plates, bearings rising vertically from the base plates, levers pivoted in said bearings,
10 a rail abutting end formed on one of the levers, and means for connecting the upper ends of the levers.

2. In a track liner, a pair of base plates, a depending flange formed on one of the

base plates, bearings rising vertically from 15 the base plates, levers pivoted in the bearings, a rail abutting end formed on one of the levers, eyes formed on the upper ends of the levers, rings carried by the eyes, a chain connected to one of the rings, and a 20 hook on the chain for detachably connecting said chain to the other ring.

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

JOHN W. GRAY.

Witnesses:

A. F. NIXON,
W. E. HOOPER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."