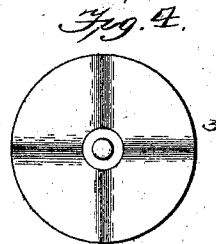
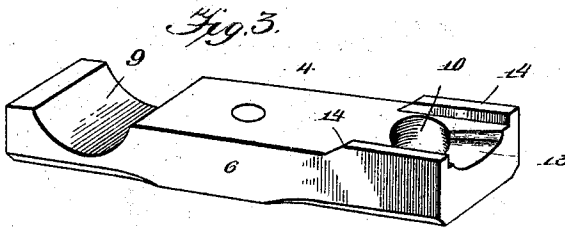
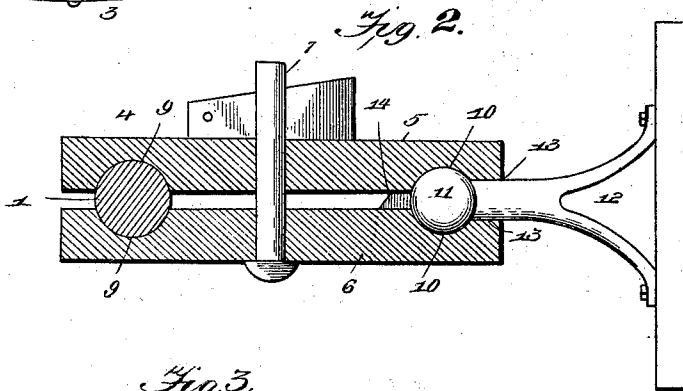
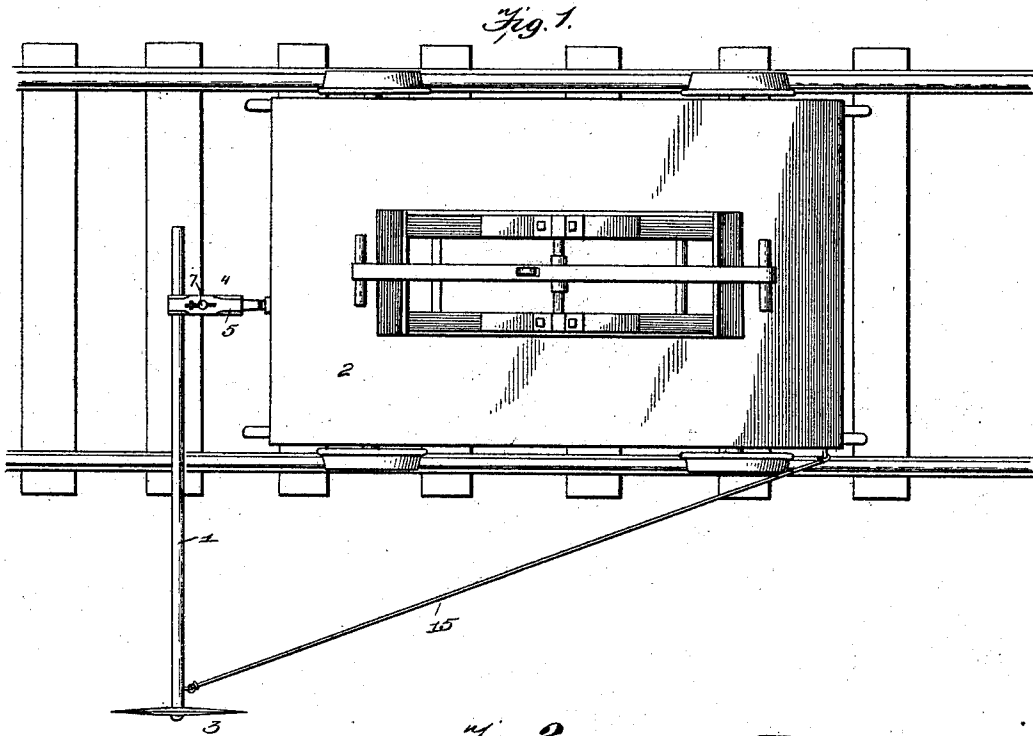


(No Model.)

W. T. POWERS.
LAND MARKER.

No. 544,825.

Patented Aug. 20, 1895.



Inventor

Witnesses

John C. Shaw.
J. H. Piley

William T. Powers
By *W. T. Powers* Attorneys.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WILLIAM T. POWERS, OF UDALL, KANSAS.

LAND-MARKER.

SPECIFICATION forming part of Letters Patent No. 541,825, dated August 20, 1895.

Application filed May 21, 1895. Serial No. 550,132. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. POWERS, a citizen of the United States, residing at Udall, in the county of Cowley and State of Kansas, have invented a new and useful Land-Marker, of which the following is a specification.

The invention relates to improvements in land-markers.

The object of the present invention is to improve the construction of land-markers and to provide one adapted to be mounted on a hand-car and capable of adjustment to bring the cutter or marking device the desired distance from the track, in order to mark out a straight line parallel with the track, to serve as a guide for gutters, ditches, and the like.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a plan view of a marker constructed in accordance with this invention and shown applied to a hand-car. Fig. 2 is an enlarged detail sectional view taken longitudinally of the bearing. Fig. 3 is a detail perspective view of one of the sections of the bearing. Fig. 4 is a detail view of a rotary cutter or marker.

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

1 designates an adjustable rod arranged at one end of a hand-car 2 and provided at its outer end with a rotary cutter or marking device 3 and capable of transverse adjustment relative to the hand-car to bring the marking device the desired distance from the track, in order to mark a straight line parallel with the track to serve as a guide for excavating cutters, ditches, or the like. The adjustable transversely-disposed rod is preferably constructed of tubular metal, and it is preferably arranged at the rear end of the hand-car. It is adjustably mounted in a transverse opening of a sectional bearing or clamp 4, composed of upper and lower sections 5 and 6, having vertical perforations at a central point receiving a headed pin or fastening device 7. The pin or fastening device 7 has its head engaging one of the sections of the clamp

or bearing, and it is provided at its other end with a slot receiving a wedge-shaped key, which engages the other section of the clamp or bearing, and which forces them together and causes them to clamp the transverse rod 1. The sections are provided at their outer ends with opposite recesses 9, which form an opening for the rod 1, and at their inner ends the sections are provided with concavities 10, receiving and forming a socket for a ball 11 of a bracket 12 secured to the hand-car. The bracket is provided with divergent arms secured to the hand-car. It has a stem or shank, and the ball is arranged at the outer end of the stem or shank. The inner ends of the sections of the clamp or bearing are provided with recesses 13, forming an enlarged opening to permit a limited lateral swing of the clamp or bearing on the bracket, and one of the sections is provided at opposite sides with ribs 14, which separate the front portions of the sections, and which prevent the ball from being clamped in the socket when the sections are forced into engagement with the rod by the locking device.

The transverse rod is supported by a guy-rope 15 extending from the outer end of the rod to the front end of the hand-car and secured to said parts by suitable fastening devices, such as staples, hooks, or the like. The rotary cutter or marking device is mounted on a journal at the outer end of the transverse rod.

The sectional clamp or bearing permits the transverse rod to be adjusted to bring the rotary cutter or marking device nearer to or farther from the track. The socket and ball form a universal joint and permit the cutter to rise and fall to conform to the inequality of the surface to be marked, and the recesses 13 permit the necessary lateral movement of the clamp or bearing to prevent injury to it from the jars and strains incident to the cutter or marking device passing over uneven surfaces.

It will be seen that the marking device is exceedingly simple and inexpensive in construction, that it is capable of ready adjustment, and that it is adapted to be readily transferred from one side of the hand-car to the other, so as to mark either side of the track.

Changes in the form, proportion, and the

minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

5 What I claim is—

1. A land marker, comprising a bracket, designed to be mounted on a hand car, and provided with a ball, a bearing or clamp composed of sections having opposite concavities
10 to form a socket to receive the ball, and provided with a transverse opening, a rod arranged in the transverse opening and provided at the outer end with a marking device, and a fastening device connecting the sections and adjustably engaging the rod, sub-
15 stantially as described.

2. A land marker, comprising a bracket, designed to be mounted on a hand car, and provided with a ball, a clamp or bearing com-
20 posed of two sections provided at their front ends with notches or recesses to form a trans-

verse opening, and having at their rear ends concavities forming a socket and receiving the ball, said sections being provided at their rear ends with ribs interposed between them, 25 a rod provided at its outer end with a marking device and arranged in the transverse opening of the clamp or bearing, a fastening device passing through the sections and engaging one of them and provided adjacent to 30 the other with a slot, and a wedge-shaped key arranged in the slot and engaging the adjacent section of the clamp or bearing, substantially as and for the purpose described.

In testimony that I claim the foregoing as 35 my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM T. POWERS.

Witnesses:

THOMAS C. BUCKLE,
MARTIN WILLIAMS.