R. SERAFIN.

RAILROAD TIE.

APPLICATION FILED JAN. 16, 1913.

1,068,456. Patented July 29, 1913.

Fig 1

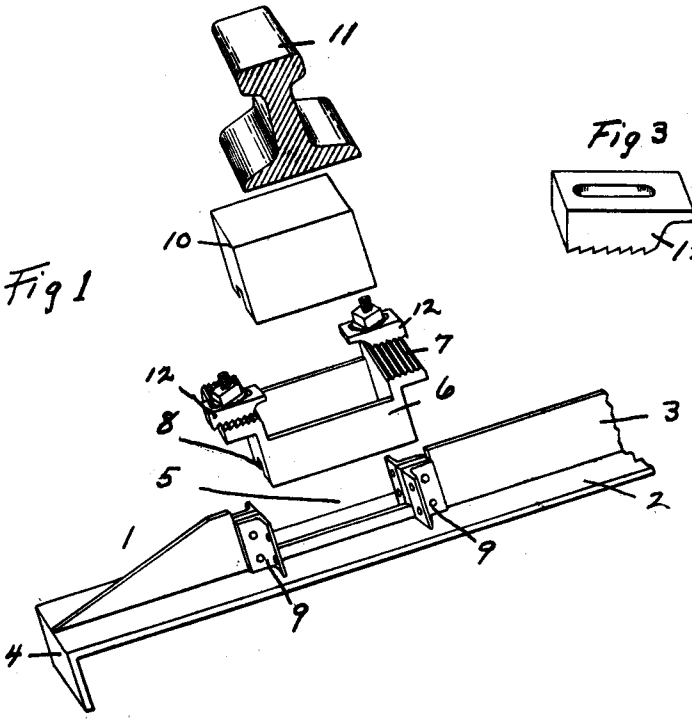
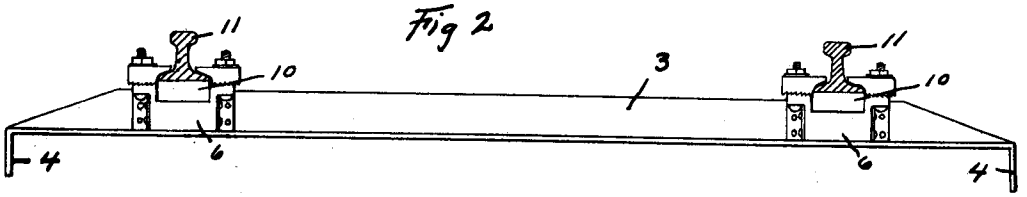


Fig 3

Fig 2



Witnesses:

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UNITED STATES PATENT OFFICE.

ROMANO SERAFIN, OF STAFFORD SPRINGS, CONNECTICUT.

RAILROAD-TIE.

1,068,456. Specification of Letters Patent. Patented July 29, 1913.

Application filed January 16, 1913. Serial No. 742,478.

To all whom it may concern:

Be it known that I, ROMANO SERAFIN, a citizen of the United States, residing at Stafford Springs, in the county of Tolland and State of Connecticut, have invented certain new and useful Improvements in Railroad-Ties, of which the following is a specification.

The object of the invention is to provide a metallic railroad tie which is practical.

A further object of the invention is to provide a metallic tie which may be of drawn metal having parts adapted for such a type of tie.

To these ends and also to improve generally upon devices of the class specified, the invention consists in the various matters hereinafter described and claimed.

Figure —1— is a perspective view of one end of the tie having the various parts separated to conveniently illustrate the same. Fig. —2— is a lateral view of the tie complete with the rails in place. Fig. —3— shows the preferred type of a clamp for said rails.

Referring to the drawings as the illustrated embodiment of the invention, the body part of the tie —1—, which is of one piece, has a base section —2— and a flange section —3— arranged at right angles to each other so that the body part of the tie is preferably inverted T shaped in cross section. Projections —4— are arranged at the ends of the tie and are adapted to be sunk into the ground to assist in holding said tie in place. The flange section —3— is partially cut away, as at —5—, by any convenient method thereby providing space for a metallic receptacle —6— preferably box shaped and having lips —7— with a racked surface. The sides of said receptacle are slotted as at —8— to fit over the flange portion —3— and the receptacle is preferably positively held in place in said tie by angle iron braces —9— conveniently riveted in place. Arranged in said receptacle is a resilient block —10— constructed of wood, leather, paper or any suitable resilient substance; rails —11— rest on said block —10— and are preferably secured in place by means of the clamps —12— which engage the lips of the receptacle —6—.

It will be seen that the device is especially adapted for a metallic tie made of drawn metal so that the tie may be strong durable and the body portion thereof in one piece while the separable parts are especially constructed for this type of a tie.

What I claim is—

1. A one piece metallic railroad tie T shaped in cross section partially cut away to receive a receptacle carrying a resilient block for a rail, means for securing said receptacle in place and means for holding said rail consisting of clamps for said rail in toothed engagement with racked lips integral with said receptacle.

2. A one piece metallic railroad tie T shaped in cross section having a base section and a flange section, said flange section partially cut away, a receptacle in slotted engagement with said flange section, a resilient block slotted longitudinally resting on said base section on each side of said flange section, means for securing said receptacle in place and means for holding said rail on said resilient block.

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

ROMANO SERAFIN.

Witnesses:
GEO. B. WARD,
SALVATOR D'ESOPO.

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