

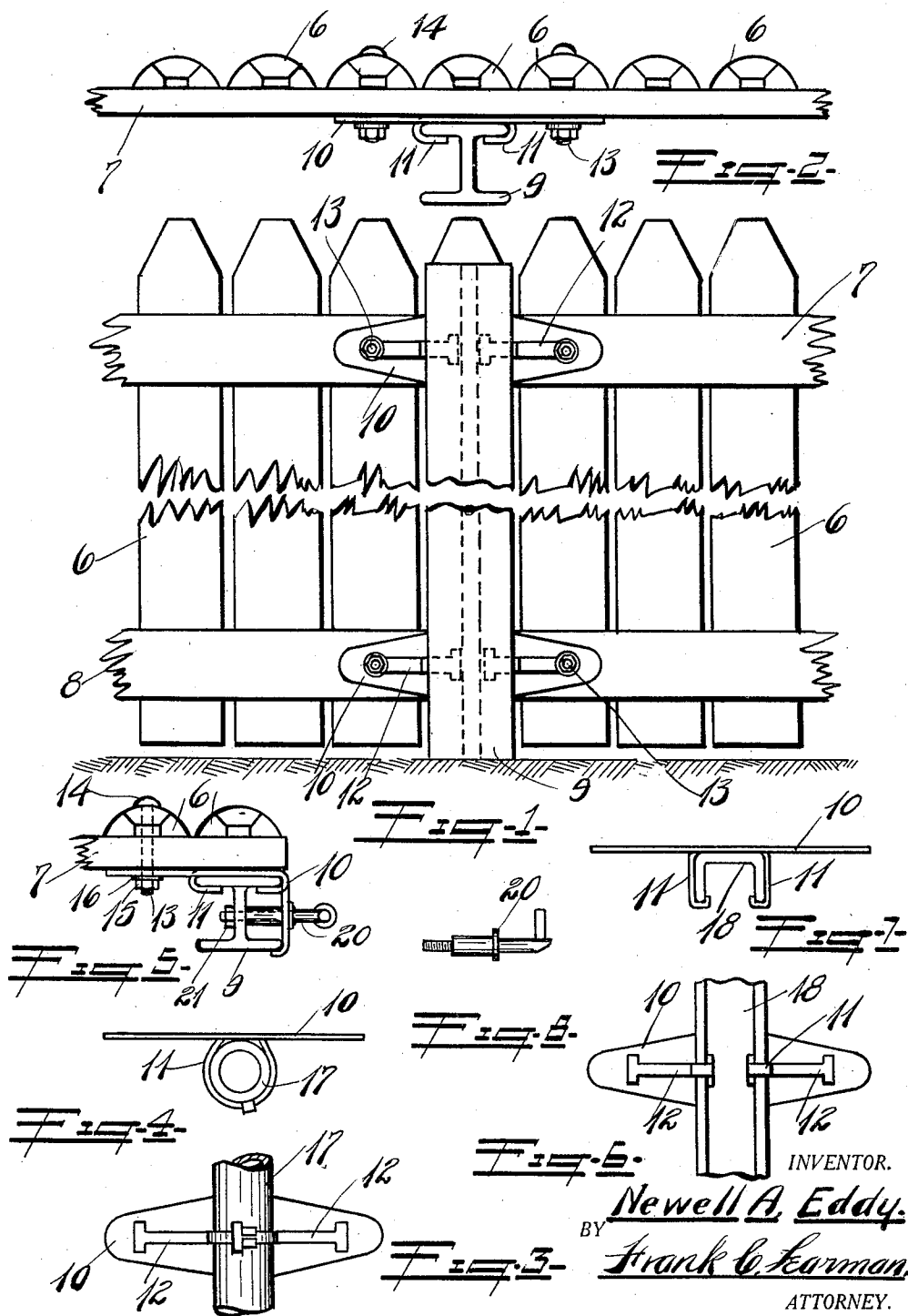
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RAIL CONNECTION

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UNITED STATES PATENT OFFICE

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RAIL CONNECTION

Application filed May 18, 1931. Serial No. 538,112.

This invention relates to fences, and more particularly to means for connecting a wood fence to metal fence posts or supports.

One object of the invention is to design a very simple, practical, rugged, and neat appearing plate connection, which can be economically manufactured, which can be readily applied by the workman in the field, and which presents a finished and pleasing appearance.

Another object is to provide a connection which can be formed of a stamping and which readily lends itself to mass production at a minimum cost.

The above and other objects will appear as the specification progresses, reference being had to the accompanying drawing in which I have shown the preferred embodiment of my invention, and in which like reference numerals indicate like parts throughout the several views thereof.

In the drawing

Fig. 1 is a fragmentary side view of a section of fence showing my connecting means.

Fig. 2 is a top plan view.

Fig. 3 is a view showing my connecting plate used with a round post.

Fig. 4 is a top plan view.

Fig. 5 is a view showing how this plate connection lends itself to a gate mounting.

Fig. 6 is a view similar to Fig. 3 showing a U-shaped post.

Fig. 7 is a top plan view.

Fig. 8 is a side view showing one of the gate pivot hinges.

Referring now more particularly to the drawing, the numeral 5 indicates a section of fence made up of a plurality of picket sections 6, which are in turn suitably secured to the top and bottom conventional rail members 7 and 8 respectively.

Metal fence posts 9 are provided in spaced apart relation in the usual manner, and can be of any desired design and shape, an H section being shown in Figs. 1 and 2, and for the purpose of illustration. The connecting plate 10 is preferably a stamping, having opposed strap sections 11 formed integral therewith; the free end of each strap being

T shaped, and are secured to the posts 9 in a manner to be presently described.

After the plate has been blanked to shape these straps are bent outwardly as shown in Figs. 1 and 2 of the drawing providing elongated openings 12 in the plate, and these openings accommodate bolts 13 which can be hand forged or hammered, or provided with a round head 14 if so desired, the opposite end being threaded and a nut and washer 15 and 16 respectively are provided, so that the plate can be rigidly connected to the fence, the strap sections 11 are then bent inwardly around the legs of the post, and form a rigid and substantial connection thereto.

In Fig. 3 of the drawing, I have shown a hollow round post 17, and when posts of this design are used, the straps are bent around and the legs of the T-shaped ends folded over into interlocking relation, again forming a rigid and satisfactory connection.

In the construction shown as in Figs. 3, 6, and 7, U-shaped posts 18 are employed, the straps 11 being bent around the legs of the post and form a rigid connection therewith, the plate being identically the same.

In Fig. 5 I have shown how the plate adapts itself for a gate mounting, in this construction the rails 7 and 8 project slightly beyond the post, and the end of the plate is bent outwardly and around, suitable openings being provided in the post, and pivot bolts 20 extend through the slotted openings 12, thence through the opening provided in the post, and a nut 21 is provided for rigidly securing it in position, and the gate, (not shown), can then be hung thereon.

Various modifications may of course be made in the shape of the plate, the straps are convenient but not a necessity, as the plate can be welded to the face of the post, also the straps can be welded to the post if desired, and I do not wish to be limited to any specific design or shape except as limited by the appended claims.

From the foregoing description it will be clearly obvious that I have perfected a very simple, practical, rugged, and neat appearing

connection for connecting wood fencing to metal posts.

What I claim is:—

1. A stamped plate for connecting a wood
5 fence to a metal post, opposed T-shaped strap
sections stamped from said plate and adapted
when bent to expose slotted openings to ac-
commodate bolts for securing the plate to the
fence, said straps embracing the post with
10 the ends in interlocking engagement for rigid-
ly securing the fence thereto.

2. In a device of the class described, the
combination with a fence post, of a plate
adapted to be rigidly secured to a fence and
15 having opposed T-shaped strap sections
stamped from said plate, said sections being
of proper length so that when secured to said
post, the T-shaped ends interlock and secure
the plate rigidly in position.

20 In testimony whereof I hereunto affix my
signature.

NEWELL A. EDDY.

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