

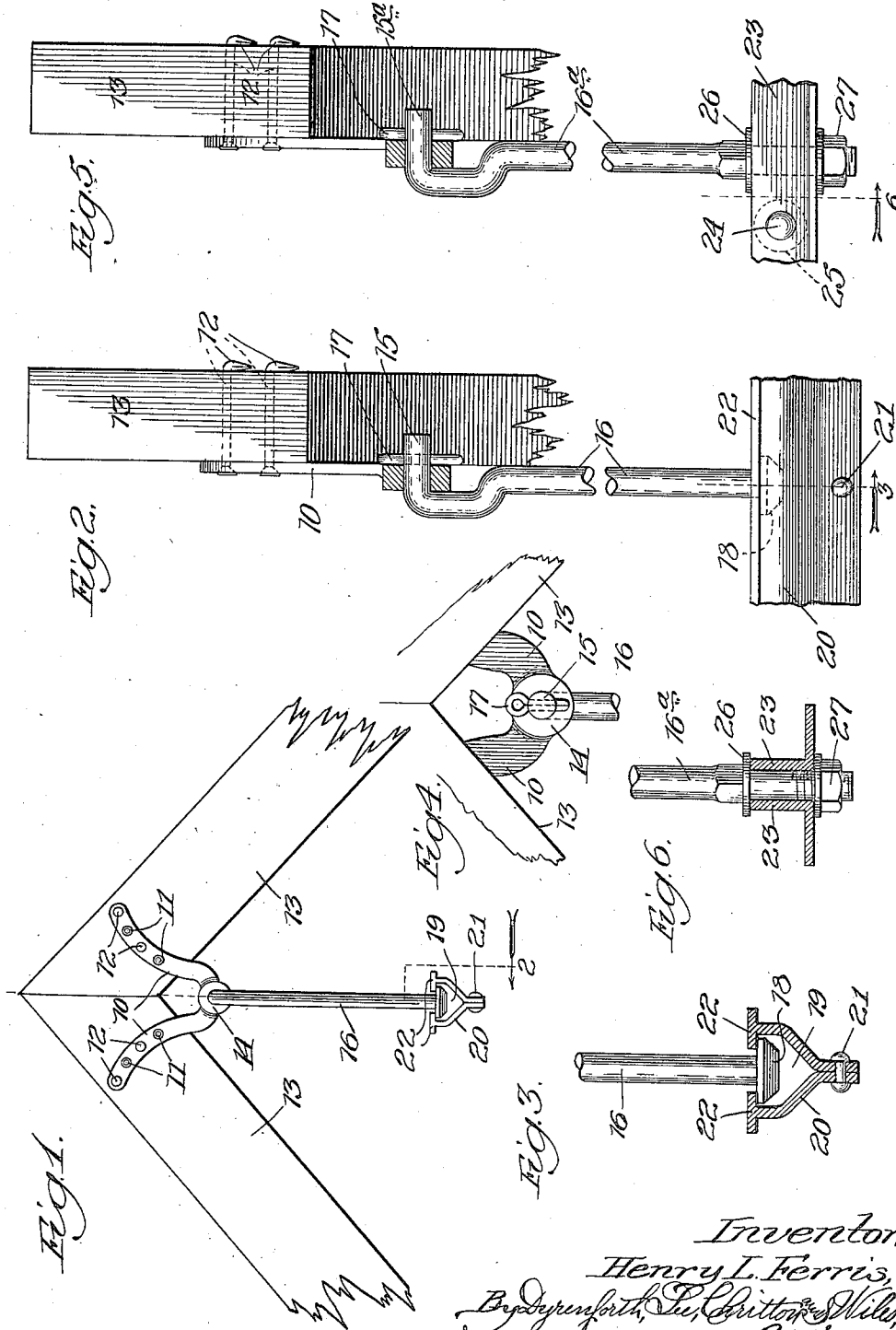
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H. L. FERRIS

TRACK HANGER

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Inventor:
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UNITED STATES PATENT OFFICE.

HENRY L. FERRIS, OF HARVARD, ILLINOIS, ASSIGNOR TO HUNT, HELM, FERRIS & COMPANY, OF HARVARD, ILLINOIS, A CORPORATION OF ILLINOIS.

TRACK HANGER.

Application filed February 8, 1923. Serial No. 617,804.

To all whom it may concern:

Be it known that I, HENRY L. FERRIS, a citizen of the United States, residing at Harvard, in the county of McHenry and State of Illinois, have invented a new and useful Improvement in Track Hangers, of which the following is a specification.

This invention relates to track hangers and the like, and is particularly adapted to be used for supporting the track for hay carriers and the like in barns. The invention is fully described in the following specification and is shown in the accompanying drawings, in which:

Figure 1 is a partial end elevation of the barn rafters with the track hanger in place, with a track suspended therefrom;

Fig. 2 is an enlarged vertical section on line 2 of Fig. 1;

Fig. 3 is a vertical section on line 3 of Fig. 2;

Fig. 4 is a partial rear elevation of the rafter and hanger;

Fig. 5 is a view similar to Fig. 2, showing a modified form of hanger and track; and

Fig. 6 is a partial vertical section on line 6 of Fig. 5.

The embodiment shown in Figs. 1 to 4 comprises a bracket 10 of a general V-shape, having holes 11 through which nails 12 are driven for securing the bracket to rafters 13.

Through the bottom of the bracket is drilled a horizontal hole 14 which is adapted to receive the end 15 of a hanger rod 16; the cotter pin 17 passing through the end 15 serves to retain it in the bracket.

A squared head 18 is formed on the lower end of the rod 16 and is adapted to slide in the central portion 19 of the track 20. This track consists of two rolled sections, secured together by means of rivets 21, each section having T-shaped tops 22 the angle edges of which partially enclose the space 19 and form ledges which rest upon the upper ledge of the head 18.

In installing these hangers in the barn, two end brackets 10 are nailed to the rafters of the two ends of the barn and a chalk line is then tightly stretched over the brackets at the bottom of the V. The other brackets

throughout the barn are then adjusted to alignment with this line and nailed in place. In this way the alignment of all the brackets is assured.

All this, too, is done before any of the track is put into place, so that the carpenter who does it is not bothered with having to work around the track in the cramped space at the roof of the barn, as has heretofore been the case in applying the track hangers now in use.

With the brackets all nailed in place, the rods 15 are assembled by sliding them through the track, and the track is raised into place, and the rods, one after another, are slipped through the holes 14 in the brackets and secured by means of the cotter pins.

As all of the holes 14 are in alignment, the track can freely swing with the load which it supports, so that the bracket is subject to no undue bending strains from this cause.

In Figs. 5 and 6 is shown a modified form of track, consisting of two angle iron sections 23 secured together by means of rivets 24 and separated a fixed distance by means of suitable separators 25.

In this form the rod 16^a has a shoulder 26 which is a fixed distance from the end 15^a, while the lower end of the rod passes between the angle iron sections 23 and is threaded to receive a nut 27.

In assembling this form of track, the rods 16^a are placed loosely in the track at intervals, corresponding generally to the brackets 10. The nuts 27 are then tightened, after the rods have been adjusted lengthwise with the track to suit the individual brackets.

While I have shown and described but a few embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made, which do not depart from the spirit and scope of my invention as disclosed in the appended claims, in which it is my intention to cover all novelty inherent in the invention, as broadly as possible, in view of the prior art.

What I claim as new, and desire to secure by Letters Patent, is:

1. In combination, a track hanger element adapted to be secured to a building member, said bracket having a horizontal hole therein, a depending member having an end extending laterally and adapted to engage said hole, and a track adjustably secured to said depending member.
2. A track hanger adapted to suspend a track from the peak of a barn roof comprising a V-shaped bracket adapted to be secured to a building member, said bracket having a horizontal hole at the bottom of the V, a rod adapted to be secured to a track and adjustable longitudinally thereof, said rod having an end extending at right angles to the body of the rod and adapted to pass through said hole.
3. A track hanger adapted to suspend a track from the peak of a barn roof comprising a V-shaped bracket adapted to be secured to a building member, said bracket having a horizontal hole at the bottom of the V, a rod adapted to be secured to a track and adjustable longitudinally thereof, said rod having an end extending at right angles to the body of the rod and adapted to pass through said hole, and a cotter pin for retaining said end in said bracket.

HENRY L. FERRIS.