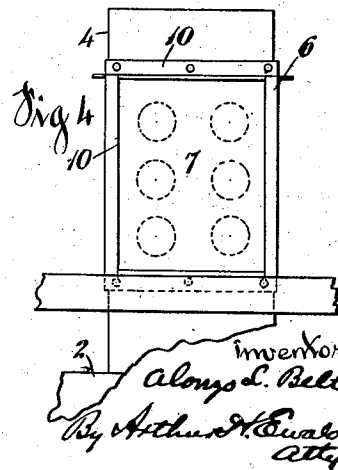
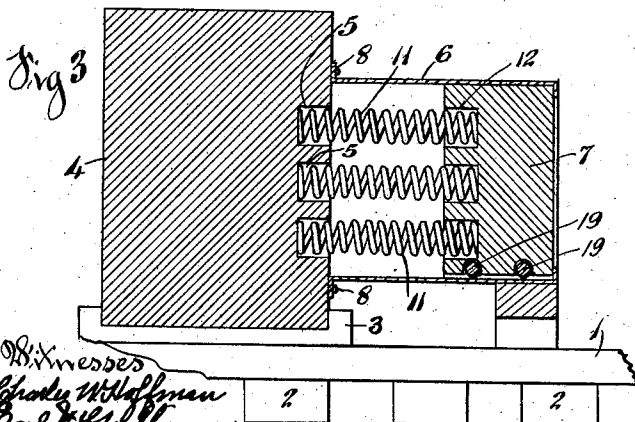
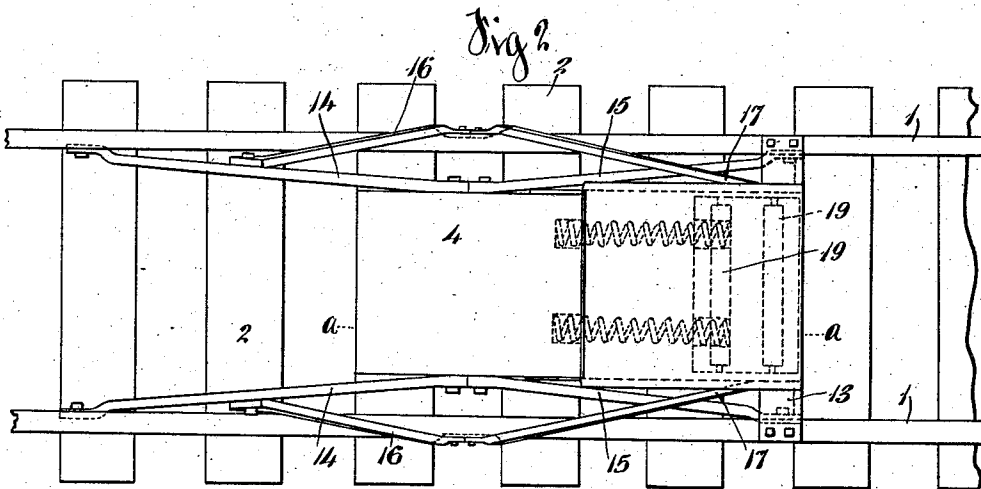
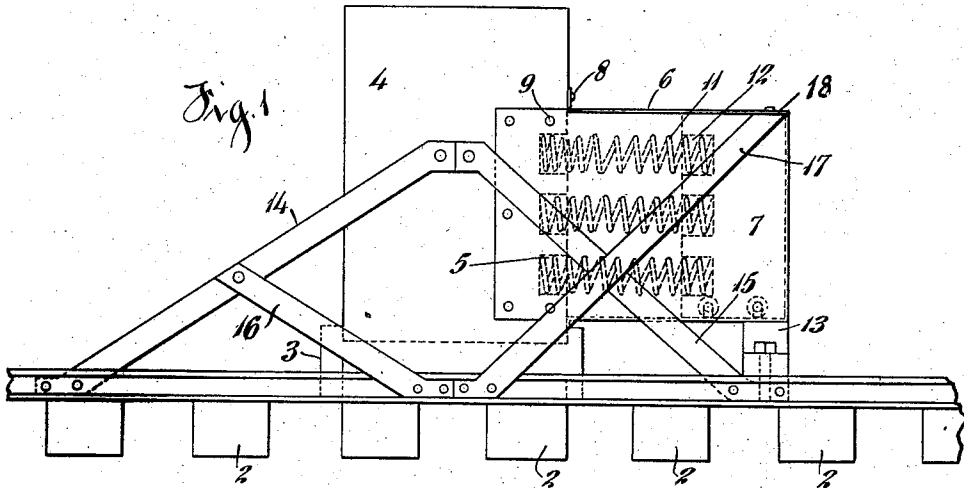


A. L. BELT.
BUMPING POST.

APPLICATION FILED NOV. 11, 1910.

1,027,098.

Patented May 21, 1912.



UNITED STATES PATENT OFFICE.

ALONZO L. BELT, OF CINCINNATI, OHIO.

BUMPING-POST.

1,027,098.

Specification of Letters Patent.

Patented May 21, 1912.

Application filed November 11, 1910. Serial No. 591,897.

To all whom it may concern:

Be it known that I, ALONZO L. BELT, a citizen of the United States, and a resident of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Bumping-Posts, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to a bumping post for use at the termination of a railroad track to limit the movement of a car or train in that direction.

It is the object of my invention to provide a bumping post, of simple, efficient and durable construction, having an elastic or resilient buffer, whereby the shock of impact is absorbed and the life of the bumping post and car prolonged.

In the drawings: Figure 1 is a side elevation, Fig. 2 is a plan view, Fig. 3 is a section on line *a-a* of Fig. 2, Fig. 4 is a front elevation of the buffer.

The numeral 1 indicates the rails of a railroad track; said rails being fixed to the ties 2 in the usual manner. Upon the ties, and between the rails near the termination of the track is set a base block 3, the same being bolted to the rails if desirable. Said base block may be of wood or other suitable material, and the top thereof has a square depression into which the post 4 is set; said post is preferably of metal, and has in its front side cups or depressions, 5, preferably six in number. The casing 6 for the buffer 7, said buffer being of metal or other suitable material, is made of sheet metal of a suitable thickness and is bolted onto the post 4 as shown at 8 and 9. Said casing has inward turned flanges 10 at its front end, which is open, to limit the forward movement of the buffer 7, which is forced against said flanges by springs 11, mounted between the post 4 and said buffer in cups 12 in the rear side of the buffer and in the cups 5 in the front of the post 4. The front end of the buffer casing is supported on a bridge 13 between

the rails. The buffer rides on rollers 19, suitably mounted in the base thereof.

Bolted to the post 4, similarly on each side thereof, are braces 14 and 15; the braces 14 extending backwardly and being bolted to the inside of the rails at a suitable distance in the rear, and the braces 15 extending forward and being similarly attached to the rails at a suitable distance in front of the post. To strengthen and maintain the rigidity of the braces 14 on either side of the post, are braces 16, each of said braces 16 being bolted to the outside of the rail at a point about opposite the middle of the post and extending back and upwardly to meet the brace 14 at about the middle of its length, and being bolted thereto. Braces 17, also bolted to the outside of the rails on both sides of the post in front of the braces 16, extend upwardly and inwardly to the top of the buffer casing, where they are bolted to extending flanges of said top, as shown at 18; said braces 17 serving, in connection with the other braces to prevent the rearward displacement of the post and also, by reason of their inward inclination, the lateral displacement of the buffer casing and buffer.

From the foregoing description the operation and value of my new bumping post will be at once apparent; any shock by impact on the buffer 7 being taken up by the springs between said buffer and the post, the latter being held rigid by the simple yet efficient arrangement of braces shown and above described.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

A bumping post comprising a base, a post, the upper surface of said base being recessed to engage said post, a casing mounted on said post, a buffer mounted in said casing, springs interposed between said buffer and said post and mounted in depressions in said buffer and post, a pair of opposed braces on each side of said post, fixedly securing the upper portion of said post to the rails at

points in front of and behind said post, a
connecting brace on each side of said post
interposed between the outer side of the rail
and the rear post brace, and a brace on each
5 side of said post opposed to the connecting
brace and interposed between the outer side
of the rail and the upper portion of the
buffer rigidly to sustain the same.

In testimony whereof, I have hereunto
subscribed my name this 9 day of November 10
1910.

ALONZO L. BELT.

Witnesses:

CHARLES W. HOFFMAN,
ARTHUR H. EWALD.

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