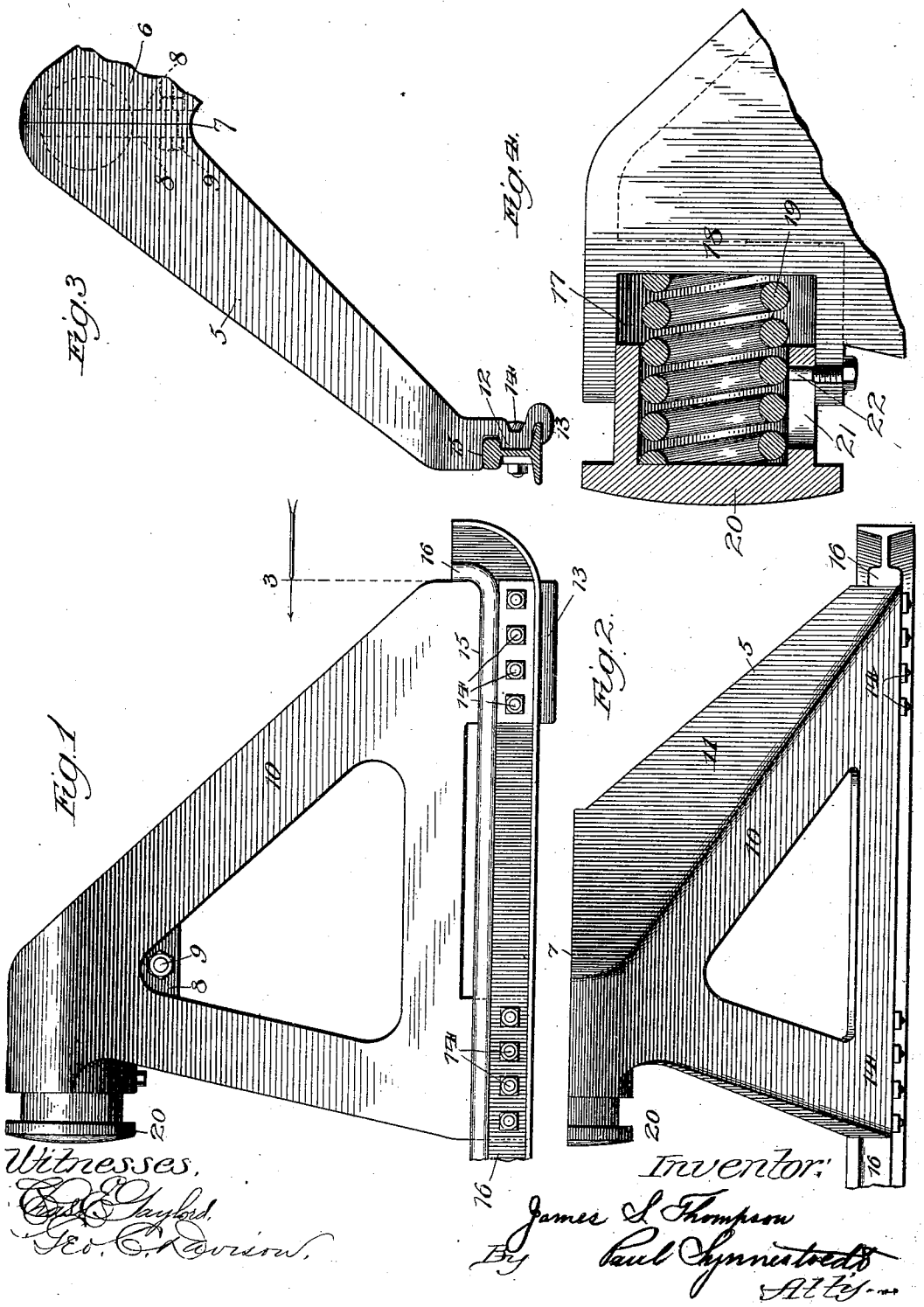
No. 725,797. PATENTED APR. 21, 1903.

J. S. THOMPSON.

BUFFER.

APPLICATION FILED MAR. 26, 1902.

NO MODEL.



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UNITED STATES PATENT OFFICE.

JAMES S. THOMPSON, OF CHICAGO HEIGHTS, ILLINOIS, ASSIGNOR TO RAILWAY APPLIANCES COMPANY, OF CHICAGO, ILLINOIS.

BUFFER.

SPECIFICATION forming part of Letters Patent No. 725,797, dated April 21, 1903.

Application filed March 26, 1902. Serial No. 100,003. (No model.)

To all whom it may concern:

Be it known that I, JAMES SHIELDS THOMPSON, a citizen of the United States of America, residing at Chicago Heights, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Bumping-Posts, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention has reference to a certain improvement in a bumping-post designed to be made of cast metal and still provided with elastic stop devices and convenient means of securing the post to the rails of a track.

The first of the objects of my present invention is the construction of a bumping-post of the type specified which can be made at low cost, which can be readily and securely attached to the rails of the track, and yet which will afford a stable and efficient post for withstanding the strains to which such devices are subject.

The above, as well as such other objects as may hereinafter appear, I attain by means of a construction which I have illustrated in preferred form in the accompanying drawings, in which—

Figure 1 is a side elevation of a bumping-post embodying my improvements. Fig. 2 is a half plan view of the same. Fig. 3 is a partial end elevation of the device, taken on the line 3 of Fig. 1; and Fig. 4 is a view through the center of the post, showing the elastic device for taking the shock on a larger scale.

In constructing my improved form of bumping-post I first provide two half-sections, which are respectively right and left, the same being marked 5 and 6 and being provided with meeting faces along the center line, as at 7, and flanges 8 affording means of connection between the two half-sections through the instrumentality of connecting-bolts 9 or like means. The right and left sections which I employ are preferably formed of cast metal and of somewhat irregular shape, as shown, (see particularly Fig. 2,) the side portion being primarily the triangular-shaped web 10 and the rear portion being primarily composed of the web 11, which gradually widens toward the center or upper part, as indicated. The lower ends of each of the half-sections are formed as shown at 12, having in such location a projecting shoulder which engages the rail, as indicated, and also in the preferred construction a hook 13, which passes under the rail a short distance to make a more secure support, the casting being fastened to the rail by means of bolts or other securing means 14. Above the projection 12 there is a shoulder at 15, which affords a solid bearing against the top of the rail-head. The rail is preferably bent, as at 16, at the end of the post, so as to aid in taking the strain to which the post is subjected. Each of the half-sections at the central part is provided with a half-pocket 17, across the bottom of which extends the wall or rib 18, the two half-pockets when the sections are joined together forming a socket or housing for the elastic buffer device or spring 19, which is protected upon its outer end by means of the spring-cap 20, which latter is held against dropping out from the socket by means of the slotted opening 21 and the pin 22.

From the above it will be obvious that I have provided a construction of bumping-post which while strong and efficient will be at the same time very cheap to make, since it cannot only be made of cast metal, but can be conveniently cast or manipulated in a mold without the employment of expensive cores or other devices of like kind, since the two half-sections are so constituted as to permit such treatment.

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

1. A bumping-post composed of right and left sections, means connecting said sections at an intermediate plane, and a spring-socket formed one half in each of said sections, substantially as described.

2. A bumping-post composed of right and

left sections, means connecting said sections at an intermediate plane, and a spring-socket formed one half in each of said sections, a spring in said spring-socket, and a spring-cap upon said spring, substantially as described.

3. A bumping-post consisting of a head with two divergent legs, which legs are increasing in width toward the bottom and are provided with hooks and abutments to fit against the rail, said head having a spring-socket and a movable cap thereon.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES S. THOMPSON.

Witnesses:
PAUL SYNNESTVEDT,
PAUL CARPENTER.