July 12, 1932. R. B. MICHENER 1,866,982

SIGNAL POST

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Fig. 1.

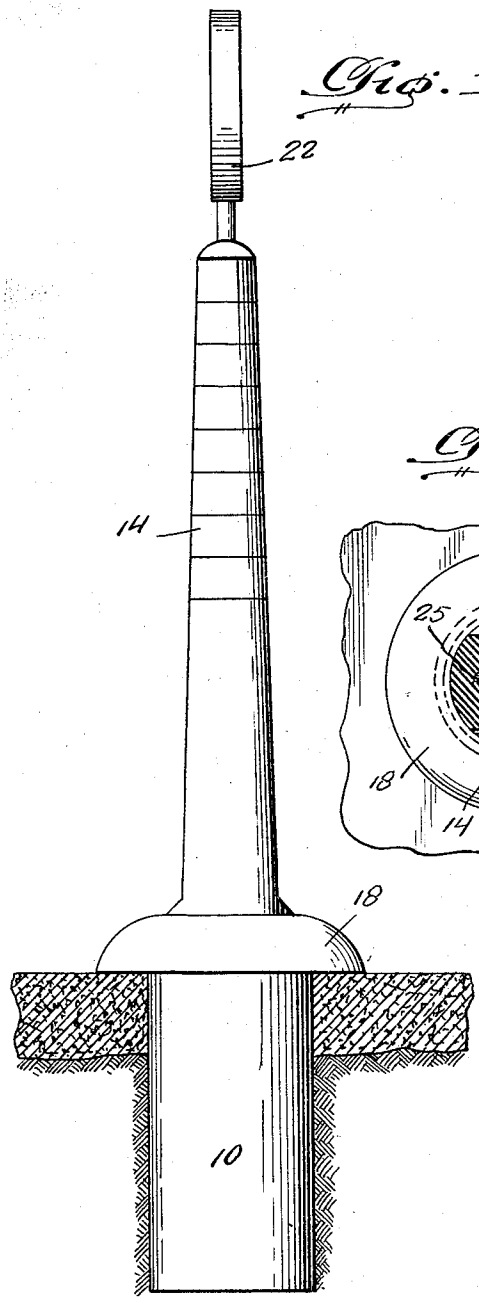


Fig. 2.

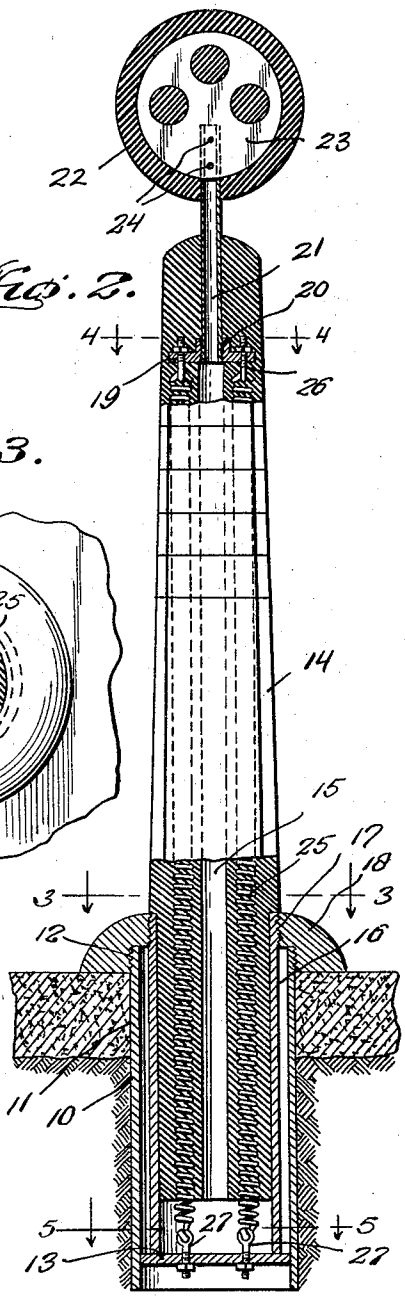
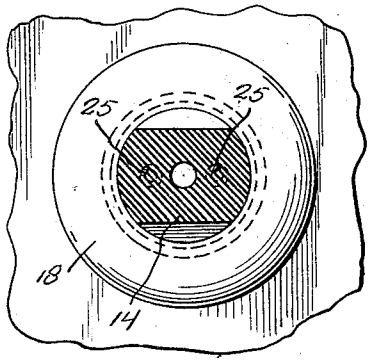


Fig. 3.



Ruby B. Michener, INVENTOR.

BY J. Stanley Bruch

ATTORNEY.

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SIGNAL POST

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Fig. 6.

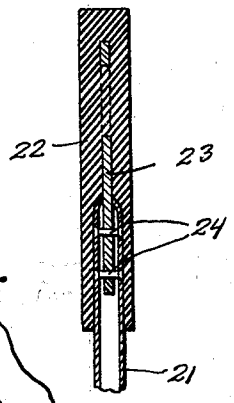


Fig. 7.

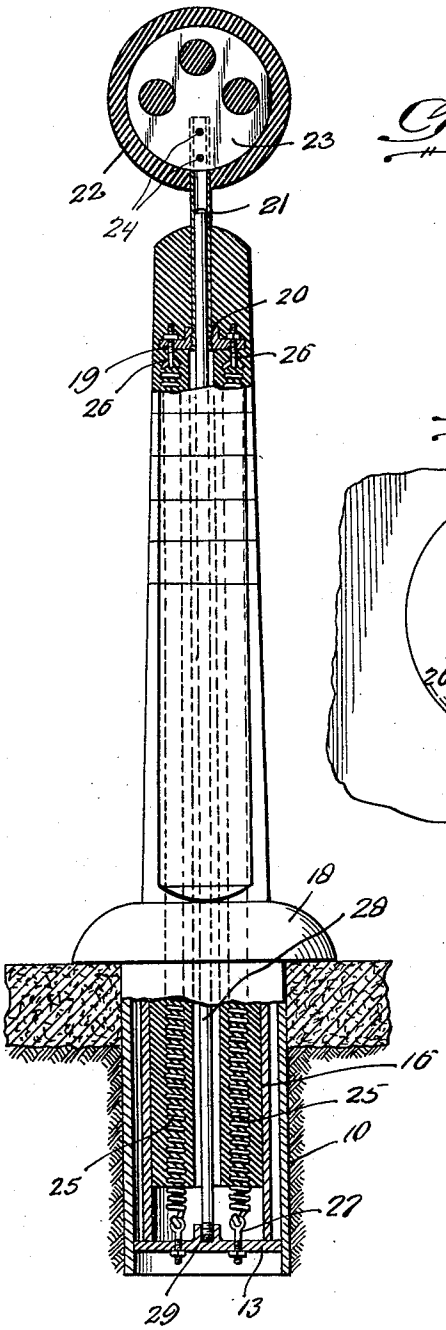


Fig. 4.

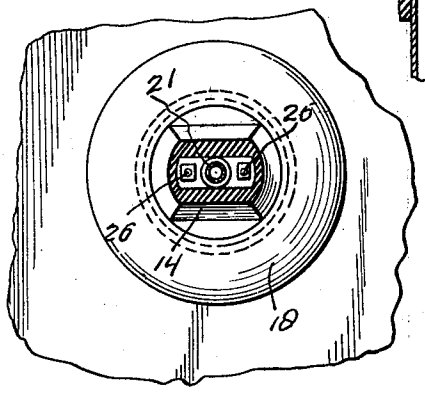
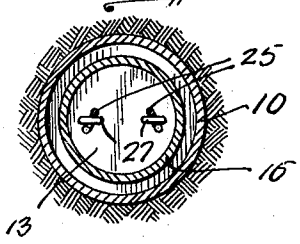


Fig. 5.



Ruby B. Michener,
INVENTOR.

BY J. Stanley Burch
ATTORNEY.

Patented July 12, 1932 1,866,982

UNITED STATES PATENT OFFICE

RUBY B. MICHENER, OF DETROIT, MICHIGAN

SIGNAL POST

Application filed October 26, 1931. Serial No. 571,192.

This invention has reference to a signal post primarily intended for use at street intersections, and constructed to yield or bend if struck by a vehicle, and thereby prevent injury to either the post or vehicle.

In carrying out the invention I also comprehend a novel construction of means for anchoring the post in the ground or surface, whereby access may be conveniently had to the component parts of the construction, for repairs and the like as the occasion might require.

Another object of the invention resides in the provision of a post of the above mentioned character which can be easily and cheaply erected at any desired point or location where its use is desired.

Other objects and advantages will appear when the following detail description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a view in elevation.

Figure 2 is a view taken at a right angle to Figure 1 and partly in section.

Figure 3 is a sectional view taken on line 3—3 of Figure 2.

Figure 4 is a sectional view taken on line 4—4 of Figure 2.

Figure 5 is a sectional view taken on line 5—5 of Figure 2.

Figure 6 is a fragmentary sectional view of the sign and its supporting standard.

Figure 7 is a view similar to Figure 2 of a slightly modified construction.

The device forming the subject matter of the present invention essentially embodies a hollow tubular foundation member 10 embedded in the ground or surface 11 but slightly projecting above the latter and exteriorly threaded as at 12. The bottom 13 of this member is inset as illustrated, and the member is utilized to support the post 14. The post is preferably constructed of rubber and provided with a longitudinal bore 15, the post tapering towards its upper end, and preferably of a cross sectional contour illustrated in Figure 3, wherein the post is formed with opposed flat sides. The post is surrounded at its lower end by a metallic sleeve 16 which projects beyond the lower end of the post and adapted to repose upon the bottom 13 of the foundation member 10. The sleeve 16 is spaced from the walls of the foundation member and projects above the latter, being exteriorly threaded as at 17. After the post together with its sleeve 16 has been inserted within the foundation member 10, the parts are secured together by means of a surface cap 18. This cap is provided with a central bore to receive the sleeve 16, the wall of the bore being threaded to the adjacent end of the sleeve 16. The cap is also provided with an annular threaded wall of greater diameter than the central bore thereof, and this wall is threaded to the adjacent end of the foundation member 10. By virtue of this construction the post can be very quickly erected at any point or location where its use is desired, and access may be readily had to the component parts of the structure for any purpose whatsoever.

Embedded in the post adjacent the upper end thereof is a metallic disk 19 characterized by a hollow threaded boss 20 rising centrally from the disk and adapted to threadedly receive the standard 21 of a sign 22. The standard is received by the bore of the post, projecting above the latter and embedded in the sign 22 as clearly illustrated in Figure 6. The sign is constructed of rubber and is preferably of disk-like formation, and is supported by the standard 21 directly above and in spaced relation to the post. The sign 22 has embedded therein a reinforcing plate or disk 23 which is partly received by the upper end of the standard 21 and secured thereto by rivets or other suitable fastening elements 24. The sign may have painted or otherwise arranged thereon any suitable indicia for guiding motor vehicular traffic at street intersections.

Molded within the post and located at opposite sides of the bore 15 are longitudinally

disposed coil springs 25, the upper ends of which are connected with eye bolts 26 secured to the disk 19, while the corresponding lower extremities of these springs are connected with the bottom of the foundation member by similar bolts 27.

In Figure 7 I have illustrated a slightly modified form of the invention, which is constructed in the same manner as hereinabove described, but which includes a flexible rod 28 arranged within the longitudinal bore of the post. The lower end of this rod is secured to the bottom 13 of the foundation member in any suitable manner, being preferably threaded into a suitable socket 29 as illustrated. The upper end of the rod is slidably received by the standard 21 of the sign 22. Otherwise the invention is the same as hereinabove set forth.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein illustrated or described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What is claimed is:

1. In a device of the character described, a hollow tubular foundation member adapted to be embedded in the ground and project above the latter, and including a bottom, a rubber post supported within said member and having a longitudinal bore therethrough, means connecting the post to said foundation member, a metallic disk molded in the post adjacent its upper end, coiled springs longitudinally arranged within the post and terminally connected with the bottom of said member and said disk, and a sign supported by the upper end of the post.

2. In a device of the character described, a hollow tubular foundation member adapted to be embedded in the ground and project above the latter, and including a bottom, a rubber post supported within said member and having a longitudinal bore therethrough, means connecting the post with the foundation member, a disk molded in the post adjacent its upper end and having a centrally located threaded boss embedded in the wall of said bore, coiled springs longitudinally arranged in the post and terminally connected with the bottom of said member and said disk, and a sign including a standard received by the bore of the post and threaded into the hollow boss of said disk.

3. In a device of the character described, a hollow tubular foundation member adapted to be embedded in the ground and project above the latter, a rubber post supported within said member and having a longitudinal bore therethrough, means for connecting the post with said member, a metallic disk molded in the post adjacent the upper end thereof and having a centrally located hollow boss, coiled springs longitudinally arranged within the post and terminally connected with said disk and the bottom of the foundation member, a disk-like rubber sign including a standard received by the upper end of said bore and threaded into said hollow boss, and a reinforcing disk embedded in said sign and secured to the upper end of said standard.

4. In a device of the character described, a hollow tubular foundation member adapted to be embedded in the ground and project above the latter, a rubber post having a longitudinal bore therethrough, a metallic sleeve surrounding the lower end of the post and adapted to be positioned in the foundation member in spaced relation thereto, the upper end of said sleeve projecting above the foundation member, and a cap having a central bore receiving said post and threaded onto the adjacent end of said sleeve, an annular threaded portion secured to the adjacent end of the foundation member, and a sign supported by the upper end of the post.

5. In a device of the character described, a hollow tubular foundation member adapted to be embedded in the ground and project above the latter, a rubber post having a longitudinal bore therethrough, a metallic sleeve surrounding the lower end of the post and received by the foundation member, said sleeve projecting above the foundation member, a cap threaded to the upper ends of both the sleeve and foundation member for securing the post in place, a metallic disk embedded in the upper end of the post, coiled springs longitudinally arranged within the post and terminally connected with said disk and the bottom of the foundation member, and a sign including a standard supported by said disk and received by the bore of said post.

In testimony whereof I affix my signature.

RUBY B. MICHENER.