

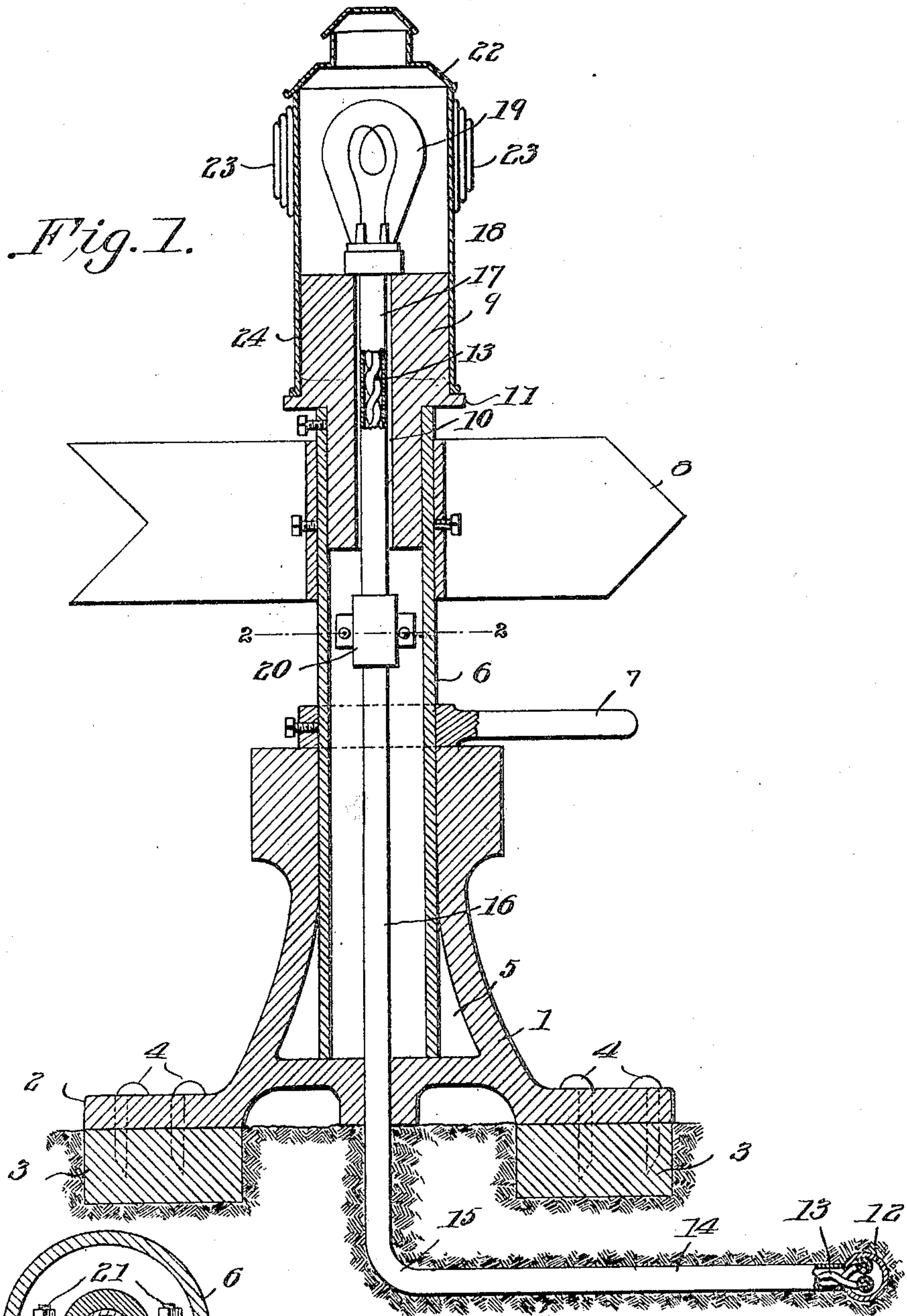
No. 807,655.

PATENTED DEC. 19, 1905.

R. S. BRUNNER & E. E. SMITH.

RAILROAD SWITCH.

APPLICATION FILED JUNE 20, 1905.



Witnesses

*E. J. Stewart*  
*L. J. Morrill*

*Fig. 2.*

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# UNITED STATES PATENT OFFICE.

ROY S. BRUNNER AND EDWARD E. SMITH, OF WELLSTON, OHIO.

## RAILROAD-SWITCH.

No. 807,655.

Specification of Letters Patent.

Patented Dec. 19, 1905.

Application filed June 20, 1905. Serial No. 266,145.

*To all whom it may concern:*

Be it known that we, ROY S. BRUNNER and EDWARD E. SMITH, citizens of the United States, residing at Wellston, in the county of Jackson and State of Ohio, have invented a new and useful Railroad-Switch, of which the following is a specification.

Our invention relates to railroad-switches, and especially to switches upon which is mounted an electric signal-light.

It is well known that it is necessary to remove the lantern or glazed casing from a switch-light occasionally to clean or for other purposes.

It is an object of our invention to provide a switch having an electric light mounted thereon and from which the lantern member may be removed without disturbing the light.

A further object of our invention is to provide a switch with an electric light mounted thereon and which may be covered by lantern-casings of the types commonly in use.

A further object of our invention is to provide a switch having an electric light mounted thereon and which may be rotated to manipulate the rails without rotating the light or twisting the conductor.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made without departing from the spirit of the invention or sacrificing any of its advantages.

In the drawings, Figure 1 is a vertical sectional view of our improved switch stand and light. Fig. 2 is a transverse sectional view of the standard and casing connecting device, taken on line 2 2 of Fig. 1.

Like characters of reference designate corresponding parts throughout both views.

In its preferred embodiment our improved switch stand and light comprises the base 1, which may have the feet 2 arranged to rest upon cross-ties 3, as by the spikes 4. The base is provided with a central opening 5, in which is disposed a tubular standard 6, rotatable in the opening by any approved means, as the lever 7, rigidly secured thereto and carrying a target 8, rotatable therewith. Within the upper end of the tubular standard 6 is in-

serted a block 9, having an axial opening 10 and an annular flange 11.

From any convenient underground electric conduit, as 12, an electric conductor 13 is lead to the stand and incased in a rigid casing, as 14. The casing, with its inclosed conductor, is bent, as at 15, forming a vertically-disposed portion 16, passing upwardly through the tubular standard 6. Through the opening 10 in the block 9 a casing 17 is passed downwardly and provided with a bearing-block 18, bearing upon the block 9. The electric conductor 13 may be passed upwardly through the casing member 17 and connected with an electric-light bulb 19, secured upon the bearing-block 18. The two conductor-casings 16 and 17 may be connected together by any approved means, as by the clips 20, clamped together by the bolts 21. Upon the block 9 is disposed a lantern-casing 22, which may have the usual colored glasses 23 therein, and provided with a sleeve 24, proportioned to pass over the light 19 and block 9 and rest upon the flanges 11.

From the foregoing description it will be obvious that the glazed lantern-casing 22 rotates with the standard 6 when the switch is "thrown" and that the light resting upon the block 9 is held from rotary or twisting movement by the rigid casings 16 and 17 and that the lantern may be removed without removing or interfering with the light.

Having thus described the invention, what is claimed is—

1. In a switch-light, a rotatable switch-standard, a light mounted and supported upon the top of the standard and means whereby the light remains stationary while the standard rotates.

2. In a switch-light, a switch-standard, a light mounted and supported upon the top of the standard, a glazed casing covering the light and means whereby the casing may be removed without removing the light.

3. In a switch-light, a rotatable switch-standard, a light mounted and supported upon the top of the standard, a glazed casing disposed upon and rotating with the standard and covering the light, means whereby the standard may rotate without rotating the light and means whereby the casing may be removed without removing the light.

4. In a switch-light, a switch-stand, a tubular rotatable standard mounted upon the stand,

a rigid conductor passing upwardly through and supported by the standard and with a bearing upon the top of the standard whereby the standard may rotate without twisting the conductor.

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10 5. A switch comprising, a stand, a tubular rotatable standard mounted upon the stand, a rigid conductor passing upwardly through the standard, a bearing-plate upon the top of the standard whereby the standard may rotate without twisting the conductor, a light mounted upon the bearing-plate and connected with the conductor, a glazed casing

mounted on and rotating with the standard and covering the light, the said casing having 15 a sleeve of a diameter larger than the light-body, a target carried rigidly upon the standard and means for rotating the standard.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures 20 in the presence of two witnesses.

ROY S. BRUNNER.  
EDWARD E. SMITH.

Witnesses:

W. B. DERINGTON,  
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