

G. W. DALLIMORE.
 FLAG OR SIGNAL.
 APPLICATION FILED SEPT. 11, 1908.

938,221.

Patented Oct. 26, 1909.

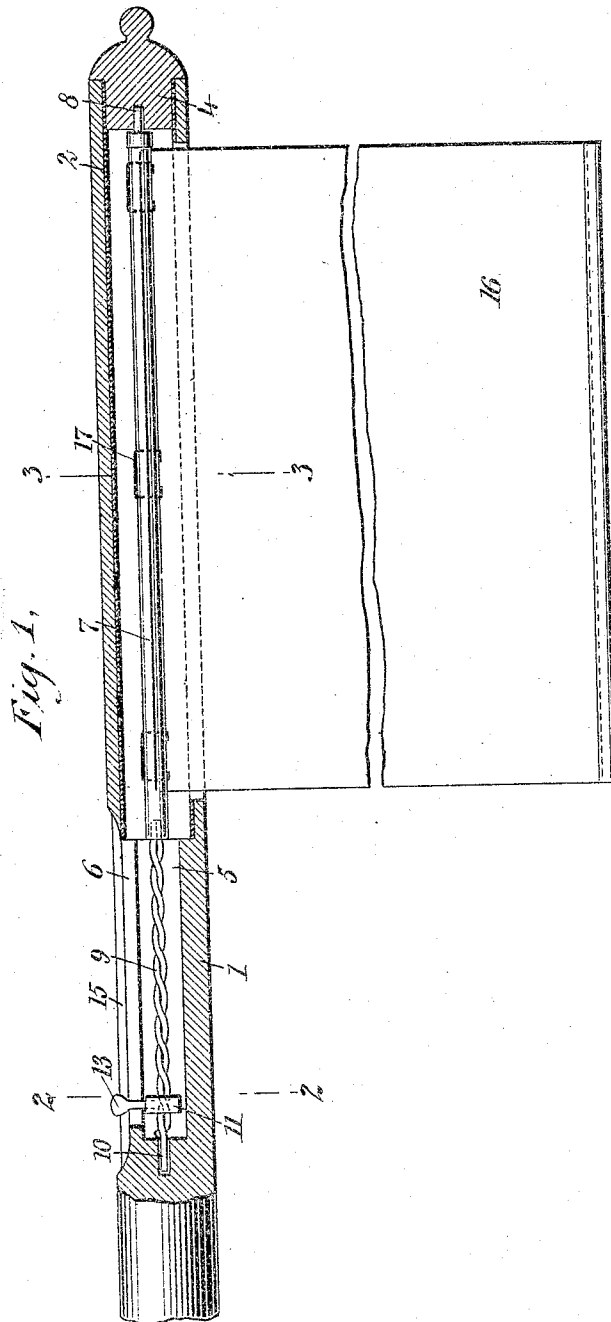


Fig. 1,

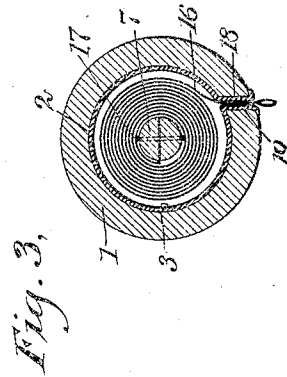


Fig. 3,

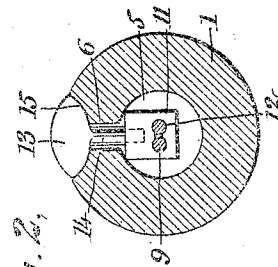


Fig. 2,

WITNESSES

Edward Thorpe
 J. D. Amman

INVENTOR
 George W. Dallimore
 BY *Mumford Co.*
 ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE W. DALLIMORE, OF POCA TELLO, IDAHO.

FLAG OR SIGNAL.

938,221.

Specification of Letters Patent.

Patented Oct. 26, 1909.

Application filed September 11, 1908. Serial No. 452,537.

To all whom it may concern:

Be it known that I, GEORGE W. DALLIMORE, a citizen of the United States, and a resident of Pocatello, in the county of Bannock and State of Idaho, have invented a new and Improved Flag or Signal, of which the following is a full, clear, and exact description.

This invention relates to flags or signals such as are used on railways.

The object of the invention is to produce a flag having a pole or staff within which the curtain or body of the flag may be received when the signal is not being displayed, and further, to provide a simple construction enabling the flag to be extended or withdrawn from view.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, in which—

Figure 1 shows the pole or shaft of the device substantially in longitudinal section, the flag or curtain being represented as broken away; Fig. 2 is a cross section on the line 2—2 of Fig. 1, upon an enlarged scale; and Fig. 3 is a cross section on the line 3—3 of Fig. 1, also upon an enlarged scale, showing the curtain wrapped upon the spindle or staff.

Referring more particularly to the parts, 1 represents the pole or flag-staff. This pole is provided with a centrally-disposed bore 2, the outer portion of which is lined with a sheath or sleeve 3 of sheet metal or similar material. The bore at the end of the pole or staff is closed by a plug or cap 4, as shown. The inner portion of the pole or staff is provided with a reduced bore 5, which is a continuation of the bore 2. The upper side of the staff at this point is provided with a longitudinal slot 6, which passes through to the bore 5, as shown in Fig. 2.

Rotatably mounted in the staff, there is provided a spindle 7, the body of which is in the form of a stick or small staff mounted centrally in the bore 2. In order to support this spindle, the outer end thereof is formed into a gudgeon 8, which is rotatably mounted in the cap 4. In the inner end of the stick 7 a neck 9 is attached, the said neck being

formed preferably of two wires twisted together as shown. One of the wires forming the neck 9 has its end rotatably mounted in a socket 10, formed at the inner end of the bore 5, as indicated. Within the bore 5, I provide a nut 11, which has two oppositely-disposed communicating openings 12, which receive the wires of the neck 9. This nut is provided with a button 13, having an enlarged head and a reduced shank 14, which shank passes through the slot 6, as shown in Fig. 2. The head 13 is of lozenge shape, and it is recessed into the outer surface of the staff; that is, the staff is provided with a longitudinal groove or channel 15, which fits the under side of the button as indicated.

As indicated in Fig. 3, the bore 2, with its sheath 3, forms a barrel in which the flag proper, or curtain 16, is received, the said flag being wrapped upon the stick 7, to which it is attached by staples or similar fastening devices 17. This barrel is provided with a longitudinal slit 18, which is lined by extensions or lips 19, formed on the sleeve 2. This slit 18 is disposed slightly to one side from the axis of the staff, as shown in Fig. 3. Through the slit the flag 16 extends.

From this construction, it will be evident that if the nut 11 is slid longitudinally of the staff, it will operate to rotate the neck 9, and the stick 7, which is rigid therewith. In this way, the curtain 16 may be drawn into the barrel, or it may be extended from the barrel, as indicated in Fig. 1. The barrel evidently constitutes a protection for the curtain or flag 16 so that it will not become soiled quickly, and in this way it will preserve its original color.

It will be evident that different spindles, carrying flags of different colors may be used with one staff, and they may be readily substituted for each other; or, on the other hand, it will be readily observed that worn out flags may be replaced by simply removing the spindle, cap and staples.

The neck constitutes a rudimentary screw of high pitch, which can be readily formed without special tools, but it operates effectively to rotate the stick when the nut is moved. The slit 18 is quite narrow, so that the lips 19 lie very near each other and exert a small degree of tension on the flag or curtain 16 as it is being extended or rolled up. This is very desirable, as it tends to keep

the coils of the flag on the stick substantially tight.

Attention is called to the fact that the outer side of the button 13 is rounded in such a way that it constitutes a substantial continuation of the curved surface of the staff, as indicated in Fig. 2. In this way the button does not project to any great extent beyond the staff, and hence it is not likely to be in the way.

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

1. A flag or signal, having a staff with a bore therein, a spindle rotatably mounted in said bore, a curtain attached to said spindle, said staff having a slit through which said curtain may be extended, said spindle having a neck in the form of a rudimentary screw, a nut receiving said neck and means for guiding said nut to slide longitudinally of said staff to rotate said spindle.

2. A flag or signal, having a staff with a longitudinal bore therein, a spindle rotatably mounted within said bore, having a neck forming a rudimentary screw, said staff

having a slot opposite said neck, a nut engaging said rudimentary screw, a button having a shank passing through said slot and engaging said nut, said button having an enlarged head, said staff having a groove receiving said head, and a curtain attached to said spindle, said staff having a slit through which said curtain may be extended.

3. A flag or signal, having a staff with a bore therein, a sleeve of sheet metal forming a lining for said bore, said staff having a longitudinal slit therein, said sleeve having lips extending into said slit, and a curtain mounted within said bore and adapted to be extended through said slit, said lips being disposed close together, whereby tension is exerted on said curtain, in being extended or in being withdrawn.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE W. DALLIMORE.

Witnesses:

R. F. MILLER,
W. W. WOOLARD.