

No. 766,936.

PATENTED AUG. 9, 1904.

W. H. DE ROSEAU.
CHALK LINE REEL.

APPLICATION FILED MAR. 23, 1904.

NO MODEL.

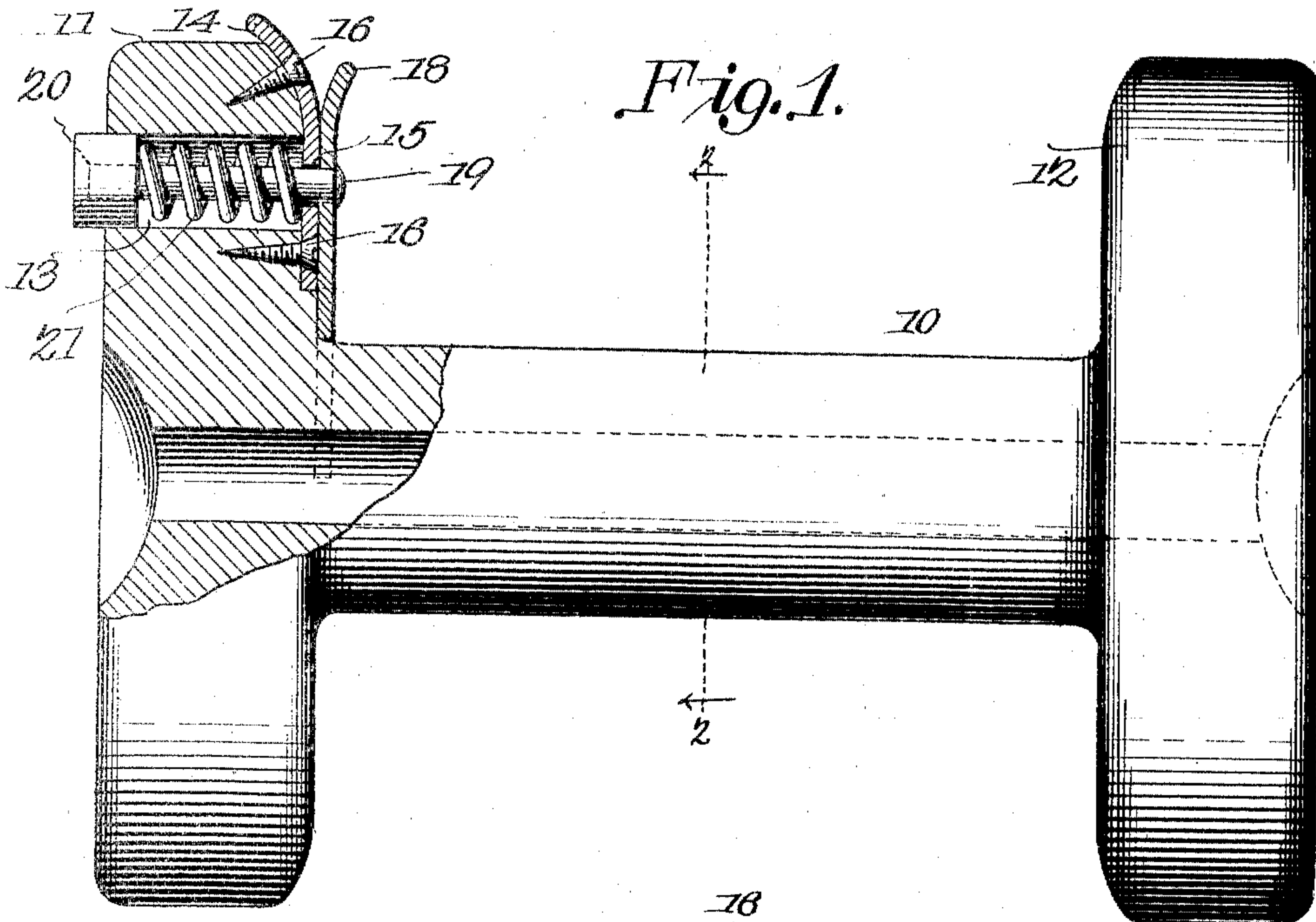
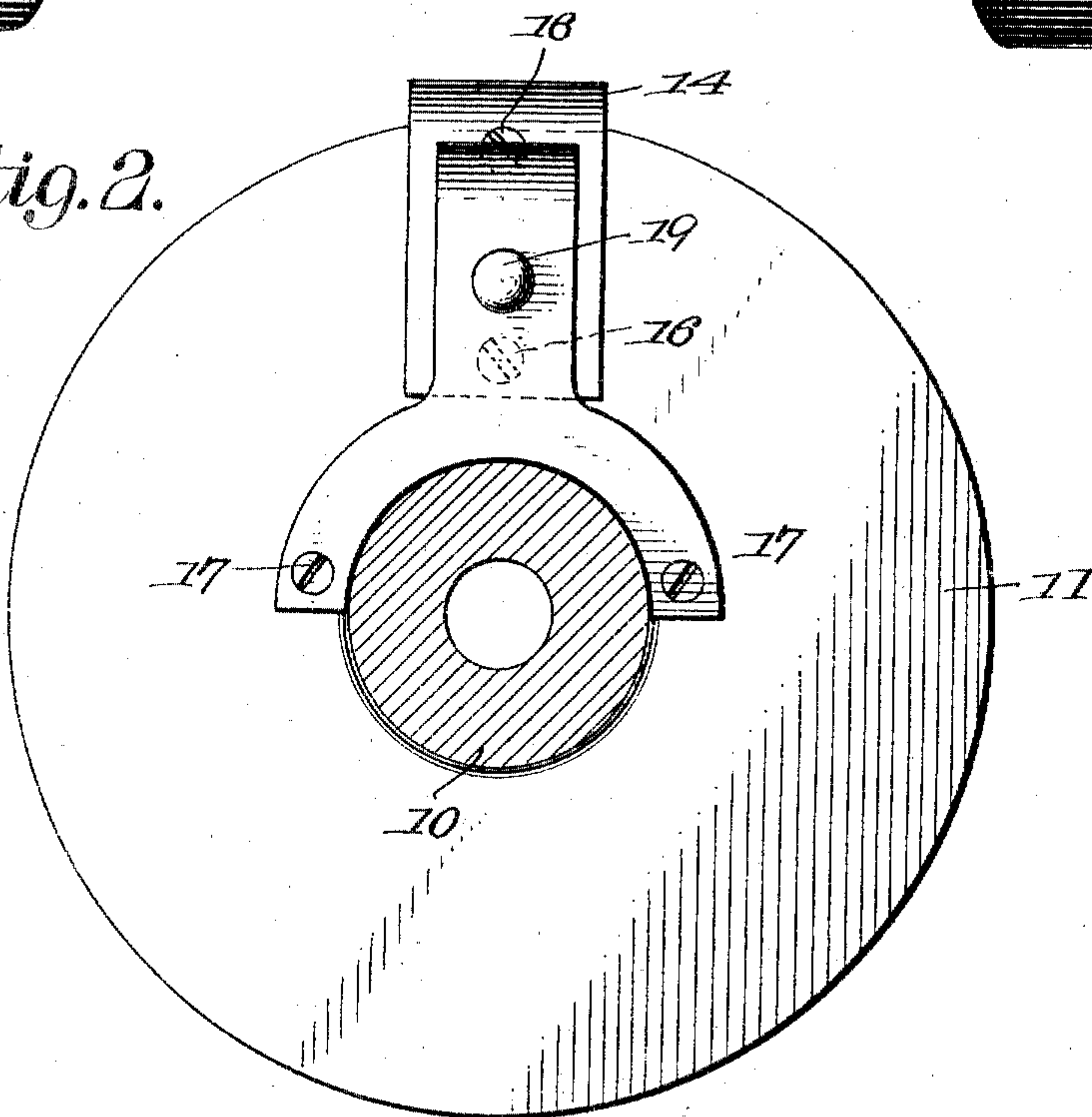


Fig. 2.



Witnesses
E. H. Stewart
C. H. Woodward

William H. DeRoseau, Inventor.
by *C. H. Snow & Co*
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM H. DE ROSEAU, OF WHITEOAKS, TERRITORY OF NEW MEXICO.

CHALK-LINE REEL.

SPECIFICATION forming part of Letters Patent No. 766,936, dated August 9, 1904.

Application filed March 23, 1904. Serial No. 199,610. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. DE ROSEAU, a citizen of the United States, residing at Whiteoaks, in the county of Lincoln and Territory of New Mexico, have invented a new and useful Chalk-Line Reel, of which the following is a specification.

This invention relates to reels for holding chalk-lines and for similar purposes, and has for its object to provide a simply-constructed and easily-applied device for attachment to the reel, whereby the line may be held at any desired point from further winding or unwinding.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages, and the right is therefore reserved of making all the changes and modifications which fairly fall within the scope of the invention and the claims made therefor.

In the drawings thus employed, Figure 1 is a longitudinal elevation partially in section, and Fig. 2 is a transverse section on the line 2 2 of Fig. 1.

The improved device herein disclosed may be attached to any size or form of reel upon which chalk-lines or lines employed for analogous purposes are wound, but will generally be employed upon reels employed for holding chalk-lines or lines employed by mechanics for holding gage-lines, plumb-lines, and the like, and for the purpose of illustration is shown applied to a conventional form of chalk-line reel comprising a drum 10, having the

usual laterally-extending end flanges 11 12, with a transverse recess 13 in one of the flanges.

The improved attachment consists of a bearing-plate 14 for connection to the flange having the recess 13 and provided with an aperture 15, communicating with the recess and secured in position, as by screws 16.

Attached to the reel-flange having the recess, as by screws 17, and extending over the plate 14 and bearing against the same is a resilient plate 18. The plate 14 curves outwardly in conformity to the outward curve of the inner face of the flange to which it is attached, and the free edge of the plate 18 is reversely curved to coact with the curve of the plate 14 to form a diverging inlet to the space between the plates to facilitate the entrance of the line therein, as hereinafter more fully described.

Attached to the plate 18 and extending through the aperture 15 in the plate 14 into the recess 13 is a stud 19, having on its free end a stop-button 20 and with a spring 21 between the button and the inner face of the plate 14 and bearing against the same. By this simple means it will be obvious that the plate 18 will be held against the plate 14 with a force corresponding to the strength of the spring 21 in addition to the resilience of the plate 18.

By means of this attachment the line may be forced between the plates 14 18, and thereby held with sufficient force to prevent accidental displacement while in use, while at the same time readily detachable when required. The line may be held at any desired point, either at the free end when the line is entirely wound upon the reel, as when not in use, or at any intermediate point after the requisite length of line has been unreeled.

The button 20 extends in advance of the outer face of the flange 11, against which the finger or thumb of the operator may bear to release the pressure of the plate 18 from the plate 14, if required.

The device will be a very convenient and useful adjunct to chalk-line and similar reels, as will be at once apparent to those employing such devices, and may be manufactured

and applied at a slight additional expense over the ordinary reels.

Having thus described the invention, what is claimed is—

5 1. A reel comprising a drum having an annular flange which is pierced by a transverse opening, and a line-holder including a spring-pressed substantially radial member at the inner face of the flange and provided with a
10 push-pin working in said opening and projected at the outer end thereof for access to permit of the member being pushed away from the flange, the outer free end of said member being flared away from the flange to form a
15 guide for entering a line between the member and the flange.

2. A reel of the class described comprising a drum having an annular flange which is pierced by a transverse opening, and a spring-
20 pressed line-holder having a bifurcated inner end straddling the drum and connected to the flange, the outer free end of the holder being flared away from the flange to form a guide for entering a line between the holder and the
25 flange, the intermediate portion of the holder having a push-pin working in the opening in

the flange and projected at the outer end of the opening into position for access thereto.

3. A reel of the class described comprising a drum having an annular flange which is
30 pierced by a transverse opening, a face-plate secured to the inner face of the flange across the opening and provided with a perforation registered with and smaller than said opening, a line-holder movably mounted at the inner
35 face of the flange and provided with a push-pin working in the opening and having an outer terminal enlargement projected at the outer open end of the opening, and a helical spring embracing the pin and bearing in op-
40 posite directions against the enlarged outer end thereof and the face-plate, the outer free end of the holder being flared away from the flange to form a guide for engaging a line be-
45 tween the holder and the flange.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM H. DE ROSEAU.

Witnesses:

FRANK J. SAGER,

EUGENE L. STEWART.