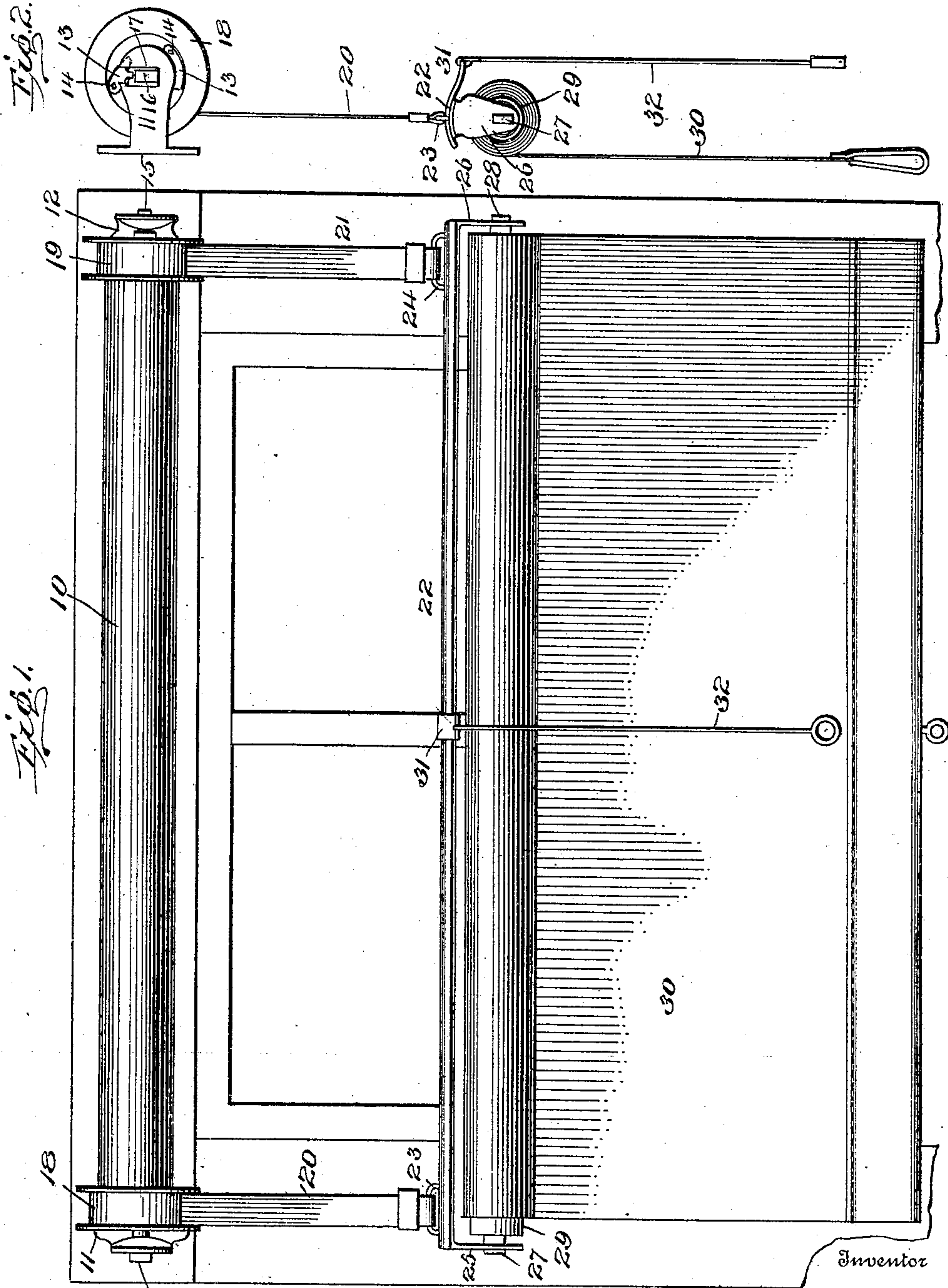


E. F. CLEARY.
WINDOW SHADE.

APPLICATION FILED APR. 27, 1907.

907,460.

Patented Dec. 22, 1908.



Witnesses
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UNITED STATES PATENT OFFICE.

EUGENE F. CLEARY, OF SCRANTON, PENNSYLVANIA.

WINDOW-SHADE.

No. 907,460.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed April 27, 1907. Serial No. 370,711.

To all whom it may concern:

Be it known that I, EUGENE F. CLEARY, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Window-Shades; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to window shades, and has for an object to provide a roller embodying improved means whereby the shade may be adjusted at a desired height relative either to the top or bottom of the shade.

A further object of the invention is to provide in a window shade a roller of substantially the ordinary type, carrying the shade and with an auxiliary roller adapted to hold the ordinary roller at a desired height and to permit the operation of the shade when so held.

With these and other objects in view, the invention comprises certain novel constructions, combinations and arrangements of parts as will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is a view in front elevation of the improved shade roller. Fig. 2 is a view in edge elevation of the improved shade roller as seen along arrow 2 of Fig. 1.

Like characters of reference designate corresponding parts throughout the several views.

The improved shade roller forming the subject-matter of this application comprises a roller 10 mounted upon the usual and ordinary brackets 11 and 12, and provided with substantially the usual and ordinary ratchet detents 13 pivoted as at 14. The roller 10 is mounted upon the usual trunnion 15 and the usual angular spindle 16 is provided engaging the slot 17 in the bracket 11.

At or adjacent the opposite ends of the roller 10 spools or drums 18 and 19 are provided within which are wound ribbons 20 and 21, respectively, normally depending below the roller 10.

Below the roller 10 a bar 22 is secured at its opposite ends to the ribbons 20 and 21 as by means of the loops 23 and 24, said bar 22

being preferably curved transversely as shown particularly in Fig. 2. The opposite ends of the bar 22, as at 25 and 26, are bent downwardly and form brackets for holding, respectively, the angular spindle 27 and the trunnion 28 upon which operates the roller 29. Upon the roller 29 is wound the usual shade 30, the same being wound upon the roller by the usual and ordinary spring action. At any approved point along the bar 22 an ear 31 is secured from which depends a cord, wire, chain or other means, as 32, by means of which the bar 22 is raised and lowered as the ribbons 20 and 21 are wound upon the drums 18 and 19, by the spring action of the roller 10. It will thus be seen that by grasping the cord 32 the roller 29 and consequently the top of the shade 30 may be adjusted to any desired line relative to the top of the window. The spring of the roller 10 is intended to be under greater tension than the spring in the roller 29 so that when the roller 29 is positioned at any desired point by the movement of the bar 22, the shade 30 may, therefore, be manipulated in the usual and ordinary manner.

It will be observed from the drawings that the shade curtain and its bracket is raised and lowered through the medium of the cord 32 and that this cord is connected to the said bracket at a point exactly midway between the ends of the said bracket, the result being that an even pull is exerted upon the bracket and the employment of more than one cord is avoided.

What I claim is:—

In a window shade, a spring roller, a bracket comprised of a bar having bracket ends, ribbons attached to the bar one at each end thereof, the said ribbons being secured to and adapted to be wound upon the said spring roller at each end thereof, a shade curtain roller supported in the bracket and between the bent ends thereof, a tongue secured to the said bracket at a point midway of the ends of the same, and a depending cord connected to the tongue.

In testimony whereof I affix my signature in presence of two witnesses.

EUGENE F. CLEARY.

Witnesses:

W. W. BAYLOR,
J. M. SHEFFIELD.