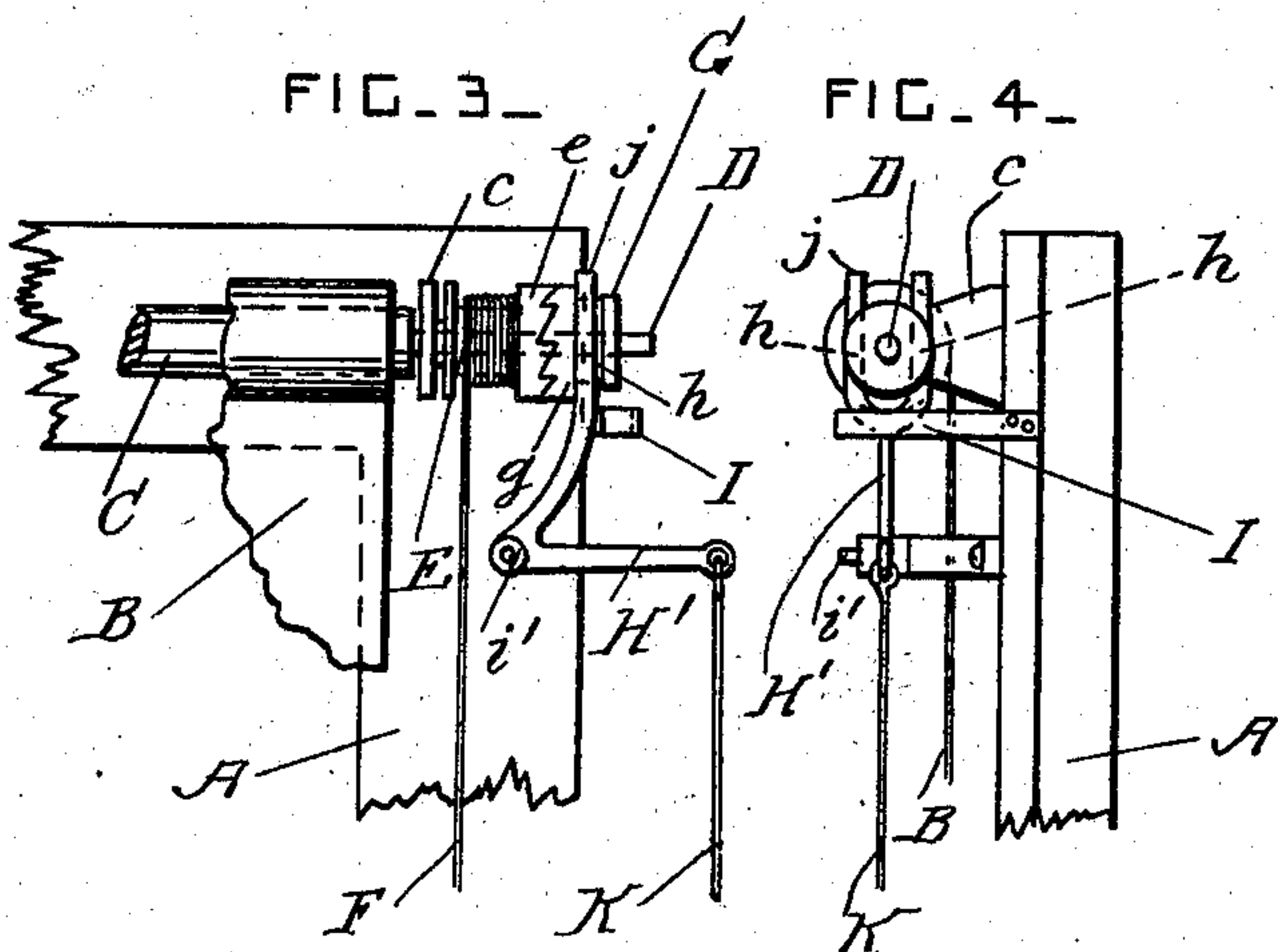
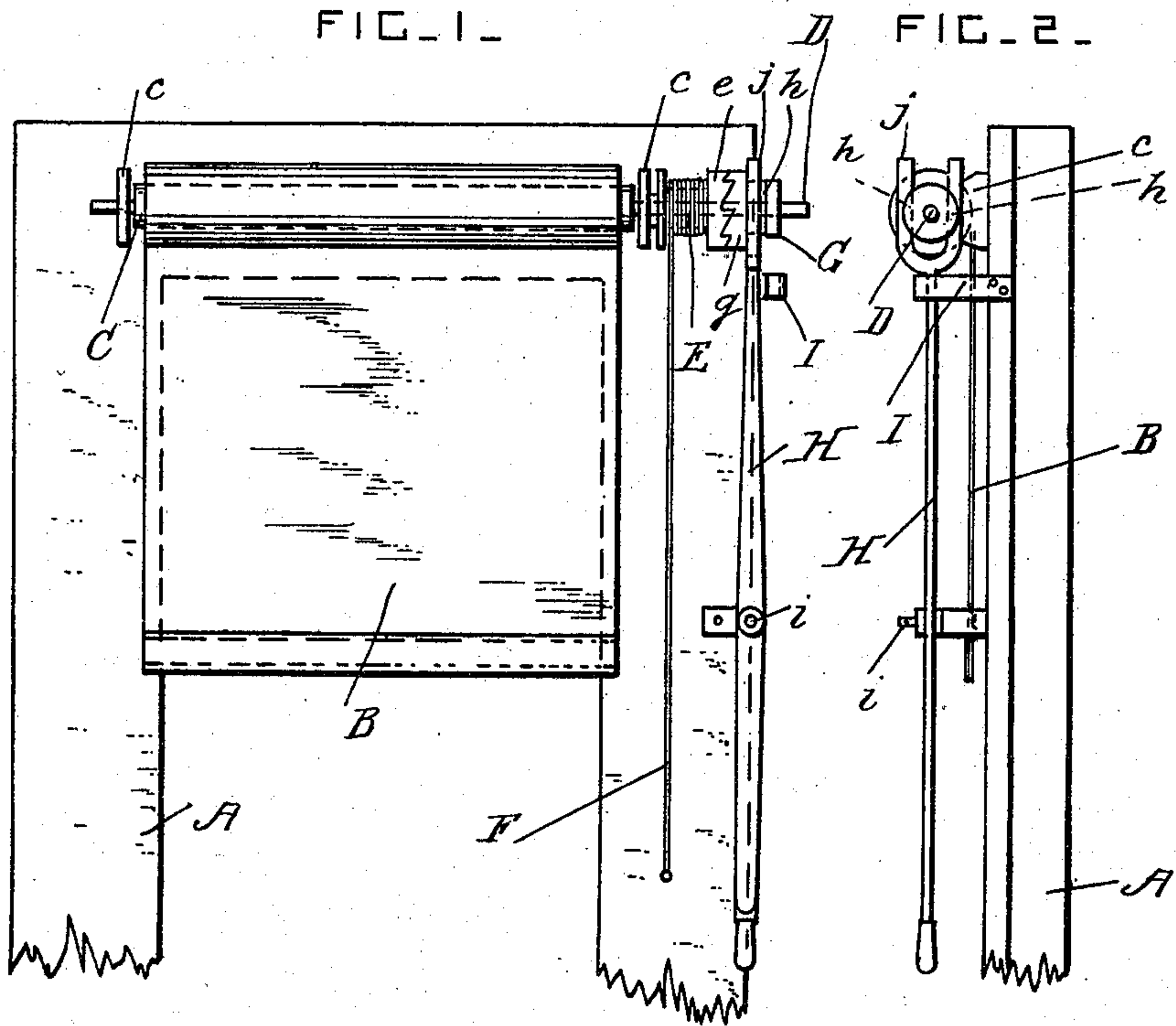


No. 858,417.

PATENTED JULY 2, 1907.

E. G. REYNOLDS.  
WINDOW SHADE.

APPLICATION FILED NOV. 7, 1906.



WITNESSES:

*S. E. Tomlinson*  
*Jacob Schaefer*

BY

INVENTOR

*Edward G. Reynolds.*

*Herbert W. Jenner.*  
Attorney

# UNITED STATES PATENT OFFICE.

EDWARD G. REYNOLDS, OF WAPANUCKA, INDIAN TERRITORY, ASSIGNOR OF ONE-THIRD TO ROBERT L. BRITT AND ONE-THIRD TO WILLIAM S. WYRICK, OF WAPANUCKA, INDIAN TERRITORY.

## WINDOW-SHADE.

No. 858,417.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed November 7, 1906. Serial No. 342,405.

*To all whom it may concern:*

Be it known that I, EDWARD G. REYNOLDS, a citizen of the United States, residing at Wapanucka, Indian Territory, 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 shades for windows and other similar places; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed whereby the shade is raised and lowered.

In the drawings, Figure 1 is a front view of a window shade constructed according to this invention. Fig. 2 is an end view of the same. Fig. 3 is a front view showing a modification. Fig. 4 is an end view of the shade shown in Fig. 3.

A is a portion of a window frame of any approved construction, and B is a window shade wound upon a roller C. The roller C is journaled in brackets *c* secured to the window frame, and is provided with a projecting shaft D at one end.

E is a barrel secured on the shaft D and provided with a clutch member *e* having ratchet-shaped teeth.

F is a winding cord, or other similar flexible connection, which is wound upon the said barrel.

G is a disk which is mounted loosely on the shaft D, and provided with a clutch member *g* having ratchet-shaped teeth which engage with the teeth of the clutch member *e*. The disk G is provided with two external grooves *h*, and H is a lever provided with a forked end portion *j* which engages with the said grooves so that the disk cannot revolve but is free to slide on the shaft. The two grooves *h* have flat bottoms and are arranged parallel with each other and upon diametrically opposite sides of the disk.

I is a spring secured to the frame and bearing against the forked end portion of the lever so as to normally hold the two clutch members in engagement with each other.

In the form of the device shown in Figs. 1 and 2, the

lever H is a straight lever which is pivoted at about the middle of its length to a pin *i* which projects from the window frame. In the form of the device shown in Figs. 3 and 4, the lever H' is a bell-crank lever which is pivoted on a pin *i'* which projects from the frame. This lever H' is provided with a cord K or other convenient operating device. The shade is raised by pulling the cord F so as to revolve the barrel and shade roller. The clutch member *g* is forced backward by the ratchet-shaped teeth of the clutch member *e* as the shade is raised, and the clutch member *g* holds the shade in any position in which it is placed. When the shade is to be lowered, the clutch member *g* is retracted by means of the lever so as to permit the shade to be unwound from its roller to any desired extent. Either form of lever hereinbefore described may be used in carrying out this invention.

What I claim is:

1. The combination, with a revoluble shade roller provided with a projecting shaft at one end, of a winding barrel secured on the said shaft and provided with a clutch member having ratchet-shaped teeth, a disk mounted loosely on the said shaft and also provided with a clutch member having ratchet-shaped teeth and a flat-bottomed groove upon one side, a pivoted operating lever for sliding the said disk on the said shaft connected with the said groove of the said disk so as to prevent it from revolving, and a spring which normally holds the said clutch members in engagement.

2. The combination, with a revoluble shade roller provided with a projecting shaft at one end, of a winding barrel secured on the said shaft and provided with a clutch member having ratchet-shaped teeth, a disk slidable longitudinally on the said shaft and provided with two parallel flat-bottomed grooves in its sides and having also a clutch member which engages with the aforesaid clutch member, a pivoted operating lever provided with a forked end portion which engages with the said grooves and prevents the said disk from revolving, and a spring which normally holds the said clutch members in engagement.

In testimony whereof I have affixed my signature in the presence of two witnesses.

his  
EDWARD G. × REYNOLDS.  
mark

Witnesses:

A. J. ADDINGTON,  
M. V. WYRICK.