

Oct. 21, 1941.

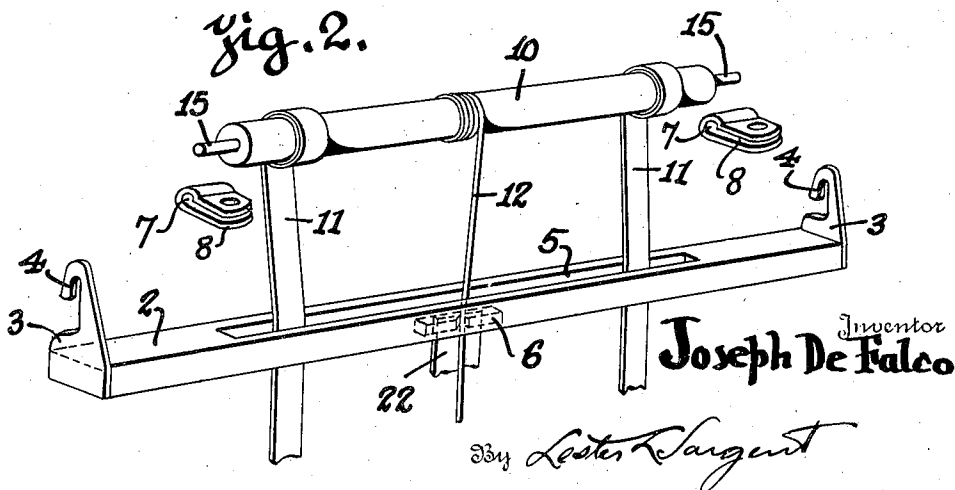
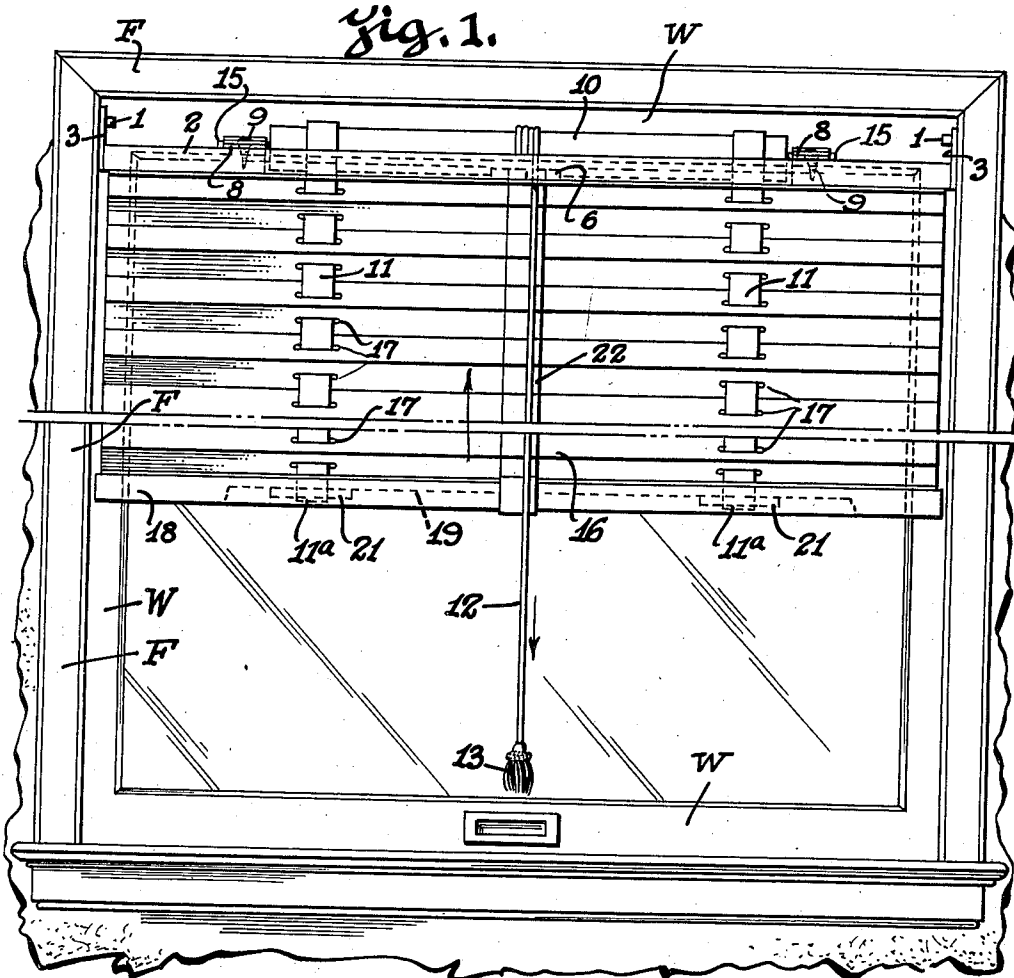
J. DE FALCO

2,260,101

MODERNISTIC SHADE

Filed Feb. 21, 1941

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

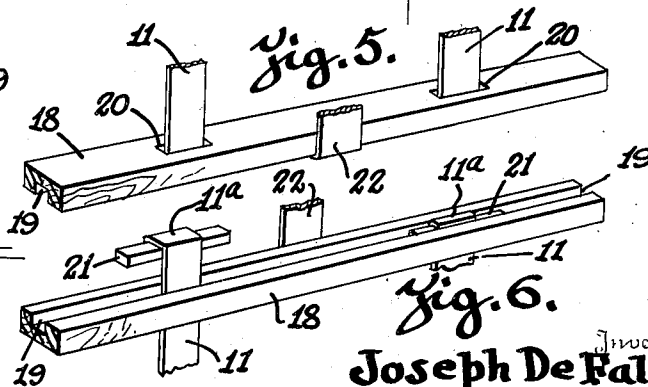
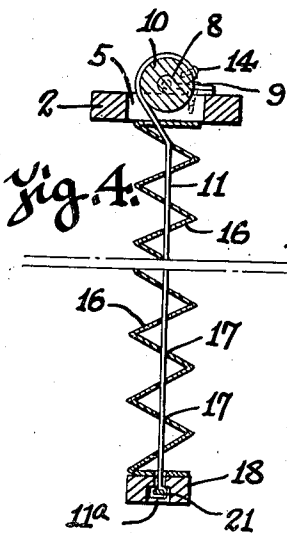
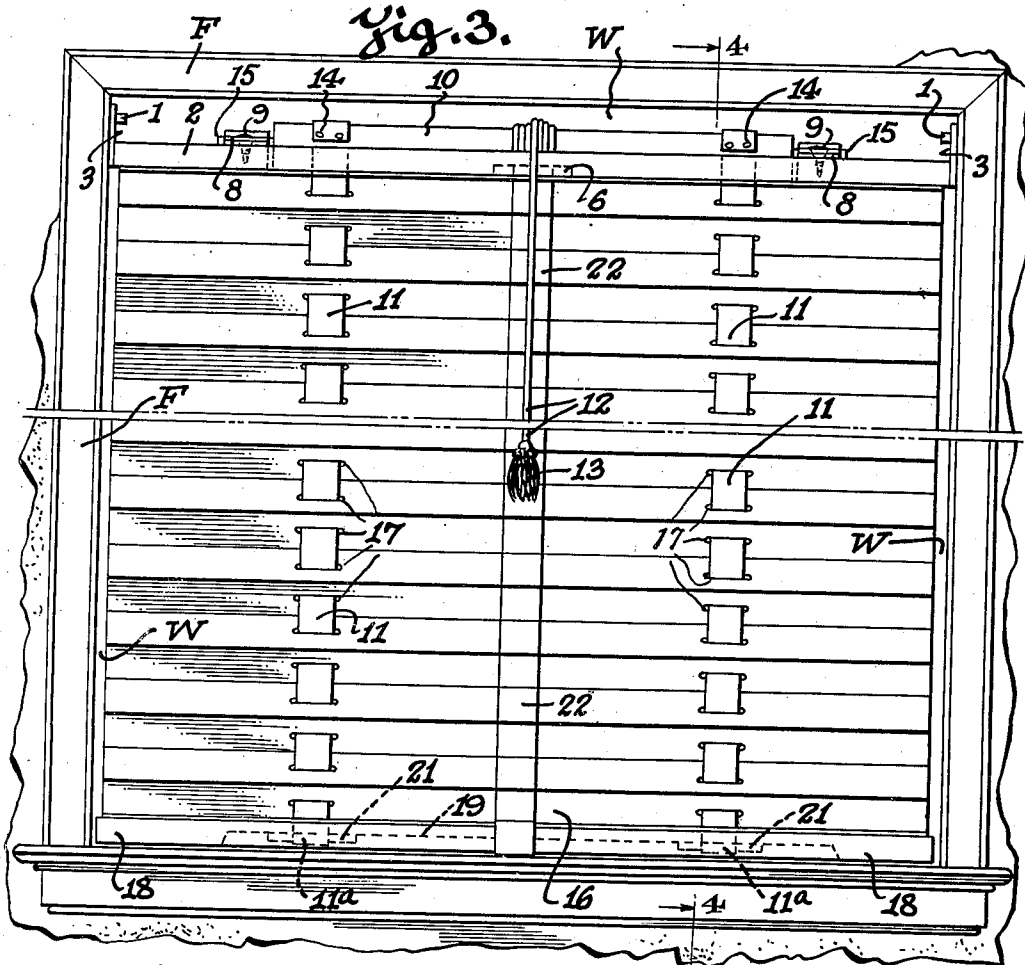


Fig. 6.
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UNITED STATES PATENT OFFICE

2,260,101

MODERNISTIC SHADE

Joseph De Falco, Vineland, N. J.

Application February 21, 1941, Serial No. 380,060

7 Claims. (Cl. 156—16)

The object of my invention is to provide a novel type of shade which is attractive in appearance and which has novel means for raising and lowering it.

I attain the objects of my invention by the device illustrated in the accompanying drawings, in which—

Figure 1 is a front plan view of the invention with the shade partially raised, a portion of the window frame and shade being broken away to save space;

Fig. 2 is a detail perspective view of the roller and saddle support in detached position from the window frame;

Fig. 3 is a front plan view of the shade in lowered position in the window frame, a portion of the window frame and shade being broken away to save space;

Fig. 4 is a vertical section on line 4—4 of Fig. 3;

Fig. 5 is a detail perspective view of the bottom piece to which the lower ends of the tapes are operatively connected and to which the bottom portion of the shade is fastened; and,

Fig. 6 is a view of the bottom piece 18 in inverted position to show how the anchor strips 21 is mounted in it.

Like characters of reference indicate like parts in each of the several views.

Referring to the accompanying drawings, F indicates a window frame in which is mounted a conventional window W. Attached to the upper portion of the window frame F are opposite pins 1 to which are detachably secured suitable metal brackets 3, which preferably are hook-shaped or may be provided with a slot 4. Attached to the lower ends of bracket 3 is a saddle 2 having a longitudinal slot 5. Also attached to the saddle 2 is a recessed guide 6 for guiding the pull cord 12, which is attached to a roller 10, to which there are also attached two tapes 11, the lower ends 11a of which are adjustably secured to anchor strips 21, as shown in Figs. 1 and 4. Suitable brackets 8 are secured to the saddle 2 by means such as screws 9 and have apertures 7 to receive the pintles 15, which are the axis members for roller 10.

A pull cord 12 is provided with a suitable pull member such as tassel 13. Tapes 11 are substantially secured to roller 10 by suitable fastening means such as tacks 14. A flexible or plaited shade is attached at the upper end to saddle 2 and at the lower end to bottom piece 18. The plaited shade 16 has a series of slots 17 in its folds, the slots being of suitable size to permit

of free movement of the tapes 11 which run through the slots.

Bottom piece 18, as shown in Fig. 5 has a longitudinal channel 19, as shown in the inverted view, Fig. 6, to receive the anchor strips or pins 21 to which the lower ends 11a of tapes 11 are secured. Bottom piece 18 also has slots 20 through which the tapes 11 pass, as shown in Fig. 5. The center tape 22 is secured at its upper end to saddle 2 and at its lower end to bottom piece 18.

In operation, to raise the shade, the pull cord 12 is pulled which unrolls the pull cord from roller 10, and as the roller is rotated, it winds up tapes 11 and thereby lifts the bottom piece 18 and causes the shade to fold up compactly with the folds supported by bottom piece 18.

The anchor pins 21 can be used to adjust the length of the tapes 11 in two ways. They can be either lengthened or shortened by rolling the tape around the pins or unrolling it from the pins and reinserting them in the channel 19 of bottom piece 18.

The hook-shaped bracket 3 which seat on the square pins 1, facilitate the hanging of the shade on the window frame.

What I claim is:

1. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece of a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, and a bottom piece to which the lower end of the plaited shade is attached and to which the tapes are operatively engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade.

2. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, hook-shaped brackets mounting the saddle on a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, and a bottom piece to which the lower ends of the plaited shade is attached and to which the tapes are operatively engaged, whereby a pull on the

pull cord will operate the roller and wind the tapes and raise the shade.

3. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece on a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, a bottom piece to which the lower end of the plaited shade is attached and to which the tapes are operatively engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade, the said tapes being secured at their upper ends to the saddle and at their lower ends to the bottom piece.

4. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece on a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, a bottom piece to which the lower end of the plaited shade is attached and to which the tapes are operatively engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade, the bottom piece having a longitudinal channel, and anchor pins seating in said channel and to which the lower ends of the aforesaid tapes are secured.

5. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece on a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, a bottom piece to which the lower end of the plaited shade is at-

tached and to which the tapes are operatively engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade, the bottom piece having a longitudinal channel, anchor pins seating in said channel and to which the lower ends of the aforesaid tapes are secured, the said tapes being secured at their upper ends to the saddle and at their lower ends to the bottom piece.

6. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece on a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, and a bottom piece to which the lower end of the plaited shade is attached and to which the tapes are adjustably engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade.

7. A shade of the type described, comprising a plaited shade having a series of slots in each of the folds, tapes loosely passing through said slots, a roller to which the upper ends of the tapes are secured, the tapes being windable on the roller, a saddle piece on which said roller is rotatably supported, means for mounting the saddle piece on a window frame, a pull cord secured to the roller and windable on the roller in a direction reverse to that of the tapes, a bottom piece to which the lower end of the plaited shade is attached and to which the tapes are operatively engaged, whereby a pull on the pull cord will operate the roller and wind the tapes and raise the shade, the bottom piece having a longitudinal channel, and anchor pins seating in said channel and to which the lower ends of the aforesaid tapes are secured, said anchor pins being square in cross section and removably seated in the aforesaid channel, whereby they may be removed and the tape wound or unwound on said pins to shorten or lengthen the shade.

JOSEPH DE FALCO.