

No. 648,004.

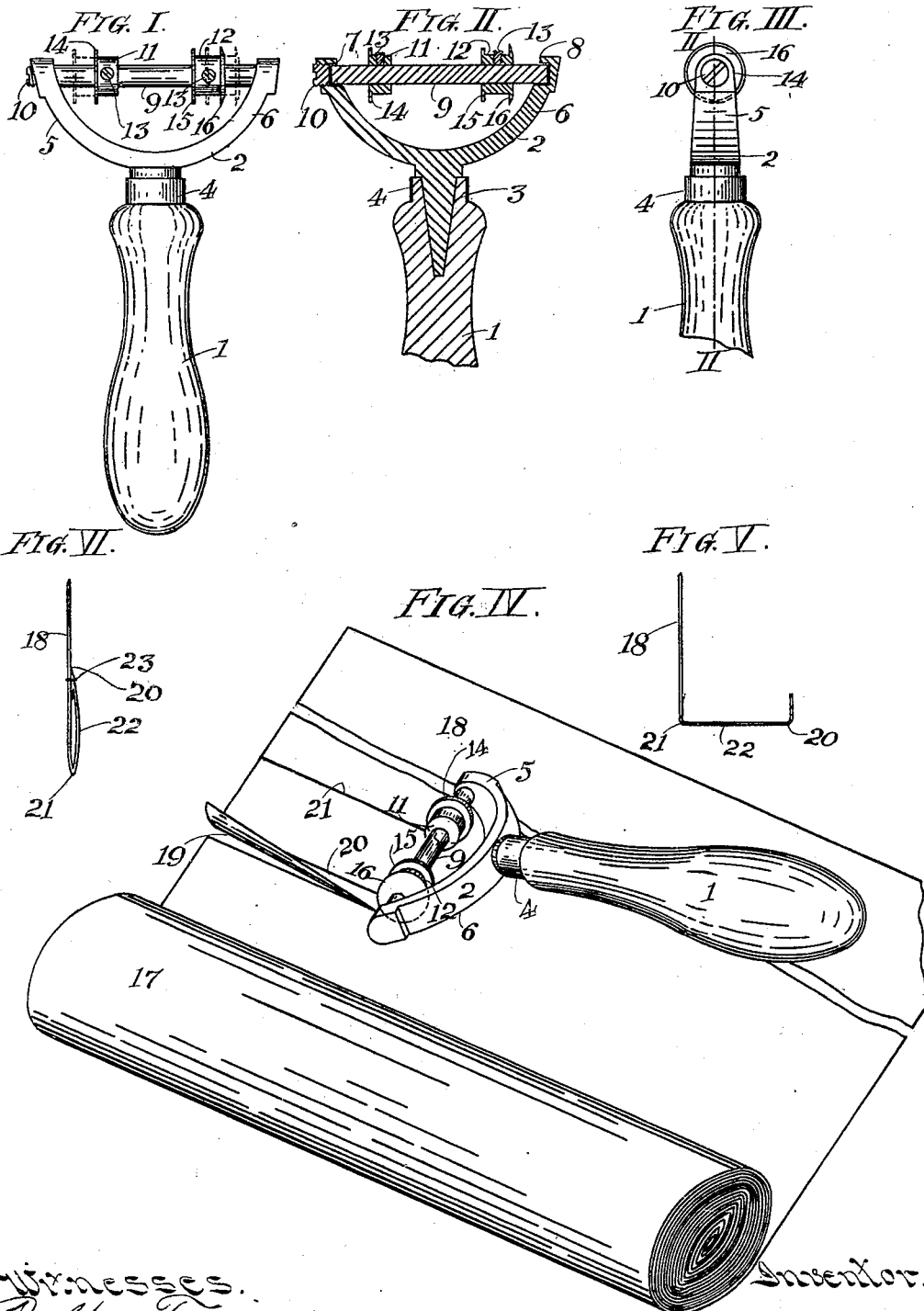
Patented Apr. 24, 1900.

W. T. VAN DER CAR.

WINDOW SHADE CUTTER AND CREASER.

(Application filed Nov. 15, 1899.)

(No Model.)



Witnesses.
Robt. Train.
J. A. Roslofer.

Inventor.
W. T. Van Dercar.
by *[Signature]* Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM T. VAN DER CAR, OF PASADENA, CALIFORNIA.

WINDOW-SHADE CUTTER AND CREASER.

SPECIFICATION forming part of Letters Patent No. 648,004, dated April 24, 1900.

Application filed November 15, 1899. Serial No. 737,099. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. VAN DER CAR, a citizen of the United States, with residence at Pasadena, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Window-Shade Cutters and Creasers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved tool or device for severing or cutting window-shade fabric and simultaneously forming the creases where the folds are to be made on the lower end of the shade for forming the pocket in which the curtain-stick is inserted; and my invention consists in certain features of novelty hereinafter described and claimed.

Figure I represents a side elevation of my improved device. Fig. II is a longitudinal section taken on line II II, Fig. III. Fig. III is a detail edge view. Fig. IV is a perspective showing the manner of operating the device. Fig. V is an edge view of the window-shade, showing the same partly folded. Fig. VI is an edge view of the lower end of the shade, showing the same folded on the line of the creases made by the tool, with pocket formed therein for the shade-stick.

Referring to the drawings, 1 represents the handle of the tool, made of any suitable material, and 2 the yoke, having a shank 3, which extends into the handle 1.

4 represents a ferrule which reinforces the handle at the point of connection to the yoke 2.

5 6 represent the respective arms of the yoke 2, said arms being provided with sockets 7 8, in which is journaled a shaft 9. The socket 7 in the arm 5 extends entirely through said arm, the socket 8 in the arm 6 being in the form of a recess against which the inner end of the shaft abuts. After the shaft 9 has been inserted in the sockets 7 8 it is held in position by a screw-plug 10 in the arm 5, which may be adjusted so as to give the shaft 9 the proper amount of play.

11 12 represent collars adjustably secured to the shaft 9 by means of set-screws 13. The collar 11 is provided on one of its ends with

an annular creasing-flange 14 of greater diameter than the body of the collar. The collar 12 is provided with an annular creasing-flange 15, located on its inner end, said flange being of the same diameter as the flange 14. The collar 12 is also provided on its opposite end with a cutting-wheel 16 for severing the shade fabric. The collars are made adjustable upon the shaft, so as to cut and crease the shade fabric of greater or less width, according to the size of the shade. By removing the screw-plug 10 the shaft 9, with the collars, is readily removable in case it is desired to sharpen the cutting-wheel 16 or renew any of the parts connected with the shaft.

In the operation of my tool the roll-shade material 17 is unrolled to give the desired length of shade, (represented at 18,) the tool then being placed upon the fabric and drawn across the same, as shown in Fig. IV, the cutting-wheel 16 severing the desired shade from the body of the roll, as shown at 19. At the same time the creasing-flanges 14 15 form the creases 20 21 near the lower end of the portion 18 that is to form the shade. After the tool has been drawn entirely across the fabric, the shade being severed from the roll, then the bottom of the shade is bent on the line 20 21, as shown in Fig. V, and still further bent, as shown in Fig. VI, forming a pocket 22 for the reception of the shade-stick, the end of the shade being stitched to the body of the same, as shown at 23, in the ordinary manner.

I claim as my invention—

In a device for cutting and creasing shades, the combination of the handle, a yoke secured to the handle, sockets formed in the arms of the yoke, a shaft journaled in said sockets, a removable screw-plug secured to one of the arms by the removal of which the shaft may be removed from its sockets, collars adjustably mounted upon the shaft, said collars bearing a cutting-wheel and creasing-flanges of greater diameter than the body of the collars, substantially as set forth.

WILLIAM T. VAN DER CAR.

Witnesses:

J. W. KEMP,
JAS. E. KNIGHT.