To all whom it may concern:

Be it known that I, GEORGE BERZIEK, a subject of the King of Hungary, residing at Daisytown, in the county of Washington 5 and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Window-Shade Supports, of which the following is a specification.

This invention relates to window shade supports such as are used in supporting the usual shade rollers, the invention having more particular reference to a support having an adjustable linear or projection to receive the trunnion of the shade roller, whereby the shades of slightly varying width may be supported.

The invention has for an object to provide a simple support of this sort provided with means for facilitating adjustment of the said trunnion-receiving projection.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings.

and to the appended claims in which the various novel features of the invention are more particularly set forth.

Fig. 1 of the drawing is a face view showing a shade mounted on a window frame by means of my improved supports.

Fig. 2 is a detail face view of one of the supports.

Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a longitudinal sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is a like view taken on the line 5—5 of Fig. 3.

In the drawing the reference numeral 10 indicates the usual frame of a window. To support the window shade a pair of brackets are provided, one at each side of the window, as will be understood. Since these brackets are of like construction one will be described. The bracket comprises a base in the form of an elongated rectangular plate 12 that fits against the window frame with its main length horizontally extended, and which is formed with a number of apertures 13 to receive screws whereby it is fixed to the window frame. Formed integral with this bracket, and extending from end to end thereof, is a housing element 15 that is projected from the front face of the bracket, this housing element being formed with a slot 16 extending the length thereof on its lower side to accommodate the adjustable trunnion-receiving element.

Extending longitudinally through this housing 15, and supported at its end in the end walls of the housing, is a screw shaft 18 that has one end projected from the housing and provided with an enlarged head 19 for turning purposes. This screw shaft supports the trunnion receiving element 20 which is here shown in the form of an angular bar 21 one arm of which projects downward through the slot 16. In close adjacent to the base of this arm, the other arm 21' is extended horizontally forward, and has its forward end suitably formed to receive the roller trunnion. The arm 21' here shown as formed with upward projections 22 enclosing a slot to receive the flat end of the trunnion, and it will be understood that the other trunnion-receiving element will be formed with an aperture to receive the round trunnion on the other end of the roller.

The member 21 is preferably engaged 80 with the screw shaft 18 to be adjusted along the support by rotation of the shaft, this screw thread connection between the member 21 and the shaft being preferably displacable to permit of ready adjustment of the member from end to end of the shaft when desired. To this end the member 21 is formed with a semi-circular groove 25 through which the shaft passes freely, while operative engagement of the member with the shaft is effected by a semi-cylindrical nut element 26. This nut element is formed on opposite sides with flat extensions 27 that lie along the bar 21 and have fixed thereto the pins 28 that project into sockets 29 in the bar, these sockets being formed with enlargements 29' in which are located expansion springs 30 that are forced around the pins and bear outward on the nut elements to urge the latter to inoperative position. These nut elements are retained in operative position by a substantially semi-cylindrical member 33 that extends the full length of the housing, within the latter, and pressed against the extensions 27 on the nut element, being retained against vertical displacement, that is transversely to itself by means of the shoulder parts 34 on the said nut elements, which are straddled by the edges of the member 33. These members through the housing 15 are one or more screws 36 that bear on the member 23 and
hold it in position with the nut element engaged with the screw shaft 18, it being understood that these screws do not bind against the member 33 and clamps the latter against the nut element, although they may be caused to do so when it is desired to lock the trunnion-receiving element to the screw shaft. When it is desired to adjust the member 21 from end to end of the shaft, the screws 36 are loosened slightly, and the springs 30 push the nut element 26 out of operative engagement with the shaft 18, permitting the trunnion-receiving member 21 to be moved freely along the shaft.

For ordinary adjustment to accommodate the supports to slight variations in width of shade, the screw shaft is rotated by means of the knob 19.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent of the United States is as follows:

1. A window shade bracket comprising a base, a housing thereon, a screw shaft supported by and in said housing, a trunnion-receiving element supported by said shaft and having a circular groove through which said shaft passes freely, a semi-cylindrical nut member supported by the said trunnion-receiving element and normally operatively engaged with said shaft, resilient means urging said nut member to inoperative position, and a movable channeled element in said housing extending substantially the full length thereof retaining the nut member operatively engaged with the shaft.

2. A window shade bracket comprising a base, a housing thereon, a screw shaft supported by and in said housing, a trunnion-receiving element supported by said shaft and having a circular groove through which said shaft passes freely, a semi-cylindrical nut member supported by said trunnion-receiving element and normally operatively engaged with said shaft, resilient means urging said nut member to inoperative position, and a moveable channeled element in said housing extending substantially the full length thereof retaining the nut member operatively engaged with the shaft, and screws threaded through said housing and engaged with said channeled element to retain the nut member in operative relation to said shaft.

In testimony whereof I have affixed my signature.

GEORGE BERCZIK.