To all whom it may concern:

Be it known that I, John K. Green, a citizen of the United States, and a resident of New York, in the county and State of New York, have invented certain new and useful Improvements in Triple-Anchored Anchor Bolts, set forth in the following specification.

This invention relates to a new anchorage or anchor bolt for use for safety devices for window cleaners, and is of a type to be employed in the new method of applying anchorages for such purpose, as is described in my prior Patent No. 1,283,156, granted October 29, 1918.

The object of the invention is generally to improve an anchorage for direct application to a window frame, and more specifically it is an object to improve the construction of the anchorage in such a manner as to lessen the carpenter work necessary to fit a staff bead in position. It is further the object of the invention to improve the anchorage, so as to embrace a larger number of surfaces of the window frame to which it is to be attached. In one respect, it is the object of the invention to provide for triple anchorage.

The manner in which the objects of my invention are accomplished, will be understood from the illustrative embodiments of my invention, to which the accompanying claims are directed, merely for purposes of illustration. These embodiments are described below in connection with the accompanying drawings which form a part hereof, in which like characters designate corresponding parts in the several figures and in which—

Fig. 1 is a perspective view with parts broken away, showing the application of my anchorage to a window frame;

Fig. 2 is a section shown partly in plane through the median plane of my anchorage; and

Fig. 3 is similar to Fig. 2, but showing a modification.

1 indicates the window frame of usual construction, preferably of mortised wood.

To the side face 2 of this window frame the body portion A of my anchorage B is applied and secured. In its preferred form the body portion A is an elongated flat web portion at the inner end of which is preferably formed a right angle ear 3 to embrace the surface 4 of the window frame 1 and to which it may be attached by a suitable screw 5 passing through a perforation 6 in the ear 3. For some purposes the ear 3 is omitted as illustrated in Fig. 3, and a perforation 60 is provided in the end of the body portion A to accommodate a screw 50 as indicated.

Toward the forward end of the body portion A are preferably provided one or more wing web-portions 7, two being shown so as to give a T-shaped formation. Perforations and screws 8 and 9 provide for the attachment of the wing portions 7 through the frame with the pulley stile 21, making a most secure anchorage.

Mid-positioned on the wing portion 7 is a buttress portion 10 having a vertical flat face 11 adapted to fit against the vertical edge 12 of a staff bead 13. This flat face 11 obviates the necessity of mortising out a pocket in the staff bead to finish off the applied anchorage.

At the outer portion of the buttress portion 10 a right angle web 14 forms an ear to engage the inner surface 15 of the window frame, to which it is preferably secured by a suitable screw 16 passing through a suitable perforation 17 into the portion 15 of frame 1. The buttress portion 10 tapers out into a bolt shank 18 extending out from the web-portions preferably at an obtuse angle, although the angle should accord with each building construction.

Masonry C forms the window pocket into which the window frame 1 is inserted and mounted preferably with the anchorage B already attached to the window frame in the usual manner set forth in my prior patent.

What I claim and desire to secure by United States Letters Patent is:

1. In an anchor bolt for safety window cleaning devices, a flat elongated web portion adapted to lie flat against the inside face of a window frame and to be built over by the masonry; an attaching ear lying at an angle with said web portion and adapted to be secured to the exposed face of said window frame; and a headed bolt-shank; a buttressing base portion extending out jointly from both said attaching ear and said web portion and integral therewith and blending into said headed bolt-shank in exposed position.

2. The anchor bolt as described in claim 1 and further characterized by the fact that said bolt shank has a buttressing base por-
tion provided with a vertical face to fit flush against the vertical outer edge of the staff bead of said window frame.

3. In an anchor bolt for safety window cleaning devices, a flat elongated web portion having a lateral projection near its outer end and adapted to be secured flat against the outer face of a window frame; a headed bolt shank formed at the outer end of said web portion and extending out therefrom; said bolt shank having a buttressing base portion provided with a vertical face to fit flush against the vertical outer edge of the staff-bead of said window frame.

In witness whereof I have signed my name to this specification, this 18th day of February, 1921, at New York, N. Y.

JOHN K. GREEN.