My invention relates to metallic sashes for holding glass, and particularly to corner caps adapted for use with such metallic sashes as are shown in the accompanying application of D. J. Murmane, et al., Serial Number 56,665.

Hitherto it has always been necessary in using metallic sashes around the tops or bottoms of plate glass windows meeting at an angle, to cap the corners of the sash members with rigid angle pieces which have been standardized by the manufacturer to a variety of angles about five degrees apart.

The angle piece nearest in size to the corner to be fitted is chosen, and sometimes a neat close fit results, but more frequently, it does not. It is the broad object of my invention to provide an adjustable device for fitting around the corners made by sash members meeting at an angle, and which automatically adjusts itself to the particular angle involved, requires no skill to apply properly, and which when applied gives a finished and attractive result.

The invention possesses many other objects and features of advantage, some of which, with the foregoing, will be set forth in the following description of the preferred form of my invention which is illustrated in the drawings accompanying and forming part of the specification. It is understood that I do not limit myself to the showing made by the said drawings and description, as I may adopt variations of the preferred form within the scope of my invention as set forth in the claims.

Referring to the drawings:

Figure 1 is a plan view of my corner cap applied to the outside corner of sashes meeting at substantially a right angle. The dotted lines indicate the extent of angular adjustability.

Figure 2 is a perspective view of one of the two members comprising my corner cap; and Figure 3 is a perspective view of the other member.

Figures 4 and 5 are horizontal sectional views respectively of the two members of my corner cap, the planes of section being respectively indicated by the lines 4—4 of Figure 2 and 5—5 of Figure 3.

Figure 6 is a vertical section thru one of the members of my corner cap, the plane of section being indicated by the line 6—6 of Figure 1.

My corner cap comprises two separate pieces as shown in Figures 2 and 3. Each piece comprises a sheet metal sheath formed to lie flat upon the sash members 3, with which it is to be used. In the present instance the formation of the sheath body is indicated in section in Figure 6, and when applied to the sash, the body lies snugly against the sash, and to the observer, the pattern of the sash is unchanged, and the cap is indicated only by the slight extension of its surface above the surface of the sash.

The main or socket section shown in Figure 2 is made up of the elements 4, 5, 6, 7 and 8, and at the corner end, each of the elements of the body offset slightly and is extended as shown, the elements 5 and 8 each extending in an arc which is substantially a quarter circle; that is to say, the element 5 is extended in the portion 9, and the element 8 is extended in the portion 11, and the other portions of the body are similarly extended so that a complete corner is formed. The inside of the corner of the main section provides a socket within which the complementarily formed end of the members of the other section or body shown in Figure 3 may lie, within a wide angular range as indicated in Figure 1. The second section, shown in Figure 3, is made up of similar elements, 12, 13, 14, 15 and 16, and these are extended in curved portions as shown, but without offset. Thus the curved portion 17 of the element 13 fits within the curved corner portion 9, and the curved portion 18 at the end of the element 16, fits within the curved corner portion 13, the intervening portions of the second section fitting within the corresponding complementary portions of the main section. There is of course, a flat shoulder formed where the free edge 21 of one member, overlies the other member, and in order to make a symmetrical appearance, a similar shoulder or offset 22 is formed between the main section elements and their curved extensions.

When the plates of glass 23 are positioned in the sash members 3, the procedure is similar to that heretofore followed, except that the adjacent ends of the horizontal sash members are not fitted closely together, but are left spaced apart as shown in Figure 1. My corner caps are then applied over the corner, and are secured in place by suitable screws 24 passing thru the lower elements of
the bodies into the underlying sash. No adjustment is necessary, the parts taking their proper position within a wide angular range.

Of course the corner caps may be varied in pattern to match the pattern of the sash with which it is used. In Figure 1, I have shown a corner cap for use on the outside corners of sash structures, but it will be understood without special explanation that a similar device may be used for inside corners.

I claim:

1. A corner cap for sash structures comprising sheath members complementary to and overlying the ends of the adjacent sashes, one of said members terminating in a curved socket and the other member terminating in a curved end complementary to said socket and adapted to lie therein with the members at different angular relations.

2. A corner cap for sash structures comprising sheath members complementary to and overlying the ends of the adjacent sashes, and having curved complementary ends, one overlying the other.

3. A corner cap for sash structures comprising sheath members complementary to and overlying the ends of the adjacent sashes, and having curved complementary ends, one overlying the other, and a shoulder formed in one of said sheath members in symmetry with the shoulder formed by the overlap.

4. A corner cap for sash structures comprising sheath members complementary to and overlying the ends of the adjacent sashes, and having curved complementary ends, one overlying the other, the curves being concentric with the corner.

5. A corner cap for sash structures comprising sheath members complementary to and overlying the ends of the adjacent sashes, one of said members terminating in a curved socket and the other member terminating in a curved end complementary to said socket and adapted to lie therein with the members at different angular relations, and means adjustable from the outside of the cap to secure said sheath members to the sash.

In testimony whereof, I have hereunto set my hand.

FERD H. MEYER.