

be made on this same principle, by substituting frames with glass in place of the wooden sides of the cases, it being only necessary in such cases to carry the sides up and down from the top and bottom of the frame in the same manner that the front and back is carried up and down. If the case is so large, as for habitat groups, that it is necessary to have more than one frame, a mullion to which to screw the frames may be inserted between the top and bottom of the case where necessary, but this should not project sidewise beyond the wooden frame. By this means the amount of wood exposed to view is kept at a minimum, whereas in many cases such as we often see, the mullion is exposed to view and the frames are on each side of it, making three thicknesses of wood to obscure the exhibit instead of only two. If desired, a moulding can be screwed over the crack where the frames meet, and if fastened to one of the frames that frame may be taken off first in opening and closing the case, which will save the trouble of unscrewing the moulding.

In the simple cases the front and back sashes may all be made the same size; where the cases are not very deep and sashes are used in the sides, it will of course be necessary to have a smaller size of sash for the sides; but if the cases are very large this will not be necessary, although it will make any attempt at a square case as much longer than it is wide as twice the thickness of the sash, unless the frame at each corner laps the same direction.

One of the simple forms of these cases three feet wide by one foot by seven feet, was made, with the exception of the frame and glass, by two carpenters, during the time which they could take from other work in a single day while assisting in reorganizing the Rocky Mountains Park Museum. It was thought that the frame and glass could be put on later. The case was wanted immediately and an exhibit was installed in it as soon as it had been given a coat of stain. This seemed a fair test of the cheapness, ease and speed with which such cases could be made available.

The specifications which have been made by Mr. P. A. Taverner to accompany this description are for a somewhat more complicated and slightly more expensive case, and consequently a number of the dimensions and methods of construction are slightly different.

#### SPECIFICATIONS.—BY P. A. TAVERNER.

##### MATERIAL—LUMBER.

All material in case to be of clear, white pine, whitewood or other material most readily obtainable in locality, in clear lengths free from large or unsound knots or shakes.