

ment of British Columbia, which has most promptly fulfilled its undertakings in the matter. Although the first source of water supply was a failure, this important question is now satisfactorily solved.

The concrete pier for carrying the telescope (Plate VII.), and the surrounding circular steel building (Plate VIII.), whose wall serves to support the dome, was commenced last summer and is now completed, except for some minor details, which are delayed until the telescope arrives. One of the essential features about the building and dome is that they are entirely of steel construction, which allows them to assume rapidly the air temperature; and they are provided with double walls and a system of louvres at the top of the dome, ensuring a thorough circulation of the air and the maintenance of the interior at the shade temperature.

A contract for the 66-foot revolving dome, which, in the case of a large reflecting telescope, is a most important part of the equipment, as it has to be provided with many accessories required in the handling of and observing with the telescope, was awarded last spring to the Warner and Swasey Co., so that dome and telescope were designed together and should work in proper relation to one another. This dome is now being erected on its building at the observatory site, and although it has not yet been operated, its temporary erection at Cleveland sufficed to show that it will be the most complete and convenient in every operating detail of any ever built. (Plate IX.)

One of the observers' houses is completed, but none of the other buildings required have yet been begun. This dwelling will enable the supervision of the erection of dome and telescope, and the preliminary adjustments and experimental work to be efficiently performed. It is hoped that by the time the telescope is in shape for regular and systematic operation the necessary additional building equipment will be provided.

It may be of interest to give a summary of the main features of the telescope mounting at this time, leaving a full account until its final erection and completion.