

Column "Aurora."—If Aurora is visible at the night observation hour, the class in which it is included is to be entered in Roman numerals in this column. If Aurora be observed at other hours, the class and time of occurrence should be entered in the column, "Aurora and Time of Occurrence," if the form includes this column; but if not, the Aurora symbol with its class, and the times between which it was seen, should be entered in the column, "Miscellaneous Phenomena, &c."

Column "Total Snow on the Ground."—When the form includes this column, an entry should be made twice a week, or oftener, shewing the total depth of snow in inches on the ground (as distinct from the depth that fell within any given time). Two entries should be made on each occasion—one to shew how much remains untrodden in the open fields, and the other to shew the snow packed on the high road. The first should be entered thus: "field 20;" and the other, "road 7."

Column "Remarks."—The directions for filling the column "Remarks" in the Weekly Form I., are applicable also to Form 17.

(431) Remarks on the Rain and Snow Register.—This form is used only by observers who confine their attention to recording the depth of rain and of snow which falls within 24 hours, and to giving brief notices regarding the weather and miscellaneous phenomena. The rain or snow is to be measured each morning at 7 a.m., and entered in a line with the day of the month in which it was measured, and without any reference to the time when it was supposed to have fallen.

For filling the various columns relative to rain and snow, consult the articles herewith indicated:

For *Rain*, Art. 418.

For *Snow*, Art. 419.

Total precipitation, Art. 420.

Column "Miscellaneous Phenomena, &c."—In this column enter the symbols expressing any phenomena which may have been seen, with the times when or between which they were seen. For the symbols to be used for various phenomena, see Art. 413.

(432) On Meteorological Returns.—The returns forwarded to the Central Office are to be exact transcripts from the Daily Register Book. As soon as the week, or other period for which the observations are sufficient to fill one sheet, is completed, the loose sheet, after careful comparison with the original in the book, is to be forwarded by mail, addressed, "The Superintendent, Meteorological Office, Toronto."