

will be paid at the end of the second half-year, on receipt of the monthly and yearly abstracts, on the same conditions as above.

N. B. The omission to take and record observations during any one month, or portion of a month, will subject the station to a loss of Thirty Dollars;—or the failure to transmit regularly to the Department the required monthly or yearly forms, will subject the Station to the loss of the allowance for the half-year during which the omission or failure takes place.

NOTE.—The section of the Grammar School Improvement Act of 1865, authorizing these Meteorological observations, is as follows:—  
 “Each of the Grammar School Meteorological stations, at which the daily observations are made, as required by law, shall be entitled to an additional apportionment out of the Grammar School fund, at a rate not exceeding fifteen dollars per month for each consecutive month during which such duty is performed and satisfactory monthly abstracts thereof are furnished to the Chief Superintendent, according to the forms and regulations provided by the Department of Public Instruction; but the number and locality of such meteorological stations shall be designated by the Council of Public Instruction with the approval of the Governor in Council.”

## 2. SYNOPSIS OF THE DAILY ROUTINE OF OBSERVATION.

HOURS OF OBSERVATION: *Seven o'clock a.m.*; *One p.m.*; and *Nine p.m.*

I. BAROMETER. 1. Gently tap the tube. (Section I., Article 1, page 5, of the *General Instructions for making Meteorological Observations at the Grammar School Stations in Upper Canada*, 1857.)

2. Read the attached thermometer.

3. Adjust the cistern.

4. Adjust the index.

5. Read the scale and vernier.

II. THERMOMETER. 1. Read the dry-bulb thermometer. (Sec. I., Art. 2, page 7, of do.)

2. Read the wet-bulb thermometer. (Sec. I., Art. 7, page 10, of do.)

3. Repeat the reading of the dry-bulb thermometer. (Sec. I., Art. 7, page 11, of do.)

III. WIND AND CLOUDS. Note the direction and velocity of the wind (Sec. II., Arts. 9, 10, page, 12 and 13); the amount of