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Chronometers for sale and to hire, at COGSWELL'S.  
 PICKFORD & BLACK, Ship Brokers and Steamship Agts., Halifax. N. S.

10 ROBERT H. COGSWELL'S [1898]

FEBRUARY.

Chronometer of  
G. M. T.

| THE SUN'S        |                  |                           |    |                |                       |       |                |                                                 |                |    |       | H     | MIN.  | SEC. | THS. |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|------------------|------------------|---------------------------|----|----------------|-----------------------|-------|----------------|-------------------------------------------------|----------------|----|-------|-------|-------|------|------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| Day of the Week. | Day of the Month | Apparent Right Ascension. |    | Var. in 1 h'r. | Apparent Declination. |       | Var. in 1 h'r. | Equation of Time, to be added to Apparent Time. | Var. in 1 h'r. | 1  | 2     | 3     | 4     | 5    | 6    | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |
|                  |                  | h.                        | m. | s.             | s.                    | °     | '              | "                                               | "              | m. | s.    | s.    |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 1                | 21                        | 0  | 44.60          | 10.175                | S. 17 | 0              | 9.1                                             | 42.95          | 13 | 51    | 07.0  | 0.317 |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| W                | 2                | 21                        | 4  | 48.37          | 10.140                | 16    | 42             | 49.4                                            | 43.68          | 13 | 58.27 | 0.282 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 3                | 21                        | 8  | 51.31          | 10.105                | 16    | 25             | 12.4                                            | 44.40          | 14 | 4.63  | 0.248 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| F                | 4                | 21                        | 12 | 53.42          | 10.071                | 16    | 7              | 18.3                                            | 45.10          | 14 | 10    | 17.0  | 0.214 |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 5                | 21                        | 16 | 54.71          | 10.037                | 15    | 49             | 7.7                                             | 45.78          | 14 | 14    | 88.0  | 0.180 |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 6                | 21                        | 20 | 55.18          | 10.003                | 15    | 30             | 41.0                                            | 46.45          | 14 | 18.78 | 0.146 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| M                | 7                | 21                        | 24 | 54.84          | 9.969                 | 15    | 11             | 58.4                                            | 47.10          | 14 | 21.87 | 0.112 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 8                | 21                        | 28 | 53.69          | 9.936                 | 14    | 53             | 0.4                                             | 47.73          | 14 | 24.17 | 0.080 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| W                | 9                | 21                        | 32 | 51.76          | 9.904                 | 14    | 33             | 47.4                                            | 48.35          | 14 | 25.69 | 0.047 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 10               | 21                        | 36 | 49.06          | 9.872                 | 14    | 14             | 19.7                                            | 48.95          | 14 | 26.43 | 0.015 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| F                | 11               | 21                        | 40 | 45.59          | 9.840                 | 13    | 54             | 37.9                                            | 49.53          | 14 | 26.41 | 0.016 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 12               | 21                        | 44 | 41.37          | 9.802                 | 13    | 34             | 42.1                                            | 50.10          | 14 | 25.64 | 0.047 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 13               | 21                        | 48 | 36.41          | 9.778                 | 13    | 14             | 32.9                                            | 50.65          | 14 | 24.14 | 0.078 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| M                | 14               | 21                        | 52 | 30.73          | 9.748                 | 12    | 54             | 10.7                                            | 51.19          | 14 | 21.96 | 0.108 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 15               | 21                        | 56 | 24.33          | 9.719                 | 12    | 33             | 35.8                                            | 51.71          | 14 | 18.95 | 0.137 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| W                | 16               | 22                        | 0  | 17.23          | 9.690                 | 12    | 12             | 48.8                                            | 52.20          | 14 | 15.31 | 0.166 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 17               | 22                        | 4  | 9.44           | 9.661                 | 11    | 51             | 50.0                                            | 52.69          | 14 | 10.97 | 0.195 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| F                | 18               | 22                        | 8  | 0.96           | 9.633                 | 11    | 30             | 39.8                                            | 53.15          | 14 | 5.94  | 0.224 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 19               | 22                        | 11 | 51.81          | 9.605                 | 11    | 9              | 18.8                                            | 53.59          | 14 | 0.24  | 0.251 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 20               | 22                        | 15 | 41.98          | 9.577                 | 10    | 47             | 47.4                                            | 54.02          | 13 | 53.88 | 0.279 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| M                | 21               | 22                        | 19 | 31.50          | 9.550                 | 10    | 26             | 6.0                                             | 54.42          | 13 | 46.87 | 0.305 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 22               | 22                        | 23 | 20.37          | 9.523                 | 10    | 4              | 15.0                                            | 54.81          | 13 | 39.22 | 0.332 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| W                | 23               | 22                        | 27 | 8.61           | 9.497                 | 9     | 42             | 14.9                                            | 55.19          | 13 | 30.93 | 0.358 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 24               | 22                        | 30 | 56.24          | 9.472                 | 9     | 20             | 6.1                                             | 55.54          | 13 | 22.03 | 0.384 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| F                | 25               | 22                        | 34 | 43.26          | 9.447                 | 8     | 57             | 49.0                                            | 55.88          | 13 | 12.52 | 0.408 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 26               | 22                        | 38 | 29.69          | 9.423                 | 8     | 35             | 24.0                                            | 56.20          | 13 | 2.43  | 0.432 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| S                | 27               | 22                        | 42 | 15.55          | 9.399                 | 8     | 12             | 51.6                                            | 56.50          | 12 | 51.77 | 0.456 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| M                | 28               | 23                        | 46 | 0.85           | 9.376                 | 7     | 50             | 12.0                                            | 56.79          | 12 | 40.55 | 0.479 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| T                | 29               | 22                        | 49 | 45.62          | 9.355                 | S. 7  | 27             | 25.9                                            | 57.05          | 12 | 28.79 | 0.501 |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                  |                  |                           |    |                |                       |       |                |                                                 |                |    |       |       |       |      |      |   |   |   |    |    |    |    |    |    |    |    |    | </ |    |    |    |    |    |    |    |    |    |    |    |    |  |

Macdonald & Co., Steam Wrecking Pumps for Sale or Hire.—See page 4 cover.

Iron Pipe all sizes, at MACDONALD & CO'S.—See adv. page 4, cover.