## CHRONOMETERS.

[illegible] equipment of United States [illegible] vessels for sea service one of the [illegible] essential prerequisites of their [illegible] is the marine chronometers, instruments of peculiar construction and [illegible] perfection in workmanship, by which time is measured with extreme accuracy, as in determining geographical longitudes, and ascertaining the difference of time.

One of the most essential and practical features of the United States [illegible] is the custody of these delicate instruments, which are thoroughly tested before being given to work that requires much care and attention, from three to six months in a year.

There is constructed near the chronometer room at the observatory a temperature room in which the testing is carried on and where the influence of the hygrometric conditions of the atmosphere upon the running of chronometers is [illegible]. The room is heated by circulation of hot water, the fuel being gas controlled by electricity, and is cooled by an ice refrigerator [illegible] that of the outside atmosphere. The temperature is closely [illegible] day during trial and recorded for the previous twenty-four hours by a chronometric thermometer and by self-registering maximum and minimum thermometers.

The chronometers are compared daily between 11 and 11:40 o'clock a. m. with the mean time standard clock, and the errors and rates are worked up every [illegible] from these mean rates calculations are made to the nearest quarter of a second. All chronometers received at the observatory are placed on trial prior to their purchase by the government and are tested at the temperatures between 45 and 90 degrees F., fifty-five, 70 and [illegible] degrees. [illegible] all [illegible] chronometers [illegible] navy.

The [illegible] American makers of chronometers [illegible] instruments for [illegible] test. The instruments are [illegible] by their numbers, and those failing to pass are returned to their makers. The trials are commenced near the middle of the summer or the middle of the winter in each year, so that the extreme temperature of both extremes can be used as well as artificial ones.

Chronometers are selected [illegible] view to the temperature in which they are [illegible] for [illegible] make [illegible] satisfactory [illegible] for [illegible] makes the reverse.

When called for, they are taken direct from the observatory to the navy department to their destination, while still running, with the greatest care. They are delivered to the navigation officer of the navy yard of the vessel, as the case may be, when the supervision of the observatory ceases until their return.—New York Times.

## LE THOMAS

The ancients slept on the floor or on a divan covered with [illegible]. During the middle ages beds were made of [illegible] ches, heather or straw. It is believed that feather beds were known to the Romans, since a mention by one of the poets [illegible] that they slept on feathers is supposed to refer to this kind of bed. Heliogabalus had an air cushion and also an air mattress [illegible] 222 [illegible]. Feather beds were employed by the better classes in England during the days of Henry VIII., though they were considered luxuries and were expensive. The bedsteads of the Egyptians, Romans and Greeks closely resembled our [illegible]. The Russian peasants place their beds on top of the family oven for [illegible] warmth by [illegible] Rus. To the present day bedsteads in Holland and some parts of Germany [illegible] fitted up with two feather beds, on which the sleeper lies while the [illegible] is used for covering.

### Getting Rested.

[illegible] divorcee that always gets the [illegible] William—Well, which is the divorce the man or the lady? His [illegible] me the "[illegible]"


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# Coast Rail

Corrected to [illegible]

| No. 99 Daily | No. 29 Daily | | STATIONS | |
|---|---|---|---|---|
| [illegible] | [illegible] | Lv | Jacksonville | Ar |
| [illegible] | [illegible] | " | St. Augustine | " |
| [illegible] | [illegible] | " | Hastings | " |
| [illegible] | [illegible] | " | [illegible] | " |
| 7 35 p | 12 14 p | Ar | Palatka | Lv |
| 6 45 p | [illegible] | Lv | Palatka | Ar |
| 8 25 p | 2 01 p | Ar | San Mateo | Lv |
| [illegible] | [illegible] | " | [illegible] | " |
| [illegible] | [illegible] | " | Barberville | " |
| [illegible] | [illegible] | " | Pierson | " |
| [illegible] | [illegible] | " | Cassadaville | " |
| [illegible] | [illegible] | " | Orange | " |
| [illegible] | [illegible] | " | Daytona | " |
| 9 04 p | 1 51 p | " | Port Orange | " |
| 9 25 p | 2 15 p | Ar | New Smyrna | " |
| 10 21 a | 3 44 p | Ar | Lake Helen | Lv |
| 10 39 a | 3 55 p | " | Orange City | " |
| 10 45 a | 4 00 p | " | Orange City Junction | " |
| 9 35 p | 2 [illegible] p | Lv | New Smyrna | Lv |
| [illegible] | [illegible] | " | Oak Hill | " |
| [illegible] | [illegible] | " | Titusville | " |
| 9 00 a | [illegible] | Ar | Sanford | Lv |
| [illegible] | [illegible] | Lv | Sanford | Ar |
| 10 30 p | 3 20 p | Lv | Titusville | Lv |
| [illegible] | [illegible] | " | Cocoa | " |
| [illegible] | [illegible] | " | Rockledge | " |
| [illegible] | [illegible] | " | Eau Gallie | " |
| [illegible] | [illegible] | " | Melbourne | " |
| [illegible] | [illegible] | " | Sebastian | " |
| 1 30 a | 6 29 p | " | St. Lucie | " |
| [illegible] | [illegible] | " | Fort Pierce | " |
| [illegible] | [illegible] | " | Tibbals | " |
| 3 23 a | 7 12 p | " | Eden | " |
| 3 28 a | 7 17 p | " | Jensen | " |
| 3 39 a | 7 28 p | " | Stuart | " |
| 3 53 a | 7 36 p | " | Hobe Sound | " |
| 3 57 a | 8 14 p | " | West Jupiter | " |
| 4 04 a | 8 51 p | " | West Palm Beach | " |
| 4 23 a | 9 18 p | " | Boynton | " |
| [illegible] | [illegible] | " | Delray | " |
| [illegible] | [illegible] | " | Dania | " |
| 5 20 a | 10 49 p | " | Hallandale | " |
| 5 34 a | 11 07 p | " | Lemon City | " |
| 5 55 a | 11 15 p | Ar | Miami | Lv |

Daily Ex. Sun. — HOMESTEAD EXTENSION — Daily Ex. Sun.

| | | | |
|---|---|---|---|
| Lv | Miami | Ar | |
| Ar | Homestead | Lv | |

| No. 17 Daily | No. 15 Daily | STAYPORT BRANCH | | No. 3 Daily | No. 27 Sun. Only | No. 1 Daily |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | Jacksonville | Ar | 7 45 a | 12 10 p | 5 30 p |
| [illegible] | [illegible] | Jacksonville | Lv | 7 51 a | 12 [illegible] p | 5 [illegible] p |
| [illegible] | [illegible] | Pablo Beach | " | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | Atlantic Beach | " | 7 00 a | 12 45 p | 4 45 p |
| [illegible] | [illegible] | Mayport | " | 8 45 a | 11 10 a | 4 [illegible] p |

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| No. 34 | No. 30 | Two Trains East | No. 29 | No. 33 |
|---|---|---|---|---|
| 9 05a | 7 55p | Lv Jacksonville Ar | 9 00a | 8 20p |
| 12 40a | 10 40p | Lv Jesup Ar | 6 20p | 5 40p |
| 1 20p | 12 15a | Lv Savannah Ar | 4 35a | 4 00p |
| 6 35p | 6 10a | Ar Columbia Lv | 11 15a | 12 10p |
| 10 20p | 9 55a | Ar Charlotte Lv | 8 50p | 8 35a |
| 1 13a | 12 51p | Ar Greensb'r Lv | 7 03p | 5 53a |
| 2 21a | 2 10p | Ar Danville Lv | 5 51p | 4 34a |
| 6 26a | 5 42p | Ar Richmond Lv | 12 30p | 11 30p |
| 4 34a | 4 20p | Ar Lynchbu'g Lv | 3 35p | 2 38p |
| 6 18a | 6 10p | Ar Charlottesville Lv | 1 45p | 12 45a |
| 9 50a | 9 50p | Ar Washin'tn Lv | 10 51a | 9 50p |
| 11 30a | 11 35p | Ar Baltimore Lv | 8 10a | 8 20p |
| 1 43p | 2 35a | Ar W. Phila Lv | 8 32p | 5 55p |
| 4 15p | 6 30a | Ar New York Lv | 12 10a | 3 25p |

Nos. 33 and 34—"New York and Florida Express." Daily Pullman Drawing Room Sleeping Cars Boyd, Tampa and Jacksonville to New York.

Nos. 29 and 30—"Washington and Florida Limited." Daily Pullman Drawing Room Sleeping Car Jacksonville to New York.

| No. 30 | Through Land of The Sky | No. 29 |
|---|---|---|
| 7 55p | Lv Jacksonville, Fla Ar | 9 00a |
| [illegible] | Lv Savannah, Ga Ar | 3 30a |
| 6 00a | Ar Columbia, S. C. Lv | 1 15a |
| [illegible] | Ar Asheville, N. C. Lv | [illegible] |
| 2 37p | Ar Hot Springs, N. C. Lv | 12 40p |
| [illegible] | Ar Knoxville, Tenn. Lv | 9 30a |
| 8 50a | Ar Louisville, Ky Lv | 3 50p |
| 4 50p | Ar St. Louis, Mo. Lv | 10 00a |
| [illegible] | Ar Cincinnati, O. Lv | 8 00p |

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|---|---|---|---|---|
| 7 45p | 7 45p | Lv Jax'ville, Fla. So Ry Ar | 8 50a | 8 50a |
| 10 45p | 10 30p | Lv Jesup, Ga. So Ry Lv | 6 10a | 6 10a |
| 4 05a | 3 00p | Ar Macon, Ga. So Ry Lv | 1 45a | 1 30p |
| 6 35a | 5 20a | Ar Atlanta, Ga. So Ry Lv | 11 15p | 10 30p |
| 9 35a | 7 30p | Ar Rome, Ga. So Ry Lv | 8 30p | 7 30p |
| 11 38a | 9 25a | Ar Dalton, Ga. So Ry Lv | 6 43p | 5 40p |
| 1 00p | 9 45p | Ar Chattanooga, C. & O. Lv | 6 15p | 3 30p |
| [illegible] | 8 20p | Ar Lexington, C. & O. Lv | 10 45a | [illegible] |
| [illegible] | 7 40p | Ar Cincinnati, O. C. & G. Lv | 8 30a | [illegible] |
| [illegible] | 8 40p | Lv Cincinnati, Big F'r Ar | 7 10a | [illegible] |
| [illegible] | 7 10p | Ar Chicago, Big Four Lv | 8 30p | [illegible] |
| [illegible] | 8 35p | Lv Cincinnati, Pa. L. S. Ar | 6 45a | [illegible] |
| [illegible] | [illegible] | Ar Chicago, Pa. L. S. Lv | [illegible] | [illegible] |
| [illegible] | 8 45p | Lv Cincinnati, CH&D Ar | 7 40p | [illegible] |
| [illegible] | 7 22a | Ar Chicago, Monon R'y Lv | 9 02p | [illegible] |
| [illegible] | 9 40p | Lv Cincinnati, CH&D Ar | 6 [illegible] | [illegible] |
| [illegible] | 5 20a | Ar Toledo, O. CH&D Lv | 11 40p | [illegible] |
| [illegible] | 7 25a | Ar Detroit, Mich. CH&D Lv | 10 00p | [illegible] |
| [illegible] | 9 [illegible]p | Lv Cincinnati, Big Four Ar | 6 50a | [illegible] |
| [illegible] | 6 35a | Ar Cleveland, Big F'r Lv | 3 30p | [illegible] |
| [illegible] | 5 30p | Lv Lexington, Ky. So Ry Ar | 10 45a | [illegible] |
| [illegible] | 3 10p | Lv Louisville, So Ry Lv | 7 40p | [illegible] |
| [illegible] | [illegible] | Ar St. Louis, Mo. Lv | [illegible] | [illegible] |
| [illegible] | 9 40a | Ar Anniston, So Ry Lv | 7 [illegible]p | [illegible] |
| [illegible] | 11 45a | Ar Birmingham, So Ry Lv | 5 [illegible]p | [illegible] |
| [illegible] | 8 [illegible]p | Ar Meridian, So Ry Lv | [illegible] | [illegible] |
| [illegible] | 9 40a | Ar Kansas City, C. & E. I. Lv | 8 30p | [illegible] |
| [illegible] | 8 30p | Ar Memphis, Tenn. Lv | 8 [illegible]a | [illegible] |
| [illegible] | 9 20p | Ar Vicksburg, Miss. Lv | 10 [illegible]a | [illegible] |

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Time Table in effect September 24, 1906.

| No. 1 Daily | No. 3 Daily | STATIONS. | No. 1 Daily | No. 3 Daily |
|---|---|---|---|---|
| A. M. | A. M. | | P. M. | P. M. |
| [illegible] | [illegible] | Fairfield | [illegible] | [illegible] |
| [illegible] | [illegible] | Irvine | [illegible] | [illegible] |
| [illegible] | [illegible] | Dunnellon | [illegible] | [illegible] |
| [illegible] | [illegible] | Southside | [illegible] | [illegible] |
| [illegible] | [illegible] | Hickman | [illegible] | [illegible] |
| [illegible] | [illegible] | Lake Brooklyn | [illegible] | [illegible] |
| [illegible] | [illegible] | Micanopy | [illegible] | [illegible] |
| [illegible] | [illegible] | Tacoma City | [illegible] | [illegible] |
| [illegible] | [illegible] | Kirkwood | [illegible] | [illegible] |
| [illegible] | [illegible] | Clyatt | [illegible] | [illegible] |
| [illegible] | [illegible] | Wacahoota | [illegible] | [illegible] |
| [illegible] | [illegible] | Rocky Point | [illegible] | [illegible] |
| [illegible] | [illegible] | Gainesville | [illegible] | [illegible] |
| [illegible] | [illegible] | Bellamy | [illegible] | [illegible] |
| [illegible] | [illegible] | Cyril | [illegible] | [illegible] |
| [illegible] | [illegible] | Graham | [illegible] | [illegible] |
| 7 15 A. | 7 25 P. | Hampton City | 8 20 | 8 10 |
| [illegible] | [illegible] | Tenaha | [illegible] | [illegible] |
| [illegible] | [illegible] | Lake City | [illegible] | [illegible] |
| [illegible] | [illegible] | Tallahassee | [illegible] | [illegible] |
| [illegible] | [illegible] | Valdosta | [illegible] | [illegible] |
| [illegible] | [illegible] | Quitman | [illegible] | [illegible] |
| A. M. | P. M. | | P. M. | A. M. |

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