

TABLE 2.—Record of sea water and air temperatures during voyage from Portland, Ore., to Norfolk, Va.

Date.	Location.	Temperature Sea Water. Degrees F.	Temperature Air. Degrees F.
November 27, 1917...	Portland, Oregon.....		
December 5, 1917...	Oregon Coast.....		55
" 7, 1917...	Californian Coast.....		59
" 8, 1917...	Californian Coast.....		65
" 9, 1917...	Californian Coast.....	63	67
" 11, 1917...	Lower Californian Coast.....	73	78
" 13, 1917...	Gulf of California.....	78	78
" 15, 1917...	Mexican Coast.....	82	87
" 17, 1917...	Gulf of Tehuantepec.....	74	81
" 19, 1917...	80	81
" 21, 1917...	77	86
" 23, 1917...	80	84
" 25, 1917...	Balboa.....		87
" 27, 1917...	Colon.....		
" 29, 1917...	Between Colon and Jamaica.....	80	88
January 1, 1918...	Kingston, Jamaica.....		78
" 4, 1918...	Between Cuba and Haiti.....	76	73
" 6, 1918...	{ Following Northerly course to Norfolk, Virginia	68	73
" 8, 1918...	{	70	52
" 9, 1918...	Cape Hatteras.....	33	36

The readings of the electrical thermometers in the holds were taken every two or three days during the voyage between Portland and Norfolk. The temperature changes did not usually take place very quickly and therefore only a partial record of these observations is given in Tables 3-10. If the tables are studied in conjunction with Figs. 8-11 it will be found that the variations in temperature in any part of the hold can be quite closely followed.

TABLE 3.—Temperatures recorded on Line A.

No. 1 Northern. Highest Moisture.
Average Moisture, 15 per cent.

No. 1 Northern, Average
Moisture, 13.8 per cent.

Thermometer No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Nov. 27, 1917.....	53.0	53.5	53.5	54.0	54.0	54.0	55.0	55.5	56.0	55.5	58.5	59.0	64.0
Dec. 7, 1917.....	53.0	53.0	53.0	53.5	53.5	53.0	54.0	55.0	56.0	56.0	59.0	75.0	76.0
" 13, 1917.....	53.5	53.5	54.0	54.5	54.0	54.0	54.5	55.0	56.0	55.5	61.5	86.5	85.0
" 17, 1917.....	56.5	57.5	57.5	55.0	55.0	56.0	55.0	55.0	56.5	56.0	63.0	89.5	90.0
" 23, 1917.....	60.0	61.5	61.0	58.0	58.0	59.0	56.5	56.0	56.5	56.0	66.0	90.5	94.5
" 29, 1917.....	62.5	64.5	64.0	60.5	60.5	63.5	58.5	58.0	58.5	61.5	63.5	88.5	97.0
Jan. 6, 1918.....	64.5	66.0	65.0	62.5	62.5	63.5	60.0	59.0	58.5	58.0	69.5	91.0	97.0
" 14, 1918.....	62.5	63.5	63.0	63.0	63.0	63.5	63.0	61.5	60.0	60.0	69.5	67.5	80.5
" 17, 1918.....	59.0	59.0	58.5	61.0	61.0	60.0	61.5	61.0	60.0	59.5	67.0	66.0	76.5
" 25, 1918.....	53.5	55.0	52.5	56.0	55.5	54.5	58.5	59.0	59.5	59.5	64.0	63.0	73.0

REMARKS:—Thermometers Nos. 1-8 were embedded in the highest moisture wheat while Nos. 9-13 were in dryer wheat of the same grade. Thermometers Nos. 11-12-13 as shown in diagram No. 8 were close to the bulkhead and were affected by the high temperature in the stokehold which often reached 130°. In other parts of this layer no appreciable changes in temperature occurred until about December 17, and at no time were these increases sufficiently great to cause anxiety.