

Hail occurred on the 1st, Ill; 2nd, Ohio; 3rd, N. Y., Iowa; 4th, 5th, 6th, Idaho, Ter.; 7th, 8th, 9th, 10th, Conn; 11th, 12th, 13th, Kan.; 14th, 15th, Ala.; 16th, Ill.; Mass.; Tex.; 17th, Mass.; Pa.; 18th, 19th, 20th, 21st, 22nd, 23rd, Kan.; Idaho, Ter.; 24th, Kan.; 25th, 26th, Tenn.; 27th, Mass.; Ind.; 28th, Pa.; 29th, 30th, Neb.

Snow.—During the month, snow fell as follows: from the 1st to the 10th, 16 to 19th, and 27th to 30th, snow fell over the entire country from Wyoming and Colorado eastward over the Northwest and Lake region to New England. From the 5th to the 11th, occasional snow fell in Nevada, Utah, New Mexico, Tex., Indian Ter., Mo., N. C., Md., and N. J. From the 13th to the 18th in Nevada, New Mexico. From the 21st to 27th in Idaho, Nevada and New Mexico, and from 29th to 30th in Indian Ter., Tenn., Ky., W. Va., N. C., Va., Md., N. J. At the end of the month the depth of snow was reported as follows: Summit of Mt. Washington, 18 in.; Pike's Peak, 12 in.; in Wisconsin from 1 to 13 in.; in N. Y. and N. J., from $\frac{1}{2}$ to 8 in.; in Mich. and Pa., $\frac{1}{2}$ to 5 in.; in Neb., Dak., Min., Iowa and Ill., 1-10 to 4 in.; in Wyo., Col., Kan., Ind., Ver., and Me., 1-10 to 2 in.; in Ohio, 1-20 to $\frac{1}{2}$ in.; West Va., 1-10; Va., $\frac{1}{2}$ in.

Rainy days.—The number of days on which rain has fallen, as recorded by the Signal Service observers, ranges as follows: New England, 11 to 17; Middle Atlantic States, 11 to 14; South Atlantic States, 9 to 14; East Gulf States, 12 to 16; West Gulf States, 7 to 10; Tennessee and Ohio valley, 12 to 18; Missouri valley, 11 to 17; Upper Mississippi valley, 13 to 19; Upper Lake region, 11 to 20; Lower Lake region, 16 to 22; Rocky Mountain stations, 3 to 9; California, 0 to 8; Oregon, 13 to 23.

Cloudy days.—The number of cloudy days reported during the month by voluntary observers and army surgeons ranges about as follows: New England, 5 to 21; Middle Atlantic States, 5 to 22; South Atlantic States, 3 to 11; East Gulf States, 7 to 16; West Gulf States, 2 to 18; Tennessee and Ohio valley, 2 to 19; Lower Missouri valley, 2 to 17; Upper Mississippi valley, 2 to 19; Upper Lake region, 7 to 18; Lower Lake region, 5 to 19; Rocky Mountain stations, 4 to 12; California, 1 to 17.

RELATIVE HUMIDITY.

The average relative humidity for the month ranges about as follows: For New England, 67 to 77; Middle Atlantic States, 59 to 77; South Atlantic States, 71 to 77; East Gulf States, 68 to 76; West Gulf States, 65 to 72; Tennessee and the Ohio valley, 64 to 73; Lower Lakes, 66 to 78; Upper Lakes, 70 to 82; Upper Mississippi valley, 67 to 80; Lower Missouri valley, 67 to 74; California coast, 55 to 75; Sacramento valley, 70 to 74. High stations report the following average percentages, not corrected for altitude: Cheyenne, 65; Denver, 49; Mt. Washington, 88; Pike's Peak, 63; Salt Lake City, 55; Santa Fe, 49; Winnemucca, 64.

WINDS.

In General.—The prevailing winds at Signal Service stations are shown by the arrows on chart No. II, from which it will be seen that northwesterly or northerly winds have generally prevailed over the entire country, except in the Lake region, where they have been westerly or southerly, along the South Atlantic and East Gulf States, where they have been more northeasterly, and in Oregon and Idaho, where they have been southerly.

Total Movements.—The largest total movements have been as follows: Pikes Peak, 18,131 miles; Cape May, 14,360; Sandy Hook, 13,619; Cape Lookout, 13,298; Kittyhawk, 12,239; Barnegat, 11,958; Cape Hatteras, 11,099; Cape Henry, 11,026; Dodge City, 11,060; Indianola, 11,081; Thatcher's Island, 11,670; Breckenridge, 10,713; North Platte, 10,365; Sandusky, 10,130. On Mount Washington the total movement is not recorded, but hurricane winds prevailed continuously from the 2d to the 9th, from the 12th to the 19th, and again on the 26th and 27th, velocities of 120 miles per hour being frequently recorded.

The least movements have been as follows: La Mesilla, N.W., 1,146 miles; Roseburg, Or., 2,006; Visalia, Cal., 1,301; Boise City, Idaho, 2,793; Lynchburg, 2,633, and Augusta, 3,233.

The highest velocities, in miles per hour, have been as follows: Mt. Washington, N.W., 132 miles on the 12th; Pikes Peak, N., 80, 29th; Wood's Holl, S., 64, and New London, S.W., 63, on the 2d; Bismarck, N., 60, 26th; Buffalo, W., 60, 2nd; Cape Lookout, S.E., 60, on the 8th and 24th; Escanaba, N., 60, 8th; North Platte, N.W., 62, 8th; Philadelphia, E., 60, 24th.

Local Storms, Tornadoes etc., as distinct from extended storm-areas, have occurred as follows: November 2nd, at Mattewan, on the Hudson, buildings were blown down; at Winslow, Seaside, Heightstown and Cony Island, N. J., and Brooklyn, N. Y., considerable damage was done to buildings; a southeast tornado was reported at Long Branch; almost a hurricane at Newport; Fall River, Mass., violent cyclone; Trenton, N. J., at 2 p. m., a "terrific squall occurred, which swept before it trees, fences, telegraph wires, &c., and did considerable damage to buildings; several houses were blown down, and others unroofed"; Hamilton Square, N. J., shortly after 3 o'clock in the afternoon, the wind, which had been severe all day, terminated in a hurricane. It struck the village in the southwest and passed to the northeast, scattering destruction in its path. It seemed to be only a few hundred yards in width, and lasted only a few minutes.