By A. C. Hosmer.

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weather forecasts. which agree with the facts as determ-
Furnathed Expremily for The cinter tor webater county.
 lath bulletun, kave forcosasto of the
torm wave to crose the continent from 27th to 31 st , and the next mill reach the Pacifio const about Septem. ber list, cross the restern mountains by close of 2 d , the great central val.
leys from 3d to 5 th, and the eastern vates about the Gith. The warm wave
vill cross the western about September 1st, the great ceniral valleys about the 3d, and the eastwave will eross the western mountaing bout the the, the great central valleys about the 6th, and the eastern states about the 8 th.
the month, will be deseribed in next bulletin.
In sun stot storis.
In connection with sun spots are bright elevated spots called facule
The former are darkest, tho latter the brightest parts of the sun. Where one is found, the other is not far
amay. The spota are depressions, how away. The spota are depressions, bow
deep is not known, but astronomers say not less than 2,000 milen, while the faculw are elavations of equa extent. My theory is that the facula the sun, the low the storm centers the sun, the low barometor, where the
clouds are condensed and spouted high into the sun's atmosphere, while the spots are the high barometera, corre sponding to our clearing weather. In our earth storms, the clouds an moisture are drawn to the center of
the low iorometer, whirl around it agsinst the hands of the watch, they also are earried up ward. In storms of great foree, as is the tornado, the clouds are spouted to groat heights.
Cumulus clouds on earth are much like facule on the sun. The cumulu clouds appear in great mountaia-like heapg, with straight at
Where the sun shincs on their tops they appear like great mountains chey appear like great mountainay
eapped with snow. They are alway formed in the low barometer, and in panied by energy, are often accom great down-pours of ruin. Cumulus elouds indicate that the low barome ter is near, while the cirrus are seen
only near the tarometer. The latter only near the tarometer. The latter
are much more elevated than the former, and on the sun near the spote form the long bright torehes, alno called faculaw. If we bear in mind that the high and yow barometers constitute an in separable pair through which air and moisture circulate, condensed and transparent in the high, going up in the former and down in the latter, we storme and sun spota,

## The names high and

are misnomers, and convey arometer idea. It was formerly supposed thai a ridge of air jocreased the weipht of the atmosphere, thercfore becasise of this eupposed atmosphorio ridge or wave, it was called the high barome ter. Thin is now known to be a mie of in in wav of atmosphere that causes the in-
ereased weight, but a down-pouring column of air, and consequently the the low harometer an elevation, exnet Iy contrary to what their names im ply. The high barometer on the su dark sfot, while the lows would eaus

nod by the astronomers.
The terms high and low barometers
ferent meaning as comes, have a dif-
ferent meaning as compared to atmospherio barometers. In the instrucalled low, and when it runs up in he tube a high barometer
the air has been exhausted is filled with mercury, one of the heaviest of hetais. A small tube extends above omes heavier, the bulb is compressed and this forces the mercury higher the tube, indieating a bigher baromecer, a heavier atmorphere, or in realia greater pressure of the atmosphere, eaused by its momentum down-
ward as it falls downward to the carth rom great heights.
Tho instrumental low barometer he reverse of all this. The atmos phere rises, is lifted upward by the ing forees of all those atmospherie changes, and as the air rises it censequently presses with lons foree on the arometer's bnlb, the latter expands, the meroury runs down in the tube, and this in ealled the low barometer. The anamoly in all this is in the ract that the deep atmonphere, the mountain or ridge of atmosphere and olicud, is over the low barometer and the trough, depression, or hole in the atmosphere, is over the high barome cor, all of which constitute $A^{\text {e }}$ entra dietion botween facts and terms tha meterologist, and throw maioy perplex ing difficulties in the way perplex standiug the terms high and low ba rometer as applied to the instrument in one case, and the state and condi tions of the atmosphere in the othor What do You Take
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lots 9 to 12 block 3 lota 8.e. 10 -11 block 4 und othor lote $G$ ra shol'so nd to Btive Hill........ Rachel May to Wm. A May qoil 96300 Isate D May and wifo to Wm. A May qeel nw1/3 $11.4 \cdot 11$.... D Rannoy and wifo to H D
Ranney qed lota 11-12 Kanney qed lota 11 -12 bloek
Hoovera add to Blue Hill Sarah J Tabor and and huabund to Eliza J Jacho wd nely 2-9-12. 15500 Henry Ruache and vifo to
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