

Metoorology for the Farmers-A Sug. gestion by Lieut. Maury
In the number for August of the American Farmer, we find a paper from the well known scientific gentleman, Lieut. Muury, U. S. Nary, suggesting to the farmers gonerally an plan for securing a more inwhich surround which surround them in the atmosphere,
from which they may derive advantares in their profession equally as importantas those which have be en secured to the mariasr by the method of ofservation so exrensively carried out at sea under his auspices. Licut. M. asks fur eo-operation 1 his plan, which he sives is "very simple, and calls on the fanmers for little more than gofol will;" and cousidering the source from whence the suggestions on he subject coure, we should thisk they frout command and entist the ready cfiots of he friends of arriculture in all wartor he deme or ancultrent hus deno no kings for their benefit and for the adramemeat of science as the men who "go down the sta in ships." Iieut M's sugges ions are as fullows
I first want authority to take the preliminary steps, and to confer with other
meteorulogists and men of science at home nd abroud, with a view of establishing a uiform systeu of metoroforical observa tions fur the land as we have done for the ea.
If auy office of the government were authorized to say to the farmers, as I meterolorical journal; it showe form of ervations that are wanted the hours which they are to be made; tells what instruments are required, and how they are to be used; take it; furnish governthe goverament will discuss them and ive you a copy of the results whe pib lished-he would liove at once and without cost a volunteer corps of observers that would furnish him with all the data requisite for a complete study of both agricultural and sanitary meteorology. on the average for every county State that would gladly undertake the observations? I don't think thero ean be any difficulty on that seore. Sailons have been found to do as much on every part of the sea-on an average ten obserNuw if we could get the Engli rament, and the lrench government and the Russian government and the other Christian States both of the Old world and of the New to do the same by heir farmers, we shall have the whole
surface of our planet covered with meteor logical observers acting in concer and liciting from nature under all varieties of climate and circumstances, answers to he same questions, and that too at no other expense than that what each government should choose to incur for the ions that are made by its own citizen or suljects.
What is wanted in a system of observa tions like this is uniformity. Hence co poration-an osecwent to observe the ame things at the same times-is essen at only corresponding obsorvations the time, but we want them made with instruments that are alike or that can be prepared; and then we may expect to
tind out something certain and valuable and out something certain and valuable and beautiful machine called the gran phere.
If yqu ask me to state beforehand wha valuo I expeot to make, I nnswer if ould tell, I would not ask your assistanc to make them. The fields meterological are large-thero are many of them, and thero is in them.mighty harvests of many Some yefrs ago I commenced such a gystem for tha soa as $L$ am now advocating -and ais I how both see and fcel the neoessily of-for the land. After we had gather in a hirvest of useful results, by and.
 iscovering now truths and facts, Con- the addition to the force of the office that
iess authorized the Secretary of the Na$y$ to employ three small vessels of the tions after they are made. ary to assist me in perfecting these dis- I make the appeal to the farming inter veriesand pushing for ward investiga Now you would have said, what two ings can be more remote that what how which way the winds blow and b-marine telegraph across the Atlantio et it seems they are closely connected, or rescarches to bear directlyken for the one are Among the bearly fruits gathered by pusk nge firward our cystem of such discor eries, even with the slender means at
forded by Concress-for tho Secretary as authorised to let me have these there mall vesscls only in case they should marine telegraph across the Atlimtic We are told by the public prims that company has been formed for the pur pose, the money mised, contrates made and the cable that is to hold the wires
and span the occan has commenced to bo and span the occan has comnenced to be
made. Ihave a piece of it now on the tible before me.
One nill herdts in getturg the wires heir provision mar kets and produce e Wely half the distance in time-and time distance-from only the true measure of Let us illustrate the value in one respect only of this telegraph to the Farmers demand springs up in Fnglan mor breadstufls fur instance. The new fore it is ready so come, and by thes time she reaches our shores, and the produce
c:an be sent furward the chicf of Europe have been ransacked, and the Amorican dealer finds himself too late in the market.

Rut when the telegraphic platean,
which we have discorered in the Athantic Which we have discovered in the Atlantic the intellirence will bo magnetic cable York, Cincinnati, St , rans as soon as it is in Liverpool.Straightway the produce is put in motion he fair," $2 s$ is now too often the case, it will arrive rith the young of the floo mect the demand. By this achi East to or by the achievements which these in vestigations at sea hare already accom. plished in the shoftening of the voyages
and saving of time, who have been the sud saving of time, who have been the
freater gainers, the farmers or the mer hants
Storms on land have a begining and place, and frequently after several one travel end at some other; at lenst so it held. What would it be worth to the
farmer or the merchant, or to farmer or the merchant, or to any body,
if he could know with something libe always expect one, two, three or mot days ahead ?
I think it not at all unlikely that such to some extent at east, would be among
the first fruits of this system of observations that I am proposing ill parts of the country, would probably
be required to make daily reports to the central office in Washington as to tho wenther, cach for his own station-say at
9 A . M1 'This would soou cmble us then teruine the lavs of poon enable us to do termine the haws of progress, as well :
the march of the various states of weathe such as gales, rains, snow-storms and the like; so that by knowing in what part of the country a storm had arisen we should -lioarming through the telegraph tlie diree its rate of travel, and to prod to culculate few hours the time it would arive at differ ent places on the line of march; and ing these, the telegraphic ageney which the newspuper press of the country has estibblishet here, woud without more ado or further cost, make the announcement the
next moruing in all the papers of the

T allude this as an exemplification on do not suppose we should bo the plan. grilit in advance of every shower of rai that are general, the mareh of the rain time to give the pooplo in some portion approach. in Washington, to carry out the detai of this plan is already in oxistenco. was Secretary of War eud iti whon control of the Surgeon General of tho Army. There the meterologicul obsary cions that are made at our militnry posis are discussed and published; and one o concerving the enetorol interesting repor country that has orvorgy elimates of the in course of publicotion an office might be made a branch of the "Agricultural divis on of the Patent of is already in either case the nuoleus for it pense necessary would bo on account of
ts cspecially. because that is the great sheme; and if the farmers do not really with enough about it to use their representatives in Congress to procure the very tritting appropriatio hat is required to get it under way, I do
notsee why 1 should give myself any furnotsee why I should give n
Will you not bring the subject to al societios of the country? A simpla emorial fromin thesu to congress would not fail to procure all the legislative aid Socessary. Some of the leading scientific men of flan: and with authority to confer with hem officially, as to details, I have no oubt that most of of the governments of lf world would undertake, cach for it self and within its own territories, a cor sponding series of observations, so tha ments of this sreat atmospherical machinery of our planet as a whole, and no as bitherto in isolated detached parts.

R spectfully, \&e.,
M. F. Matry, Lt. U. S. N

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C. P. HUMRICI, Atorney at Law:

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