## Runal Eermamy

CULTIVATION OF THE STRAWBERRY. The digcoveries of scientific and practical men in the past few years bave excited a
large anount of attention from that class of
our farmers wbose labor is given principalurge anount or attention is given principal-
nur fayners whose labor is
to the cultivation of smaller fruits. to the cultivation of smaller fruits.
imong the nost saleable of these, paying: robably the largest percentage to the
 edeemed an impossibility, but that amount
acre of Strawberry plants is frefom all acre of strawberry plants is rre-
quently realized. The fart that an over-
tocked market would place their price beow romuneration, has proved groundless, ior it has been found an impossibility to
orerstock the market. Many of our farners contemplate this a ase of their ground for coming years, and to them we would say
wheays set out the best plants, even if their cost is considerably above the average, for cost is considerably above the average, for end. Light, loany soils with clay subsoils
aro best for this purpose, and a fair amount nro best or this purpose, and a fair amount
if exposure to the sun is also of value, Per-
inp there is no plant more sensitive to the lians of proper fertilizers than this one
and too much attention cannot easily be ad too much attention cannot eanily be
riven to this fact. The land should be ber
faced in the most cultivated order before placed in the most cultivated order before nt of the sun and in a moist condition un-
fil they are transplanted. If the season is dry and hot, it will be necessary for a short
me to water and shade them through the ay , always taking care to uncover them at yht so they maw.
filet of the dew.
Strawberries are best grown in beds four
fet wide. This secures convenience in gath fet wide. This secures convenience in gath Thing and alows should be put in a bed and the phants in each row placed twelve inches uded are observed the transplanting may ber, altbough the summer months are pre-
ferable. The fewest runners are made by those set in June and as more or less of these are desired farmers will either use on ayoid
this month in thêr work. An acre of these $\mathrm{p}^{\text {lants can be set by an experienced man in }}$ day and will number about 10,000 . It is of great importance to keep them
free from weédsisin the summer. A beglect of $a$ tew weeks in this matter will often
make it impossible to make it worth while to preserve the beds, and yet'a small a moun
of attention and labor will prevent their as condency And abor wil prevent their as
Mi neglected by the successful grower. Corn
stalks will answer a tolerable purpose, but rye straw is preferred above all othere arti-
cles. The covering should be done in No vember, and removed as soon as the freezing
weather is over and before the plants have
made nade any growth. be coverrag that
taken off need only be placed between the
ruws where iu wul serve w keep the ground noist and thus facilitate an early growth fruit clean. No good fruit however can b raised in large quantities without the use of
suitable fertilizers. Common barn yard manure is good but its constituents are to
cumbrous to be of great value. One chor of this ( 3,000 poinds, ) contains, 2,556 pound
of water and 138 of sand, 332 of carbor of water and 138 of aand, 332 of carbon than so much peat suraw or chaff. There is
but 74 pounds of active fertilizing material, such as nitrogen, potash, soda, lime, magne
sia, phosphoric and sulphurie acid, chlorine sian and alum. It avonld startle some of
iron and and farmers to learn that the marke
our value of these 74 pounds is only $\$ 3.00$ ye
such is the fact and proves conclusively that barn-yard manure however valuable for other purposes is but of little use in this
The best and cheapest fortilizer for this fruit, in twe jugment of those growers
who bave tested all kinds most thoroughy is
Baugh's Raw Bone Phosphate of Lime. The resultsproduced by this are truly astonisbing. It can be applied to the bed at any time, during the spring, snmmer, or fall months,
but sone of the most successful but some of the most successfal growers
have given a preference to the peribdfollow-
ing the bearing scason. - West Jersey Pioneer.

马
GOVERNMEMT SURVEY OF THE OENTRAL An exploring party of more than usual
importance bas just left the Atlantic for the Pucific coast to make a survey, under the
Pirection of the United States Government of a belt of land near to the fortieth paralle Nevada to the Rocky Mountains. Throug or near this belt will pass the Central Precific
Railroad, and the object of the is to gather in advance as much information as possible respecting the structure of the country, the mineral resources, the agricul-
tural capacity, and all. the other physical tion is so well organized and there is so litto canact knowleage in respect to the disurict entertained of the scientific and practical results which are likely to be reached.
The survey is ordered by Congress; to be conducted under the direction of the
Secretary of War; and, more particularly still, under direction of the chief of the U
S. Engineers, Major-General A. A. Hum. preys, to whom the party will report and from whom they have received their, general
instructions. This distingaisediofficer, whose name has long been indentified with the explorations and surveys directed by the War shown the greatest interest in promotiog
the objects of thit new expedition, and to
his experience and good judgment in fitting
out the party much of its success will be
due.
The head of the party in the field, is
Clarence Kmis a and-twenty years of age, educated in the
Sheffeld Scientific School of Yale College and connected for a few years past with th State Geological Survey of California und
Prof. J. D. Whitney. The experience which he has thas acquired . ${ }^{\text {ss a mountain }}$
explorer admirably fits bim for the leadership in this new expedition. He has travel led extensivoly among the great mountain
regions of the West, has agcended an measured some of the loftiest peats, is in ured to the exposure and hardships of fron-
tier life, and appreciates fully all the conditier ne, and apprechates fully all the condi-
tions wassential to sucess. Nine
assistants are ,under his direction. His friend and associate in the California surbeen engaged with Mr. King in surveying and mapping the famous Yo Semite Valle: and the adjacent mountain region, is the
frst assistant in topography, and Prof.
James . . Hague, of the Massachusetts Institute of Technology, likewise an experi enced traveller, is ase trst assistant in yeo ogy. There are also two other topograph
ers, two other geologists, a zoologist, a botanist, and a photographer. On their arrival in California a squad of twenty-three mount-
ed Califorians under non-commissioned of ed Californians, under non-commissioned on
ficers; will be detailed by the military an thorities as, their escort, and:six drivers and packers will complete the personnel of the party-a company of thirty-nine in all.
By turning to any good map of the Western mountains the reader will see that the proposed line of exploration extends fron the 120th to the lu5th meridian, or from Pyramid Lake, near Virginia City, on the
eastern slope of the Sierra Nevad, to Den-
ver City, on the eastern slope of the Rocky er City, on the eastern slope of the Rocky
Mountiins. The length of the track to be explored is about 1,000 miles, its breadth will
not exceed 100 . The great desert basin Nevada and Utah and the various parallel ridges and valloys by which it is traversed,
including the lofty ridges known as the including the lofty ridges known as the
Eastern and Western Humboldt River Mountains, and the Wabsatch Mountains to the
East of Great Salt Lake, will, of course, be included in their observations. The party hope to go this year, between the first of
July and the first of November, as far as Fort Riley, and then to spend the winter,
which is there too severe for fiel work, in which is there too severe for field work, in
the neighborhood of Virginia City. Next car they hope th reach sout dors is be completed in the third year. Of course much addition ult of the expedition can be fully published but everything of immédiate practical va he, especially with reference to the con-
truction of the Central Pacific Railroad will be, as we understand it, at once made
An accurate map of the region is the firs
 may be consistent with accuracy. It is ex
eedingly important, also, to ascertain nch quality and in such quantities as to b a dependence for the coming locomotive
The position of water supplies in that de Sert basin is another most important topic
of inquiry. So, also, the possibilities o agriculture need investigation. The geolothe country will constantly be examined
In short, to examine and describe the geolo rical structure, the geographical conditions and natural resources of the country wil
be the aim in view.-The Nation.
qhiturtistments.




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