Thr fitessenger Gimanar.


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| SCIENCE. |
| :---: |
| Blazing suns. - The prophetic pis-- | ture in Scripture of a day when " the

bearens shall pass away with a great ooise, and the elements melt with ferven eat, the earth also, and the works therein shall be burned up" has re cently received a striking illustration. possibly verincation. A brints appearance suddenly in the constellation of
the Swan. Previous surveys of the heavens have been so thorough and accurate as entirely to preclude the idea
that this star could have previously existed in its then apparent size and
escapeed poservation. Examinations with the spectroscope have led astronosun like our own, which for some unexplained reason, suddenly blazed up with several hundred times its former
lustre, and with a degree of heat which lustre, and with a degree of heat which
must have consumed its own planetary must have consumed is own planetary
system, if it were the centre of one. We speak of this as a recent phenome-
on; but though only recently on; but though only recenty seen, the light of this conflagration having taken that length of time to travel from the burning system to our own. Of
course this does not prove that a similar catastrophe will bring the world's drama to a tragic end ; indeed, thus far these blazing suns have not been dis-
covered in our region of the heavens but it at least illustrates the Biblical prophecies concerning the world's future destruction.-Christian Union.
SUGAR FRom COBN.-The Chicago Tribune says :-The manufacture of sugar out of ordinary corn is an industry
that needs no encouragement to enable it to become a source of great nationa vealth. It needs simply the removal o been shown a specimen of raw sugar It is white and very sweet Trom corn the manufacture into pure, granulated sugar, alcohol must be used to remove crude product. A bushel of corn yield thirty pounds of raw sugar, and this when purified by alcohol, gives twenty seven pounds of good sugar, market ble al four cents a poun. In other would bring $\$ 1.08$.

An idle Iowa farmer amused himse the other day by counting the seed in
a millet head. He found 12,069 in all.

VABIETIES.
Some one observing, in a time of publie calamity and danger, that the the churches as they had not done be fore, said: "It reminds one of the old Scotch lady at sea in a storm, who
asked the captain what the chances were. "Madam," said the seaman, "Ech, sirs, an' has it come to tho ? cried the frightened dame.

From the following paragraph one would think there is an intention to
raise tall students out in Wisconsin An exchange paper says: "Its board of education has resolved to erect a building large enough to accommodate
five hundred students three stories high."
A German florist, in high state of
irritation, said: "I have so much irritation, said: "I have so much drouble mit de ladies ven dey come to
buy mine rose. Dey vants him hardy, dey vants him doubles, dey vants him fragrand, dey wants him nice golor, dey vants ebery dings in von rose. I hopes I am now vat you calls von uncallant man. But I have somedimes to say to
dat ladies: ' Madame, I never often see the ladies dat vas beautiful, dat vas
rich dat vas good-temper, dat va youngs, dat vas clever, dat vas perfec tion, in von ladies. I see her much
not!"

The following marriage notice recent y appeared in-an English newspaper
Flower - Pott- At Hammersmith Frederick Flower, Esq., of Notting ter of J. Pott, auctioneer, Deal
"Men are like hymns," remarks an short-metre men, sharp,blunt and hasty there are long-metre, slow, weighty and dignified ; there are hallelujah-metre men, mercurial, fervent and inspiring gentle, genial, and delightful. There

AGRICULTURE. dispute the desirability of underdraining wet lands, although the reasons why
tile draining answers a better purpose tile draining answers a better purpose
han surface or open ditch draining are not so obvious to the ordinary observer. explains the matter
Free access of atmospheric air to
every part of the soil is of the utmost importance. The air assists in the various processes of docomposition, by
which dead animal and vegetable matter which dead animal and vegetable matter value as elements of the food of plants. If the soil is full of water, of course the
air cannot get into the soil to perform air cannot get into the soil to perform
this office. Hence, drains by drawing off the water beneath, give the air free admission to the soil, and each shower of rain, by displacing the air already present and then falling through the soil running away in the drains, renewing the supply of fresh air. In this way drains are of the greatest benefit.
Drains actually diminish the loss of plant food by washing away. Stagnant water is injurious to the roots of plants. They will not grow in it. Draining removes this, and hence the plants send down their roots deeper. Oonsequently the capability of absorbing nourishment is greatly increased. It is this increased depth of the roots in well drained soi which render the crops growing on them less liable to
suffer from drouth than those on imperfectly drained land.
Although rain, washing the surface and running off by open channels, may considerable quantity of nutritive matter, the water which sinks into the land carries these nutritive substances deepe down into the soil and deposits them in he lower portions where these roots can eize and absorb these soluable mat cers. Draining causes the rain to pass hrough a considerable thickness of soil less loss of nutritive matter than is occasioned by rain washing soil as it doe in underdrained lands, carrying off to the streams and rivers much of the valuable nutritive matter that abounds on the surface.

## BUCKWHEAT FOR ORCHARDS.-

 Buckwheat is found to be just the thing or growing in orchards. The dense ground light and friable, and this tening under the green buckwheat at leas ing under the green buckwheat at leastonce a year. If the orchard is old, it is as well not to try to grow buckwheat
but keep a succession of growths through but keep a succession of growths through
the year to be turned under when in blossom. Buckwheat is usually cheap, and needs only half a bushel per acre
for seed. If allowed to ripen a crop or seed. If allowed to ripen a crop
ocasionally, what is accidentally scaterred will furnish sufficient seeding. This is the cheapest mode of keeping large orchards in good condition, as the grand requisite is to keep the soil, especially the surace soil, loose. Clover
injures the growth of young trees, and to takes two years to get a crop ready to plow under. Another advantage of aged, it becomes an aid in gighting the codling moth. If the trees are kept smooth and no chance for a lodgewill hide worm on the trunk, many wheat. Ploughing the ground before winter sets in destroys the enemy, as
it winters in the pupa state, and can it winters in the pupa state, and can-
not live in contact with moist earth Where all the loose stuff, weeds and rubbish are ploughed under just before
freezing, thousands of the codling moths are destroyed, thus greatly lessening the evil the following season.

Irrigation.-The Valley of the Po mbracing Piedmont and Lombardy, i agricul!nral authority estimates the irrigation surface at $1,000,000$ acres. The increase on the rental produced by irri150,000 a year. The length of canals of irrigation in Lombardy, including the great lines and their first-cla ranches, exceeds 4,500 mile

The present winter in Great Britain is remarkable for unusual symptoms of early vegetation; and this is still mor ricts the season appears, by all reports to be several weeks in advance.

The London Farmer reports that Lord Skelinersdale has refused a bona
fide offer of 821,000 for the Duchess portion of his herd.

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 Chester-Rev. I. J. Skinner.
Clement-Jas. J . Potter, Esq.
Cornwalise J. E. Lockwood.

 Igby Joggins-Wm. Ay mard, Rers.
igby. Neck Rovy . J. C. Morse.
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Granille-Jose D. Halfyara.
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Hantsport-C. J. Margeson, Esq., M. D.


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N Nectarx -W. W. D. Morsk., Wm. H
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Pugwasb-Angus McDonnell.
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