TELE DE MONTHE INSECT WORLD; I VIE SEIN

THE GALL INSECTS.—We may all have noapppearance, upon the stems of the wild dog- the highest level of the water during the inun- being made acquainted with the result of the which we transfer to our columns for the benby an insect named a Gall-fly, as a place where- of the Nile in Nubia has been excavated to a a swamp, and kept him there during his mi- possess land subject to drought. The use of in to deposit her eggs. There the larvæ live and pass the winter, sheltered by the mossy and pass the winter, sheltered by the mossy covering of the gall-nut from the intense cold geological features of the Nile Valley in Nu-most of our farmers thought that land that weather protect land from drought by conof that season, when the hedges are bare of bia, noticing the power of the stream and the could not be ploughed, could not be improved. densing the atmosphere upon their surface, in leaves, and could therefore afford them but hardness of its bed-including the volume. Some pieces of meadow land, of shallow consequence of being of a lower temperature. little shelter.

of their scaly appearance. The overlapping lengthened consideration of these important two years only; for, although they were suffiscales of these are intended, also, as a protection against the cold.

with a smoother bark than that upon which

they grow.

berries on the leaves of the oak. The galls of the oak, called oak-apples, are also formed

by a species of Gall-fly. Many species of Aphis, or "blight," produce partial galls or cells on the leaves of

of current and raspberry bushes. SPIDERS.—The Gossamer-spider it is which forms those minute threads, or webs, that sometimes spread over the ground, in autumn, in numerous filmy flakes. These insects may frequently be seen throwing out their webs, upon which they are lightly borne upwards into the air. Upon this line, or streamer, they are carried rapidly aloft and sometimes disappear in an instant. It is supposed that it is in search of minute insects, found only The man of the house returned from the forest take their flight. The appearance of the Gos- milk, which he had been engaged since dayperiod the stubble ground may sometimes be quantity of milk, he said, would suffice for ten

The Diadem-spider, or Garden-spider, is quantity every morning for several months. the most beautiful of its kind. The web is

seeming bubble bursts apart when touched, species of palm nut, and which so filled the and the alarmed insects scatter themselves in but that we could scarcely see the inmates.semble, they do so, and group together, as be- the United States and were smeared with clay

The shepherd-spiders are found in the lat- a long stick, serving as a handle. ter part of the summer; when they are seen The last was dipped into the milk and immeresting upon palings and other places, and are diately held over the smoke, which, without easily recognized by their long, thin legs .- much discoloring, dried the surface at once. Some call them "Harvest-men."

hunt their prey. The Zebra-marked Spider, sufficient thickness, care being taken to give as well as some others, does this; and when a greater number of coatings to the bottom. ways upon its victim. Others wait in ambush the last to placing the finished shoe in the sun, for their prey; concealing themselves in rolled required less than five minutes. The shoe even in the bells of flowers.

Besides these, there is the Diving-spider, it became of a reddish brown. This species dives under water in search of it pass the winter.

of pools, in pursuit of food.

London Geological Society, April 10.

Sir C. Lyell, President, in the chair. The following communication was read :- "Observations on the Discovery, by Professor Lepsius, of Sculptured Marks on Rocks in fortresses which were built by Sesuatesen, predecessor of Mæris, on the banks of the Nile at Semne in Nubia,—and having referred to the hypothesis proposed by Professor Lepsius in explanation of the great difference (26). The heighbors in the leighbors is less practiced in our dwarf in the leighbors. The heighbors is less practiced in our dwarf in the leighbors. The heighbors is less practiced in our dwarf in the leighbors. We have seen occasional notices of it in the dairy have seen occasional notices of it in the dairy have seen occasional notices of it in the dairy have seen occasional notices of it in the dairy have seen occasional notices of it in the dairy have seen occasional notices of the spirit-lamp. Sprinkle districts of New York: but we think it worthy himself. The son, however, having succeeded the attention of the two classes to whom we a few scarlet flowers beside it, and they will appear blue.

ticed the excresence or ball, of a red mossy cated by the uppermost of the markings, and assist in harvesting the crop. His father, on cultural journal the following wise remarks, rose. This is called a gall; and is formed dations of the present day, viz., that the bed experiment, sent one of his younger sons into efit of such of our agricultural readers as may Another species produce those singular- of inclination, and the lithological character the hard pan beneath, were cultivated, and drought, and stony lands suffer less from looking galls called artichoke galls, because of the rocks over which it passes. After a made productive of rich grasses, for one or drought than lands free from stone; the differconditions, the author arrived at the conclu-ciently ditched, to take the water from the soil Clay is very useful on sandy land; it retains channel north of Semme, the site of these an- the water so long before it found its way to the to its warmth and fertility. Farmers would the branches of that tree. They are covered cient Nilometric markings, could not have drains, rendering the earth at the bottom of the be great gainers in the increase of the prowhich are found in the form of small round served, would be either the wearing away of a by using the subsoil plough, breaking up and soil, attracts moisture, and will be found to process requiring too long a period, or the ex- ing may be facilitated. rier, formed perhaps by a landslip of the banks, mud or peat is from two to ten feet in depth, for the young. They may often be found on again been washed away :- but of the exist- tion, than those of a shallow soil; as, by sink- out, dried and mixed with clay, salt and lime, the leaves of the black poplar and mountain ence of any such contraction of the channel ing the ditches to a proper depth, they may in suitable proportions, and thrown upon the ash. We often meet with them on the leaves where such a barrier was possible, the author easily be made as dry as may be desirable for surrounding dry land, it will be found a most cluded by observing, that the conditions at- These lands of deep soil are mostly incapable visit Nubia .- London Athenaum, April 27.

Manufacture of India Rubber.

Here we saw the manufacture of rubber .samer in the air and on the ground is gene- light in collecting from 120 trees, that had will strengthen the surface, and aid the grass rally after the season of corn harvest. At that been tapped upon the previous morning. This in getting root. seen literally covered with their filmy threads, pairs of shoes, and he could collect the same

The trees do not usually grow thickly, and constructed with the greatest regularity and such a number may require a circuit of seveaccount the name of the Geometric Spider. were the artists, in a little thatched hut, which Towards the end of summer, clusters of the had no opening but the door. From an ineggs of the Diadem-spider may be seen on verted water jar, the bottom of which had been bushes and hedges. When hatched, the young broken out for the purpose, issued a column to prevent adhesion. In the leg of each was

It was then re-dipped, and the process was re-Some Spiders, instead of weaving webs, peated a dozen times, until the shoe was of within a convenient distance, springs side- The whole operation, from the smearing of the liquid, but in the course of a few hours,

After an exposure of twenty-four hours it is dwelling, or air-filled diving bell, attached by That is done by the girls, with small sticks of of from ten to twelve vientens, or cents, per pair .- Edward's Voyage up the Amazon.

The Farm.

RECLAIMING WET MEADOWS.

at a Higher Level than in modern times."— by reclaiming wet meadows, and carrying on gers incident to breeding are avoided. 4. the sumes of sulphur until the color faded by L. Horner. Esq. The author, having gito our dry gravel lands, what was taken from The disposition to fatten is increased, even completely away: the flowers were then sealed ven Professor Lepsius's account of the position and character of certain hieroglyphics registering the heights of the river floods, sculptured in the time of Amenemba the Third piece of sunken meadow and swamp land, by in a state fit for the market. 5. When fatten- ment, dipped in water, and carried into ball (Mœris) about 2200 years B. C., on the face draining, and wheeling on gravel and sand, ed, the meat is of a superior quality.

This operation is less practiced in our own their fair owners.

ft. 8 in. English) apparent between the highest and foxtail, on two acres, called upon a son ancient level of the water of the Nile, as indi- of one who had ridiculed the undertaking, to

and velocity of the river, its depth and degree soil, where the plough would run to or near to, Rocky, mountainous lands never suffer from sion that any wearing away of the bed of the above the hard pan, the subsoil would retain the moisture,—and sand on clayey land adds only hypothesies that in the author's opinion natural grasses in two or three years, unless sandy land, and plowing it in, and vice versa. could meet the requirements of the facts ob- it was constantly warmed with manure. But Salt, mixed with clay, and thrown upon dry reef or barrier at the place in question, -a loosening the soil to a greater depth, the drain- a certain extent very useful. In many sec-

istence at some distant period of a dam or bar- Our wet meadows and swamps, where the stated there is as yet no evidence; and he con- the growth of grain, vegetables and grasses. useful and valuable manure. tending these markings, at present so enig- of being ploughed at the commencement of matical, offer an interesting problem to any improvement, and it is bad policy so to do, geologist, well versed in the questions of phy- where they will admit of it. The most econosical structure involved, who may hereafter mical mode to be adopted, as far as my experience enables me to speak, is to clear the surface of grasses and bushes, and cover with lon of boiling water, put four table spoonsfull sand or gravel, sufficient to kill the native growth of vegetation; then manure, and sow with rye and grass, if in the autumn, or with at some height in the air, that these spiders about noon, bringing in about two gallons of oats and grass, if in the spring or summer; for if the grain fails, the roots of the rye or oats

These lands, improved in manner aforesaid without ploughing, continue productive with- our agricultural readers to adopt it the present out any additional expense, much longer than year, we extract the following from a recent those which have been ploughed; the decom-number of the Cultivator :- "Last year I position of the original growth, which has been planted five acres of corn. I struck it, lined constructed with the greatest regularity and such a number may require a circuit of seve-precision: so much so, that it bears on that ral miles. In making the shoes, two girls for the cultivated grasses. By an experiment bottles, my man of straw and two flags; all I made some twenty years since, by the above this was done as soon as I planted it, but did mode, on one acre, I obtained good crops of no good; the crows came, pulled up about hay for eight years in succession, without any twenty hills the first day, sixty the next, one all keep together, huddled up in a ball. This of dense, white smoke, from the burning of a dressing; the ninth season, the crop was some-hundred the next day, and it seemed as if they what less than a ton; it was then ploughed in would take all my corn. I thought then that the fall of that year, and planted the first day I would try an experiment. I carried into my all directions. As soon as they can re-as- The lasts used were of wood, exported from of the following June. The sand and peat had corn field from my door yard, all my small become well mixed, was very mellow and chips, old shoes and woollen rags, and a lot of easy to till. The acre produced fifty bushels combustible stuff; made two heaps, covered of corn-having one row of potatoes around them over with sods and put fire to them, and the margin. The next year, it produced this had the desired effect; no crows troubled about forty bushels of barley.—Hon. Asa I Newhall's Address at the last Fair of the

Essex Agricultural Society.

Spayed Cows and Constant Milk.

up leaves, holes in walls, crevices of bark, or was now of a slightly more yellowish hue than milk every day for a number of years? This change the water every morning, to remove object may be secured by spaying them, a sur- every decayed leaf as soon as it appears, cutfood. The little divers reside in a filmy figured, as we see upon the imported shoes. description of it, we must refer our readers to powdered soda or saltpetre, thrown into the treatises on veterinary surgery. The effects water, will keep them a fortnight. threads to plants. This they close up, and in hard wood, or the needle-like spines of some of the operation are similar to those of castraof the palms. Stamping has been tried, but tion upon the other sex. Spayed heifers bring Others, of similar habits, skim the surface without success. The shoe is now cut from forth no calves. Spaying, says M. Morin, in the last, and is ready for sale, bringing a price his veterinary surgery, induces permanency over the flame of a sulphur match, and whatof milk, increase of quantity and improvement ever part the fumes touch will become pale or of quality; richer, more butter, superior color, white, so that out of a red rose you can form a finer taste and flavor.

dering permanent the secretion of milk, and Towards the close of the season they picked a the Nile Valley in Nubia, indicating that It is only about half a century since the first having a much greater quantity. 2. The number of the finest roses, taking care that within the Historical Period the River flowed efforts were made to increase our crops of hay quality of the milk is improved. 3. The danthey were quite dry; they then held them over the first having a much greater quantity. 2. The number of the finest roses, taking care that within the Historical Period the River flowed efforts were made to increase our crops of hay quality of the milk is improved. 3. The dan-It is only about half a century since the first having a much greater quantity. 2. The number of the finest roses, taking care that

DROUGHT.

On this subject, we lately read in an agritaken place within the Historical period. The roots of the grass so cold, as to re-produce the ducts of their lands, by carting clay upon tions of the United States dry lands are found with swamps and bog meadows interspersed; these swamps and meadows have been accuat some narrow gorge in the river's track be- if capable of being drained at a reasonable ex- mulating the wash of these lands for ages, relow Semne, which in the course of time had pense, are of much greater value for reclama- taining it in a cold wet state. If this is taken

Preserve your Corn from the Crows.

In a recent number we described a method of doing this, which many have found successful. The substance of the article is contained in the following prescription: "Into one galof tar. Put into this solution six quarts of corn which you intend for planting. Stir the whole till it is mixed, not exceeding two minutes. Draw off the water, and mix with the corn one pint of plaster of Paris, stirring it till the plaster adheres to the kernels." As this mode can be adopted only before the corn is planted, and as it may be too late for many of me afterward."

How to Preserve Cut Flowers.

Mrs. Loudon thus addresses a class of her fair countrywomen: -As you are fond of With farmers who raise milk for the market, flowers in the room, you will, perhaps, be glad and gentlemen who keep but one cow to sup- to know how, to preserve cut flowers as long ply their own family with milk, the inquiry is as possible. The most simple rules are, not important. How can cows be made to give to put too many flowers into one glass, to gical operation which it is not proper in this ting off the tip of the stems occasionall as soon connection fully to set forth. For a minute as they show any symptoms of decay. A little

Fireside Amusements.

THE CHANGEABLE Rose.—Hold a red rose white rose. I have heard of young ladies Stevens' book of the farm thus sums up the keeping flowers in this way from summer till advantages of spaying milch cows. 1. Ren-the season of winter gayety with success. rooms nestling in the hair or on the bosoms of