DESERET NEWS. THE

NEVER SATISFIED.

"Only a housemaid!" She looked from the indicated above. - Philadelphia Press. kitchen-

Neat was the kitchen and tidy was she; There at the window a seamstress sat stitch-

ing:

322

"Were I a seamstress how happy I'd be!"

'Only a Queenl' She looked over the waters-

Fair was her kingdom and mighty was she;

There sat an Empress, with Queens for her daughters;

"Were I an Empress, how happy I'd be!"

Still the old frailty they all of them trip in! time until it begins its cocoon it Eve in her daughters is ever the same. Give her an Eden, she sighs for a pippin; Give her an empire, she pines for a name.

LITTLE BY LITTLE.

"Little by little!" the torrent said, As it swept along its narrow bed, Chafing in wrath and pride. "Little by little" and "day by day," And with every wave it bore away A grain of sand from the banks which | ly raising its head as if to reach lay

Like granite walls on either side.

It came again, and the rushing tide

to the east end; then back again to When to Cut Grass, Clover, etc., is a distinct measurement of the 100-ton guns intended for the Italthe west end and take up the route for Hay.

Farmer says-

I have lately observed several arfor forage purposes; some giving a certain day of the month as the result of their experience. Most of these articles are opinions, as the result of observations and experience. But I have not seen any based on chemico vegetable reasons -the true basis on which can rest with safety all agricultural operations.

All valuable plants used as fodder, contain in a state of solution the acqueous solvent. This evaporation is called curing, and if properly done retains all the nutritious elements and removes the water; while the amount of these substances retained, the nutritious matters, constitute the real value of the fodder.

Seeing this is the state of things, then, the best time to cut these plants undoubtedly is at the time that they contain these substances in the greatest abundance, wholiy regardless of the day of either the month or the week. It is a well established fact in botany that the same plant contains, at different stages of its growth, different quan tities of sap, and of varied chemical qualities, and of course the nutritious matters obey the same universal law. A law, too, of equal universality; plants grow as long as they live, and during this period of growth, if healthy, there is a uniformity in their sap, both in quantity and quality, but at different periods arise great changes in both. Thus when they begin to make preparations for fructification, by the gradual formation of floral envelopes for the protection of the delicate organs of procreation, then a destined change ensues in the chemical constitution of the sap. Soon after the seed has reached its embryotic state the flower not being of any further use to the plant's well being, loses its vitality and drops off At this change the plant's sap undergoes another change. Its nutritious matters are ueeded, and the whole energies of the plant, and everything available in it, is called into requisition towards the perfection of the seed, the chief object of its existence. So much so is this action and its energies required that in many plants it is attained by complete exhaustion and death of the whole plant except its seed. This is the case with all annuals. In herbaceous perennials, as in most of our grasses, this takes place with every part but that which remains under ground, which remains there to recuperate by rest until the following year. If it is desired to cut plants to secure the largest per centage of sap charged with the greatest amount of nutritious matters, then they ought to be cut, as near as can be, at the time that the flower is dropping off, irrespective of the These principles apply to all our

velocity with which the shot flies ian navy. The rifling of the first on its way, as also of the pressure of these enormous weapons is A correspondent of the Ohio which the exploded powder exerts going steadily forward, but is necesin the gun. A pressure of twenty- sarily a long process. In a few two or twenty-three tons on the weeks we may expect to hear that ticles on the best time to cut clever square inch is not readily to be the huge piece is on its way to comprehended. If a bar of iron an Spezzia on board the large Italian inch square were to be placed so as transport-the Europa. The length to rest upright on an iron plate, of this gun is thirty-two feet, with this bar would have to be contin- a diameter of six feet and a half, ued upwards for nearly two miles the caliber being seventeen inches, and three-quarters before its entire and the rifling uniform, on the length exercised a pressure of polygroove system. The projectile twenty-two tons on the square is to weigh 2,000 pounds, and will way of looking at the fact, which is der. An immense pontoon has 4,000 tons.

with a piston like a steam cylinder, fired in turrets, very little room will and were placed with its muzzle be allowed for their recoil. The hyupwards in a vertical position. it draulic presses which are to receive would be capable-so far as mere the shock will, we believe, only alforce is concerned-of lifting such a low the gun to recede something vessel as the Rover (an iron cor. like two feet. The strain must be vette) completely out of the water, tremendous, and there is obviously the ship having all her engines, as much need to prove the machiguns, stores and men on board. nery as the gun. Concerning the Pretty nearly the same thing could qualities of the gun, there can be be done with the Royal Adeluide. no doubt that they will be such as The Pallas could be readily lifted to sustain the reputation which Sir after the same fashion, supposing | W. Armstrong has long possessed the power could be brought to bear. as an artillerist. The relative mer-Or the entire armor of the Inflexi- its of the Woolwich and the Elsble, weighing 3552 tons, could be wick monsters will be a matter of heaved upwards. Two of the 81 some interest, but the real contest ton guns could very nearly lift the is with the Krupp. For the pre-Hercules, with all her weights on sent we cannot see that Essen is board. Three of these guns could gaining any victory, or is doing lift the Inflexible herself, with her anything more than producing good full load. Hence, we may say that guns at a great cost. For safety nothe four guns which this ship will thing can compete with the guns carry are capable of running away | that are produced at Woolwich and with her, big and weighty as she Elswick, and unquestionably this may be. Of course our guns are in- is a consideration to which great tended not merely to look big and weight must be attached. The make a noise, but to perform cer- breech-loading question is losing its tain work whenever it may be re- importance daily, though considerquired. against an armed target has not Standard, yet been practically demonstrated. but some important results have been achieved with the gun which, so far as Woolwich is concerned, come next below it in magnitude, and to these we would invite attention. Thas, as a matter of fact, the 38-ton gun has sent its projec tile through the following combination: A 12-inch plate, an 8 inch plate, six inches of teak, and two inches into a five inch plate, oraltogether more than twenty inches of iron and six of teak. In another instance the projectile was sent through a target built up in ington Square, New York. The the following manner: A 4 inch estimated cost is \$15,000,000, and plate, an 8-inch plate, six inches of teak, a 5-inch plate, six inches of teak, and an inner skin with angle irons, making altogether 181 inches of iron and 12 inches of teak. Granting that this was done at close quarters, still it is a wonderful performance for a gun of 38 tons weight. All that Herr Krupp has done towards piercing the armor of the Inflexible has been to send a projectile through 18 inches of iron and six of teak. This was certainly effected at a range of more than a mile; but on the other hand the Krupp gun weighed 56 tons, or half as much more as the Woolwich gun to which we have just referred. An attempt has been made to show that the Krupp gun of 56 tons is superior to the Fraser gun of \$1 tons, but this view was evidently based on an erroneous assumption. The Krupp gun has developed an energy of rather less than 22,000 tons, whereas the 81 ton gun has very nearly reached 25,000 tons, and will in all probability, considerably exceed that point before the experiments are at an end. The novel expedient of enlarging the powder chamber of the big muzzle-

June 21

inch of plate. There is another be propelled by 300 pounds of powworth notice. Taking the pressure been designed by Sir W. Armof the powder gas as between strong's firm, and will be used for in their sap certain nutritious sub- twenty-two and twenty three tons floating and firing the gun in Italstances which are very desirable to on the square inch, the base of the ian waters. The arrangements are retain in the hay after grazing off projectile in the 15-inch gun will such as to test not only the gun, receive a total pressure of nearly but also the hydraulic machinery provided for working it. As the Accordingly if the gun was fitted guns, when on board ship, will be able efforts are made to press it on What the 81-ton gun can do the notice of the public.-London

Covered the valley far and wide, For the mighty banks were gone. A grain at a time they were swept away: And now the fields and meadows lay Under the waves, for the work was done.

"Little by little," the tempter said, As a dark and cunning snare he spread For the young, unwary feet. "Little by little" and "day by day" I'll tempt the careless soul astray, Into the broad and flowery way, Until the ruin is made complete.

"Little by little," sure and slow, We fashion our future of bliss or woe As the present passes away. Our feet are climbing the stairway bright, Up to the regions of endless light, Or gliding downward into the night; "Little by little" and "day by day."

How to Visit the Centennial.

SUGGESTIONS TO STRANGERS-WHAT CAN BE ACCOMPLISHED IN A SINGLE DAY.

The French phrase, "Embarras de richess," is the one that applies to the difficulty that confronts visitors on their entrance within the Centennial. It has, therefore, been four inches in diameter, and then thought while to plan out a tour or pressed longitudinally so as to route that will enable a person to make a bulge in the centre of the see the most within a visit of one bunch, is about the best plan for day. Enter the Main building at this country, as it can be obtained the east door of the grand central everywhere, and the worms seem aisle. Go at once up stairs to the to like it as well as anything. Massachusetts Educational depart- has this advantage, that the coment, which is the gallery over- coons are easily gathered from it, head of the entrance. From this and with very little loss of floss silk gallery a grand vesta is obtained -no dirt adhering to the cocoons. of the main hall. Pass down the main aisle to the middle of the answers the purpose well, as the building, where the central tran- worms seem to like it. Slats, or sept crosses, and the visitor will lath arranged about three-quarters have gone through the end devoted of an inch apart, standing on end, to the United States. Then pass and fastened together, have been out the right hand door and through used in this Territery, to good ad-Memorial hall and thence to the vantage. But as this last mode is art annex. Retrace the course and somewhat expensive, the new become back again to the Main build- ginner had better use oak-brush or ing, walk up to the top of one of other material having good foliage the towers of the Main hall, and and easy of acess.] there can be had a general view of the geography of the grounds. cocoon, it must not in any manner Coming down again proceed to be disturbed, and if allowed to prothe end of the Main hall, passing, ceed unmolested it will finish in during this walk, the displays made from three to five days. In from by foreign nations. Pass now to six to eight days after the cocoons Machinery hall and walk to the are formed they should be gathered, centre to the Corliss engine; then and all, except those selected for to the large tank, and, returning hatching, must be exposed for three again to the long lines of Machin- or four days to the direct rays of the ery hall, proceed to the end of it sup, to kill the chrysalis within. and go out the west door. Go up It will be well to expose them by the Catholic fountain to the longer so as to be sure to complete-Japanese building, and pass to the ly dry up or evaporate the fluids or has a state building, inquire for it, otherwise there is danger of injurand visit the state agent. Then go ing the silk, by staining it with the to the United States Government putrid matter of the decaying building, thence to the Woman's chrysalis. It is also important that building, thence to the Agricul- this chrysalis be thoroughly dried, tural building, thence to the Hor- to prevent the bad smell that would do best to enter at the Belmont dollars worth of cocoons. gate and enter the west end of the Main hall, and go eastward to the rial hall into the art annex; back servant sirlinto your own service, A serto the main hall of the tower; then cancistores up water-for future use.

all at this time it does so daintily as if feeding on dessert. These signs admonish the keeper to prepare for a harvest if not a golden. certainly a silken harvest. At this stage the worm begins to hunt some nook or corner out of sight, in which to wind its body in a silken shroud, and the sooner it can find a suitable place to suspend or fasten its cocoon the more perfect and complete that cocoon will

SERICULTURE.

(CONTINUED).

SPINNING COCOONS.

or four days of its spinning time it

has acquired its greatest size and

most ravenous appetite and for-

midable appearance. From this

seems to lose its appetite and di-

minish in size and weight. It also

from that time gradually changes

its color from a rank greenish white

to a light pearly yellow, and gene-

rally to assume the appearance of

maturity. The last three or four

hours before going to spinning it

becomes in a degree translucent,

and its skin about the neck be-

comes somewhat wrinkled. It be-

comes restless and uneasy, frequent-

something; and if it eats at

When the worm is within three

be made, and the more valuable will be the harvest to be gathered. Hence it is very important that good provision be promptly supplied in which the worms can all spin their cocoons. Many plans for this purpose have been invented. The best-or such as combine the qualities of economy, cleanliness and adaption to the seeming fancy or real wants of the worm-should be adopted. Common wild mustard, cut just before the maturity of the seed, and the branches brought together and tied at the top, and laid between or set up inside the pews of branches upon which the worms have been feeding, is very good. Also boughs of willow, or any other small and bushy twigs, similarly prepared, may be used; but clean wheat straw, cut off good length and tied up at each end, in bunches of three and Where oak-brush can be had it After the worm commences the



AMERICAN.

NEW YORK, 9. - The Hudson river Tunnel Co., who have been delayed for more than a year by an injunction, have again resumed operations at the shaft in Jersey City. The roadway under the river will be 5,400 feet long and twentyfive wide, the outlet to be at Wash-

BIG GUNS.

riving by the Reading railroad or cenced, or if the cocoons are to be mous forces thus set in operation. inches. When the gun appears in east entrance of the Main building remembered that mice will destroy productive of an explosion which and if the pressure does not prove on material points. CHICAGO, 10. their best starting point. Visitors the cocoons if not kept out of their might be expected to prove alto- too great we may see its present central transept, through Memo- Brooklyn Argus) to beguie your neighbor's made to rotate as it proceeds and is the projectile. Much interest at- gold dust.

upwards of \$10,000,000 in stock has already been subscribed, the principal parties to the enterprize being Californians. It is intended to com; lete the work in two years.

In the suit of Morris K. Jessup & Co., Drexel, Morgan & Co., Perkins, Livingston & Post and others vs. Thomas A. Scott, President of the Pennylvania Railroad, and others, for railroad iron supplied for the building of the Davenport and St. Paul Railroad, Judge Sanford, in the Superior Court this afternoon, gave a direct verdict for plaintiffs in \$306,206.37 in gold.

day of the month or the age of the SAN FRANCISCO. 9. - Warrants moon; then carefully removing the were issued to-day for the arrest of watery part by drying, recollecting Leland Stanford and E. H. Miller, that the contained nutritious mat-President and Secretary of the Centers are not volatile, but remain in tral Pacific, on complaint of J. R. the hay, which, when thus cured, Robinson, a stock holder of the afforda sweet, palatable, nutritious company, for refusing to exhibit fodder. certain accounts of the company. The facts in the case are, that in forage plants-clover, grass, etc., the examination of the books of the used as hay, and are not based on company now going on, in suits experience or observation, which, brought by Robinson and other taken alone, are neither always restockholders, the secretary was liable nor safe guides in agriculturasked to produce a certain report al operations, but on scientific prinmade by Stanford to the directors English cottages. If the visitor moist substances of the chrysalis, ciples, which, when perfectly of sundry expenditures. The secapplied, never mislead. retary produced the paper, loader is now being effected, and but refused to state the conin another month we may see some tents, and being asked if it yet higher results. 'The powder did net contain a statement The recent trials with the 81-ton chamber, we believe, will undergo of the amounts of money paid ticultural building. A stroll through otherwise be admitted from the co- gun, as described in our columns, an enlargement to the extent of to influence state and congressional the grounds towards the Main buil- coons when stored away, and also will have given our readers some one inch in its diameter, thus mak- legislation, declined to answer. A ding will show many structures to prevent their heating. If you idea of the power of modern artil- ing it sixteen inches, while the warrant, therefore was issued to devoted to specialties or built by are prepared to reel the cocoons at lery. Yet it is not easy to form an diameter of the bore where the shot compel the production, under the foreign governments. Visitors ar- home, this work may be now com- adequate conception of the enor- travels will still remain at fifteen State code governing corporations. The examination discloses great from the city by the Girard and sold, they are now ready for mar- The ignition of three barrels of this new form it will be capable of unwillingness on the part of the Market street cars will find the ket. But in any event it must be powder in the chamber of a gun is taking a larger charge of powder, secretary of the company to testify arriving by the Chestnut and Wal- reach. So fond are mice of the gether uncontrollable, but which is enormous cartridge entarged by an- The Times' Bismarek special says nut, Vine or Arch street cars, or chrysalis that one mouse in a very nevertheless employed to propel a other half barrel, so as to make up a train of twenty-seven wagons, by the Pennsylvania railroad, will short time will destroy hundreds of ponderous projectile along a rifled a total of 350 pounds of powder. under command of Don Stevenson, bore, the whole operation being Even if so high a point as this be arrived here last evening from the conducted with all the nicety of not reached, we may expect to see Deadwood mines for supplies. It's an advantage sometimes (says the scientific experiment. The shot is a material advance in the force of They brought in about \$15,000 in sent spinning out of the gun like a taches to the progress which is be-bullet from a soldier's rifle. There ing made at Elswick with the eight rived yesterday, and brought \$21,000