SERICULTURE .- CHAPTER 2.

THE SILK WORM.

are five different substances in the grees, this is effected by the increas- very interesting instructions. It row and self-reproach and the trace graced ancient Athens. Art and mulberry-first, the solid or fibrous; ing of the fire or reducing by open seems by the reports from the of tears on her cheeks. second, the coloring matter; third, water; fourth, saccahrine; fifth, resinous.

occur in which a greater weight of and finally of a tingy white. The the silk worm. "Thus the leaf of black worm, generally appears from the black mulberry, hard, harsh sun rise to 10 o'clock in the mornand tough, produces abundance of ing. It is important to keep each silk, the threads of which are very day's hatching by itself by gredients or materials for making purest and finest quality. The leaf ing, so as to be together through the of the same tree planted in damp season. Never should there be situations, in low grounds, or in two consecutive days of hatching stiff soil, produces less silk and of a put together, on account of their quality less pure and fine." The various stages of moulting. At less nutritive substance the leaf times they will travel far if kept contains, the more must be con- with food. The silkworm, if not sumed to complete its develop- properly attended to, is subject to ment; in consequence, the worm, disease. The congressional report from its fatigue by taking less nu- on the silkworm enumerates eight tritive substance, would be more causes of disease in them, viz: liable to disease than the worm of a more nutritive kind.

The same may be said of those leaves which contain sufficient nutritive matter, but of less resincus substances in this case the insects would thrive and grow, but probab- they are kept, arising from imperly would not produce either a thick or strong cocoon, proportionate to the weight of the worm.

State of leaves proper for feeding: All silk growers have recommended the feeding with dry leaves, or leaves free from both dew and rain; nothing is so obnoxious to the insect as wet leaves from either Count Dandols, one of the greatest experts on the silkworm, remarks: "These insects would be injured by eating leaves moist with either dew or rains;" p. 39. "The stripping of leaves should not be begun before the disappearance of the dews and | are kept. ought to be concluded before the setting of the sun; it is all import- | would be well to speak of the many ant to have always a supply of dry enemies to which the silkworm leaves." Count de Hazzi, p. 65-67 | sabjected. "The preservation of the health of silkworms depends essentially on should not be put near the wall, given to them. Wet leaves invari- be swept clean and kept free from ably produce a diarrhoea. - Manual cobwebs, as the spider in its earliest 1828, p. 128.

It would be needless to multiply try, and many other insects. authorities on this topic. The worst leaf that can be given to the silk worm, and which has always injured it, is that which is termed manner, and which arrives from the diseased state of the tree. The blighted or rust spotted leaves do not injure. The worm will eat this leaf, carefully avoiding the spots.

Preserving the leaves: Hence, to avoid these accidents and to supply a resource for many days, a since the woolen factory resumed stock should be always kept on operations. The factory whistle hand, sufficient for two or three began to blow again last Monday, graceful girl of mineteen, with a chief? You needn't shake your that community, and you can't get days, which may be kept without but some of the hands were work- queenly step and lustrous brown head at me, Mrs. Christopher. You prejudice in cold places, sheltered ing a few days previous. The En- eyes, at times aglow with fun and think an attempt at reformation a cup of coffee. - Ohio State Jourfrom the light but not too dry: such quirer says that, "Hearing again the laughter, tender with compassion, would be useless. But I tell you nat. as cellars, storehouses, back floors, lactory whistle is like welcoming or dreamy and doubting. Her that California girls have good, etc. They would lose their damp- the return of an old friend," and so young life fascinates and interests brave, generous souls under all the ness in too dry a place and not in it is. one too damp. They should not be The people of the Fourth Ward noble and gracious womanhood, concerted action of a very few of to promote fermentation.

Mode of gathering leaves: Count Nerrie recommends the passing of the hand from the lower The Sunday schools here are in a into a tragedy, as with so many ed army, resisting extravagance in part of the branch to the top and flourishing state, especially the young girls in these days. A few dress. Not to adopt any horrible to strip the tree of its leaves up- First Ward Sunday school, which mornings ago, as I sat in my little uncouth uniform-I do not mean wards and not down wards, as the numbers about 300 pupils and sitting room, engaged in the very that—but to resolve to dress in latter would injure the buds. This teachers. Great praise is due to wifely task of restoring absconding simple, inexpensive materials, and should be particularly enjoined on Bishop Johnson, who is the super- buttons to certain articles of Chris- wear for ornaments the beautiful barn bone and others who are the beautiful barn bone and others. children and others who are employed in picking. -By D. Graves.

SERICULTURE-CHAPTER 3.

ON HATCHING.

in hatching of eggs pursued at of the Utah Stake of Zion, was held e egantly dressed. She dropped eyes sparkled-"if every woman in Brooza, says Mr. Rhind, is "The last Saturday, in the large meeting down on a low hassock at my teet, San Francisco should set aside, for temperature of the chamber or co- house, which was well attended. and as I looked into the uprurned two years, the money she spends for coonery or any other place used for President Smoot and his counsel- lace, I saw not a trace of the em- needless finery, we could rear tem-On Feed for the worms: There | the purpose should be 63 to 64 de- ors and several of the bishops gave press there, but a woful look of sor- ples prouder than those which ing the windows, etc. This should wards that this Stake is increasing secutive days, and on the third day ly Conference of this Stake will be The fibrous substance, the color- to 66, fourth 68 and fifth 70, sixth held in the same place on the first ing matter and the water, except- 72, seventh 75, eighth 77, ninth 81, Saturday and Sunday in June. ing that which composes the body this goes to show that it is not mere | Preparations are being made to of the silk worm, cannot be said to precision that is here essential to hold a County Fair in September be nutritive to that insect. The success, but rather a gradual eleva- next. The presidency of the Stake Saccahrine matter is that which tion of temperature to that maxi- and the local priesthood are taking nourishes the insect, that enlarges mum of heat which a transition up the matter in earnest; a comit and forms its animal substance. from the egg to the larva requires mittee consisting of a delegate from The resinous substance is that when the eggs are carefully expos each ward in the county will meet which separating itself gradually ed to heat in the manner desired, on Saturday next in the meeting from the leaf, and attracted by the they will show signs of vitality house. animal organization, accumulates from the seventh to the ninth day. to itself and insensibly fills the two Count Dandolosays; "The following reservoirs and silk vessels which are the signs of the speedy viviperform the integral parts of the silk ation of the silk worm. The ash worm. Therefore the different pro- gray color of the eggs grows bluish, portions of elements which com- then purplish, it then again grows pose the leaf, follow that cases may grey with a cast of yellow, leaf may yield less that is useful to young larva resembles a small glass when I resided in England, I bring him to that?" for I had calls for a five cent plate of soup strong but coarse. The white mul- placing leaves over it. They berry leaf of the tree planted in may be easily separated from the you will publish the information high lands, exposed to cold, dry eggs and put upon the hurdles or communicated in this tote you will winds, and in light soil, produces a tables where meant to be raised confer an obligation on the underlarge quantity of strong silk of the and kept apart, if one day's hatch- signed.

> 1. Errors in the hatching of eggs in the treatment of very young worms.

> 2. Unwholesome air of the district in which they were bred.

3. Impurity in the air in which fect ventilation from the exhalation of the litter and foces of the worms, which have been permitted to accumulate.

4. Too close crowding, owing to which cause their spiracles or breathing orifices were vented. 5. The quantity and quality of

food. 6. Improper change of food.

7. Peculiar constitution of the air in certaid seasons, against which no precaution can avail.

8 Frequent changes of temperature in the room in which they

Before proceeding any further it

The hurdles or shelves or tables published by order of Congress in stages is very destructive; ants, mudwasps, mice birds, toads, poul-

Provo City Items.

PROVO CITY, May 9, 1878. Editors Deseret News:

Our city seems to be more lively

heaped up together too muc, so as are alive to their duties; they have and I pray God the blight may our acknowledged leaders, and already laid the foundation of a never touch it which will destroy some direct, plain talk-oh, that ! new meeting house, which they these generous in pulses in their had the elequence of a Cicero, to

intend to finish in a short time. intendent of this school, for his ac- topher's apparel, the door opened floral jewels that nature furnishes cating the children of this ward. was a rich brown silk, with trim- If ever the day comes when we can petrated last winter, but it never

BRUTUS.

How to Make Glass.

SPRINGVILLE, June 14th, 1878. Editors Deseret News:

Having been engaged in making flint glass, or any kind of glass. If

Best Flint Metal.

Sand, 336 lbs; lead, 224 lbs; ash, 112 lbs; nitre, 28 lbs; arsenic, 1 oz; manganese 250z.

Recipe No 2.

Sand, lead, ash, nitre, arsenic, borax, manganese.

Recipe No. 3.

Sand, lead, ash, manganese, antimony.

For furnaces and crucibles the best clay that can be found. Yours, &c.,

WILLIAM HARRISON.

Bloodless Operation.

LOGAN, May 11th, 1878.

Editors Deseret News:

stance of necrosis.

well.

Yours, very respectfully, JAMES A. LEISHMAN.

FOR THE LADIES.

A MORAL FOR EXTRAVAGANT

GIRLS.

[From the San Francisco Chronicle.]

me, for I see in it the promise of a glitter, and it would only take the dawn and convert the young life band us all together in a determintivity to assist in teaching and edu- and Clotilde came in. Her dress us all the year round in California.

be carefully maintained for two con- and doing well. The next Quarter- a bitter mistake," she cried. "I, save from ruin and shame many a and a thousand other girls in San poor man and woman in our city. Francisco like me, am daily bringing distress and misery into happy households, and driving struggling and worthy men to wreck and days of luxury, splendor, extravaruin."

"You, my dear? You must be wild to accuse yourself so bitterly."

"No, I am not wild, though I have just come from a scene that might well make me so. Oh, my friend! I have just seen poor Harry Maynard lying dead in his house that pretty little cottage he furnished for his bride not two years ago-the blood oozing from a wound in his head, and the pistol still clutched in his lifeless hand."

"Harry Maynard! What could were to publish the necessary in a favorite with all who knew him,

"I say we have done it, Mrs. Christopher. It is the work of the fashionable girls and women of San Francisco. Lucy Maynard was one of us before her marriage. Could she bear to be our inferior in cress after she had entered into the prouder estate of wifehood? Could her husband, with his loving, generous heart-you know how devoted to her he has always been-bear to see her mortified or discontented? Yet his salary was not sufficient to supply the silks and laces and jewels she craved. You know he has been for years the confidential clerk of V-Bros. The senior partner of the firm said to-day that they trusted him as they trusted themserves. He began eight months ago by appropriating small amounts, thinking he could replace them. Gradually the amounts grew larger, and finally, fearing discovery, he took a desperate step. Twenty thousand dollars came into his hands in advance of the time the remittance was expected by the firm, and he rashly invested it in A bloodless surgical operation stocks, thinking that inside of a was performed this forenoon by week he would have the money Dr. O. C. Ormsby, of this place, back in his hands doubled. The upon a 12 year old son of Mr. Jona- market fell instead of rising, and than Bower, of Providence. About this is the result! Oh, Mrs. Chrissix months ago the left leg of the topher, do you know last night was boy in question became affected our grandest ball of the season. At between the ankle and knee, caus- the last moment Harry complained found to be much diseased, and pro | somely attired than Mrs. Maynard. | nounced, in surgical parlance, an in- | She was radiant. Every one ob-The operation occupied one hour, o'clock this morning she returned ladle." the leaves being perfectly dry when and the walls of the rooms should and was entirely satisfactory to the home to find that her splender had practitioner and those who assisted been purchased at the cost of the and witnessed it. The patient was life dearest to her on earth. He ing to much," the old darkey said. under the influence of chloroform, left behind him one pathetic note "If any ob you know ob any church and later in the day was doing of farewell, in which he takes all w'at died ob liberality, jest tell me the blame upon himself, and ab- whar it is, an' I will make a pilsolves her from reproach. But she grimage to it, an' by de soft light sees at last the sin she has been liv- ob de pale moon I will crawl upon ing, and her despairing cries, her its moss-covered roof, an' write bitter self-reproach is ringing in my upon the topmost shingle, 'blessed brain. From this moment on am de dead who die in de Lord." she is a wretched, broker woman. It makes me despise, hate these

things," and she gave the silken girls devote our lives to something is always safer to be a few days late during the day.

The monthly Priesthood meeting | pedestal. Clotilde's lather is a caricatures in consequence. Why, which fell from the spect than a day too soon. The method | The monthly Priesthood meeting | wealthy banker, and she is always | Mrs. Christopher"—and Clotilde's | -Keokuk Constitution.

literature could be fostered, and "Oh, Mrs. Christopher, my life is industries be established that would But if we go on as we are going now"-and the girl's eyes drooped -"we shall fall like Naples in her gance and profligacy." MRS. CHRISTOPHER.

SHORT AND SHARP.

"My brethren," said Swift, in a sermon, "there are three sorts of pride-of birth, of riches and of talents. I shall not now speak of the latter, none of you being liable to that abominable vice."

Said a Genesee restaurant man this morning: "When a customer thought it would be serviceable to known him as a merry-hearted and pockets ten cents worth of the enterprising in our midst if I young fellow, the life of his set and tooth picks, I am satisfied that Carl Schurz can't make it too hot for the timber thieves."

> It may be observed that the young lady who wears a massive gold ring upon her first finger is more troubled about the set of her color than she whose hands are unadorned save by the marks of the needle.

> Dentist, to old lady about purchasing some false teeth: "For mastification, my dear madam, they can only be surpassed by nature herself." Old lady: "O laws, doctor! I don't care nothing about the mastification if I can only chaw with 'em."

> A Texan bride, after the conclusion of the marriage ceremony, gracefully stepped forward and requested the clergyman to give out the hymn:

This is the way I long have sought And mourned because I found it not.

"What would you call a model Sunday school?" asked the superintendent of a mal-content pupil, who had threatened to leave." Well, one where they pass around apple pie every Sunday, and don't have no lessons to learn. That's the hair pin of a Sunday school for

A witty young lady was once reing him great pain. Upon exami of a headache, and said he would marked to by a gentleman friend nation it was found necessary to cut not go, but insisted on sending of her acquaintance that "he out 51 inches of the bone, the up- Lucy off with a friend who had thought he must have been born per incision being made directly called to accompany them. There with a silver spoon in his mouth." below the knee joint; the bone was was not one on the floor more hand- she looked at him carefully and upon realizing the size of his mouth, replied: "I don't doubt it: served how well she looked. At 4 but it must have been a soup

"You need not be afraid ob giv-

It has just leaked out that in the northern part of the state the girls robe a vicious shake with her dan- have been boiling the clippings of tily-gloved hand. "Why don't we their toe nails in coffee, and giving it to the young men, with the hope better than this vain worship of of winning their affections, and My friend Clotilde is a slight, dress, that is doing so much mis- now toe nails are very scarce in a young man within half a mile of

> When a lover leaves the house of his adored one at a late hour in the evening, and walks musingly homeward beneath the twinkling stars, his fond fancy pictures her, clothed in white samite, resting sweetly upon her pillow, with her unbound hair tossed about her sleeping face, and angels bending over her couch, whispering heavenly dreams. Perhaps at that very monent, though, she is in the ham bone.

A policeman heard this joke per This school took an excursion to mings of a gold-brown shade, and accomplish this we shall have few- dawned upon his mind to tell it un-Little Caffon, about three miles the blended colors rippled and er absconding clerks, and stock- til to-day. "I'm traveling the south of the city, on the morning shimmered as she walked. A nut- brokers, and bankers, and our eyes Jericho road," mournfully said an of May day, and spent the day in brown plume on her hat dropped will no longer be tortured with the old bummer at the police court. picnicing. All the party, consist- down on her chestnut hair, and spectacle we now view on our "Yes," feelingly said Recorder Tay-The hatching should not be at- ing of about 350, were taken up to had it not been for the face with streets every day, of poor shop girls lor, "the Tom and Jerry Co. road," tempted until the leaves of the the mountain by teams; a bras its shell tints, I might have imag and apprentices attempting in their and the man could have made a mulberry are fully developed to band and string band accompanied ined her some young empress cast feeble way to imitate our dress, and respectable start in the ice business, promote an abundant foliage. It the school excursionists and played in bronze, stepped down from her becoming laughable, grotesque if he had picked up the frozen tears pedestal. Clotilde's lather is a caricatures in consequence. Why, which fell from the spectators' eyes;