

THINGS IN THE MAKING OF SILK

(By Frank Dorrance Hopley) Silk is the product of a little caterpillar, being the substance of which the cocoon is formed, in which it resides in its chrysalis state. The moth or the silk-worm is a quiet grayish moth, with no beauty to recommend it, its sole business appearing to be to lay the eggs which are to furnish the next crop of spinners. These eggs are about the size of a grain of mustard seed, and care has to be exerted in hot climates to see that they do not hatch before the time when their natural food is ready for them. The silkworm in its wild state feeds only on the leaves of the mulberry tree. In hatching eggs on a large scale, for silk manufacture, they are placed in a room, the temperature of which is gradually, until the tenth day, when it reaches 82 degrees. When the eggs turn whitish it is a sign that they are nearly ready to be hatched. Sheets of perforated paper, or pieces of clear muslin are placed over the eggs, and the little worms as they come out of their shells climb through the upper surface of the paper or muslin. Small twigs of mulberry are placed on the paper, and as the worms climb on to them they are carried away to the rearing house and other twigs are laid on. Little artificial hedges of twigs are formed on the shelves on which the worms are fed, and when they are quite ready and have no longer any inclination to eat, they climb among the twigs and seek a convenient place for forming their cocoons. They first spin thin, loose threads, and inside of these they form a hollow ball, firm and elastic, which can be unraveled into one continuous thread, varying in length from 300 to 600 yards. The emission of all this silk, which has been secreted in two spiral vessels contained in the stomach of the worm, greatly reduces its size, and when, at the end of three or four days, the cocoon is completed, it rests for a while. Then it changes its last caterpillar skin for the chrysalis form and would, if undisturbed, emerge in about 15 or 20 days, a moth. To reel the silk a little machine turned by hand is employed, which contains a large reel to form the skein of silk. This is usually about one yard in circumference, with a wheel which guides the thread to and fro in the same manner in which sewing cotton is wound on reels. Attached to this is a small boiler, about eighteen inches long and six inches deep, under which there is a small charcoal fire. Into this boiler the cocoons are thrown when the water is nearly boiling, and after a few minutes their gum is sufficiently softened for the loose filaments to float off. The reeler takes four or more of these in her hand and twisting them together they adhere by means of the softened gum, and when attached to the reel, are wound off as one thread. By this means their strength is greatly increased. When the thread from one cocoon breaks it is not necessary to tie a knot, the stickiness of the silk being sufficient to unite the ends. After reeling, the silk is sent to a

mill where it is worked.—The Dearborn Independent. ENEMIES OF CATTLE DIPPING HELP REPAIR DAMAGED VATS Wanton destruction of cattle-dipping vats in Echols County, Ga., early in the summer, interrupted systematic tick eradication there only temporarily, according to the United States Department of Agriculture. As events turned out, many persons who opposed the dipping of cattle are now engaged in repairing the vats and in building new ones so that their cattle can be dipped regularly and conveniently at points near their homes. Although the destruction of vats by a lawless element was given wide publicity throughout the country, records of the Department of Agriculture show that during the month of August practically all the vats in Echols County were dipped under Federal or State supervision. Most opposition to the eradication of cattle ticks results from unfamiliarity with the purpose and benefits of the work or from unwillingness to receive information on the subject. More than 15 years of experience in conducting systematic dipping has enabled the Department of Agriculture to meet all situations and opposition encountered up to the present time. The unusual educational work is generally combined with law enforcement is at times necessary. FOR CHILDREN'S BIRTHDAYS—A PURE-BRED PIG OR CALF In selecting birthday and Christmas gifts for children in rural communities, why not give a pure-bred pig, calf, or other animal? This is the suggestion of the United States Department of Agriculture, which, with the various States, is conducting the "Better Sires—Better Stock" campaign. A recent questionnaire study of the utility value of pure-bred live stock showed, among other results, that home influence is an important factor governing the breeding of superior domestic animals. In fact, it ranks in importance next to sales, fairs, and shows, taken collectively. When parents show their interest in good stock the children are more likely to do so. One breeder told of receiving some pure-bred live stock as a wedding gift from his father-in-law. That beginning was an important influence, which resulted in an entire herd of well-bred, profitable animals, a practical influence in the couple's prosperity and happiness. Gifts of good live stock, the department points out, are not only acceptable in themselves but with proper handling multiply and give pleasure, satisfaction, and financial benefits for an indefinite period. It is often a problem to serve foods that appeal to appetites made sick by hot weather. Meat salads are excellent for either lunch or supper, suggests the United States Department of Agriculture. Any cold leftover meat (beef, pork, veal, or lamb) may be used. Cut the meat into cubes and mix it with diced cucumber, celery, radishes, or onion, or any preferred combination of crisp vegetables, season well, and, if desired, mix with a little oil and vinegar. Serve with lettuce or shredded cabbage and mayonnaise or boiled dressing.

PISTOL DUEL IN ORANGEBURG Orangeburg, Sept. 16.—A shooting scrape here this afternoon near the corner of Middleton and Amelia street about a block from the heart of the city, resulted in the serious wounding of Policeman F. G. Cannon and John Lloyd. Both parties are white, and well known in this city. The shooting took place about 6:45 p. m. A large crowd gathered at once and the bodies of both men were rushed to the Orangeburg hospital. The cause of the shooting is not known exactly, but it is reported on the streets Mr. Cannon sought to arrest Lloyd. When Mr. Cannon approached him, he told Cannon not to put his hands on him, and drew his pistol, it is alleged. About this time Mr. Cannon grabbed his pistol and both parties began shooting. It was reported that both participants were shot six times but this couldn't be verified. It seems that Mr. Cannon is the more serious shot at this writing and it can't be told now whether either or both will recover. Mr. Cannon was shot once in the chest, while Lloyd was shot in the face and arms. Mr. Cannon is well known locally and has a family and has served the city efficiently as an officer. Lloyd has been in trouble before. HARDING EXPECTED TO VETO THE BONUS BILL Washington, Sept. 19.—Information that President Harding had made up his mind definitely to veto the soldiers bonus bill reached Senate leaders today from some of his close advisers. They said his message of disapproval would be sent to the House next Tuesday. After receiving his word, the majority leaders made an informal preliminary canvass of the Senate, which was said to have shown 34 votes against overriding a veto, or 2 more than the number necessary to prevent final enactment of the bonus legislation. This margin was understood, however, to be regarded by some friends of the President as too narrow and they expected Mr. Harding to call several Senators to the White House before Tuesday for a discussion of the situation. With many Senators absent from Washington, it was asserted by some that it was difficult to assess Senate sentiment at this time. Savannah, Sept. 19.—Mr. and Mrs. A. M. Johnson have decided to name their twenty-first son Herbert Lindsay. The child was born three weeks ago.

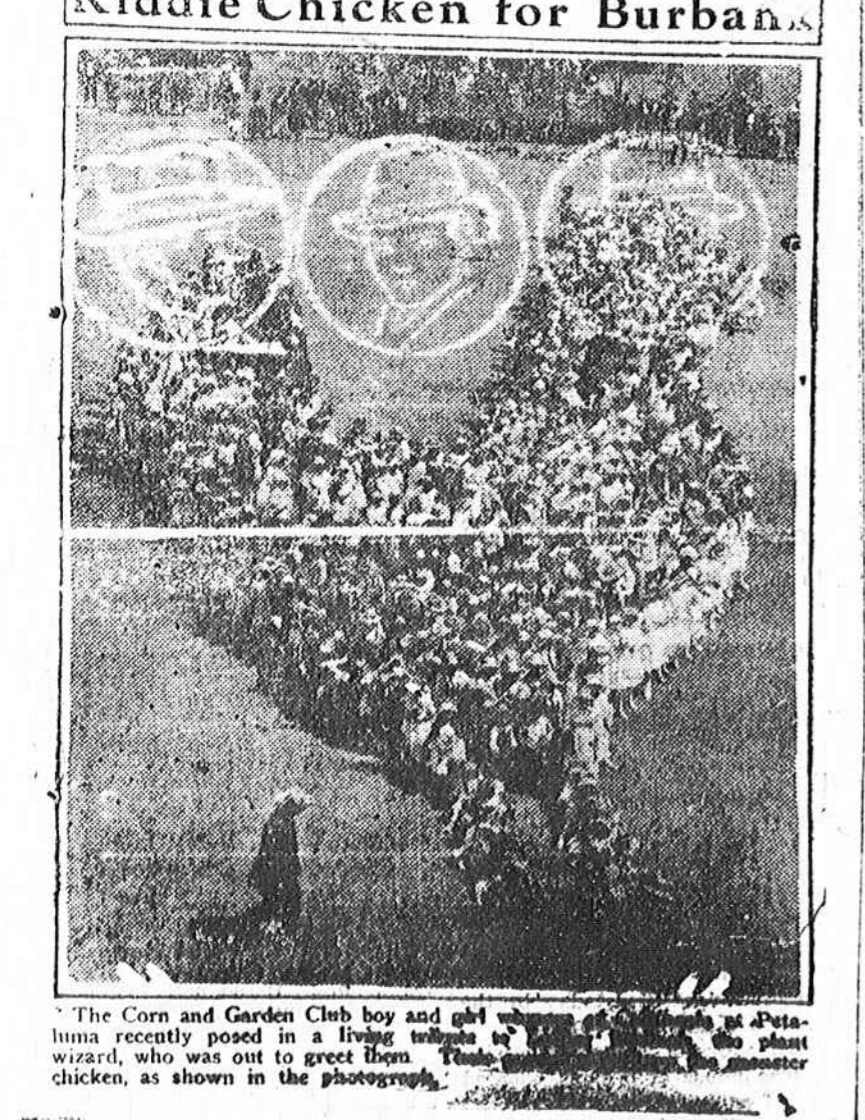
Inactive Liver "I have had trouble with an inactive liver," wrote Mrs. S. Nichols, of 4413 Spencer St., Houston, Texas. "When I would get constipated, I would feel a light, dizzy feeling in my head. To get up in the morning with a heaviness in the head and a tremulous feeling is often a sign that the stomach is out of order. For this I took Thedford's Black-Draught, and without a doubt can say I have never found its equal in any liver medicine. It not only cleans the liver, but leaves you in such a good condition, I have used it a long time, when food does not seem to set well, or the stomach is a little sour." If it isn't Thedford's it isn't BLACK-DRAUGHT Liver Medicine.

SHERIFF NOTICE OF SALE NOTICE State of South Carolina, Clarendon County. Court of Common Pleas. Summons. Grace Nimmer, Plaintiff, vs. Harrison Gamble, York Gamble, Patrick Gamble, Arlein Hatfield sometimes known as Orlean Hatfield, Fannie Blackwell and Bank of Summerton, Defendants. To The Defendants Above Named: You are hereby summoned and required to answer the Complaint in this action, of which a copy is herewith served upon you, and to serve a copy of your answer to the said complaint on the subscribers (Weinberg and Stukes) at their office in Manning, S. C., within twenty days after the service hereof, exclusive of the day of such service; and if you fail to answer the complaint within the time aforesaid, the plaintiff in this action will apply to the Court for the relief demanded in the Complaint. Weinberg & Stukes, Plaintiff's Attorneys. NOTICE To the absent defendant, Harrison Gamble: TAKE NOTICE that the Summons and Complaint in above stated action were filed in the office of Clerk of Court for Clarendon County, South Carolina, on the 8th day of February 1922, and are now on file in said office. Weinberg & Stukes, Plaintiff's Attorneys.

ALSO all that tract or those tracts of land in Clarendon County, State of South Carolina, containing in the aggregate two hundred and twenty-eight and seven-tenths (228 and 7/10) acres, slightly more or less, and adjoining lands now or formerly of Billy Nelson, of W. C. Williams, of McKnight and of others, and also adjoining the public road separating same from lands of Rowe and of others. For a more particular description of said two hundred and twenty-eight and seven-tenths acres, more or less, of land reference may and shall be had to plat made by D. W. McKenzie, Surveyor, which will be recorded in office of Clerk of Court for said County and State. Purchaser to pay for papers. J. E. Gamble, Sheriff of Clarendon County.

State of South Carolina, Clarendon County. Court of Common Pleas. Notice of Sale. Bank of Summerton, Plaintiff, vs. Ozias Mathis, Mary M. Mathis sometimes known as Minnie M. Mathis, Mary C. Carver, Augusta L. Wadford, Troy Wadford, Ragin Mathis, Mary Alice Mathis, The National Bank of Sumter, of Sumter, South Carolina, The Citizens Bank of Pinewood, The Mutual Fertilizer Company, E. F. A. Wieters & Sons, Inc., J. A. Weinberg, Davis & Barnes, Inc., Summerton Hardware Company, Peoples Wholesale Grocery Company, F. W. Josey, Agatha Dingle McEachern, Annie Lizzie Mathis, Mary Lillian Mathis, Willie Ozias Mathis and Thomas Pinkney Mathis, the last two named by their duly appointed Guardian AD LITEM, Mary Alice Mathis, Defendants. Under and by virtue of a Decree of the Court of Common Pleas rendered in the above stated action I, J. E. Gamble, Sheriff of Clarendon County, S. C., will sell to the highest bidder for cash, at public outcry, in front of the Court House door at Manning, S. C., on Monday, the 2nd day of October A. D. 1922, being salesday, within the legal hours for judicial sales, the following described real estate: All that tract of land in Clarendon County, South Carolina, containing two hundred and thirty-five (235) acres, more or less, according to a plat of the same made by R. K. Rutledge, Surveyor, from a survey closed on October 26th, 1872, which plat made by R. K. Rutledge was traced or copied on April 14, 1917 by G. T. Floyd, Civil Engineer; and said tracing or copy by said G. T. Floyd is hereto attached and made a part of this mortgage deed for a more particular description of the said land. Said two hundred and thirty-five acres, more or less, of land adjoins lands of R. C. Richardson, of Mary L. Mathis, of Juby Richardson, of estate of John Lawson or some of his children, and lands of estate of Ann E. Mathis, all of which will more fully be shown by said tracing or copy hereto attached and made a part of this mortgage deed. Said land is the same conveyed by W. J. Clark, Sheriff, by deed dated February 5th, 1872 recorded in office of Clerk of Court for said County and State in Book K. at pages 2 and 3. ALSO all that tract of land in Clarendon County, South Carolina, containing one hundred and twenty-nine (129) acres, according to a plat of same dated March 17th, 1906 made by J. R. Haynsworth, Surveyor, and adjoining lands now or formerly of Brailsford, of estate of Lawson, of

estate of Ann E. Mathis and of others; and particularly all those tracts of land conveyed unto said Mary M. Mathis by deeds recorded in office of Clerk of Court for said County and State in book N. N. on page 542 and A. 3 on pages 299 and 444, which records of said deeds are made a part of this description for a more particular description of the lands thereby conveyed. Purchaser to pay for papers. J. E. Gamble, Sheriff of Clarendon County. State of South Carolina, Clarendon County. Court of Common Pleas. Notice of Sale. J. A. Weinberg, Plaintiff, vs. Dennis Singleton, The Commercial Bank & Trust Company of Sumter, S. C., and the National Bank of South Carolina, of Sumter, S. C., Defendants. Under and by virtue of a Decree of the Court of Common Pleas rendered in the above stated action I, J. E. Gamble, Sheriff of Clarendon County, S. C., will sell to the highest bidder for cash, at public outcry, in front of the Court House door at Manning, S. C., on Monday, the 2nd day of October A. D. 1922, being salesday, within the legal hours for judicial sales, the following described real estate: All that parcel or tract of land in Clarendon County, State of South Carolina, containing ninety-nine (99) acres, more or less, lying on Half Way Swamp and adjoining lands now or formerly of Andrew James, of Stephen F. White, of Elliott and of others,—being the tract of land conveyed to Dennis Singleton, by Gibb James by deed dated January 7th, 1908. ALSO all that parcel or tract of land in Clarendon County, South Carolina, containing sixty-two (62) acres, more or less, and bounded now or formerly as follows: North by lands of Stephen F. White, East by public road from Camden to Charleston; South by lands of William Singleton known as the H. H. Mathis tract; and West by high water mark of Santee river. The said tract of land is the same conveyed to William and Dennis Singleton by deed of Abe Levi dated November 20th, 1900, recorded in office of Clerk of Court for said county and State in book J: 3 at page 497,—the interest of William Singleton in said land having been conveyed to the undersigned Dennis Singleton by deed dated December 22, 1906. Purchaser to pay for papers. J. E. Gamble, Sheriff of Clarendon County.



The Corn and Garden Club boy and girl who were the winners at Petaluma recently posed in a living tribute to the plant wizard, who was out to greet them. The boy is holding the monster chicken, as shown in the photograph.

State of South Carolina, Clarendon County. Court of Common Pleas. Notice of Sale. Ida Levi, Plaintiff, vs. Susan E. Briggs, The Sumter Trust Company and Tom Briggs, Defendants. Under and by virtue of a Decree of the Court of Common Pleas rendered in the above stated action I, J. E. Gamble, Sheriff of Clarendon County, S. C., will sell to the highest bidder for cash, at public outcry, in front of the Court House door at Manning, S. C., on Monday, the 2nd day of October A. D. 1922, being salesday, within the legal hours for judicial sales, the following described real estate: All that tract or those tracts of land in Clarendon County, State of South Carolina, containing two hundred and five (205) acres, more or less and adjoining lands now or formerly of Sauls, of P. B. Hodge, of Rosa Weinberg, and of others. For a more particular description of said two hundred and five acres, more or less, of land reference may and shall be had to a plat made by G. T. Floyd, Surveyor, of record in office of Clerk of Court for said County and State in plat book No. 4 on page 107.

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