

BALING AMERICAN COTTON.

How Growers Can Economize
The Economics of Improvements in Baling the Staple and Their Relation to the Present Terms of the C. I. F. and 6 Per Cent. Contract Terms—Consumption of Cotton Largely Affected by the Cost—Valuable Treatise on an Important and Timely Topic Read Before the International Cotton Congress at Vienna in May.

A paper prepared by H. W. MacAlister, Chairman of the International Cotton Contract Commission, for the Fourth International Cotton Congress, May, 1907, Vienna.

This paper is in some respects a continuation of that which I had the honor of submitting to your notice at the meeting of the International Federation of Spinners and Manufacturers in Bremen last year, and it also deals with the suggestions recently made by the commission (appointed upon that occasion) to the cotton exchanges of Liverpool, Bremen, and Havre, regarding alterations in the terms of the existing c. i. f. and 6 per cent. contract.

There are many opposing interests bound up in the subjects of better baling, etc., and it will probably take some time to effect any great improvements upon present methods and machinery. In matters commercial, self-interest is usually a strong motive power in helping on reforms, so that as it is to our interests as the last buyers of the raw cotton to have certain reforms effected so we must begin by ascertaining how best we can make it to the interest of some of those who precede us in commercial sequence to effect the improvements we desire in the baling of cotton.

It goes without saying that these changes may appear to run counter to the advantages now enjoyed by one or more of the parties in the long line of those interested in the many sections of the trade in raw cotton.

Under present conditions the following is the routine through which the raw material passes from plantation to shipboard:

Farmers' wagons are constructed to carry about 1,500 lbs. of seed cotton and each wagon-load of seed cotton, upon being ginned, yields about 500 lbs. of lint, equal to one bale of cotton.

This bale is semi-pressed at the gin and covered by canvas and six iron bands weighing together about 211 lbs.

From the ginners the bale is carried by rail to the nearest centre, where there is a compress. Here it is unloaded, and sooner or later passed through the compress, its bulk being by this process reduced about one-half. The six original bands put on at gin press are shortened, and one, some-

times two, others are added. Sufficient old canvas, sometimes sugar bags, is also placed upon the bales, nominally to cover sample holes, but really to bring the weight of canvass, etc., within the terms of the c. i. f. and 6 per cent. contract.

The bale is eventually reloaded upon the freight-car for transport to the ship, where during the process of stowage the shipowners find it to their advantage, although at considerable cost, to employ gangs of men, with screwing apparatus devised for the purpose to pack the bales so that the vessel may carry a maximum weight. This screwing process is said to be one of the chief causes of "no mark" bales, etc., and of the damaged condition of bale covering upon arrival at the port of destination.

The consumption of a commodity which is used by millions of the poorest peoples of the world is largely affected by its cost, therefore if cotton in an improved bale can be as efficiently and satisfactorily transported from producer to consumer at less cost in canvass and bands as covering, less cost in labor incidental to rail and steamship carriage, with the use of fewer freight cars and locomotives, and with a consequent reduction in cost of haulage, we are ensuring, by securing these economies, a continuance of and a prospective expansion in our trade in manufactured cotton, which most of the great vested interests concerned in the business must recognize.

Now, how is this to be brought about? Well, in the first place, we must go back to the beginning of the line of industries connected with the production and marketing of raw cotton, and point out to each section concerned how the desired changes will affect their respective interests.

We have with us today amongst our friends from the Southern States two gentlemen who have devoted themselves specially to the interests of those of their countrymen who produce the article we here are so much interested in, as the raw material for our local industries. I refer to Mr. Harvie Jordan, of Atlanta, Georgia, the president of the Southern Cotton Association, and Mr. Barrett, president of the Farmer's Union, and we shall ask them to exercise their great influence and organizing abilities with the members of their great associations to initiate the reforms which we feel sure will be beneficial to the trade generally, beginning with:—

(a) The small farmer, who as a rule, does not take the keen interest he might do in careful picking of his crop, and particularly in the matter of keeping separate clean and dirty seed cotton. The loading of clean and dirty seed cotton in the same wagon

on the farm is the primary cause of falsely-pecked cotton (so-called plated bales), and this fault is one of the principal reasons which buyers of cotton will advance as an objection to any change in baling cotton at gin. Educate the farmer and ginners proprietor on this point and you will remove the necessity for sampling bales with an auger, with the consequent loss in weight of samples to the owner of the cotton, and the creation of a city people term this waste.

(b) It is furthermore to the advantage of the farmer to have his seed cotton carefully ginned. He should therefore, be particular to send his production to the ginners which turns out the best work, that is, the least cut and longest possible stapled lint; and I should say that the farmer can materially facilitate this end by picking his seed cotton as free as possible from seed pods and leaf, and most important of all, by not sending the seed cotton to the gin unless it is perfectly dry. It is impossible to gin cotton well if the fibre be damp, the result being cut fibre and consequent impaired value to both buyer and seller.

(c) The owner of the ginning and baling press machinery is interested in the out-turn of his plant in two ways. If he buys the seed cotton from the producer of his own account he takes care to deduct a percentage for moisture if it is delivered in a damp state, and before ginning he allows to remain in the bin for some time to dry; and further, care is taken to avoid running the saws too quickly, so that good work is the natural result. On the other hand, if he is performing this work for the farmer, who pays him a fixed price per bale for ginning, and the same for baling, it is to his interest to turn out the greatest number of bales in the shortest space of time. He cares very little as to the quality of the lint cotton produced, and his only anxiety in the case of damp seed cotton is the choking of the saws and the risk of fire, which entail a stoppage of machinery and resulting loss of output and profit to himself.

There is great room for improvement in the construction of the Southern ginning and baling machinery, but I am glad to observe that there appears to be a growing interest taken in movements tending in this direction. Planters and farmers are alive to the fact that great economies can be affected in this department, and inventors are busy at work endeavoring to solve the problem. The great dearth of freight cars during the current cotton crop season has perhaps done more to call attention to the necessity for improvement in the baling of cotton at the gin than all the discussion and writing upon the subject, but how best to arrive at the most efficient methods has yet to be evolved.

The compress companies, who as trusts monopolize to a very large extent this branch

of the raw cotton business, claim that it is an economy to accumulate cotton at compress centres, inasmuch as it facilitates the sampling, grading, and shipping of cotton in round lots of, say, 100 bales each, but they do not appear to consider the enormous expense which the present system entails upon the railway companies, and upon the farmers, planters, and country dealers in cotton. This expense forms part of the price of the raw material and is thus distributed among the producers, middlemen, and consumers throughout the world. The various trade-interests are at last interesting themselves in this important item, viz., bad baling and its cost, and numerous attempts are being made to solve the problem.

Several types of round bales are now made (among them being those of the Planters' (Continued on 3rd page.)

SEABOARD AIRLINE RAILWAY.

List of Special Days in September at the Jamestown Exposition.

- Sept. 14. Gospel Army, American Veterans of Foreign Service, Superintendents and Workers conference, Improved Order of Red Men, Army, National Magazine Readers Union, Convention Hall, 2:30 to 3, Illinois Day.
- Sept. 15. Anti-Saloon League, Superintendents and Workers conference, Improved Order of Red Men.
- Sept. 16. Anti-Saloon League, Superintendents and Workers conference, Mexico Day, National Board of Steam Navigation, Hotel Lorraine, 10:30.
- Sept. 17. Anti-Saloon League, Montgomery, Ala., Day.
- Sept. 18. Vermont Day, Auditorium, Delaware Day, League of American Municipalities, Convention Hall, 9-5, Anti-Saloon League.
- Sept. 19. Macabees Day (Ladies), League of American Municipalities, Convention Hall, 9-5, Anti-Saloon League, Detroit Day.
- Sept. 20. League of American Municipalities Day, Convention Hall, 9-5, World's Temperance, Anti-Saloon League, Auditorium, 9-5; Convention Hall 7:30 to 11.
- Sept. 21. Missouri Day, National Temperance Day, Retail Merchants Association.
- Sept. 22. Robert Fulton Day, Horticultural Congress, Convention Hall, Retail Merchants Association.
- Sept. 23. Maryland Horticultural Society Day, Auditorium, 9-12; 2-4, Horticultural Congress, Convention Hall, Louisiana-Panama Day.
- Sept. 24. Society of Colonial Wars, Auditorium No. 1, Florida Day, Federations Sunday Rest Associations of America.
- Sept. 25. American Peanut Growers, Convention Hall, Retail Merchants of Virginia, Convention Hall, Federation Sunday Rest Association, National Nut Growers Association, Auditorium, 1 to 6.
- Sept. 27. American Peanut Growers, Convention Hall, Retail Merchants of Virginia, National Nut Growers Association, Auditorium, 9-6.
- Sept. 28. Retail Merchants of Virginia, National Nut Growers Association, Auditorium, 9-6.
- Sept. 30. Farmers Week.

C. H. GATTIS, Traveling Passenger Agent, Raleigh, N. C.

An Attractive Booklet.

The Industrial Department of the Seaboard Air Line Railway has just issued a very attractive Magazine devoted to the Industrial and Agricultural Development of the South. This issue contains a very interesting article descriptive of the Jamestown Exposition and will prove very good reading to those who contemplate attending. It contains handsome views of all the Government and State Buildings, Hampton Roads, Birds Eye View of the Grounds, Geographical and Historical maps of Norfolk-Portsmouth and the Jamestown Exposition, and that portion of Virginia in the Vicinity of Jamestown. Copies of this magazine can be secured by addressing C. H. Gattis, Traveling Passenger Agent, Raleigh, N. C.

PAIN

Pain in the head—pain anywhere, has its cause. Pain is congestion, pain is blood pressure—nothing else usually. At least, so says Dr. Shoop, and to prove it he has created a little pink tablet. That tablet—called Dr. Shoop's Headache Tablets—removes blood pressure away from pain centers. Its effect is charming, pleasantly delightful. Gently, though surely, it surely equalizes the blood circulation.

If you have a headache, it's blood pressure. If you are restless, nervous, it's blood pressure. If you are sleepless, it's blood pressure. If you are dizzy, it's blood pressure. If you are sick, it's blood pressure. If you are tired, it's blood pressure. If you are irritable, it's blood pressure. If you are out of sorts, it's blood pressure. If you are in a bad way, it's blood pressure. If you are not yourself, it's blood pressure. If you are not happy, it's blood pressure. If you are not well, it's blood pressure. If you are not strong, it's blood pressure. If you are not healthy, it's blood pressure. If you are not content, it's blood pressure. If you are not satisfied, it's blood pressure. If you are not pleased, it's blood pressure. If you are not happy, it's blood pressure. If you are not well, it's blood pressure. If you are not strong, it's blood pressure. If you are not healthy, it's blood pressure. If you are not content, it's blood pressure. If you are not satisfied, it's blood pressure. If you are not pleased, it's blood pressure.

Dr. Shoop's Headache Tablets "ALL DEALERS"

JUST RECEIVED

A Big Lot of Schloss Brothers Celebrated Clothing.



Young men who appreciate Good Clothes, Stylish Clothes, Correct Clothes that fit and are guaranteed, are cordially invited to come in and see our new Fall and Winter Garments. We have them in Blacks, Browns, Plaids and Club Checks and all the latest patterns in Regulars, Stouts, Slims and made up in Single and Double-Breasted Suits and we delight to fit the hard to fit.

Young men going off to college would do well to inspect our line before leaving home. We can fit them out in Trunks, Bags, and in fact Everything that they could possibly need.

Prices Are Right! COME IN.

Jenrette-Singletary Company, LUMBERTON, N. C.

J. E. Purcell, F. T. Wetmore, **PURCELL & WETMORE, Land and Drainage Surveying,**

Mr. Landowner, Do you KNOW where your lines are, or HOW MUCH land you have? If you do not know why not find out?

WE CAN HELP YOU.

RED SPRINGS, N. C. 9-9-07

YOU OPEN FOR BUSINESS!
Will be pleased with our **Select Stock** —OF— **SEASONABLE GROCERIES.**
Come and make your own selection or phone us and we will DO OUR BEST TO PLEASE YOU.

J. H. Wishart
Lumberton, N. C.
Free Delivery. Phone No. 1.

Roger Moores' Sons & Co.,
Wilmington, N. C.
Brick Manufacturers
—AND—
Dealers in Building Material.
Alpha Portland Cement and Rubber-oid Roofing Paper.
7-25-07

HELP IS OFFERED TO WORTHY YOUNG PEOPLE
We earnestly request all young persons, no matter how limited their means or education, who wish to obtain a thorough business training and good position, to write by first mail for our great half-cent office. Success, independence and probable fortune are guaranteed. Don't delay. Write today. The Ga.-Ala. Business College, Macon, Ga.

N. B.—300 requests for telegraphers now filed; men or women. Salaries \$50 to \$70 per month. 8-19-11

Notice of Special Term of Court.

Notice is hereby given that Governor R. B. Glenn has ordered a special term of Superior Court for Robeson County, said term to begin September 30, 1907, and to continue for two weeks for the trial of civil cases only. This September 5, 1907. J. W. CARTER, Chairman Board of Commissioners. 9-5-07

For Sale.
Two valuable farms situated in Cumberland county, 6 and 13 miles below Fayetteville, N. C., on south side Cape Fear river. Each contains 250 acres, adapted to all crops. For full information, address J. A. GAINRY, Sherwood, N. C. 9-5-07

Subscribers are earnestly requested to report to us any failure of carrier to deliver paper promptly.

Beware of Ointments for Catarrh that Contain Mercury.

as mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is ten fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, O., contains no mercury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free.

Sold by Druggists. Price, 75c per bottle. Take Hall's Family Pills for constipation.

Full line Ladies' and Gent's Watches, all sizes and prices. McLean-Rozier Co.

Saved Her Son's Life.

The happiest mother in the little town of Ava, Mo., is Mrs. S. Ruppee. She writes: "One year ago my son was down with such serious lung trouble that our physician was unable to help him; when, by our druggist's advice I began giving him Dr. King's New Discovery, and I soon noticed improvement. I kept this treatment up for a few weeks when he was perfectly well. He has worked steadily since at carpenter work. Dr. King's New Discovery saved his life." Guaranteed best cough and cold cure by all druggists. 50c and \$1.00. Trial bottle free.

The Kodak season is in its prime. Get an Eastman. McLean-Rozier Co.

Stomach troubles, Heart and Kidney ailments, can be quickly corrected with a prescription known to druggists everywhere as Dr. Shoop's Restorative. The prompt and surprising relief which this remedy immediately brings is entirely due to its Restorative action upon the controlling nerves of the Stomach, etc. A weak Stomach, causing dyspepsia, a weak Heart with palpitation or intermittent pulse, always means weak Stomach nerves or weak Heart nerves. Strengthen these, inside or controlling nerves with Dr. Shoop's Restorative and see how quickly these ailments disappear. Dr. Shoop, of Racine, Wis., will mail samples free. Write for them. A test will tell. Your health is certainly worth this simple trial. Sold by all dealers.

We have just received the most up-to-date line of Ladies' Hand Bags, ever seen in Lumberton. Prices are right. Come before they are picked over. McLean-Rozier Co.