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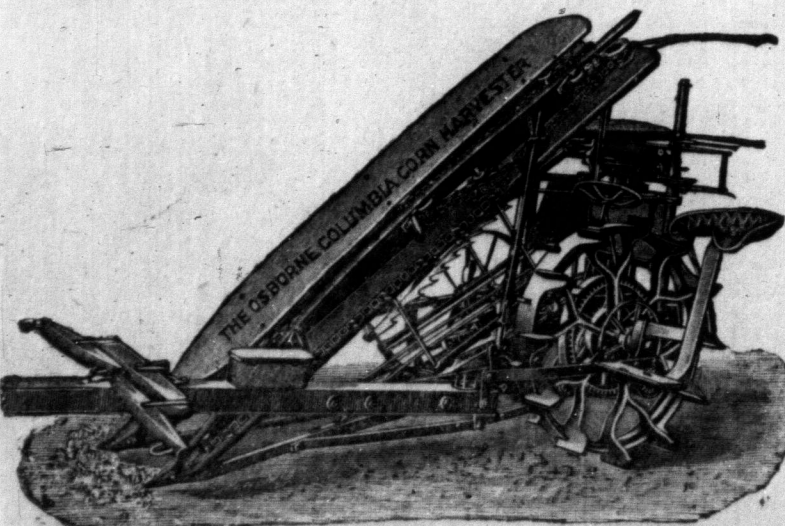
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MESSRS. GEO. STEPHENS & CO., Chatham.

DEAR SIR:—The Columbia Corn Harvester I purchased from you last season gave me splendid satisfaction and I am well pleased with it in every particular. It has number of good features that are not on any other Corn Harvester I have seen (and I think I have seen all that is offered for sale in this locality). One thing that especially commended it to me was the way you can change the sizes of the sheels and this enables the farmer to make a great saving in time. The draft is not heavy and the machine is easily handled. In fact it pleases me well. Yours, etc.,

EARNST EDWARDS.

GEO. STEPHENS & CO.

INTERESTING TEST

Made to Settle a Dispute Between Farmers and Millers.

Kansas Winter Wheat at the Ontario Agricultural College Near Guelph.

In 1893, the Ontario Agricultural College imported eleven varieties of winter wheat from Kansas, four from Indiana, one from Iowa, six from Ohio, etc. The Turkish or Turkey Red, regarding which we are hearing so much at the present time, was one of the varieties imported that year and has therefore been grown at the College in each of the past seven years. We again imported fresh seed of the Turkey Red variety in 1896 and sowed both the Canadian and the Western grown seed in the autumn of that year. The results from the two crops in 1897 were slightly in favor of the Canadian grown seed but were almost identical, there being a difference of less than one peck in the yield of grain per acre. The annual report of the Ontario Agricultural College for 1898 gives the average of five years' results of tests with each of forty-eight varieties in strength of straw, and yield of grain per measured bushel, and yield of grain per acre. It also gives the comparative hardness of the grain of each variety as determined with an apparatus similar to one invented by Prof. N. A. Cobb, of Australia. The tabulated results on page 134 are followed by a report of about 1000 words especially dealing with the relative hardness of the grain of the varieties there given, including the Turkey Red, the Dawson's Golden Chaff and the Early Red Chaff. The report then recommends any one variety of winter wheat for Ontario, the College publishes from time to time the exact results of practical experiments and then allows those interested to make their own selections. The report closes with the following remarks:—"The varieties which the farmers are likely to grow are those which they can usually harvest with the least amount of labor, and that will produce the greatest financial returns for their time and labor in growing the crop. The requirements of the market, however, should be closely watched, and the aim should be to grow those varieties which will give the best results and at the same time furnish that quality of grain for which there is the greatest demand. A careful study of the results of our experiments with winter wheat will greatly aid in this selection. Work is now being done in the Experimental Department with the object of improving the best varieties of winter wheat by means of careful selection and cross fertilization." The College reports are printed by the Ontario Department of Agriculture, Toronto, Ont., and are distributed from there to all who apply for them. In the winter of 1898-9, from 85 to 90 per cent. of both the Dawson's Golden Chaff and the Turkey Red varieties were winter killed. The same varieties, however, came through the following winter in good condition. The following are the average results of the field tests for six years with both the Turkey Red and the Dawson's Golden Chaff:—

Turkey Red, Golden Chaff			
Relative hardness.....	Hardy	Hardy	
Strength of straw.....	Weak	Strong	
Height of crop (in.).....	42.8	47.7	
Nature of head.....	Bearded	Bald	
Date of maturity.....	July 17	July 18	
Amount of rust.....	Slight	Some	
Color of grain.....	Red	White	
Weight grain, bushel.....	61.9	60.3	
Straw per acre, tons.....	2.9	3.4	
Grain per acre, bu 60 lb. 41.3	56.7		

The College report for 1898 states that the grain of the Turkey Red was harder than that of any other variety in the crop of 1898 and that the grain of the Turkey Red and the Dawson's Golden Chaff was the hardest of the varieties mentioned for 1898. The Dawson's Golden Chaff was referred to as a softer wheat, and the Early Red Chaff as being the softest of the red varieties. Mr. Robert Harcourt, of the Chemical Department of the College, has been doing some work in the past two years in determining the gluten content and the bread-making power of some of the varieties of winter wheat grown in Ontario and as the work continues the results are becoming of increased value.

Men of long experience in handling wheat differ greatly in their judgment of the value of the Dawson's Golden Chaff variety. Within the past week the writer invited leading millers of Guelph, Galt, Preston, Berlin and Bridgeport to pass judgment upon the comparative value of two varieties of winter wheat for milling purposes. These were the Dawson's Golden Chaff and the Treadwell, both of which were grown at the college this year. The judgments were made separately and resulted in three of the millers selecting the Dawson's Golden Chaff as the best and the other three selecting the Treadwell as the best wheat. The Treadwell sample must have been a good representative of the old time Treadwell wheat as S. J. Cole, of Preston, who has been in the milling business for many years, stated that he never saw a better sample of the Treadwell wheat than the one shown him, and the Goldie Red of Galt, considered it to be of extra good quality, and in fact, the very best of the 36 varieties of white wheats grown at the College this year.

In the autumn of 1898 Mr. Peter Shirk, of Waterloo county, imported a car load of seed of the Turkey Red variety of winter wheat from the State of Kansas, but as the wheat did not reach Ontario until very late, only a small amount was sown that autumn. A somewhat larger amount, however, was sown in the fall of 1899. In order to ascertain the results from growing this wheat on different farms, the writer recently went to Mr. Shirk's place at Bridgeport and was given the names of persons residing near Bridgeport and Berlin who had grown at least a few acres of the Turkey Red wheat this year. Six growers were called upon, and the following gives the report made by each:

Peter Shirk, 4 acres, very rich land, crop badly lodged, 25 bushels per acre, about 64 lbs. per measured bushel.

Richard Quickfall, four acres, killed out badly in spots last winter, very dry autumn, resulting in barley straw, estimated yield 12 bushels per acre, on the ground below in a vertical shower.

Moses Betsner, 11 acres, excellent wheat land, which formerly yielded 50 bushels of the Fultz wheat to the acre, in 1899 produced a crop of clover and applied farm-yard manure, crop leaved badly, yield of grain this year 425 bushels, weight of grain per measured bushel from the machine about 63 lbs.

Mennie Bowman, three acres, clover sod, very weak straw, being about one-half down, 80 bushels of grain.

Elias Kolb, nine acres, extra ground, not as strong straw as some varieties, estimated yield, 30 bushels per acre.

J. H. Shepherd, three acres, badly winter killed in spots last winter, straw crinkled like barley, estimated yield, 30 bushels per acre.

It will be seen from the foregoing reports that the results obtained from growing the Turkey Red variety of wheat in Waterloo county and at the Ontario Agricultural College are very similar.

We have found from our experimental work with winter wheat that very frequently the season has a much greater influence than the variety in determining the quality of the grain. For instance the weight per measured bushel of the Turkey Red was 64.5 lbs. in 1898 and 55.1 lbs. in 1897, and that of the Dawson's Golden Chaff was 61.6 lbs. in 1898 and 53.5 lbs. in 1897. It will be remembered that in 1897 there was an exceptionally wet harvest and that a large amount of wheat throughout Ontario was sprouted that year. I understand that there was a large export trade from Ontario of flour made from the wheat grown in 1897, and this might have something to do with the reputation of our flour in the foreign market.

Within the past few years, a good many varieties of winter wheat have been distributed to farmers throughout Ontario who applied for them for testing upon their own farms. Great care has been taken in the selection of the varieties for distribution and some kinds, such as the Jones' Winter Life, Bulgarian or Democrat, Pride of Genesee, Diamond, etc., have been sent out owing to their quality rather than their yield of grain. Farmers have found, however, that all varieties would sell for about the same price per bushel and therefore have grown those kinds from which they could secure the greatest profits, hence the great popularity of the Dawson's Golden Chaff, with the farmers of Ontario. The varieties to be distributed this year have again been carefully selected, and two sets will be sent free by mail to farmers applying for them who will carefully test the three kinds in each set which they choose and will report the results after harvest next year. The seed will be sent out in the order in which the applications are received as long as the supply lasts.

Set 1.—Dawson's Golden Chaff, Early Genesee Giant, Stewart's Champion Red.

Set 2.—Dawson's Golden Chaff, Turkey Red, Diamond, etc.

Each person wishing (one of these should apply as early as possible, mentioning which set he desires, and the grain, with instructions for testing, and the blank form on which to report, will be furnished free of cost to his address, until the supply of grain for distribution is exhausted.

Much additional information regarding the value of Turkey Red winter wheat for Ontario will undoubtedly be secured this year. Not only will it be tested by the co-operative experiments throughout the province but, as several millers are importing seed from Kansas, an opportunity will be afforded the farmers of Western Ontario to grow it in larger quantities and the millers can then grind the variety by itself and thus be better enabled to determine its value for both the home and the foreign trade. The results will be watched with interest by both the millers and the farmers.

C. A. ZAVITZ,
Ontario Agricultural College, Guelph,
(August 10th, 1900.)

LETTERS FOR FANCY WORK.

Pretty Designs to Embroider Upon Silk or Linen During the Summer Months.

Basking in the sunlight of these beautiful days, the light-hearted maiden revels in utopian fancies of summer days to come and hours to be whiled away with novel reading and fancy work.

For those who give needlework the preference there are many very pretty new designs in lettering for silk, linen and satin.

The German letters used upon fancy work this year are done in outline rather than in the solid embroidery of past summers. This treatment makes the lettering less complicated and is at least an innovation from the stereotyped old ideas.

Letters whose outline is mainly floral are formed of forget-me-nots, lilies of the valley and the small blooms that can be done in solid embroidery. Natural hues are imitated in the silk and with the new colorings, which are true to nature, the most delightful effects are obtained.

FRANCES TAYLOR.

WATER TREES.

The weeping tree of the Canary Islands is one of the wonders of plant life. It is of the laurel family and rains down a copious shower of water-drops from its tufted foliage. The water is collected at the base of the tree, and forms a kind of pond, from which the inhabitants of the neighborhood can supply themselves with a beverage that is absolutely fresh and pure. The water comes out of the tree itself through innumerable little pores situated at the ends of the branches. It issues from the plant as vapor during the daytime, when the heat is sufficiently great to preserve it in that condition; but in the evening, when the temperature has lowered very much, a considerable quantity is exuded in the form of liquid drops that follow near the edges of the leaves until these members so bend down under their increasing weight as to pass, for the time, the limit of the angles of repose. Then the drops collect on the ground below in a vertical shower.



Miss Maud Kenyon.

Of 1533 Orange Street, Los Angeles, Cal., writes: "I had been afflicted with my eyes for over a year with such a dreadful itching and inflammation that I could not use them for anything. Physicians had given me many different remedies which were like using so much water; they measured my eyes for glasses, which I got and wore for some time, but they did not benefit me in the least. My mother desired me to write to Dr. R. V. Pierce and explain the condition of my eyes. I did so, and after following your advice, and using eight bottles of the 'Favorite Prescription,' can say my trouble is entirely cured. I would advise any one so afflicted to try these wonderful medicines. My health was never so good as it is now, and I shall never tire of praising Dr. Pierce's medicines."

Sick women are invited to consult Dr. Pierce by letter and secure a specialist's advice free of charge.

WRITE TO DR. R. V. PIERCE
BUFFALO, N. Y.
ALL CORRESPONDENCE PRIVATE.

The Right Sort of Diet for a Baby.

At least one-half of the deformed men, women and children one sees might have been strong and whole. Many of them suffer agonies and are life-long martyrs because of the neglect or ignorance of their mothers, or the nurse who was unfit for her position. Bottle-fed and badly nourished children are often rickety.

Give the baby the right food, from the right sort of bottle. Let it have plenty of fresh air and as much sunlight as possible, and at least one bath a day.

The same food will not do for every baby, but this dietary is successful in eighty per cent. of the cases recently tried in the Babies' Hospital.

Diet from second to sixth week:

Milk..... 1 tablespoonful
Cream..... 2 teaspoonfuls
Milk sugar..... 14 teaspoonful
Water..... 2 tablespoonfuls

For one portion; to be given every two hours from 5 A. M. to 11 P. M.; amounting to seventeen fluid ounces of food per diem.

Diet from the sixth week to the end of the second month:

Milk..... 2½ tablespoonfuls
Cream..... 1 tablespoonful
Milk sugar..... ¼ teaspoonful
Water..... 2½ tablespoonfuls

For each portion; to be given every two hours; amounting to thirty fluid ounces per diem.

Diet from the beginning of the third month to the sixth month:

Milk..... 5 tablespoonfuls
Cream..... 1 tablespoonful
Milk sugar..... 1 teaspoonful
Water..... 2 tablespoonfuls

For each portion; to be given every two and a half hours, or thirty-two fluid ounces per diem.

If it is absolutely impossible to purchase cream give the whole amount of cream and milk in what is called top milk—which is the upper portion of the milk after it has stood for a couple of hours.

The Passion Play.

The devout peasants of Oberammergau are preparing for the decennial performance of "The Passion Play," which will be given at frequent intervals during the spring and summer. The greater part of the cast has been chosen since the last presentations. The Christ of this year's play is the son of a stove maker—a stove maker himself; the Magdalene is the daughter of an innkeeper, who helps care for her father's hostelry, and the Mary is the daughter of the Burgomaster, a pretty girl of eighteen. A most interesting and profusely illustrated article on the play and the players will appear in the June Ladies' Home Journal.

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R. Victor Carter

Musical Director, Kruse Conservatory of Music, Chatham.

Honorary Representative of the Toronto College of Music.

Teacher of Piano and Theory.

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Toronto College of Music.

Musical Examinations will be conducted at Chatham—School Centre, June 19th. Students passing same successfully will be granted Toronto College of Music Testimonials, Certificates and Diplomas.

Mr. Carter has become associated with the Toronto College of Music and his students are afforded an opportunity to take the first, second and third examinations, the yearly examinations at Chatham, which will be conducted by a Board of Examiners from the Toronto College of Music.

Special attention given to students to prepare them thoroughly to compete for examination honors.

Circular giving full information sent FREE.

R. VICTOR CARTER, Hon. Rep. Toronto College of Music.

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