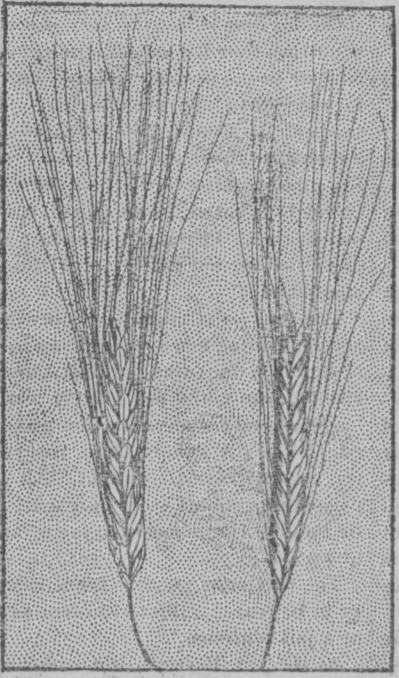


FARM GARDEN

EMMER AND SPELT.

Their True Place Among the Grains of Interest to Feeders.

There has been of late some interest shown by farmers in the possibilities of emmer and spelt, and the comparatively light wheat crop of the past season is not unlikely to awaken a still greater desire to know more of these grains. Canadian farmers indeed are said to be directing so much attention



COMMON EMMER. SINGLE EMMER.

to them that Dr. C. E. Saunders of the central experiment farm has lately made a report on this subject. Among other items it is noted that although closely related to true wheat, both spelt and emmer are, in a commercial sense, quite distinct from it and should be compared rather with oats and barley.

It is thought undoubtedly possible to make flour from emmer and spelt, but extremely improbable that this will ever be done in America. Meanwhile these grains are being used for the feeding of cattle, etc., and it is for such purposes that they deserve consideration.

The most striking characteristic of spelt and emmer stated by Dr. Saunders as distinguishing them at once from all the true wheats is the fact that the chaff adheres to the grain after it has passed through an ordinary threshing process. The grain itself is usually long, of rather large size and very hard, resembling the macaroni wheats rather than the ordinary wheats. The straw of the emmers is usually rather short and thin and sometimes is not sufficiently strong to prevent lodging of the grain. In spelt the straw is coarser.

The heads of emmer are essentially short, compact and flat, the spikelets being set very close together, while the heads of spelt are long and open, the spikelets being set far apart. All the emmers are bearded, but some of the spelts are beardless. Spelt is generally of coarser type than emmer, and the proportion of husk present in the threshed grain is usually larger. Roughly speaking, one may say that emmer weighs from thirty to thirty-eight pounds and spelt from twenty-two to thirty pounds per measured bushel.

Both emmer and spelt have been found, so far as tested at the experi-



WHITE BEARDED SPELT. WHITE SPELT.

mental farm, to be, as a rule, comparatively free from rust. It is also generally believed that they withstand drought very well and will thrive on soil which is too light to give a good crop of wheat. "These most desirable characteristics certainly show," concludes Dr. Saunders, "that these cereals merit the attention of Canadian farmers in some sections of the country, but they do not, as is sometimes assumed, demonstrate the superiority of emmer and spelt to wheat, oats and barley."

A Ready Made Manure Maker. The hog is a ready made manure maker when given a chance. Dig up plenty of muck, dry it and keep it on hand to put in the pen. You will be astonished to see how many loads of manure a hog will make in this way in one season.

Teaching the Young Idea. Young Crow—Of course I'm anxious to see the world. Old Crow—Well, you'll find lots of things in it that don't belong to you. Help yourself!—New York Press.

Advertisement for Castoria, featuring the signature of Charles H. Fletcher.

THE CO-OPERATIVE BELT.

Across the Country From the North Atlantic States to the Pacific.

A letter from an attaché of the bureau of statistics at Washington to the editor of the National Co-operator contains the following interesting facts concerning the co-operative movement among farmers. He says:

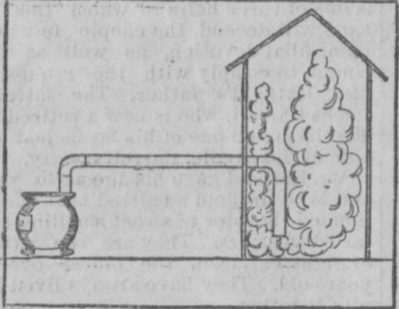
"The magnitude of the farmers' co-operative movement in this country is such that it is absolutely impossible for anybody, even with all the resources of a United States governmental department, to obtain complete statistics. The best that one can do is to approximate. Tentatively, you may say that the membership of the farmers' co-operative associations in this country amounts to not less than 5,000,000 and may reach 6,000,000. These numbers, however, contain duplicates, triplicates and quadruplicates, because some farmers may and often do belong to a co-operative creamery association, a co-operative telephone association, a co-operative fair association, a co-operative elevator association, co-operative insurance associations of four sorts and others. I have had correspondence with farmers in almost every county in the United States, and in consequence it is my rough opinion that after eliminating duplicates, etc., about 3,000,000 farmers, including with them a comparatively small number of farm laborers, are members of co-operative associations. Only a few of these farmers live in the south Atlantic and south central states, so that the farmers' co-operative belt runs across the country from the north Atlantic states to the Pacific.

"Co-operation among farmers has advanced along certain lines to such an extent that there is almost complete socialization of special business within whole county areas of land—in fact, within state areas, as in the telephone service and in the insurance of buildings and contents against loss by fire and of live stock against unnatural death and of crops against damage by hail and wind. Many thousands of co-operative irrigating associations and a very large number of local organizations of the Patrons of Husbandry and of the Patrons of Industry are engaged in co-operative buying without maintaining a store.

"It is a curious fact that, although the farmer is one of the most distrustful of animals—so much so that co-operative creamery associations burn their business records at the end of the year in order that there may be no material for a quarrel—nevertheless he sustains probably 99 per cent or more of the co-operation of this country."—Maxwell's Tailman.

SMOKING MEAT.

An Item For Those Who Still Use the Old Brown Smokehouse. In the home smoking of meat I have learned something by experimenting that is a great saver of work and of



NO HEAT, NO DANGER OF FIRE.

much more consequence—keeps the meat in better shape during the smoking process. I used a low smokehouse, and, handle the little necessary fire as best I could, it would sometimes heat the meat more than was good for it. I had the fire covered in a little pit in the center of the smokehouse. Then I tried a pit outside several feet from the building with an underground flue, but all the heat generated in that went into the smokehouse, so it was unsatisfactory.

I placed an old heating stove, with the legs taken off, on the ground about eight feet from the side of the smokehouse, put an elbow on the stove and ran a pipe in through the side of the smokehouse. Then I started a little fire in the stove, and as the smoke poured from the funnel it occurred to me to turn the smoke down, so I put on an elbow with mouth pointing down, and as that worked all right I put a length of pipe on that and watched to see what the smoke would do. In a moment it poured from the pipe right down near the ground. The end of the pipe is four or five inches from the ground and nearly on a level with the bottom of the stove. It works finely. The cooled smoke rising from the ground conveys no heat to the meat, though quite a little fire is kept in the stove. The fire needs but little attention, as the stove is kept about closed all the time. It is very satisfactory.—Kansas Farmer.

An Object Lesson in Fat Cattle.

The grand champion steer of the international live stock exposition of 1904, winner over all breeds and all ages and classes, Clear Lake Jute II, an Aberdeen-Angus two-year-old, was sold at public auction on Friday, Dec. 2, at \$36 per hundredweight. The price obtained for this steer was \$10 per hundredweight higher than that obtained for the grand champion steer of the international live stock exposition in 1903. Jute's weight was 1,870 pounds, and the price, \$36 per hundredweight, figured up \$673.20 for the Minnesota Agricultural college of St. Anthony Park, Minn., the owner. This steer was certainly a model of its kind, and great credit is due to all concerned in the handling of it, especially to those connected with the Minnesota Agricultural college, which certainly presented an object lesson in the handling of fat cattle.—St. Louis Globe-Democrat.

Deaf as an Adder.

The expression "deaf as an adder" is from the Psalms of David, where it appears in the following form: "Their poison is like the poison of serpents. They are like the deaf adder that stoppeth her ear, which will notarken to the voice of charmers, charming ever so wisely." East Indian travelers tell us that there is a widely prevailing superstition in the east to the effect that both the viper and the asp stop their ears when the charmer is uttering his incantations or playing his music by turning one ear to the ground and twisting the point of the tail into the other.

THE MOOD OF MIGHT.

There is a Peculiar Potency in Belief in One's Own Power.

Achievement is less a matter of natural ability and external circumstance than of the habitual mental attitude. Success, happiness and accomplishment of all kinds are born of confidence, buoyancy and faith. Discontent, self-distrust and hesitancy are all causers, eating into every part of life and destroying force and perfection at every point.

There is a peculiar potency in belief in one's own power. This need have no element of egotism in it, only a steadfast trust in oneself. Yet even childish self conceit is better than weak depreciation of self and the pallid mind resulting. To believe in one's own success, to think and act always with confident assurance that it is possible to do anything and all things that one desires to do—such an attitude buoy up the spirit, sends the currents of energy and skill pulsing through the body and makes the maximum of accomplishment possible.

There is nothing of this nature that will make hard work unnecessary. But hard work, vivified by the electric current of faith and triumphant confidence, will be multiplied in effect as if by magic. The human mechanism in all its intricacies and potencies is operated by a mental and spiritual dynamo the essence of which is faith, confidence and love. Why let life be operated at the minimum when, through persistent effort can awaken the forces which will make each one the full man or woman he or she was meant to be?—Rocky Mountain News.

Walter Whitehead, the well known English surgeon, believes it possible that cancer may be due to bad teeth. Addressing the students of the Victoria Dental hospital, he said that to drain, trap and ventilate a house for a man with bad teeth was waste of money, for he polluted the purest air as he breathed it and contaminated the wholesome food he ate it.

CASTORIA.

The Kind You Have Always Bought Bears the Signature of Charles H. Fletcher.

LIVER TROUBLES

"I had Theford's Black-Draught a good medicine for liver disease. It cured my son after he had spent three weeks in hospital. He had the medicine I take."—WILLIAM CAROLINE MARTIN, Parkersburg, W. Va.

If your liver does not act regularly go to your druggist and secure a package of Theford's Black-Draught and take a dose tonight. This great family medicine frees the constipated bowels, stirs up the torpid liver and causes a healthy secretion of bile.

Theford's Black-Draught will cleanse the bowels of impurities and strengthen the kidneys. A torpid liver invites colds, biliousness, chills and fever and all manner of sickness and contagion. Weak kidneys result in Bright's disease which claims as many victims as consumption. A 25-cent package of Theford's Black-Draught should always be kept in the house.

"I used Theford's Black-Draught for liver and kidney complaints and found nothing to equal it."—WILLIAM COFFMAN, March 18, 1904.

THEFORD'S BLACK-DRAUGHT

PRICE 1 CENT! THE SUN

(Baltimore, Md.) Now Sells For 1 Cent, And Can Be Had of Every Dealer, Agent or Newsboy at That Price.

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THE FARMER'S PAPER. THE SUN'S market reports and commercial columns are complete and reliable, and put the farmer, the merchant and the broker in touch with the markets of Baltimore, Norfolk, Charleston, New York, Chicago, Philadelphia and all other important points in the United States and other countries.

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THE SUN is the best type of a newspaper, morally and intellectually. In addition to the news of the day, it publishes the best features that can be presented. Success stories, and miscellaneous writings from men and women of note and prominence. It is an educator of the highest character, constantly stimulating to noble deeds in individual and national life.

THE SUN is published on Sunday, as well as every other day of the week. By mail THE DAILY SUN, \$3 a year; including THE SUNDAY SUN, \$4 a year. Address A. S. ABELL COMPANY, Publishers and Proprietors, Baltimore Md.

CASTORIA.

The Kind You Have Always Bought Bears the Signature of Charles H. Fletcher.

CASTORIA

The Kind You Have Always Bought, and which has been in use for over 30 years, has borne the signature of and has been made under his personal supervision since his infancy. Allow no one to deceive you in this. All Counterfeits, Imitations and "Just-as-good" are but Experiments that trifle with and endanger the health of Infants and Children—Experience against Experiment.

What is CASTORIA Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is Pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. It cures Diarrhoea and Wind Colic. It relieves Teething Troubles, cures Constipation and Flatulency. It assimilates the Food, regulates the Stomach and Bowels, giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

Advertisement for Genuine Castoria Always, featuring the signature of Charles H. Fletcher and the text 'The Kind You Have Always Bought In Use For Over 30 Years.'

Advertisement for a new stock of Fall and Winter Boots, Shoes and Rubbers, Warm Lined Shoes for Old Ladies, and a good stock of Felt Boots.

Advertisement for The Smart Set, a Magazine of Cleverness, featuring various articles, stories, and jokes.

Advertisement for Business Local, a publication for local businesses, and a watch advertisement for Geo. T. Eyster.

Advertisement for Patents, featuring the text '50 YEARS' EXPERIENCE' and 'TRADE MARKS DESIGNS'.

Advertisement for Kodol Dyspepsia Cure, featuring the text 'DIGESTS WHAT YOU EAT' and 'The famous little pills.'

Western Maryland Railroad Schedule in Effect December 30th, 1904. Table with columns for Road Downward, STATIONS, and Road Upward.

Advertisement for Nasal GATARRH, featuring the text 'In all its stages there should be elimination' and 'Ely's Cream Balm'.

Emmitsburg Rail Road TIME TABLE. Table with columns for TRAINS SOUTH and TRAINS NORTH, listing departure and arrival times.

On and after October 2, 1904, trains on this road will run as follows:

Additional trains leave Baltimore for Union Bridge and Intermediate Stations at 10:15 a.m. and 4:15, 6:15 and 11:55 p.m., and leave Union Bridge and Intermediate Stations at 4:45, 5:45 and 6:00 a.m., and 12:00 p.m., daily, except Sunday.

Notary Public—W. H. Troxel. Justices of the Peace—Henry Stokes, Millard P. Shuff.

Methodist Episcopal Church. Pastor—Rev. G. C. Harris. Services every other Sunday at 10:30 o'clock.

Emmitsburg Chronicle. IS PUBLISHED EVERY FRIDAY MORNING \$1.00 A YEAR IN ADVANCE 50 CENTS FOR 6 MONTHS.

DeWitt's Witch Salve For Piles, Burns, Sores. THE Baltimore American. Established 1773.

THE DAILY AMERICAN. Terms by Mail, Postage Prepaid. One Month... \$3.25 Daily and Sunday... \$5.00

THE TWICE-A-WEEK AMERICAN. The Cheapest and Best Family Newspaper Published. ONLY ONE DOLLAR A YEAR Six Months, 50 Cents.

Advertisement for Kodol Dyspepsia Cure, featuring the text 'DIGESTS WHAT YOU EAT' and 'The famous little pills.'