

ATTRACTIVE EXHIBIT OF GRAIN AND ROOT CROPS

The Making of an Attractive Exhibit Lies Chiefly in the Hands of Those Who Prepare It.

BY W. J. SQUIRREL.

The display of agricultural products at exhibitions held throughout Canada has long been part of the propaganda work in agricultural education. The value of any agricultural exhibit depends almost entirely on the preparation of the material and the exhibiting of this in such a manner that it is attractive to the eye and its educational features readily available without too much study by the public.

Undoubtedly the preparing of material is by far the larger part of the work in connection with exhibits. It should not be forgotten either that with every agricultural exhibit, a certain amount of material is required for decorative purposes. This material does not, as a rule, fit into the general scheme of education. However, the material used for decoration requires the same care in preparation as does the material which would more properly be called educational material.

MAKING A SIX-INCH SHEAF.

Grains exhibited in the sheaf are always attractive and very often make up the chief class of agricultural material shown. It is very important that all material of this class be thoroughly dried before using. Wheat, oats and barley to be exhibited in the sheaf should be cut between the period when they commence to turn yellow and the time when they would be ripe, if cut at this stage, the grain possesses a greater elasticity than when cut at any earlier or later period. After cutting it should be



What could be more pleasing than this head of O.A.C. No. 21 Barley. Note how carefully it has been prepared.

bleached in the sun for a period of from ten to fourteen days. Exposure of these grains in the straw in a cold frame is a method often employed. With the large amount of straw and moisture present in grain crops this year, fourteen days would not be any too long for the bleaching period. At the end of this bleaching period strip off the outer straw and exhibiting only the bright inner straw will add much to the appearance of the sheaves. This may be accomplished by ringing round straws at the joints or nodes with a jack knife, when the outer sheath is easily removed.

The size of sheaf will, of course, depend much on the size of the exhibit. A thousand heads of wheat, barley or oats in the straw, make a sheaf of about six inches in diameter at the smallest part, and nearly one foot in diameter at the butt. The most imposing and important part of the sheaf is, of course, the head. Many exhibitors make the mistake of cutting each of the straws the same length, and the head consequently square across the top. This is not only unsightly, but often results in many of the heads breaking over when tied. The accompanying photos show sheaves with heads properly shaped. It will be noted that the longest straw is that in the centre, the outside of the sheaf gradually sloping away from the centre.

TYING IS IMPORTANT.

When preparing especially large sheaves it is often a good plan to make it of a number of smaller ones. This may be done by sloping the head

of the sheaf as in the former case, using small sheaves in the operation as individual straws. The sheaf is then finished off by ringing around the outside two or three layers of individual straws and heads, giving the whole the appearance of a solid sheaf. The above method is especially suitable when the grain is over-ripe and the straw brittle.

The tying of the sheaf is by no means the least important part of its preparation. The average length of sheaf will require to be tied in at least three places, and barley will generally keep its shape better if tied in four places. The first tie should be about four inches below the heads, the second about the centre of the sheaf, and the third about six inches from the butt.

The appearance of many sheaves is spoiled by tying them with a band, ordinary string or twine. Red or blue ribbon about one-half inch wide for tying material makes a nice contrast to the golden yellow of the straw, and will add much to the appearance of the sheaf.

Only straight straw should be used for this work. It should be of good average length and the heads should be of good size and filled with plump grain. In all cases sheaves should be representative of the variety in the class exhibited.

The well prepared sheaves should be stored in a safe place for despatch to place of exhibition. Careless packing of sheaves will result in a ragged sheaf exhibit. The man who is a regular exhibitor of sheaves at exhibitions usually has boxes built to house this material. These special boxes require less packing material and there is less room for the sheaves to shake about when in transit. Excelsior or old newspapers, pieces of burlap, etc., all make suitable material.

While the display of sheaves at our exhibitions is each year becoming more important, it cannot yet be said that these occupy as great a space as the sheafed grain. Many a really good sheafed grain exhibit is spoiled because it lacks the one great essential—uniformity—not only of amount shown, receptacles in which exhibited, but uniformity of product as well. Grain for exhibition purposes should be well ripened, as it is only when grain is thoroughly ripened that it takes on its best color and has the best general appearance. Besides possessing these two characteristics, sheafed grain should be true to variety and free from weed seeds of all kinds, as well as other grains, dirt or chaff, etc.

It is possible to get these conditions in sheafed grain if the best section of the field (which of course must be thoroughly clean after being well ripened, is threshed separately, thoroughly fanned with a good fanning mill, and then possibly further improved by means of hand sieves. It is not uncommon today to see, shown at some of our best exhibitions, considerable quantities of hand-picked seed.

It should not be forgotten that the best sheafed grain, straw and grain in the head are most likely to be found in those fields which have been seeded a little less per acre than the average. Care should also be taken to avoid selecting seed from areas of the field which are injured by rust or smut. These fungus diseases will not only spoil the appearance of the sheafed grain, the straw and the heads, but are a possible source of injury to other exhibits.

SECTURING ROOTS FOR EXHIBITION.

At the period of the year when some exhibitors are held, it is difficult to get away from the fact that the heads of wheat, barley or oats are not so easy to display as the sheafed grain. Therefore, to depend largely for big root material on the mangels, sugar beet and carrot crops. Mangels in themselves make a nice root exhibit, as it is possible in this class of roots to get four distinct shapes, long, intermediate, tankard and globe. Besides this difference of shape, there are also differences of color, red and yellow are common in different mangels varieties. Some kinds of mangels have the natural characteristics of prongy

roots and especially is this true of the long red type. In selecting this type, therefore, care should be taken to eliminate, as far as possible, the objectionable feature. The same fault is also found in sugar mangels, although to a lesser extent.

There is a tendency to-day at most exhibitions to sacrifice something in size for the sake of better quality in the roots. This last condition, too, has resulted in a root of a more uniform shape being shown. There seems to be no good reason to support the position of the man who in the past exhibited extremely large roots, as this is not the root which produces the most per acre, nor is it the root which possesses the best quality.

Roots for show should be sound, free from disease, of good size for the variety, true to shape and color of the variety or class which they represent, and, as far as possible, should be smooth in outline. They should be of good quality, indicated by firmness—not hollow or spongy. The appearance of any class of root will be improved by trimming off the prongy or small rootlets at the tip, and by removing the tops as close as possible to the root. In mangels and sugar beets it is best to twist off the tops to avoid bleeding. In turnips the tops may be removed with a knife which causes no injury to the roots.

It requires less care to pack roots for shipment than grains. They should, however, be packed in such a manner that they will not be broken or the skin removed by rubbing against one another.



Such a head of Oats as shown here is always attractive. The variety is O. A. C. No. 72.

DON'T TIE GRASSES TOO TIGHT.

As has been intimated in the first part of this article, the blending and contrasting of colors is necessary if the exhibit is to be attractive. The use of fodder plants, especially of grasses and clovers, will provide this color material better perhaps than any other class of crops. Grasses should be cut just after coming into full head, and clovers at a little later period. They should then be thoroughly dried, but not bleached in the sun like grain in the straw. A very satisfactory way to do this is to bring the fodder material in as soon as cut and spread it out thinly on the barn floor, or in some covered building, sheltered from the sun and rain, but where there is a good air draught.

This class of material gives better satisfaction if tied in smaller bundles than grain sheaves. Owing to the larger amount of moisture which is present in the grass or clover bundles, even when thoroughly dried, they require to be more loosely tied than grains. If too tightly tied the heads will break down. The shaping up of heads and packing is much the same for grasses as for grains. Clovers require extreme care in packing, because of the ease with which the leaves drop off. In order that the educational features of the exhibit should be as prominent as possible, all fodder material used should be correctly labelled. As some of the grasses and clovers are known by more than one common name, the scientific name is usually mentioned as well.

—The Canadian Countryman.

III. Exalted the name of God. Solely on account of their adherence to the divine cause were the three Hebrews cast into the burning fiery furnace. Firm and decided for Jehovah, they approached the eventful hour. Their example was a sermon on heroic piety and invincible fortitude. They conducted themselves with discretion, composure and presence of mind, with confidence, with steadfastness and with uprightness. They did not forget martyrdom or persecution. They gave no willing offence. The king was first to perceive that his fury and the doom he had decreed were frustrated. The three Hebrews were seen to walk unharmed in the flames, accompanied by the presence of One who seemed to have them under his protection. Nothing was consumed but their bonds, which stigmatized them as criminals. They honored God before the world and he especially honored them. Their deliverance produced a deep public impression. The impious ambition of the monarch was checked. The faith of the weak and wavering was confirmed. The welfare of the captive Jews was effectually promoted. The deliverance of those faithful servants of the Most High bore testimony to their integrity and secured their promotion in the kingdom. T. R. A.

The Original Macaroni.

Macaroni, which is now being strongly recommended as a cheap and sustaining food, is not at all what its name implies, for maccheroni, as Italian spell it, means a mixture, and at first was one, the ingredients being butter, cheese and flour. But to-day macaroni is the name for the familiar tubes which are compounded of hard Italian wheat and water alone. It was therefore from the original meaning of the word that macaroni poetry, in which Latin is blended with a vernacular, derived its name.—London Chronicle.



Confess the error of your way
And bury the dead past,
Uplift your thoughts to higher plane
And stick until the last.

Don't think of what you might have
But just what you are;
Let honesty of purpose be
Your future guiding star.
Sing Sing No. 66153 in "The Star of Hope."

BEHOLD HOW HE LOVED.

He died for all—Greater love hath no man than this, that a man lay down his life for his friends.

How I wish to make intercession for them—I go to prepare a place for you. I will come again, and receive you unto myself; that where I am, there ye may be also.—Father, I will that they also, when thou hast given me, be with me where I am.—Having loved his own which were in the world, he loved them unto the end.

We love him, because he first loved us.—The love of Christ constraineth us; because we thus judge, that if one died for all, then were all dead; and that he died for all, that they which live should henceforth live unto themselves, but unto him which died for them, and rose again.

If ye keep my commandments, ye shall abide in my love; even as I have kept my Father's commandments, and abide in his love.

ONE.

A congregation of one is my supreme longing and satisfying study. He who did not refuse the presence of one, Nicodemus by night, the women of Samaria by day, the thief on the cross, and Mary at the tomb, doth not refuse one, nay, brings the most delightful moments of my life, as he helps me to minister to one.

By Him I discern with Him I suffer concern, by sacrifice of His presence I minister; by an educated abnegation I make no request, and thereby I am open to receive, and do actually receive, the most surprising and joyful indications of His most gracious love.—Is this a spiritual partnership? Him first, and most, and best; Him near, and dear, and intertwined; fibre folded in fibre, that the dissecting knife cannot cut without destroying both.

Where are the words to help me here?—I need the alphabet of the stars, and then have only words. What can draw a diagram of the doings of Christ in you, or give a programme of the glory that is to follow?

A congregation of one. Have we ever any more than one? Is not all ministry the contact of personality on personality? It must be this. This is the way God works with man. The highest type of grace in the human heart emphasizes an immediate awareness of God, in direct and intimate consciousness of the Divine Presence, His religion in its sweet acute and living stage. There have been in all ages, religious geniuses who have been made aware of a realm of reality on a higher level than that which is revealed by the senses.

A congregation of one. This is the way man works on man, some are moved by ear, some by hope, some by beauty; some are overshadowed by dreams, by storms, by unspeakable visitations of God.

If ten men are converted in one church, by one man, at one time, it is not one act of the Holy Ghost lumping ten together, but ten distinct, sovereign, peculiar acts of revelation. Where art thou, what thickest cloud who art thou? The majestic stillness of the Divine Presence is not enough; God is an activity, moves, breaks, mends, builds; all this is personal word, or persons, secret, sacred, solemnly alone. "Hast thou faith? Have it to thyself before God."

"Rest, which the weary know;
Shade, mid the noontide glow;
Peace, when deep griefs o'erflow;
We know no dawn but Thine;
Send forth Thy beams divine
On our dark souls to shine,
And make us blest."

—H. T. Miller.

The sneak thief doesn't necessarily carry a corkscrew when he is looking for an opening.

MARKET REPORTS

TORONTO MARKETS

Apples, basket	0.40 to 0.45
Bushberries, 1st bkt.	1.50
Currents, black, 11-qt. bkt.	1.75
Canterlopes, Canadian	2.25
Peaches, Can., 6-qt. bkt.	0.50
Do., 11-qt. bkt.	0.50
Pears, Can., 11-qt. bkt.	0.50
Do., Bartlett, bkt.	1.00
Plums, Can., 6-qt. bkt.	0.35
Do., 11-qt. bkt.	0.35
Traubberries, box	0.45
Vegetables:	
Beets, Can., 11-qt. bkt.	0.25
Cucumbers, outside grown	0.17 1/2
Do., 11-qt. bkt.	0.40
Do., hot-house	0.40
Beans, wax, 11-qt. bkt.	0.95
Cabbage, Can., crate	1.00
Carrots, bkt.	0.25
Cauliflower, case	1.25
Corn, green, doz.	0.15
Do., home-grown, case	1.15
Egg plants, bkt.	0.50
Gherkins, 11-qt. bkt.	0.60
Do., 6-qt. bkt.	0.75
Mushrooms, Can. bkt.	0.40
Onions, bkt.	0.40
Do., Can. dried 11-qt. bkt.	0.50
Do., green, doz. bushels	4.00
Do., Spanish, doz.	2.00
Parsley 11-qt. bkt.	0.40
Peppers, Can., 11-qt. bkt.	0.25
Do., red, 6-qt. bkt.	1.25
Do., 11-qt. bkt.	0.25
Potatoes, 11-qt. bkt.	0.40
Potatoes, Can. 11-qt. bkt.	0.25
Do., 11-qt. bkt.	1.75
Vegetable marrow, 11-qt. bkt.	0.25

MEAT—WHOLESALE.

To the trade wholesalers are making the following quotations:—

Beef, forequarters, cwt.	\$12.00
Do., hindquarters	13.00
Carcasses, choice	15.00
Do., common	12.50
Veal, common, cwt.	15.50
Do., medium	12.50
Do., prime	15.00
Swine, heavy, cwt.	20.00
Light, do.	18.00
Abattoir hogs, cwt.	19.00
Butter, light	19.00
Lamb, Spring	25.00

ST. LOUIS MARKET.

Local wholesale quotations on Canadian refined sugar, Toronto delivery, in cwt. August 29:

Large granulated	\$13.00
Royal A extra granulated	9.25
Refined granulated	9.14
St. Louis granulated	9.14
No. 1 yellow, Atlantic and Acadia	8.25
No. 2 yellow	8.12
No. 3 yellow	8.75

TORONTO CATTLE MARKETS.

Ex. Cattle, cwt.	\$10.50	\$12.50
Butcher's Cattle, cwt.	10.00	10.90
Butcher's Cattle, med.	8.50	9.50
Butcher's Cattle, com.	7.50	8.25
Butcher's cows, com.	8.25	8.50
Butcher's cows, med.	7.25	7.75
Butcher's cows, Can.	5.25	6.00
Butcher's bulls, com.	5.00	6.75
Feeding, steers, com.	8.00	9.25
Sticks, ch.	7.25	8.50
Sticks, light	7.00	7.25
Sticks, com.	6.00	12.00
Sticks, heavy	10.00	11.00
Sticks, cubs	7.00	8.50
Sticks, calves	14.50	15.50
Hogs, P. & W.	13.25	
Calves	8.00	16.00

OTHER MARKETS.

WINNIPEG GRAIN EXCHANGE.

Fluctuations on the Winnipeg Grain Exchange yesterday were the following:

Oats—Open High Low Close	
Oct. 1917	0.64 0.65 0.64 0.64
Nov. 1917	0.62 0.63 0.62 0.62
Dec. 1917	0.64 0.65 0.64 0.64
Jan. 1918	0.64 0.65 0.64 0.64
Feb. 1918	0.64 0.65 0.64 0.64
Mar. 1918	0.64 0.65 0.64 0.64
Apr. 1918	0.64 0.65 0.64 0.64
May 1918	0.64 0.65 0.64 0.64
June 1918	0.64 0.65 0.64 0.64
July 1918	0.64 0.65 0.64 0.64
Aug. 1918	0.64 0.65 0.64 0.64
Sept. 1918	0.64 0.65 0.64 0.64
Oct. 1918	0.64 0.65 0.64 0.64
Nov. 1918	0.64 0.65 0.64 0.64
Dec. 1918	0.64 0.65 0.64 0.64
Jan. 1919	0.64 0.65 0.64 0.64
Feb. 1919	0.64 0.65 0.64 0.64
Mar. 1919	0.64 0.65 0.64 0.64
Apr. 1919	0.64 0.65 0.64 0.64
May 1919	0.64 0.65 0.64 0.64
June 1919	0.64 0.65 0.64 0.64
July 1919	0.64 0.65 0.64 0.64
Aug. 1919	0.64 0.65 0.64 0.64
Sept. 1919	0.64 0.65 0.64 0.64
Oct. 1919	0.64 0.65 0.64 0.64
Nov. 1919	0.64 0.65 0.64 0.64
Dec. 1919	0.64 0.65 0.64 0.64
Jan. 1920	0.64 0.65 0.64 0.64
Feb. 1920	0.64 0.65 0.64 0.64
Mar. 1920	0.64 0.65 0.64 0.64
Apr. 1920	0.64 0.65 0.64 0.64
May 1920	0.64 0.65 0.64 0.64
June 1920	0.64 0.65 0.64 0.64
July 1920	0.64 0.65 0.64 0.64
Aug. 1920	0.64 0.65 0.64 0.64
Sept. 1920	0.64 0.65 0.64 0.64
Oct. 1920	0.64 0.65 0.64 0.64
Nov. 1920	0.64 0.65 0.64 0.64
Dec. 1920	0.64 0.65 0.64 0.64
Jan. 1921	0.64 0.65 0.64 0.64
Feb. 1921	0.64 0.65 0.64 0.64
Mar. 1921	0.64 0.65 0.64 0.64
Apr. 1921	0.64 0.65 0.64 0.64
May 1921	0.64 0.65 0.64 0.64
June 1921	0.64 0.65 0.64 0.64
July 1921	0.64 0.65 0.64 0.64
Aug. 1921	0.64 0.65 0.64 0.64
Sept. 1921	0.64 0.65 0.64 0.64
Oct. 1921	0.64 0.65 0.64 0.64
Nov. 1921	0.64 0.65 0.64 0.64
Dec. 1921	0.64 0.65 0.64 0.64
Jan. 1922	0.64 0.65 0.64 0.64
Feb. 1922	0.64 0.65 0.64 0.64
Mar. 1922	0.64 0.65 0.64 0.64
Apr. 1922	0.64 0.65 0.64 0.64
May 1922	0.64 0.65 0.64 0.64
June 1922	0.64 0.65 0.64 0.64
July 1922	0.64 0.65 0.64 0.64
Aug. 1922	0.64 0.65 0.64 0.64
Sept. 1922	0.64 0.65 0.64 0.64
Oct. 1922	0.64 0.65 0.64 0.64
Nov. 1922	0.64 0.65 0.64 0.64
Dec. 1922	0.64 0.65 0.64 0.64
Jan. 1923	0.64 0.65 0.64 0.64
Feb. 1923	0.64 0.65 0.64 0.64
Mar. 1923	0.64 0.65 0.64 0.64
Apr. 1923	0.64 0.65 0.64 0.64
May 1923	0.64 0.65 0.64 0.64
June 1923	0.64 0.65 0.64 0.64
July 1923	0.64 0.65 0.64 0.64
Aug. 1923	0.64 0.65 0.64 0.64
Sept. 1923	0.64 0.65 0.64 0.64
Oct. 1923	0.64 0.65 0.64 0.64
Nov. 1923	0.64 0.65 0.64 0.64
Dec. 1923	0.64 0.65 0.64 0.64
Jan. 1924	0.64 0.65 0.64 0.64
Feb. 1924	0.64 0.65 0.64 0.64
Mar. 1924	0.64 0.65 0.64 0.64
Apr. 1924	0.64 0.65 0.64 0.64
May 1924	0.64 0.65 0.64 0.64
June 1924	0.64 0.65 0.64 0.64
July 1924	0.64 0.65 0.64 0.64
Aug. 1924	0.64 0.65 0.64 0.64
Sept. 1924	0.64 0.65 0.64 0.64
Oct. 1924	0.64 0.65 0.64 0.64
Nov. 1924	0.64 0.65 0.64 0.64
Dec. 1924	0.64 0.65 0.64 0.64
Jan. 1925	0.64 0.65 0.64 0.64
Feb. 1925	0.64 0.65 0.64 0.64
Mar. 1925	0.64 0.65 0.64 0.64
Apr. 1925	0.64 0.65 0.64 0.64
May 1925	0.64 0.65 0.64 0.64
June 1925	0.64 0.65 0.64 0.64
July 1925	0.64 0.65 0.64 0.64
Aug. 1925	0.64 0.65 0.64 0.64
Sept. 1925	0.64 0.65 0.64 0.64
Oct. 1925	0.64 0.65 0.64 0.64
Nov. 1925	0.64 0.65 0.64 0.64
Dec. 1925	0.64 0.65 0.64 0.64
Jan. 1926	0.64 0.65 0.64 0.64
Feb. 1926	0.64 0.65 0.64 0.64
Mar. 1926	0.64 0.65 0.64 0.64
Apr. 1926	0.64 0.65 0.64 0.64
May 1926	0.64 0.65 0.64 0.64
June 1926	0.64 0.65 0.64 0.64
July 1926	0.64 0.65 0.64 0.64
Aug. 1926	0.64 0.65 0.64 0.64
Sept. 1926	0.64 0.65 0.64 0.64