# Seasonable Pointers For Farmers

## HUBAM CLOVER HAS WON IMPORTANT PLACE AMONG GREATEST SOIL-RENEWING DISCOVERIES OF TODAY

Rapid Growth and Early Development of Seed in One Season Seem Almost Incredible.

Hubam clover is a discovery of Professor H. D. Hughes of the Iowa State College, and is not to be confused with the common or biennial sweet clover. The plant originated in Alabama, and careful experiments and years of study, Professor Hughes has brought to us a plant of amazing possi-

This comparatively new discovery has received very favorable comment in many of the best agricultural journals, and indeed worthily so, for we have in this new-found clover, a plant which, alone for its extraordinary nitrogen-producing qualities, holds a foremost place of importance among the great soil renewing chemical discoveries of

The rapid growth and the early develment of the seed in one season seem most incredible. This clover grows to height varying from 4½ to 6½ feet, d heavily seeded.

Its cultivation does not require a reat deal of attention or labor. It may sown early in spring, on land which had been worked in the fall, and, as it brings to the ground its own fertilizing flourishes even on poorly Its drouth resistan are remarkable, growing and eed, where other vegetation

of our Canadian farmers aside from the seed crop it fitable to sow this Hubam

npared to the state where riginated. One pound of the sweet clover, which at

#### SICK CHICKENS OF LITTLE VALUE

Hatchet Safest and Most Effective Method of Treating Weaklings.

Very great doubt exists as to the adbird), is so small that if a man's time is worth anything it will not pay him unless he considers the bird especially valuable. The "cured" bird will always valuable. The "cured" bird will always will always will a menace to the flock, and with will distributed among the patrons.

Will distributed among the patrons.

This has prevented interest or stock. This has prevented interest or stock, and has insured true ing undue control, and has insured true to co-operation. Then the profits, after deducting the cost of manufacture, are deducting the cost of manufacture, are deducting the cost of manufacture, are deducting the cost of manufacture plant was distributed among the patrons.

The unit of production time worth and the among the patron of the butter.

In 1920 the average for butter-fat was provented in the pockets of the average for butter \$0.5713. No other farm product returns so much actual gold to line the pockets of the fertility of the soil less. The unit of production (the individual has the slightest adverse conditions will show a return of the disease. Disease of any kind usually weakens the constitution of the individual and hence lowers its breeding value. In such simple the such simple terms, and distributed among the patrons.

The deducting the cost of manufacture, are distributed among the patrons.

For years this co-operative plant was the mecca where committees were sent to see what could be accomplished by armers conducting their business affairs for themselves, instead of allowing table shows the large others to do it for them, and discovered to the farm product returns so much actual gold to line the pockets of the farmer, and depletes the fertility of the soil less.

In the State of Minnesota in 1920 there were 84.751 patrons and 747,505 cows. The following table shows the large of the patrons. lowers its breeding value. In such simple cases as indigestion, colds, etc., where the greater part of the flock is affected and the flock can be treated as a unit treatment is, no doubt, advisually as been worth millions of a unit, treatment is, no doubt, advisable. Where the birds are kept for the production of eggs and meat only, the hatchet will be found the safest and most effective method of treatment for

individuals. Prevention is better than cure, and every effort on the part of the poultry keeper should be exerted to maintain such environment and sanitary conditions as to prevent disease gaining a

foothold in the flock.

The stock, which is used for breeding purposes, should be selected first and purposes, should be selected first on the selected first purposes. or constitutional vigor, as this is the foundation on which the breeder must build future success. Discard all birds which have at any time been sick, and cull very closely birds, which as chicks, were raised in closely confined quar-

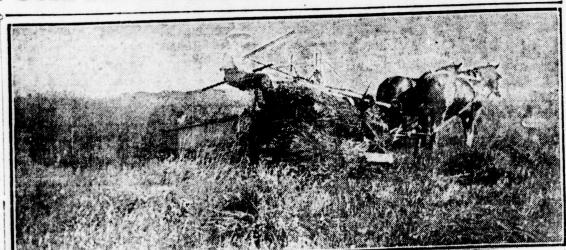
Housing Important.

The housing of the birds is very im-ortant in the prevention of disease. Abundance of fresh air and sunlight in the house, without drafts or dampness, will do much n maintaining a healthy flock. Houses must be kept sanitary by frequent removal of droppings and liter, as the latter becames soiled. At least once during the year, preferably in the fall, the house should be thorighly cleaned and disinfected. All movable fittings, as nests, hoppers and movable fittings, as nests, hoppers and roosts may be removed from pen to facilitate cleaning. Thoroughly scrape dropping boards, if used, remove all litter from floor, and then brush down ceiling and walls with a broom.

It has been found the most economical to combine the whitewashing and disin-fecting processes by adding the disinfectant to the whitwash. The whitewash is made by slacking fresh stone wash is made by slacking fresh stone lime and adding sufficient water to dilute to a creamy mixture. To this is added ten to fifteen per cent of crude carbolic acid or some of the tarry compounds used for disinfecting purposes, and the whole applied with a hand spray nume. Applying with a whitewash brush and the whole applied with a nand spray pump. Applying with a whitewash brush is not to be recommended, as there is not sufficient penetration.

Nests, roosts and other movable fit-

Nests, roosts and other invade the tings are best treated by dipping in solution of the wash, or may be sprayed, but the dipping is to be preferred. Be sure to strain all whitewash before using the spray pump.



of Brucefield in his sweet clover field, ociations, as well as for social activi

### FARMERS' DAIRY PLANT SUCCESSFUL IN STATES

Minnesota and Wisconsin Pro-

herds at the National Dairy Show of the United States, which has been held at the Minnesota State fair grounds, located in the Twin Cities, from Oct. 8 to 15. This exhibition was formerly held in Chicago, but due to the fact that Minnesota has gained the suprementation of the National Dairy Show of the Minnesota's golden butter in 1920, which sold for \$73,622,867.36, exactly \$71,678,186.07, or 90 per cent, was the golden return in real dollars paid the suprementation.

annual sweet clover, which at a cost \$17.50 per pound, was dinnesota cow is 4.360 pounds, and one of the superb of

First Co-operative Plant.
In 1890 the first co-operative plant
was established in the State of Minnesota by a few Danish farmers, and one
factor must be noted, as it forms the
very corner stone of the structure, and
by stone the test of years—that each

Miss Neely and Her Little Lamb

Through the co-operative dairy com-



MISS CELA NEELY is the only lady in Ontario who is secretary-treasurer of a fair association, and to her is due a large measure of the success which has attended Donnybrook Fair for the treasy. This year the fair measure of the success when has attended Donnybrook Fair for the past few years. This year the fair was the biggest in its 67 years of history, and the complete arrangements made by Miss Neely had much to do with the speed and promptness with which the various events were carried through.

Miss Neely is herself a practical agriculturist and a successful breeder of Dorset sheep. She captured all the prizes for this breed at this year's fair. Our portrait represents Miss Neely holding in her arms a pet lamb which was presented to

a pet lamb which was presented to her from a Christmas tree last year. This animal is now rather too large to be favored in this manner, but it had the distinction of being a prizewinner at this year's show.

distant cities of New York, Boston and Philadelphia, and these are willing to ducers Find That Cooperation Pays.

Canadian stock breeders are exhibiting some members of their fine dairy hords at the National Dairy Show of Colden Returns.

suprem- for only the raw material, butter-fat to that Minnesota has gained the supremacy as a dairy state, it claims the honor this year.

The average production of a dairy cow in the United States is less than 4,000 pounds of milk a year, but that of the Minnesota cow is 4,360 pounds, and one of the superhand Minnesota real aware of most of the creamories. pounds of milk in 305 days. Not only is the Minnesota farmer securing a large yield of milk, but he is also receiving all arge wield of milk he thistory of the other important factors

o-operation in that state, and showed return of 50 per cent to the producers of what progress could be made. Many of what the consumers pay. The New York wholesale price still has a profit the are known as the best and butter-makers in the so they are noted as the best all co-operators, and the Wisplants is a direct outgrowth of Danish co-operative ideas, which have made that country the leader in Europe.

First Co-operative Plant

ash returns for each \$1 fertility lost: Wheat at \$2 a bushel, \$70. Oats, 60 cents a bushel, \$50.

At Moland, a little town off the rail road, nine miles from Kenyon, Minn., in the heart of the dairy country, the coperative dairy company recently prected a combined co-operative dairy colant, community hall and manager's eight-room modern home upstair Wisconsin Prosperity.

Wisconsin, which is also one of he leading dairy states of the world, nas at present 3,000 co-operative plants which are receivink milk and manufacwhich are receivink milk and manufacturing it either into butter, cheese or condensed milk, or selling it for direct consumption. These institutions are the corner-stone of the dairy manufacturing industry, and their strength lies in the interest that each patron has in his own institution. There are at present 176,166 dairy farmers in the State of Wisconsin, and on these farms have been erected huge barns and silos, and there is every indication of prosperity. Wisconsin will exhibit many fine dairy Wisconsin will exhibit many fine dairy herds at the National Dairy Show, and a special feature of the Wisconsin ex-hibit will be the original Babcock

Canadians visiting the dairy show in Minaeapolis, which was held from Oct. 8 to 15, had the opportunity of meeting world-famous milk tester which bears his name. A special Babcock Day was proclaimed to pay tribute to the man who devised the method of ascertaining the percentage of butter-fat in milk. loss of butter-fat in the process of separating the cream. Its supreme value lies in the fact that it furnishes ed out. The last line of the bu in which Dr. Babcock announced thus unassumingly gave to the world the benefits of his researches and failed to reap the financial reward his invention would have assured, he gained fame. Wisconsin gave him a bronze medal in 1899. France prenot patented." gained fame. Wisconsin gave him bronze medal in 1899. France pre-sented him with the grand prize an a medal in 1900, and the United State in 1904, at the Louisiana Exposition awarded him the grand prize and

ve dairy plant.
Ontario's Opportunities.

In Ontario's Opportunities.

In Ontario we have immense areas that are as well adapted to dairying as any state in the union. Although in many parts of our province this industry is carried on at present, the farmer is not receiving the profits that he should or could with a co-operative dairy plant in operation in his should or could with a cooperation in his

The Thorndale Co-operative Dairy The Thorndale Co-operators Later Company, which was organized a few months ago by enterprising dairymen of the district, is the first established in Canada according to the principles of those in the States of Wisconsin and Minnesota, which have proved such the buge success.

Wheat at \$2 a bushel, \$70.
Oats, 60 cents a bushel, \$56.
Corn. \$1.50 a bushel, \$88.24.
Potatoes, \$0 cents a bushel, \$200.
Milk fluid, \$3 per cwt, \$315.80.
Milk for cheese, \$3 per cwt, \$857.14.
The farmer has to sril \$1,604.28 worth of cream before he has taken \$1 out of his soil.
The former type of plant in Minnesota while have proved such a huge success.
The Thorndale Co-operative Dairy Company purpose erecting a dairy close of the company is \$40,000, and building operations will begin when \$15,000 worth of stock has been soid. The farmer stock has been soid. The farmer type of plant in Minnesota while have proved such a huge success.
The Thorndale Co-operative Dairy Company purpose erecting a dairy company purpose erecting a fairy flant in the near future. The capital stock of the company is \$40,000, and building operations will begin when \$15,000 worth of stock has been soid. The farmers of the district are very few exceptions all farmers who have been interviewed by the directors have readily subscribed for stock. Dairymen in the adjoining townships have also expressed a desire to secure stock.
The establishment of co-operative Dairy Company purpose erecting a dairy company purpose erecting a fairy flant in the near future. The capital in the near future

Royal Agricultural Show Makes Its Bow in Toronto

province can do in the breeding and feeding of live stock and in encouraging stock raisers to greater efforts. But it was felt that the time had come for something really big, something really international in its character. With this in view, a committee of rep-

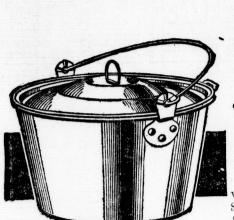
The Royal Agricultural Winter Fair of Canada makes its bow this year. For upwards of half a century winter fairs have been held at various points in the Dominion, both east and west, one of the best known and the most successful being that held at Guelph. These fairs have been a means of showing what the province can do in the breeding and enterprise which is of such national improvements. Royal Show hopes to contribute in this development. With a splendid organization, with buildings which are second to none on this continent, with a generous prize list and attractive exhibits from all parts of Canada and from many parts across the line, the association feels it can appeal with confidence for the support of the general public in an enterprise which is of such national imenterprise which is of such national im-

portance."
The list of officers embraces many men familiar to the agricultural world. W. A. Dryden is president, H. C. Cox, vice-president, and C. F. Bailey, man-With this in view, a comment in resentative livestock men met in includes Hon. Dr. S. F. Tolmie, minis-includes, 1917, and at a meeting in ter of agriculture for Canada; Hon. aging director. The board of directors

Sale of "Wear-Ever" Aluminum Continues Next Week

An excellent opportunity to complete your aluminum kitchen outfit—not one, but six specials—some marked at less than half the regular price in this sale. The six different utensils are pictured here today. Clip out the ones you want and get the identical piece or pieces while this sale is on. This is a factory sale and these prices cannot be continued after next week — an opportunity that will not come again this year. It is the factory's way of spending money to advertise the superior quality of "Wear-Ever" in comparison with other makes of aluminum utensils. Take advantage of it—this is the way to make your collection.





Next

Week

Only

**Get Yours** 

Early

SEE WINDOW.

6-QUART

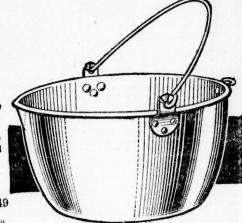
"Wear-Ever" WINDSOR

ith new style cover.

KETTLE

\$2.49 "Wear Ever" **PRESERVING** KETTLE

If mailed, 20c extra. If mailed, 20c extra



TRY A SAMPLE CUP OF OUR SPECIAL

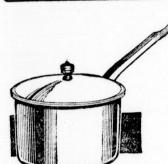
S. & I. BLEND COFFEE

at Demonstration Counter, Main Floor. The quality as served in our Restaurant and at Soda Fountain.

"WEAR-EVER"

#### DOUBLE BOILER

2-Quart (wine measure). Sale ..... If mailed, 15c extra.



Wear-Ever" SAUCE POT

If mailed, 15c extra.

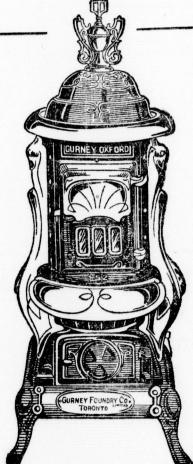


**GURNEY** Baseburners, Ranges Heaters

PRICES.

AT NEW LOWER

In some cases the prices are but half of one year ago.



Gurney Large Fireside Baseburner, with or without oven ... \$35.00

Gurney Oak Heaters, in three sizes, with feeders. Special prices .. ...\$18.00, \$22.00 and \$32.00

Gurney Quebec Heaters, in four sizes, \$15, \$17, \$21.50, \$24.50

Gurney Regent Coal Range . . . . .... \$35.00 and \$37.00

Gurney Prince Coal or Wood Range, with and without reservoir .... \$50.00 and \$55.00

Gurney Glenwood Iron Range— Without reservoir, \$54.50; with reservoir, \$65.00.

Stove Pipes, 6 or 7 inch.....25c Elbows, 6 or 7 inch ...... 35c Half Lengths, each ..... 20c Taper Pipe ...... 40c Basement.

NOW IN STOCK HORROCKSES DIAPHALINE FOR LINGERIE, 75c Yard.

SMALLMAN & NGRAM

New Shipment Tarantule, for Dainty Lingerie, 80c, 90c,

organism in much the same way as it dicate to a certain extent what success will be sent out ment was ineffective against scab. Instances have been reported where treatstances have been reported where treatstances

ization says:

"Agriculture must remain as the foundation industry in the country, and live stock is the foundation of good agriculture. Through the trying times of transition the industry must pass to permanence and prosperity and the Cocasionally there have been reports

AFFECTED BY SOIL

Ave indicated that it occurs on some soil indicated that it occurs on some soil in a color of talns.

"On the other hand, this organism grows rapidly under alkasion as usual at the Central Experimental and when it is found it generally has an usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Central Experimental and when it is found it generally has a usual at the Cent

wheat (in about 5-lb. November, 1917, and at a meeting in October, 1919, an offer was received from the city of Toronto to erect an arena with adequate accommodation and subject to certain financial repayments. This offer was accepted. The Royal Agricultural Winter Fair Association was then duly incorporated and financial support was secured from the Federal and Ontario Governments.

In making its initial bow the organ-