onion seed of ; anada for several ot seed that gave iform in growth as they had been etty tough, too es of onions and once sowed, and

muttons," every t-bed. At least liflower, cabbage. these, also, his t as well as have ing the garden, possible near the to be neglected enough), and lay ire and then get and give about ou think necesith a variety of lifferent way and with one. Then ose little two-bit but rows runway of the plot to work with the work and hand t day the ground the field crop herwise the field den back a forting got it ready y, that is, unless in the hot-bed ar that way and er than I can saving the early

the garden after ator is the best equently, to be ood plan to mix ot and parsnip ows long before , and by getting es they can be le before doing

least a month in

ne tool to have n a large housewill take hold of 10 except under y hand or use a surface often ture. Make an nembers of the told, it has not

IK RANCHER.

arden

the time when be profitably t, preparing to ed in the open. idea that it is hot-bed, and

thout the loss e of cash. If vith tomatoes,

here there is a d west sides window glass Nail a piece 3 or 4 feet.

very little trouble. If the boards on the back they should be planted into a cold frame which nutritious our native grasses are as feed, and the of the frame are twelve inches above the ground, is made similar to the hot-bed, but without the feeding value of prairie grass is always overestimated thus giving a slant to the sashes so that the rain and earliest cabbage and tomatoes can be had, milk flow of the cow herd during the stable-feeding may run off quickly, and also allow a better. The plants should be transplanted a little deeper.

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without costing a cent. heat in a few days, pour a pail of hot water down plants will not wilt at all, if carefully handled. 'smoking" uniformly it is ready to use. Shovel ripe tomatoes will pay well for the trouble. the snow away where the hot-bed is to be placed. and spread about four inches deep of dry manure, over the ground, then put in a foot of steaming manure, set on the frame, and pack four inches more inside. On the outside, pack to the height of the frame with dry manure, and lay on your window sash. When the manure begins to heat again, which will be in two or three days, pack it solid. Now, if it is loose and fluffy after being trodden, there is too much straw in it; if it packs soggy and solid there is too little straw.

air, moisture and sunshine. Sow the seeds in Such selection, coupled with more liberal feeding, containing about 50 per cent. moisture. rows, and cover with soil composed mostly of will repay any farmer abundantly. As scores sand and do not cover the seeds more than four of farmers in Canada can testify, it has often times the diameter of the seed. Flower seeds resulted in an additional fifteen and even twentyshould also find a place in the hot-bed, and should five dollars income per cow within four years. be sown separately from the vegetables. After sowing, replace the sash, and leave on until the

the soil will sink as the manure ferments.

a chance to soak into the ground before the hot ground grain.

sash rests, and can be drawn back and forth with When the plants are three or four weeks old Dairymen have come to realize that however those in front should be several inches lower, manure to produce heat. In this way the best it does not possess qualities that will maintain the may run off quickly, and also allow a better The plants should be transplanted a little deeper itate as nearly as we can, the food that produces the utilization of the sun's heat.

Season. In feeding cows inside, the aim is, to find the plants should be transplanted a little deeper itate as nearly as we can, the food that produces the utilization of the sun's heat.

The plants should be transplanted a little deeper itate as nearly as we can, the food that produces the maximum milk flow. That is why clover roots and Old windows or storm sashes which are not in Put the glass on the bed; cover with something silage are coming to be more generally grown on the use can be made into hot-bed sashes by cutting to keep out the hot sun for at least two days. Western farm where cows are kept, and the growing some notches into the lower part of the sash Then let the sun in again. Keep the soil moist, of these crops is as beneficial to the farm as the crops to allow the water to run off. Frames made to The plants will make rapid growth and about the are good for the milking cows. fit the sashes you may have will answer the pur- last week in May you can set out the cabbages, pose and in this way the hot-bed is made, really in the garden. Tomato plants should not be set out until the middle of June at the earliest. For heating material, use horse manure. They should be commencing to flower then.

breaking all hard lumps. Distribute the hot buds forming. The branches may need cutting best yield of butter recorded is 3 pounds, per 1000 manure throughout the mass. When it is twice a week. If this plan is followed, plenty of pounds of whey. The average yield is about 21

Get an extra early kind of seed.

DAIRY

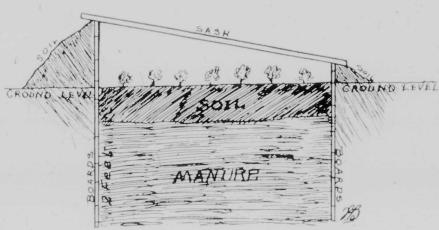
Records Made the Price

is packed, fill in five or six inches of earth, which the highest price ever paid for a Canadian dairy is plentiful there is a wider margin of difference beshould be rich, and contain a large amount of cow. What made the animal so valuable? tween the two products. The price which the butter sand. A soil made up of well rotted manure, Granted that she was a model of beauty and an rotted sod and some rich sandy soil, is the best exquisite type of her breed, the fact remains that earth for hot-bed. But where there has been no her actual performance largely helped to effect whey butter manufactured, or 15 cents per 1,000 preparations do not delay the making of the bed the sale. She has a record of 121 pounds of whey. on this account. Take the best and richest soil butter in 30 days. The records, those figures at hand, and, if frozen, it will thaw out under the down in black and white, assisted in making the glass. When the soil has become well warmed price. When farmers generally commence to College, Guelph, in the manufacture of soft cheese through-out, it should be raken fine and level. keep records of individual cows we hope to The space between the soil and the glass should develop not only many more such excellent

Silage Clover and Roots

Watering should be done with caution. Use It is becoming apparent to cow owners in this water that has been slightly warmed. Do not country, as it became so to the dairymen of the

Farmers are beginning to take an interest in corn sun evaporates it. Whenever moisture collects growing, are asking questions about it, are inquiring upon the panes, ventilation should be given. re silo construction and some are preparing to go in and describing how these may be best overcome. Ventilation is essential to grow strong, healthy for the cultivation of the most mommoth member of wind. As the plants grow larger, and the weather winter feeding, either to cows or other cattle. It all warmer, more air is needed, and, finally, the windows may be removed, only covering at night agricultural convention to spend much time in the and during chilly days. It is best to cover the discussion of the growing of the corn crop, he would being in time for consideration. glass at night with a mat when there is danger be more likely to be hailed as a prophet, forecasting of the plants getting frozen, in the early part of something that might come to pass in the distant future, than as a teacher of practical fact.



CROSS SECTION OF A HOT BED

Making Whey Butter

The question of making butter from whey has been Haul the manure in a pile near to where you are Set them deeply right up to the branches. Put receiving a good deal of attention in Ontario during going to have the bed. Do not make the pile in a little soil, then water, and fill up the hole the past year, and the results of some experiments round topped but flat. If it does not start to firmly with soil, shade for two days, and the conducted at the Eastern Dairy School, Kingston, and the gold by the chief dairy instructor in the watern part and by the chief dairy instructor in the western part through the center; if heating starts unevenly, one side heating and the other not, turn it over, flower buds, break off the end to prevent more just been made public. The report shows that the pounds per 1000 pounds of whey. As to the cost of manufacturing there is some difference in the estimates made. Prof. Mitchell estimates that it costs 11.5 cents per pounds to manufacture whey butter. The estimates of the other experimenter is 7 cents per pound. Taking an average of these two estimates it would make the cost of manufacturing whey butter, 9 cents per pound.

The quality of the product which it would be possible to make from this fat would determine, of course, its market price. The conclusion of the experiments shows that whey butter is slightly inferior in quality to that of butter made from whole should feel springy when trodden upon, but A few days ago a buyer from the States gave when creamery butter is a high price and scarce the when released from pressure. After the manure near Brockville for one cow; this is believed to be within a cent or two, but when good creamery butter is a high a price, when released from pressure. would bring under market conditions of 1907 and 1908 was placed at an average of 20 cents per pound.

A start has been made at the Ontario Agricultural Professor Dean has secured the services of an expert nowhere measure less than six inches in the start; specimens, but a general improvement in the limited, it is thought the demand will grow rapidly. production of the average herd. Records alone Small round cakes of one and a half pounds sell at Seeds that germinate at nearly the same time, can furnish the information necessary to enable 20 cents. Sweet, unripened milk is used, and the and which are similar in growth should be sown intelligent selection of the promising cows, and working done so as to retain the moisture throughout under the same window, thus giving them equal the rejection of those that are not profitable, the cheese. The finished product is soft and spongy,

POULTRY

IS DUCK RAISING PROFITABLE

Readers of the poultry department are asked water so much as to puddle the ground. In south and east, a good many years ago, that cows to contribute their experience in duck rearing, the early part of the season, water in the morning need better food and a greater variety of it, to profer publication in our issue of March arst so that the plants are not damp during the night.

Later on, when the weather becomes warm, water towards evening, in order to give the water of the country in winter to be hay, straw and a little outlining your own method of rearing and ground grain. marketing, giving attention to the difficulties that have to be contended with in the business,

For the best article on this subject we will plants. Open always the side contrary to the the grass family, and to cut it and save it green for award a prize of \$3.00, to the second \$2.00, the latter amount being paid for other contributions published. Contributions should reach us not later than March 20th to insure of their

Interesting the Public in Poultry Shows

Poultry shows are rather hard to work up public interest in, the hardest perhaps of all live stock shows. There seems little about them that the public, aside from poultry fanciers, can take much interest in. To the poultry breeder they are of intense interest and much value. If one is a fancier, intent upon breeding the best in the particular varieties he is working with the poultry show offers the best of all opportunities for him having his stock passed upon by expert men, for having their deficiencies or merits with the strong points of his breeds in their different strains and families. The exhibition is an opportunity too, to extend business, buy or industry. But what we would like is to see