ROCK SALT for Horses and eattle, in tons and Terente Salt Works, Terente. Q. J. CLIFF, Manager carleads.

HOLSTEINS

TAMWORTH AND BERKSHIRE SWINE.-Boars and sows for sals. J. W. Todd, Corinth, Ont. Maple Leaf Stock Farm.

HOLSTEINS

We have 55 head to choose from. All ages, both sexes. Deep milking strains. Official record stock. Prices reasonable.

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WILLOWDALE STOCK FARM LENOXVILLE, QUE.

Breeds Ofydesdale borses, Shorthorn and Ayrahire cattle, Leicester sheep, Ohester White swine, all of choice breeding. Young stock for sale. Also several of the stan-dard breeds of American poultry and Pekin ducks. Bettings for sale. 64-62-10 J. H. M. PARKER

SUNNYDALE

Offers four grandsons of Pieterije Hen-gereid'e Count De Kol, champion buil ef the breed. These calres are from 6 weeks to three months old, nicely marked, and well grown, two with official dams of very choice breeding. Prices reasonable. Write for particulars. E-45-06

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LYNDALE HOLSTEINS

Head your Herd with a son of Sara Hengerveld Korndyke whose dam was rocently sold for \$2.000, his 3 nearest dams average \$9.12 10a, butter each in 7 days. Only 2 of his sons left. We still have a fow sons of Count DeKol Petertie number of Heifers for sale. e-1-37 10 Paul and a n

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HOME-BRED AND IMPORTED HOLSTEINS



We must sell at least as cows and before at once, to stake room for the barrent of the second second second second barrent; we also have a few young barrent; we young barrent;

H. E. GEORGE, CRAMPTON, ONT.

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HOLSTEIN CATTLE

If you are blinking of burying a choice your have blinking of burying a choice your have. Will sell and, to see a doesn beauting in beiter action call to see a starts averaging SV, but but on the starts averaging SV, and starts will but averaging SV, and starts will but averaging SV and starts will be starts as described. Yel-tors met as if familion by apportainent.

D. C. FLATT & SON, Millgrove, Ont L. D. Telephone 2471, Hamilton



FARM AND DAIRY

YOUNG

Pigs Wanted

We desire to purchase

several young, pure bred

Berkshire pigs, eligible for

registration. Also a few Yorkshires and Chester

Whites. Must be A 1 stock.

Circulation Dept.

FARM AND DAIRY

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If for Fall delivery, kindly state when to expect delivery

AYRSHIRES SPRINGBROOK AYRSHIRES

Are large producers of milk, testing high in butter fat. Young stock for sale. Or-ders booked for caives of 1999, male and female. Prices right. Write or call on

-3-24-10 W. F. STEPHEN, Huntingdon, Que

AYRSHIRES

Young bulls, from one week to one year d, large, growthy fellows, from Record

of Performance cows, on both sides. Also

two young cows, just freshened. Pri os

JAMES BEGG, Box 88, St. Thomas, Ont.

SUNNYSIDE AYRSHIRES

Imported and home bred, are of the choices breeding, of good type and have been selected for production. THREE young bulls dropped this fail sired by "Nether Hall Good-time" -2664-... (Inp.) as well as a few females of various ages for sale. Write or come and see.

J. W. LOGAN, Howick Station, Que. ('Phone in house.) 05-19-10

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"La Bois de la Roches" Steck Farm

Is the home of most of the coveted honors at the leading eastern Exhibitions, including first prize old and young herd. FOR SALE a few Choice Young

HECTOR GORDON, HOWICK, QUE.

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Ayrahires, Clydesde and Yorkshires

If in need of good stock, write for prices which are always reasonable,

W. F. KAY,

Write :--

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Cows, also Bull Calves

HON. L. J. FORGET, Proprietor

an increase as compared with last year of 35,000 boxes. Stocks on this side of the water have also increased during the past month, bringing the total to almost GALVES Raise them without Milk. Booklet Free. STEELE BRIGGS SEED CO., Toronto, Ont

pass month, bringing the total to almost 10000 boxes more than were in store at this date a year ago. The butter market is very firm and prices have been well maintained this week. Fincet creamery is solling at the dimary finest quoted at about 24%, outder-finest being quoted at about 24%, outder-finest being quoted at about 24%. Dairy butter is comparatively scarce and is selling at from IFo to IE according to quality. In the country the markets this week have sold all the way from 5% to abriching rapidly and there is a continued good demand for cream for hipment across the border at very full prices. CHEESE BOARDS

CHEESE BOARDS

London, Ont., Sept. 25.-No offerings were nade; the market called off until next

made: the market called off until next Saturday. St. Hyacinthe. Que. Sept. 25.-Sales-600 bys of called and the sept. 25.-Cheese sales. 5000 hoxes at 14%. Campbellford, Sept. 22.-T55 boxes of cheese offered; all sold at 11 546. Stirling, Sept. 23.-620 hoxes of cheese sold at 11% and the balance at 11 546. ord; 116 bdf no sales. Madoc. Stpt. 22.-530 boxes of cheese were boarded; 25 bdf at 11 5465; balance re-rued at same price. FrackWile, Sept. 20.-155 colored and 7.0 shite offered; 12 colored sold at 11 546. colored these offered. Sales were-55 at 11 7.56, 420 at 11% call 546. Alexandria, Sept. 30.-51 hoxes of cheese sold at 115.65.

ld at 11%c

sold at 11%c. Ottawa, Oct. 1.-842 boxes boar'ed 636 colored and 206 white. The ruling prise was 11.5166, at which price all was sold. Kemptville, Oct. 1.-Three buyers pre-ent, Sanderson, McVeigh and Lang. 428 boxes of colored cheese registered, and 350

obtes of colored cheese registered, and so old at 12%. Picton, Oct. 1.—18 factories boarded 1560 boxes, all colored; highest bid, 11%; 225 old at 11% and 155 at 11 7-16c; balance sold unsold

msold. Perth, Oct, 1.-1300 boxes of cheese board-d, 1000 white and 60 colored. A couple f lots sold at 11%c and the balance at 15-16c. Brantford, Oct. 1-650 boxes of che

Brantord, Cet. 1-00 boxes of cheese of-fered on the board to day; all sold; 400 at 11½c, 180 at 11 5-16c; 100 twins at 11½c. Troquois, Cet. 1.-650 colored and 70 while cheese offered; 80 sold on the board at 11 5-16c and the balance sold on the strest at the same price.

Variations in Cream Tests

(Continued from page 13.)

Again, the amount of flush water is Again, the amount of flush water is a factor in causing variation. An ex-cess causes a low test. Authorities at the Kansas Experiment Station state that, while uncommon, we might ex-pect a variation of 10 per cent. arising from the use of too much flush awter. Variations of the bowl will cause the test of cram to vary from 2 to 16 the normal action of the sequarator and may be caused by an unsolid or slop-ing foundation, improve oiling and

ing foundation, improper oiling and irregularity of speed. Variations in the test of cream may be common, but poor foundations and improper oiling

Whether cream tests high or le depends largely upon the speed of the bowl. The higher the rate of speed the higher will be the test. The lower the rate of speed the lower will be the the rate of speed the lower will be the test. Separators are supposed to be run at a certain rate of speed. This is necessary for the proper separation of the cream. If the speed is very great the separation is effective and the test will be high. If the speed is low, the separation will not be so good and the test will be low. Variations inflerences of freen 1 val 13 per cent. in the test of the cream. When an animal is fed separator

in the test of the cream. When an animal is fed sparingly, less undigested food will be excreted than when it is on full fed. This is also true in the case of the cream sep-arator. Allow the milk to run into the station will be also also also also also stim-milk coming separation of the stim-milk coming will be so close that some of the skim-milk

will be mixed up with the cream which will, as a result, give a low test. Al-low the milk to run in at full capac-ity and only the more easily separated fat globules will be removed. More cream will thus be found in the skimcrean will thus be tound in the skim-milk can and little milk will be found in the cream can. The result is a high cream test. The test of cream will depend from 2 to 6 per cent, upon the rate of the flow of milk into the separator bowl. The amount of scid is also a factor

separator bowl. The amount of acid is also a factor The amount of acid is test. When in causing variations in test. When milk becomes acid a slimy substance forms inside of the bowl. This serves to obstruct the cream outlet and caus-es the test to be higher. Sour milk also causes a higher test.

Sour milk also causes a higher test. When milk sours, clots form. These clots, however small, serve to obstruct the cream outlet and cause the sep-aration of a richer cream. It is thus evident that the test depends upon the temperature, the speed of the bowl, the vibrations and the acidity as well as upon the honesty of the instant. tester.

To Build a Silo in a Barn

10 Dulid a Jio in a Dath Would it be wise to build a slio in a bara, this being the handlest place for feeding. I could not possibly build over 20 feet high if built in the barn. What data as not, if built and is feet in amount of feed would a slio of that di-mension hold? I have been told that ach or elm sawed into half inch iumber and put on three of four ply, and the joints broken, makes good hooge-H. H. S., Starting and the start of the slow of the s

Silos constructed in barns are ally satisfactory and long-lived. They last considerably longer than silos built outside and are more easily kept in perfect repair.

in perfect repair. A silo 20 feet high will most like-ly prove satisfactory. Extra care would porbably be necessary in the fill-ing to keep the ensilage level and more than usually well packed around the wall.

the wall. A sile 20 x 14 should, if filled slow-ly and carefully, he made to contain 55 to 60 tons. Such a sile if built with iron hoops would cost from \$50 to \$75, according to price of lumber and labor.

Elm and ash hoops may be structed as described and are fairly satisfactory. This is true more par-ticularly when the silo is built under cover. Instead of three or four ply you would require five or six ply of the half inch stuff .--- J.H.G.



October :

AT FO Fo 100 acres in Western west of the William, on William, on street railwa tion, which property,, a the Junctio

way and P. \$100 per act \$100 per acr ance extende able in nine bearing inte bearing inte 100 acres of only four mi of Fort Will which is the from the cit, and only on Siding on the Siding on the above propert for dairy fa spring creek property. If free from sto per acre, on balance in fc four equal in two, three and terest at the per annum annum

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