hoe Factory PHONE M4778

W. ANDERSON PLUMBING and Hot Water Heating 21st Ave. W. Calgary

ming Summer and Fall Fairs

sfield, June 20-21. gary, June 28-July 5. onton, July 8-13. toks, July 17. gh River, July 18-19. dicine Hat, July 18-20 thbridge, July 22-27. nalto, July 23. ralwell, July 23-24. ombe, July 25-26. ed Deer, July 29-31. rose, Aug. 1-3. ysland, Aug. 6-7. dgewick, Aug. 8. rovost, Aug. 9. ne-Killam, Aug. 13. ma, Aug. 14. auvin, Aug. 15. gerton, Aug. 16. etaskiwin, Aug. 20-21. nont, Aug. 22. egreville, Aug. 22-23 aresholm, July 30-31 anum, Aug. 1-2. ulcan, Aug. 3. armangay, Aug. 5-6 cleod, Aug. 7-8. tavely, Aug. 9. anton, Aug. 12-13 angdon, Aug. 14. toney Plain, Aug. 15-16 oungstown, Aug. 1-2. Ibbald, Aug. 3. yen, Aug. 5-6. chdale, Aug. 7-8 Thinook, Aug. 9. Pelia, Aug. 13. Janna, Aug. 14. Munson, Aug. 15. Stettler, Aug. 16-17 Castor, Aug. 19-20. Coronation, Aug. 21-22. Big Valley, Aug. 24. mpress, July 30. Suffield, July 31-Aug. 1. Retlaw, Aug. 2-3. Lomond, Aug. 6-7 Winnifred, Aug. 8-9 Irvine, Aug. 9. Etzikom, Aug. 20-21. Manyberries, Aug. 22. aber, Aug. 22-23. ort Saskatchewan, Sept. 4-5. Innisfree, Sept. 5-6. Manville, Sept. 10. Vermilion, Sept. 11-12. Lloydminster, Sept. 13-14. Kitscoty, Sept. 17. Tofield, Sept. 18. Holden, Sept. 19. Viking, Sept. 20. Wainwright, Sept. 24-25. St. Albert, Sept. 26-27. Leduc, Sept. 17-18. Ponoka, Sept. 18-19. Alfx Sent 20 Bashaw, Sept. 24.

Hays (Lousana), Sent. 34-26.

Consort, Sept. 25-26.

Cochrane, Sept. 17-18.

Innisfail, Sept. 18-19.

Didsbury, Sept. 26-27.

Rocky Mountain, Sept. 23-24.

St. Paul de Metis, Sept. 4.

Priddis and Millarville, Oct. 1.

Mid Pembina (Dunstable), Sept. 13.

Bowden, Sept. 21.

Olds. Sept. 24-25.

Milnerton, Oct. 1.

Elk Point, Sept. 6.

Edson, Sept. 4.

Entwistle, Sept. 5.

Onoway, Sept. 11.

Busby, Sept. 17.

Nakamun, Sept. 12.

Colinton, Sept. 17.

Paddle River, Sept. 19. Westlock, Sept. 20-21.

Athabasca, Sept. 19-20.

Peace River, Sept. 6-7.

Griffin Creek, Sept. 9-10.

Waterhole, Sept. 12-13.

Grande Prairie, Sept. 18-19.

Spirit River, Sept. 17.

Berry Creek, Sept. 6.

Trochu. Oct. 3-4.

Gadsby, Sept. 27.

Official News for the Farmer, Rancher, Dairyman and Poultry Raiser



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PHONE M1003

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Effective Durable Practical

Nothing on the market like it for Safety, Simplicity, Convenience, Durability and Cheapness

No complicated machinery to get out of order. Any teamster can attach it to a wagon and

Most convenient because it is attached to the running gear and always ready for use re-

gardless of what kind of load is placed upon the wagon; either for the Box or Hay Rack,

It is automatically self adjusting to the grade of the hill, no attention on the part of the

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The fact that the brake is always operated by the pressure of the neck yoke on the lever

attached to the end of the tongue does not prevent the team from backing up, as the RE-

VERSE MOTION of the wheels throws the friction blocks forward, taking off all

The price of the brake places it in reach of all. No teamster can afford to be without it,

that has any kind of hauling. In a hilly country this brake is absolutely indispensible.

This Brake has been demonstrated in many parts of Alberta and proved out to success-

hill, where a box brake would require the strength of a man.

Our prices are low and reasonable.

FEEDING THE CHICKS

A good method of feeding chicks is the following: Secure a clean board, nail on strips to project an inch above poard on sides and ends. Feed 2-3 olled oats or oat meal, rubbed up ine, and -3 soft wheat bran, placed feeding board, with light sprinkling of fine charcoal and clean coarse sand or fine chick grit. We prefer the clean coarse sand for the first week. This should be fed four or five times



s given with the first feed and none tainable by other more shallow rootbefore. Don't use the grit too freely ed crops. bit in the feed each day for awhile.

old, begin to add a little commercial chick feed or finely cracked corn and cracked wheat to the above mixture. Gradually increase this until the rolled oats and bran are eliminated from the first or grain feed, then the rolled oats and bran are fed CULTIVATING SOILS

The Experimental Farms Tell About FALL WHEAT CROP Manurial Value of Clover The amount of semi-decomposed regetable matter or humus present in heir productive capacity.

ous and more retentive of moisture, in crop to about 600,000, as comparbut furnishes also the essential med- ed wth 700,000 in 1916, and an averwhich liberates plant food in the soil. endng with 1917. Furthermore, humus constitutes the

ogen supply. may be considered the chief means tions. These conditonis were repeatin of a green cover-crop such as rye, suit the yeild per acre as well as uckwheat, rape, vetches or clover. Of these, clover-where conditions growth—is to be generally preferred. it will not go over 30 per cent. By means of its deeply ramifying day and only a small quantity fed roots, clover disintegrates and aerates an increase n spring wheat seeding.

until the chicks are at least 10 days or An additional advantage which two weeks old, then it can be placed in a hopper so they may help themselves. Continue sprinkling a little that of its ability to assimilate free nitrogen of the soil atmosphere by means of minute bacterial organisms living and operating in small odules on its roots. Thus clover gathers the greater part of its nitrogen from the air ,and its phosphoric acid, potash and lime largely from soil depths beyond the reach of the roots

ceeding crops.

nd 100 lbs. potash. Experiments conducted at the Cenral Experimental farm, Ottawa, have hown that a vigorous crop of clover will contain, at a moderate estimate,

A good crop of clover from one acre if it were turned under, may, therefore, be deemed equal in ferilizing value, to an application of 10 tons of barnyard manure.

ni the experiments referred to, 10 lbs. per acre of common red clover was seeded down with various grain crops, while adjoining plots were seeded with grain alone. In no instance did the growth of clever depress the yield of grain with which was seeded.

In the following year, fodder corn (Leaming) produced 8 tons, 480 lbs. to call the attention of all farmers more after wheat with clover than and users of wagons to a new safety after wheat without clover. After automatic wagon brake, replacing the arley and oats, increases of 11 tons hand brake. 1.280 lbs. and 5 tons 1,440 lbs. re- This contrivance can be easily atspectively, of corn, per acre, were ob-

tained on the clover plots. With potatoes the results were attached there is no need of taking equally striking. After wheat, barley same off when removing the box or and oats with clover the increases rack. The reach can be let out 6 were, respectively, 43 bushels 20 lhs.; feet to allow the hauling of long 29 bushels 40 lbs. and 24 bushels of timbers or poles. potatoes, per acre, as compared with the yields from adjoining plots with-

everal years. On soils which are deficient in lime safety inventions. signed to benefit both the grain and great success and those who are the clover, 300 lbs. of super-phosusing the brake today speak very mate or 500 lbs. of basic alag, per highly of it. scre, may be recommended.

potash, about 2 per cent of phosphoric attached in place.

acid and from 20 to 30 per cent of lime. They are eminently suitable as a fertilizer for cloevr and, when procurable at a reasonable price, should be applied at the rate of from 25 to 40 bushels (1,000 to 1,600 lbs.) per

Yield in Ontario Will Be Much Below Average This Year; Spring Wheat Thriving

Toronto.-The fall wheat crop of Ontario will be a long way below the Humus not only fulfills the mech- average this year. Unfavorable weamical function of rendering soils por- ther last fall reduced the avreage put ium for the activities of the bacteria age of over 800,000 for the 36 years

Very small growth was made in the thief natural source of the soil's nit- new seeding last fall, and severe frosts before snow came subjected the Applications of barnyard manure young plants to very trlying condiemployed in the maintenance of ed this spring, when cold drying umus in the soil. Supplementary winds and lack of rain followed the neans are the growing and plowing disappearance of the snow. As a re-

From all quarters come reports o each time. Remove the feeding board the lower soil layers and brings up an increase n spring wheat seeding. The total acreage in this crop in Ontherefrom plant food supplies unattario last year was around 180 000 and the assistant deputy minister of agriculture thinks this may be increased to about 240,000 this season. The increase would have been greaer had seed been available.

CONSUMPTION OF WHEAT

IN CANADA PER CAPITA estimated that human beings do not consume much more than 5.4 bushels of ordinary crops, consequently en- per capita, which leaves nearly 31/2 riching the surface soil with these bushels per capita, or a total of apconstituents for the benefit of suc- proximately 25,000,000 bushels unacmounted for; that is, this amount is How does clover compare with neither used for human food nor shipmanure as a fertilizer? Barnyard ped out of the country. The only exmorning, noon and night, and the manure of good average quality congrain feed scattered in litter. This tains approximately 0 lbs. nitrogen, 5 fed to the livestock. A movement is grain feed scattered in litter.

Feed lbs. phosphoric acid and 0 lbs. potash under way to substitute other feed per ton. Therefore 10 tons of barn- stuffs, in order that this 25,000,000 s. nitrogen, 50 lbs. phospheric acid possible, may be availabe for ship-

166,712 CARS GRAIN INSPECTED According to the Dominion government figures there were 156 712 cars n its foliage and roots, from 100 to of grain inspected from September 1 150 lbs. nitrogen, 30 to 45 lbs. phos- last to April 30, practically all of sheric aci dand 85 to 115 lbs. potash which were of last year's crop. The figures showing the number of cars inspected at the different railway

> G. T. P. 22,347 14.3 C. P. R..... 83,757 53.4 C. N. R.... 49,937 31.9 C. N. & Duluth .. 671

The spring of the year is with us. a time when many inventious are launched on the market, and we wish

We take this opportunity of congratulating Glendower Allen, late of the department of telephones, for inmany accidents occur for the lack of

satisfactory growth of clover will We understand Mr. Allen has been e encouraged by an application of, working on this brake for many say, two tons of ground limestone per months and it has been demonstrat-acre. As a phosphatic fertilizer, de- ed in many parts of Alberta with

For further particulars refer to the

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from the blazing sun rays and the fiercest storm. If your machine lacks a top or is equipped with one that isn't absolutely storm machine lacks. isn't absolutely storm-proof let us put one of ours on it. We recover or rebuild; also make seat covers. Jobs shipped in will have prompt attention Western Carriage

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fully do the work. We will demonstrate it in any town for the benefit of those who use the wagon and require a SAFETY Brake. For Further Particulars Write to

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terminals are as follows: Cars Percent

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anyone; moreover once the brake is

The full benefits from clover will troducing such a necessary farm as a rule be noticeably persistent for wagon attachment, especially when so

Unleached wood ashes contain, on advertisement in this issue, which an average, from 4 to 6 per cent of gives a diagram showing the brake

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