THE ${ }^{\top}$ ARMER'S ADVOCATE and Home Magazink.
ThB LEADNGG aggicultural joviral in thi Dominion.

## THE WILLIAM WELD We Company (Lintron).

District Pugacications-EAstran And Wistren

> Eastern Oprics:
> Carling Strekt, Lowidom, Omt


Branch Office: Galcary, Alberta
W. W. CHAPMAN, Agent, Mowbray House, Norfolk Street,

JOHN WEL THB FARMiRR'S

## S ADVOCATE is published every Thuroda

 - (tas impuestial yed

 ADVERTISING RATES., Single insertion, 20



 7. THE Dubecrition is pai
8. ANONYitious ecommunieations will recevive no attention,


 sent unemust not
appered ithor col
rooeipo of potaze.
25. ALLCCMMMUNCATIONS in reference to any matter connected

Addreses-THE FARMER'S ADVOCATE, of
THE WILLIAM WELD COMPANY (Lnemtid)
Iondon, camada.
pasture grass to sow with the regular mixture in this part. So far the orchard grass promise. ouhers may be decided upon for next year

Apropos of the above-mentioned test of grass es. some investigations of the Experimen
For the past four years an interesting exper ment has been carried on by the Experimental D partment in comparing different pasture crops In all, sixteen variaties of grasses and five varieties of clover have been tested. Previous to this year the growing plots of grasses and clovers have beer cut six times during the summer, and the yieds anoin the aggregate of these cut ings, the total value of the crops as pasturage was ascertained. This year a difterent plan is being followed. Half of each of these plots $\mathrm{was}_{\mathrm{a}}$
fenced off when the erops hall math. sufficient growth for pasturage in the spring. On May 17 t three sheep
the fenc lots and 1 wo steers were pastured on the the plots, and two steers were pastured on the plots
from May 27 th till June 2nd. sheep ate down the timothy best, and the tall like the tall oat grass fully as wall as the tit othy. This fact is significant, since, by experi-
ments of the last four sears, (all oat grass produced the greatest y On Othard grass wa The cattle seemed to have a dwidwel preference y the end of Mays. They also fall eaten down dian blue grass, timothy, awnless trome, and red
grasses are going to become valuable additions to our pasture crops in Ontario. These grasses are succulent, rapid-growing va
in comparatively dry seasons. In the clover tests for shike and cominon red. Similar tests are to be conducted at intervals throughout the summer, and the final results wil se awaited with interest, since somise of good arieties of grasses in our Province.
The Experimental Department is also carrying other now work, a review of which will be presented to our readers a little later.
In the Dairy Department, Prof. Dean explained system of stable ventilation which gave excelent satisfaction later. A system of watering basins, installed lately by the Metal Shingle and Siding instal Proto is being tried along one row The feature of the basin is a butto which unscrews at the bottom, permitting vessel to be easily flushed out
In the Manufacturing Department łutter is being made this summer by the sweel-cream process, which Pror. Deean considers cream of about 35 per, cent. fat, pastelrize it, and run it immediately into 4 or 46 degrees, when it is churned at ance the addition of a starter. In reply to a question, we were informed that they are now investigating the need for a slarter, as it is by no means clear that its addition so soon hefore churning is of any particular advantage. We must, however, awalt further experiments berore pronouncing on this point. Discussing the some what critical comments in some quartermaking the claims made for sweet-cream of the critics the Professor pointed out that some ourizing prehad overiooked elopment of injurious germs, and hence obviated the necessity of ripening to control the flavor. Judged by results, the sweetcream butter is superior to the ripened-cream
product, the former having a mild, pleasant flavor, which is preferred by the great majority of those who have compared the two, particulary the girls of the Macdonald Institute (who should swent-cream butter has better keeping quality. In the Home dairy there are now seven makes of latter is recommended for a herd of
Without mentioning the remaining departments
cow specificaliy here, we may note that the teaching has progressed very satisfactorily during the past
year, the discipline being even bettor than in former years. This may be due to the fact that the responsilility is largely thrown upon the student bocy, who, in the main, are orderly and in insisting upon satisfactory conduct. One canvery wholesome place to send a boy. had heen At the time of our visit no one had acen
chosen to fill the phaces of Prors. Lochhead and Harrison, though applicants are nummerous. It is intended, President Crcelman informed us, to
secure first-class men, preferably Ontario boy who have got their training at ciacliph and hive
since had some experience abroad. In the Rio logical Department it is likely that som. new employing as head a spectialist in hotany and zoology, and assigning the botany to a lecturer. "r Frof. Lochhead severs his commection with the (".
A. C. this month to join Ulie staff of Sir Wm dications point to a rucord attendance this fal at the O. A. The number of alplications al 1 trip to the college is now incomplete with io the Macdonald ('onsolidated school, which
$\qquad$ building is the school garden, which, as is well
schools. There are both individual and class plots, as well as experimental plots in connection therewith, all neat remarkably well, the percentage being 92 per cent. of the enrollment in April, and 95 pèr cent. in May School has been visited by a great many people, including a deputation from the Niagara Peninsula, who, it is said, travelled all through the district without meeting one person who could find any fault. An even more encouraging er dence of the poputarity No. Guelrh is com that anothe sensolidated district when the schoul opens after the sumumer vacation

## HORSES.

## Cervical Vertebre Dislocation.

$$
\begin{aligned}
& \text { Sir,- I beg to return my eincere thanks for } \\
& \text { calling my attention to the case of dislocated }
\end{aligned}
$$ calling my attention to the case of dislocated

cervical vertebre in colt. It was not my in tention to make any comment on cases of thi kind, except so far as veterinary annals are con-
cerned. On enquiry to the editor of the Veteri nary Record, a paper devoted to veterinary prac tice, I find there is no record over the name a qualified veterinary surgeon of complete re covery The fact that the injury is so common and no authentic cases of complete recovery
makes the one reported unique. If Dr. McVicar makes the one reported unique. If Dr. McVicar
V . S ., will send me full particulars of case, also state of colt at present, I will promise that it shall go on record. Mr. I. P. McVicar states that his Thoroughbred colt dislocated the sixth and could not happen without immediate death as this bone has no inferior spinous process, and the transverse processes are triped, consieting on three eminences, out fracture, even in the dead subject. It only between the third and fourth or the fourth and fifth that dislocation can occur and recover plete recovery rare, and many conditions were plete recovery rare, and many conditions were
favorable in the cascs reported. The horse is aged in por condition the accident soon dig covered, the treatment prompt, and good help plentiful. Since reporting this case, a horse, tith
property of Mr. Edwards, Bracondale, met with the same disaster, but, notwithstanding ever effort to restore the neck to its normal condition, the animal had to be destroyed.
WM. MOLE, M.R.C.V.S.
Toronto.

## Draft Horse Breeding

English farmers favor the Shire as the blest. English farmers favor the Shire ars the blest
horse for the farmer to raise for work and to sell. A Live-stock Journal correspondent thus
urges the merits of Shire horse breeding : urges the merits of Shire horse breeding :
It is evident, in the first place, that the best draft horse will be the last to feel the effects of the motor on the road, notwithstanding the fact that motor plows, wagons, etc., are already nound field. But there is one advantage in a
sorse which a machine does not possess, viz. : that the horse increases in value up to six or seven years old, if it is in anything
like good hands, which the motor never does, be it ever so skillfully handled, and there is a feeling of satisfaction about owning stock-whether living or dead-which is increasing in value which creasing Further, the initial cost of setting up horseless machinery is considerable, and quite beyond the reach of a small farmer; whereas a Shire
may be bought which breeds a s500 stallion, one such instance having come under the writer's own notice, and instances are recorded of a Shire foal leing bought for less than twenty sovereigns
which afterwards made a thousand. No horse hater can claim similar results from a machine made of iron and steel, without entire reconstruc tion. In these days it becomes increasingly neing to stock his farm to wishes to make a live make the most of his produce without depending on receipts by the sale of hay and grain, and it is obvious that two or three roomy Shire mares
will give as little trouble as anything else either summer or winter, and, of course, they will cheer-
fully do most of the work needed on an ordinary With regard to selling, a good deal depends on he nature of the holding. If it is small, then it may he best to sell the young stock as foals,
and for this purpose the best sires should be
uised for used for mating with registered dams, so that
the youngsters arc given every possible chance of turning out ". trumps." and paying for the dam low-grown mares, unregistered and on the smadl

