Any nling lessens their power of hold fing.
2.4. If the crust is sound, and if the fitting of the shoe is accurate, and the nailing is good, toe clips on the fore fect are not alsolutely necessars. Ir rifin are used, the crust should not be rared out more than the depth of one ejght of an luell to recelve the clip.
On the hind feet, two cllus, one on each side, are generally needed to strengthen the hold of the nails. Toe clips are commonly used on the feet of heavy horses; but in the case of rid lag or harness horses doing fast work, they would be apt to cause over rea ches. For horses that lick agelast the stall posts, quarter clipe are necessary,
KBED THEM GHOWING-Foals should be taught to eat oats and a few cuher nourishing foods at an early are. This will enable them to muintain their condition, and go on improving, when they lose their first natural nutrimentthuir dam's millk-at weanlug time, bater on in the year. Otherwise, a great falling off will be found at an important crisis in their life. is sesere cheek of strength and growih at weaning time is seldom jerfectly compeusated lis any amount of gool treatment afterwards. It is essential that steady progyess should be maintained from the day of birth until maturity to perfect a horse to the extent of his porsars of development. The making of a larse greatly depnds upon careful nursing in the earlier periods of his existenre. Nutritious food and comfortable shelter from extremes of heat and of wet werther are essential to young roals.-" -ndon Livestocli Journal."

## CANADIAN HORSES FOR THE bBITISE MABEET.

By tho Secretary if the $\Delta$ morican Clydesdale Ascosation.
Eeavy dranght-cartiage horsc: 3 - Eun-nert-Colorrs-Enaters.

To the Editor "Farmer's Advocate: Slle,- The continucd and rapid growth of the esport trade in horzes during the last few years leads us to enquin what kinds are likely to pay the Camadian or American farmer best if he menus to cater for a share of that fordgn trade in future. A recent risit to the other slde enabled the writer to make some personal enquiries on the subject, the general replies being: "Sond us all the good herses you choose, elther ror draft or cartiage or road purposes, with plenty bone, size, and qually, and the more action they have the better price you can always get for them Your poorly shaped horses, whether trotting-bred or othemplse, with idde heads, ewe necks, spindle shanks, or curby hocks, we don't want at all." I asked the various uses to which import cid horses were being put, and was told Hiat a few, but only a few, of the very fear est are nited for dray or lorry work in the large cities; the hull of the Canadian draft horses are clther used in light lorries or vans, and many are sent Jnto the country, being well sulted for light farm work. A good many so-called carriage horses, but really misfits, also become "ranners" When thes land. Others find thelr way into busses, tramway carts, cabs, and hansoms, while an occasional pair is jicked up for gentlemen's carriage horses, and command really good prices It will thus be seen that Canadian and american horses, being of infinite rariety, are put to all manner of uses,
nod the horses which bring the best
prices abrond are also the highest pric- ' rox-hunting unequalled, it is not sur ed ones at home-the most diffleult to mislug that the demand and the price peoluce, and therefore the scareest. 1, obtainable for good hunting horses wfer to carriage horses and heavs, should encourage farmers to use Tho-
drafters. Those tivo lifuls-perfectly, dishact from each other-are the only hands that the average Canadan furm-- can hope to realice a substantial profit from, and the misnts of both kimis "ill sthl sell at a faldy remuacrative gigute for ordinary purposes. As to carrlage horses, there really seems no royal road to their proluction. They are occasionally bred in all manner of "ays, and the most careful, intelligent and shimful breceleis are often entirely at sea in their efforts to attain success in this line.
Many requisites are essential, but perhatis the chilef ones in a 16 -hand horse are style. quality, and action, while in the 15 to 15.2 horse it is like Demosthenes' three rules of oratory: "Action, action, actlon." Yes, strange as it mas secm, lofty, stralght, all-round action vill count about 90 yer cent. of the whole. Color used to cut a good dead of a agure, but not so much now, al. though chestnuts, bays, and browns are preferred generally, and If accompanied by attractive white stockings all the bette. (1) 'rhe main criticisms longet at our horses are lack of strength and stamina. Of course the Brittsh warons and rehicles of all kinds are much henvier than with us, and consequently nore strength is required in the horse so that the load may be drawn easily. without the straining and tugging inctdental to a light horse struagling with a heary load.
I was also surprised to learn, on the anthority of Prof. AlcCall, of the GhasYow Veterinary College-than whom none is in a befter position to juigethat the Canadian horses used in Glasgow do not, as a rule, hold out or wear as well as the Scotchbred horse of the s:me grade. Notwithstanding that the inus and fect of those Canadlan horses when brought across are generally excellent, for some reason or other, unlinown, thes don't stand the tear and wear as they ought, but seem to "play out" altogether too soon. The only explanation I can offer for this, in addition to change of elimate, is the fact that freguently young, green horses are taken across and nut into hears, er ustant work in the city right away: These horses cannot be acclimatized a:ld are In no sense fitted for such work antil thes are at least a year in the country. The same rule applies to European horses brought to this country, and it is unfalr to condemn Amerlean aud Canadian horses as "soft"" when they are not really getting a fatr chance to show thrir mettle. It is neediess to seate that ang green, unseasoned horse will glve was when placed in heary work alongside one whose bones and muscles are already hard and tough as whalebone. The inereasing tendency of our farmers to market thelr stock "early," espectally ia hard times, has thrown a great many four-jear-old horses on the market, many of them-being passed off as a year clder than they are, sud all users of horses know by experience that at this are they are in no condition for hard In, either on farm or in the elty. In a country where sport has such a hold upon the people as it has niways had in England, with the facllities for
(1) The old rhyme used to rum : ( ge white leg, keep to his end; Two white legs, sell him to a friend ; Three white legs, sell him when yous may
soughbred slres freeiy. In recent years,
however, Canadhun-bred huners lave cintered the dedd, and in many cases are able to hold thelr own alongside the best Hinglish or Irish productions, and there serins no reason why the export trade In hunters shouid not greatly increase in the near future. The great ossenthal to the successful breeding of weightcarrying hunters is the use of only the most aupertor 'rhoroughbred sires, whose strength, stamina, and absolute soundness are beyond dispute. Glven a supply of half and three-quarters bred mares of substance, such as I think there are in many parts of Canada, and If mated with large, sound Thoroughbred sires, I cannot see why tise produce should not equal the British-bred huntor in every respect, and he can certalnis be mised cheaper. The breder of lunters must, above all thlings, avold 'vecdiness" and unsoundness in every form, however, and no greater mistake can be made than to sactitice soundness, strength or stamina for excessive speed, or any or all of the other excellincles combined. A hunting horse without wind or without the necessary strenth to carry his rider day after day, ii necessary, is scarcely worlhy of the tame; and if he belongs to the "weedy" odder, is really of liftle use for any pur pose whatever. On the other hand, If he leappens to be somewhat short of quality or searcels cqual to. his jtimps, he will still at in as a cavalry remount, at $£ 40$ or thercabout; while if he turns out a successful hunter, four or five times this price may erentualls be got for him. True, there are many misf:ts, but by keeping up the weight those misfits are quite serviceable at remuserative if not extravagant fisures. Although Ireland has always been in the forefrout in hunter breeding, it is :encrally admitted that the IrIsh horses are by no means equal to what they
vice 30 years ago, aud one noticeable feature at all the principal English and Irish shows is the enormous proportion of light or midale weight hunters to heary welght-carriers-12 to 13 stone lunters being in far grinter numbers and of less value than 13 -stune horses. ror thils reason, if for no otuer, It is lighly essential that size and strength be sept prominently in viers by the Canadian hunter breeder. That both the demand from England and the price for the first-class liulshed article will keep up for mang years to come there no reasonable doubt whatever.
To the Canadian or American farmer who wishes to raise horses suitable for the forelgn market, the same adriee is applicable as for the home market. Try ro ralse them fust as good as you passibly can; use the best sires you can find, almost regardiess of service fee; feed sour colts generously, but give pienty of exerclse; handle and break them carefully but thoroughly; if for draft mimposes, do not oreriook the necessity of having them heavy ; and for any purpose, try to raise only such as are absolutely somend in trind and limb.
ales. Galmbaith.

## PRUVINCIAL FESPOSITION montreat.

Will oden on date arranged. The cuildings destroyed by the fire of Iuly coth will be replaced, and the manageequal if not surpassing those of ne ${ }^{1}$ vious years.

Four white legs, keep him not a day."

COMPOBITHON OF ANTMALS.
Investlgations nt Rothmensted brimg out the fact that the entire bodles, even of lean animals, may contain more tas than introgenous compouads, while those of fattence animals may contah several thess as much. That of the fat os contained more than twice as much, that of the moderately fat sheep nearly thiree times, of the very fat sheen more than four times, and of the moderately fattened plog abont four times as much fat as nitrogenous substance.
Further cateulations go to show that the increase in fattening oxen contalns seldom more than 7 to 8 per cent. of nutrogenous substance, and seldom less than 60 , and generally nearly of per cent. of fat. In the case of oxen fattened vory youns, the increase may contain about 10 per cent. aitrogenous sulstance and 50 per cent. Pat. With sheep the incrense usually contains less nitrogenous substance than with oxen, and about 70 per cent. of fat. The increase of pigs contalus, 6.5 to 7.5 per cent. of nitrogenons substance and fis to to per cent. of fat. In the latter part of the period of fattening sheep and pirs the increase contilins less nitrogen and more fat.-"Farmilag."

## SOUROSS In TET FOOD OF TER FAT PRODOOND IN THE ANIMAL BODY.

Experiments conducted at Rothamsted hoon between four hundred and ive hundred animals showed that much more fat was formed than could be accounted for by the fat in the food; and it was belleved to be established beyond doubt that uuch, if not the whole, of the fat formed in the bodies of the herbivora fed for the production of meat was derived from the eabo-hydrates or the food.
"In fact, the experimentally determined relation of the non-nitrogenous and of the nitrogenous constituents of the food, respectlvely, to the anount of increase produced; the composition of inteniag increase geuemally; the relatively greater tendency to grow in frame and to form flesh with highly nitrogencus food; the greater tendency to form fat with food comparatively rlch in non-nitrogenous substances, and esreclally in carbohydrates; and commicn experience in feeding-all polnted In the same direction."
"Farming."

## Special Notices.

The Turunto Industrial Exhibition, now knnun as Cayada's Great Fair, is an occurrence to which almost every Canadian looks forward with pleasurable anticipation, as it is made the occasion for their annual holiday outing It is to be held this year from the 3 rst August to the 12 th of Septernber, and as the live stock exhibitors and various assocfitions have agreed to have their stock on the grounds from Thurslay, the 3rd Scptember, till the close of the Fair, the firs week will now be as good as the second We have received a copy of the Prize List, which is unusually well gotten up. Any one desininj dropping a post card to Mr. IH. J. Hill, the Manarecr, Zoronto. A great programme of interesting attractions is promised. Applicatigns for space should be made early The l'rize Livits for our own Montreal Fair are also ready and prompt application should be made for copies, or to secure spacc. See advertisement, first page.
When the sealp is atrophied, or shiny-baid, no pre paration will resture the hait; in allother
cases, hall's lair Renewer will start a growth.
Ayer's Apue Cure is a vegetable product, and is a never failing remedy for all malarial disences Warranted.


