amply dereloped; and me sincercly hope thes will. Besides tho double cross of Duke of Glo ater thirnugh
his dam, the calf inhertis no ferser than three reptithons of that cross through his sire 2nd Duhe of Wharf dale. Mr. Eastwood, it will ber remmbrem, bourth at the Townley salle, in addition to Rogat liuterifs Pageant, Barmpton Butterily be Mogai Butlerly lior
 900 guineas ; and Duke of the Buiterilien thiry-thro. dags old. by Duke of Wharfala, (19.the ine ine 11:0 guineas. Three of has purchazes Were of the barmp. lerby family of Madaline by Marcus: but the finisho ing crosses, the splendid brothers Master Dutterily and Royal Butterdy. Barmpton Rose hulls. mpart Mr. Eastroods farourte blond with peetiliar emphasis."
Wo add another extract from the Messenger in roference to M. Thury's plan for producung the sexes at will :

Mr. Bruere says that he tried the Thury plan. wantling females, and, except in one instancr, male came. Thero was, howerer, another case in which $t$ trins of opposite sexes were produced. We fancy that people will return to the old was of thinking. and, putting lrofessor Thury on one side conclute der males, and others females ; or that an eminent living physiologist may conjecture righty when he suggests that the sereral ol.3 are already of one or the other sex. and that the fotus comes necessarily according to the sex of the orum producing it. It is conccirable that means might be adopted by which sex should be, not determined, but ensured: some means of cliciting the female or the male orum, and draming it, in preference to one of the opposite sex. forth from its tomb of dormant life : but the seeret does not seem to have been discorered by M. Thary:

## Flas Seed and Flax Bolls as Food for Stock.

We some time ago stated that the Irish Farmers' Gaecte strongly adrised its readers to use tha abure articles for feeding purposes. Uar able conterapurary continues to gire line upon line ad precept upon precept," in ref.rence to this matter. We quote pa
We hare sometimes hal occuriva to adisec a man ogifea "bit of cake" $t$ sume unthrizing heatt tho shoulders, and an "oh' nil cabe is all rery well for big, men, but poor farmers cannot afford such things;" while that rery man had but a short time previously len forty or tifty pounds worth of eax secd Now, a man who really understands the value of flax seed or gax bolls would as soon think of selhing the coat of his back as dispose of those articles, if he bas cattlo and sheep to eat them, ubleres he has at in clded overplus aner satisfying his own requirements. Eren the chaff of the bolls is of value, as may be easily ascertaiced by putting it in a bo.s fitted with a closo $1: 1$, and pouring boiling water ofer the chaff, allowing it to remain corered up for ten or twelee hours. Put a little salt among it, and if giren eren in this state to cows. it will ber found to hare the effect of increasing their yield of malk. This facttha value of the chaff of idas botis- "as poutced vut many years ago by wur wid friad. Mr Nirin. Chrome Mill, near Lisburn and our wirn - rpreinnce has corroborated lis opinion Du, nut, therefore, allow eren the chaff off hax holls to be thrown aray
 feeding material is thrown awas
mised with boiled turnips and oulur matroiats suc $h$ 2s are frequently giren to multh corss, so muth the better; but eren the chaff itself ought not to be despised as a thing without value. Flax wolls when put through the mill, should not be dirested of the claff along with it, as sucla prerent the stones from being clogged, and by absorbing the ult, thecome raluable as feeding materials.
A misture of crushed inseed ground corn and cut stram was prepared by Mr 3arshall Yorkshire. in the following manner:
"The crushed hasced is buited ta water - lith. of lingeed to $1 \frac{1}{2}$ gallon of water - fur twin or three hevirs. The ground corn and chopped htray are mised to gether arst, and the boiled linsend is poured over
them and mized with them, on a dour with a shovel ; tho heap allowed to stand one or two thuurs, and gicen Fhilo get warm; for if allowed to stanc a few hours the mass ferments and qaickly turas sour Eence the necessity for the strictest cleanliness in all the vessels and implements made uso of."

The quantite giren dails to fatheng beifer, weighing 6 cert. $\pi .2: 2 t h e$ of crashed lingred, sithe of ground curn. 101 llos of chip iped strams and about to
 straw in the riehs at nisht. The rattion wren ford foim emed daly, alternatels with the foul prephred as howe nend the raw turinips.
 is rattio fo Il. di, eces that thi linseed - bur fint reduced to a hiac mo.n. ond pound and a half of Whech. stirred with 12 itin of water whate it is holang sith ti puunds of harl-a. bean, or pea-meal, and given to a bulluck of be:ween 40 and 30 stone, every day. will in addun,n th swedish turnips, bo quite
 edt to eat. Lanseed meat thay atso bu buted and mixed with boited turnup., mangets. Ac., and giren with adsuntage to fathening bullocks, and it may be nlan mixed with pulp pid lirnipa. in the praportion of one or two pounds prer heat, according to the size of the beasts. and the purpose for which they are intended In fact. a mun with plenty of thar bolls in his powaspion can do almost angthing with stork and we rould adrise all who hate a supply of that article. and beauts sin eal it, to think twice ere they send it in its natural nate to market. Let them send it on four loga, and get all the benefit pozsible out of it for thrir own adrantage, in which me mas include a very decided inprovement in the quality of their farm-yard dung ; abundance and good qualits of Which is still the janinstay of farming. notwithstanding all that

## Svine as Stock.

Fsx domesticated animals are more unitersally found than strine; and so it is of their flesh when the animal is fattened; it is used in some way in almost all families, if not in all , when but halr fattened it is often slaughtered, and found better than that of any other farm animal's flest in a .imilar condition. It is a maxim that animala ahould be well ford from thrir birth upwariss, an of mon is this mare em phatically true than of swine. The ${ }^{-3}$ swill-pail Breed, it as it 18 called, goes to confirm this maxim. But it is not true, wy altirmed by nume, that any
 there is a difference, and, thereform a choi
breeds of nogs. as of other animala of the farm.
breads of hogs as of other animala of the farm.
Swine multiply rapidly : two litters in a year, of eight or ten pigs cach, mas be ordinarils raised from a sow, and even more, but tro are enuugh. sixteen pigs annually from a sus. hept as a breeder, are said to be better than twenty four Where the number is large the pigs are generally pung thinga, for they are not sufficiently fed from thu suw to grow well. There may be exceptuns to this rale, but generally it whl ine found true During the suckling seasun the sow demands feed that is suitable to making millk ; whes, milk, and eren water when these are not to be had. -thickened with meal., may be used for this purpose. On weaning the pigs, dry. heating feed should be u3"d for the sow. The pigs, when weaned, should be fed with cream, milk, or whey, with a little meal stirred in They will soon. however, be able to - rough it," as the phrase goes, with store hogs, of which they become a part.
It as generally acknowledged that asine produce the thuot flesh tucast fut the fecu cunsumed, with the lew-t y vantity uf hone. "f all tho tarm animals, and also that they ferd on more that would otherrise be catirely Wurthless. than other farm stock. It has been said that any family may keep one hog or more, wila lut little forel in addition to the waste or garb
 hur is so generally found There is hardly any green thaw that swine will nut fered apun, thrive and grow In the store condition, raw feed is generally given ; cooked feed in the fattening season is saill to make gesh fastor than uncooked. though it is claimed by some that the meat is not so good. The Western pork is mostly made of hogs fed on uncooked fecd, and the desh, as maintained Ly sume, is firmer, and the pork swecter to the relish than that fed on cooked feed This is a subject worthy of consideration by farmers
While cattio and slecp are only kept to any extent on caltirated tarms, the log. on the contrary, is domienced near ammutwery diseling for reasuns already blated. There is nu bueat that su small a piece Wamily prepare so large an amount of vegetables for family use, as pork; hence, another reason for the
untrersality of swine. Un dairy farms, hogs are seneralig kept as cousumery of whes and sour milk. These liquids, with a li:tle meal, produce a large amount of meat for families and for the market, and this too from much that would otherwise be thrown , awny as waste. This eeryes to enhance the ralue of
swine as farm stock. A poor man that bas a amall garden, and keens a corr, can keep a pig or tro, and thus wise be throrin aray, aimont sulalient for their subsistence, so tar as animal food is conserned a part is used fresth, with the offals. part is salted, a part is cured as bacon, and part is mado into sansages, and uesides, the lard ia used as an important article in cooking a great ratiety of things for the table. For the labouring population, who learn to live ceonomicalls from necesits, un other stock animal is so imporiant as the tog. It is emplatically a homo production, converting what would otherwise le lost into that saves money for other faraily uses. It ruald bu dificult to see hory the poor cuald live as well us they nuw do, but fur the pig. There are those who denounce this animal antil the use of its flewh for dietetic purposes; yet most of thers consumo swines flesh or lard in some form. It will be a long time before dintetic reformers, so callen, will succeed in expelling swine from among farm animals, or thetr flesh irom the table In its nutritions qualitics pork is ranked with beef as 21 to 26 ; to mitton as 24 to 29 ; and to chicken as 24 to 28 . Sucking pigs at the age of three or four weeks, are deemed luscions food by some, but it is rather indigestible ; therefore, not well adapted to tho stomach. Of breeds there aro many: they are quite rarious, concerning rhich brecders and feederadiffer widely in choice. Betreen the Suffolk and the Yorkshire, or Chester County, the diference is wide-some preferring the one and some the other, while others still prefer grades derived from crossing the larger breeds with the smaller to either. It is easy for all to be suited in this respect in these days of improvement. Thoso who prefer Chesters or Yorkshires to Suffolks or Berkshires can be suited, ns those can who prefer grades, ns somo do, obtained by crosses of these different hreeds,-Hfass. Plovman.
grie A noa wrs recently sold in Atchison, Kansas, which weighed 1,122 pounds net. It brought ten cents per poutu, making \$112.20.
grit As honest fa:mer thus writes to the chairman of an English agricaltural society:-" Gentleman, please put me dosin on pour hast of catle for a bull.'
纷 A noted racer, " Blair Athole," has lately been sold in England for 7,500 guineas, or about Sul, wuy-wheth is by far the largest sum," sags Bell's Life, ' given in modern times for a race-horse."
A Jldue of Purk. - " No man mas better calculated to prejudge pork than my husband was," says Mrs. Partington; ". he knew what good hogs wero, he did, for he had bern lrought up with 'em from his childhood.
Monster Moo.-Mr. Thomas F. Tibbits, of Littlu River Mills. Victoria County, N. B., killed a hog rocently, aged two sears, which reighed seventeen hundred and eleven pounds. We have seen nothing recorded to equal this.
A Heaving Stoceed Fars.-At a late meeting of the East Lothian Agricultural Club it was stated that one of its members then present, 3f. Hope, of Fenton Barns, England, was keeping, in 1863 upon a farm of 653 imperial acres, only 98 of which were in turnips, 1,200 sheep, 90 catle and one hundred pigs.
Laroe Moas.-Within the past few days our farmers have been bringing into the market great quan. titics of well-fatted pork, for which high prices have been readily paid. Mr. John Jenner, of the Township of Ralcigh brought in one hog which alone reighed 604 lbs., and brought in cash $\$ 14$. Mr. Robert Lowe, of the Kent Mills, being the purchaser. The hog was bred by Mr. Pardro, of Raleigh, and fed by Mr. Jenner. Muro recently Mr. Peter Grey, of Harsich, brought a hog to market which weighed 657 lbs.. for which he wno offered $\$ 41.61$. Kent for ever.-Chatham Planet.
Price of Far Stoce ni Engrand.-Sir A. de Roths. child s annual sale was held on the 7th ult. at AstonClinton, Bucks, and was attended by Messrs. Slater, Cowell. Shopland, and other metropolitan butchers, also a large number of butchers from surroundilog towns and districts. The Highland Scots, 3-year olds and 4 gear clds, areraging $£ 29$ each, Short Horn oxen and stecrs, $2 \frac{1}{2}$ ycar olds to 4 -year olds, ditto beifers and cors, 3 -year olds and upwards, $£ 3713$. Cd. a piece. The sheep and pigsercited much competition. Twoshear Oxtord Downs averaged 71s. ; ditto Sussex Dursns, 57s. Berkshire and cross-breed pigs realized 10s. to 11 s . per score of 20 lbs. Some choice specimens of cross-breed pigs (small whito and Berkshire) mado 12s. per score. Total procecds of sale, orer 22,500 .

