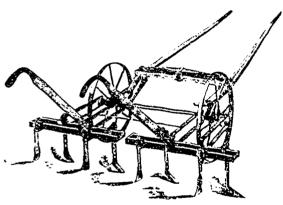
Much interest has been shown during the last few years in the cultivaseed through the same firm, and it proved not to be true pasture rape, but a species of bird-seed tape. The variety and this grown for pasture is the Dwarf Essex additional i (1) This variety seldom if ever seeds (Fig. 1), prodying an abundance of leaves an oder stalks greatly relished by animals Tb and seed rape, on the other hand, grows less spreading and, about sixty days from plantflower stalks are thrown up producing a yellow flower resembling mustard. In the early growth of the two plants they can be distinguished by this spreading habit of the Dwart

Essex and its apparent slower growth. The Dwarf Essex pasture rape is largely cultivated in England and Scotland (2) for torage purposes, and has been cultivated in America with consi- July. This will give all weed seeds an derable success. In this country the opportunity to germinate and be Essex rape (3) The results at the Min cultivation nesota station were very promising and Rape is sown in rows thirty inches its use was recommended as desirable apart. (2) One pound of seed is sufficient

where many other crops fail. Any have yet to learn, however, whether or of bloating Sometimes, when trozen, learny soil will produce rape not the enormous number of seeds rape produces digestive disorders which produced will grow into troublesome are serious, so the feeding should be so weeds next year. In Canada, rape tion of rape for winter pasture. This growing to pasture, has been practiced interest has been so w despread that on a large scale, and the results are growing tor pasture, has been practiced several experiment stations planted uniformly very encouraging. It is rape on an extensive scale. Unfortune claimed that one acte of rape will feed ately most of the stations procured from twelve to eighteen head. Claimbs ten pounds per month is not uncommon, is accomplished without additional food

Pasture rape grows very rapidly the first year being a biennial or, more and produces a large amount of feed properly, a winter annual. It grows in a short time. Hence it is often sown hazurantly, with a spreading habit as a catch crop. It does best if planted from July 1st to the 15th (1) It can be sown after a crop of hay has been removed or can be sown as late as removed or can be sown as late as August after harvesting wheat Whatever soil is chosen it should be thoroughly plowed and harrowed to thoroughly plowed and harrowed to peared in full force. There were eight in sheep, there are financial reasons of shearling wethers, seven of for discussing the question thoroughly ployed and harrowed to properly fine the soil Rolling should retaining the moisture and firming the soil. Rape is very useful as a weed cleaning crop, and if land is very weedy it will often be found desirable to plow it in spring, and harrow thoroughly until tipe for sowing in derable success. In this country the opportunity to germinate and be Minnesota, Michigan and Canada expedestroyed before planting the rape, riment stations have grown the bwarf thus materially desening the after

in a diversified system of farming. At for an acre, an ordinary garden drill the Michigan station, during the season for a small acreage, or a one horse



FOUR-BOW ROOT CULTIVATOR

of 1891, a plot containing one fifth of turnip drill, sowing two rows at once, an acre, was planted to pasture rape, for more extensive fields, are employed lambs were turned on the rape plat supplied them with an abundance of food for forty-two days and they indicate the great value of rape as a fattening food for eattle sheep and goats.

During the season of 1892, fifteen acres were sown with what was sup- is not often necessary posed to be Dwarf Essex pasture rape. It proved to be the bird seed rape were turned on it. September 23d, These were supplied with all the salt they desired, and were weighed October 28th. They had game I, in these thirtystripped all the leaves from the plants leaving simply the bare stalks with seed pods, which the lambs would eat Thus, even bird-seed rape cannot be If these precautions are taken, there regarded as entirely worthless. We need be no anxiety concerning the risk

and early in September two Shropshire for this purpose. As soon as the The rough leaf appears, the cultivator Cows vs sheep—The following example should be run through between the tract from the Country Gentleman, a rows. A machine weeder is very useful sort of reply to a previous communication cultivating before and after the rape cation on the superior profits to be gamed during the period twenty two in cultivating before and after the rape cation on the superior production pounds each. They were fed in addition has come up, killing young weeds derived from dairying over those from one-half bound of oats per day. 4) without injuring the plants. The sheep-farming, does not seem to us to be a superior production on the superior production. plants cover the ground. It is rarely necessary to thin rape, and it grows so derived from the dung sheep being derapidly that weeds are seldom trouble. some in the row, so that hand hoeing The foliage smothers weeds About the middle of September, sheep, or cattle, or even The cultivation was carried on the hogs may be turned on rape. It seems same as for Dwart. Essex, and lambs to be most useful as a food for sheep. and is frequently used for this purpose Some cautions are necessary when the tock is kept, as it always should turning hungry animals on rape, be, most part of the day within the There seems to be a tendency for hurdles. five days, fifteen pounds each, and had animals to bloat if allowed to cat too much at first. It is always advisable to give animals a full feed before turning them on the crop, and do not turn on only in the absence of other food, before the dew is off in the morning

planned that the rape will be consumed, before severe weather comes on. (1):

for those practicing a rotation of crops Its great value as a weed-cleaning crop, at their best, will commend it to all: culture - American Agriculturist

chief prizes winners were. Lord Howe, this problem, I applied to a friend who Sir I.d. Hulse, Messrs Newton, Whalley-Tooker, Judd, Sir T. Maple, M. P., Messrs Burton, G and T. Coles, J. H. Large, Glodsmith, Lyne and Baron-Should any of our readers wish to correspond with any of these breeders on the subject of their sheep, a letter, addressed to the care of "The Secretary of the Royal Agricultural Society, 12 Hanover Square, London, W.) To be forwarded," will reach its Interest one year on \$1750, destination.

A Hampshire-down lamb-ram drop ped, as it probably would be, in the of October would be capable of serving 40 ewes, and, in three generations, the whole face of a flock of that number of ewes would be completely changed. Such a lamb could, at present lowprices, be bought for about \$30 00 of any of the best ram breeders.

Wood -The price of wool is decidedly improving. Down tog-woo'-i. e. the first clip—is now worth 10½d., stocks being very low in England, spinners very full of orders, and declining to undertake new business except at enhanced rates.

tice is taken in either of the profits posited on the land where it is wanted without the expense of cartage, spread-will support sheep remuneratively. We are not speaking of farms where sheep are allowed to run about loose 300 lambs, at \$4......\$1200 00 all over the land, but of farms where

Still, even with these omissions, we think Mr. Ickis makes out a protty 3045 bush, grain sold. 1276.90 good case in favour of the sheep. 350 ewes, if put to ram in full flush of health, ought to produce a good deal more than 300 lambs. At least 20 There would be \$1100 more profit per cent ought to rear twins: this if, as correspondent calculates, 350 would give 120 lambs as the number for sale. And, again, one man and a

EDS. COUNTRY GENTLEMAN-In the The cultivation of pasture rape will last issue of your paper a correspondoubless be a profitable undertaking dent propounds what to me is an interesting question. From his held of for two months. An average gain of the possibility of using it as a catch fifty cows the sales of milk last year crop, the remarkable results obtained amounted to \$4,562.50. In the place from feeding it, and the fact that it of the cows no could keep 350 ewes, comes at a time when pasture, are not and sell 350 lambs at \$6. He thinks who are desirous of adding one more) there is a much larger profit in the profitable crop to American agri- cows. This question interests me be cause of a natural fondness for such problems - because I manage a sheep farm, and because I am within an hour

> is one of the best sheepmen of Eastern Ohio, but, like myself, with no experience in dairying. Taking his pencil and paper, he made the following est:

value 50 cows...... \$105.0 Pasture 50 cows 7 months at \$1.50 per month...... 525 00 1 bush, corn and oats daily per cow for 5 months...... . .1575.00

CR

Hay, 100 tons, at \$12..... 1200,00

Labor, three men ...... 600.00

Milk sold.......\$4562.50 50 calves...... 250.00

Profit......\$707.50

Now, on the supposition that your correspondent has on hand the 100 tons of hay and the 3750 bushels of grain required by the cows, and that in their place he buys 350 ewes, the account should stand something like

## $D_{R}$

Interest on \$975, value of 350 ewes, for 8 months.......\$ 39.00 35 tons of hay, at \$12...... 420 00 705 bush grain for 6 months... 296.11

CR

5 lbs. wool per head, at

25c ..... Gain on ewes when sold 525.00 65 tons hay sold ...... 780.00

Profit.....\$3163.79

Di

lambs had been sold at \$6. Perhaps boy could easily look after 350 ewes. his estimate may not satisfy every one, and if it does not, I hope they will furnish some other solution.

Jefferson County, O. John G. lokis

(I) Or the Coiza or Colesced, the quality which we have always I and a little

<sup>(1)</sup> Called, in England, a bastard fallow

better than the other ED

(2) Not much in Scatland Eo.
(3) And so have we, but every one seemto have ignored our altempts. Eo

(4) A few peasy would have been better

(5) It is always sown broadcast with us
smother any weed. And its great attraction
is that it requires no hooing and ought therefore to be very popular here. Eo

(6) It is always sown broadcast with us
smother any weed. And its great attraction
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(7) It is always sown broadcast with us
smother any weed. And its great attraction
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(8) It is always sown broadcast with us
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