

gums of the lambs, causing many teeth to fall from the mouth. A heavy land farm with only one cow, and it suffering from garget, and upwards of 50 lambs deprived of milk of the dams, and requiring artificial food, and as many of the ewes suffering acute inflammation of the teats and udder consequent upon the boils and garget, so great appeared the sufferings of both ewes and lambs that, so far as ailments of animals are concerned, I never witnessed a more pitiable sight; none but a shepherd and owner of a flock in such a condition can comprehend the difficulties of my case. By the direction of Mr. Seaman, veterinary surgeon (under whose management I now placed the whole stock), the young lambs were fed with barley, malt, sweet wort, and linseed cake porridge. The older lambs had crushed beans (not bean meal), all they would eat; and I have great pleasure in stating, that so appropriate was the food, and so efficacious the medicines used by the doctor, that fatality amounted to but one ewe and two lambs. Scores of ewes suffered from garget of the most painful kind, yet but one ewe lost a portion of the bag. I believe it is Mr. Seaman's intention to shortly publish a pamphlet upon this (to us) new disease, which, if it contains the particulars of treatment, will be a great boon to the flockmaster. An artist has been employed to make drawings of the diseased parts, for the purpose of illustration."

MR. HANNAN, an eminent Yorkshire agriculturist, asserted most positively that wheat cut when thoroughly ripe is both less in weight and inferior in quality to that which is cut a week or even a fortnight before thorough maturity. His first experiments were made in 1840, when he took three separate samples of wheat to market, and found that the grain on August 4, when still "green," fetched 61s. per quarter, while that which was cut on August 18, and technically called "raw," fetched 61s., and that cut on September 1, quite ripe, fetched only 62s. In 1841 he instituted more extensive experiments, and the judges at the following agricultural show at Wetherby awarded an extra premium to the wheat which had been cut a fortnight before it was thoroughly ripe, and the price it fetched in the market fully bore out the decision. He then had samples of the various kinds of wheat ground and dressed by a careful miller, and found that the produce of half a rood cut on August 26, while "raw," yielded 15st. 10lb of grain; that a similar produce cut on August 30, also "raw," yielded 16st. 6lb.; and that cut on September 9, ripe, yielded only 14st. 13lb.; while the weights of the grain per bushel were respectively 61 6-7lb., 62 22-59lb., and 59 5-7lb. Further, 100lb. weight of the various samples of grain yielded in flour 80 40-43lb., 77 8-22lb., and 72 19-20lb. respectively. The advantages of the early cutting were, in fact, in every way surprising. There was a gain of above 15 per cent. in weight of flour upon equal measures of grain, and nearly 8 per cent. of flour upon equal weights of wheat in favor of the earlier cutting. The theory upon which the results are explained is this, that as the sugar in the green plant becomes changed into the starch of the grain, so if permitted to remain till fully ripe another change takes place, the starch being gradually converted into wood fibre, it being a well-known chemical fact that sugar, starch, and fibre are composed of the same constituent elements. Mr. Hannan also claimed a better quality for the new cut grain,

Professor Johnston having analyzed these several samples, and found 9.9 per cent. of gluten in the raw wheat, as against 9.6 per cent. in the ripe. Another eminent Derbyshire agriculturist, Mr. Fletcher, published the results of similar experiments in 1844, showing that the raw-cut grain brought him £1 10s. 9d. per acre above the produce per acre of that which was reaped when it was ripe. Fourteen days before ripeness was the period at which he fixed the time for reaping so as to secure the largest yield and the finest flour.

THE CROPS AT WEYMOUTH.

Weymouth, August 19th, 1867.

DR. LAWSON.—The crops in this section of the country are very good with the exception of potatoes. The tops were very promising until taken by the blight which has come on much earlier than usual, consequently the yield is light, and if the rot should take them, of which there are some cases already, the crop will be a failure.

The fruit crop though not very promising was much better than last year, until the recent gale which destroyed a large quantity.

Yours, &c.,

WM. H. S. DAHLGREEN.

THE CROPS AT DIGBY.

Respecting the crops I would say, that we have a good crop of hay, but the weather has been very unfavourable for getting it, grains of the various kinds, promise a good yield, I think the potatoes will not be as good as last year, the blight has made its appearance, no doubt it will cause a great loss to the country.

Yours, &c.,

JAMES M. AYMAR, Sec'y.

Reports of Agri. Societies.

AYLESFORD AGRICULTURAL SOCIETY.

This Society held its annual meeting on Tuesday, 4th of December, in terms of the Act for Encouragement of Agriculture. Most of the members were present. Willis Foster in the Chair.

The Treasurer presented his accounts for the past year, which were examined by the Auditors, J. W. Warner, G. Margeson and E. Armstrong, and reported correct.

The following are the receipts:—

Subscriptions from Members in 1865.....	\$41.00
Provincial Grant.....	40.00
Subscriptions from members in 1866.....	40.00
Services of Bull.....	25.00
	\$157.00

EXPENDITURE.

Cost of one Devon Bull.....	\$60.00
" of bringing bull home.....	2.00
" of keeping bull 8 months.....	36.00
Cost of one Leicester Ram.....	50.00
	\$148.00
Balance in hand.....	\$11.00

Office-bearers were elected for the ensuing year, viz:—*Pres.* Archibald Walker; *Vice Pres.*, Zeberlon Neiley; *Sec.*, John Foster, *Treas.*, Wm. Rhodes.

In regard to the crops in Aylesford, Wheat although not much of it was sown what was sown in most every instance was good. Rye rather better than last year. Corn excellent. Oats good, although damaged some by heavy storms in August. Buckwheat excellent, never better before. Potatoes much diseased, Beans good, Turnips fair crop, Hay rather more than an average crop, Apples better than last year. Upon the whole the prospects of the Farmer are brighter than last year, although flour is much higher.

ARCHIBALD WALKER, *Pres.*
JOHN FOSTER, *Sec'y.*

Aylesford December 24 1866.

ANNUAL MEETING OF CHESTER AGRICULTURAL SOCIETY.

At the annual meeting of the Chester Agricultural Society, the following officers were chosen for the current year:—

President, Edw. Heckman; *Vice-President*, Robt. Smith; *Sec'y.* H. B. Mitchell; *Treas.*, David Whitford; *Directors*, William Duncan, Thos. Whitford, Stephen Corkum.

As the law requires the Secretary to forward a copy of the report of the officers, the names of the paid up members, &c., I subjoin the following information.

At the annual meeting it was agreed that the Threshing Machine owned by the Society be sold at auction on the third Saturday of February, 1867. The sum of \$6 was voted as an annual payment to the Secretary.

Fifty young apple trees were ordered from Mr. Harris' Nursery, through his agent, Mr. Mason.

It was voted to subscribe for the *Journal of Agriculture, Canada Farmer, and American Agriculturist*, for the year 1867, and that the same be kept on file, in lots, at each meeting.

The receipts and expenditure of the Society during the year, were as follows:—

RECEIPTS.

1866.		
By balance cash in hand.....	\$121 44	
Cash from 52 members, at \$1.....	52 00	
" from oats and grass seeds sold....	33 31 1/2	
" for 2 young Berkshire pigs sold....	3 60	
" for 3 young Suffolk do.....	5 30	
" for service of bull outside Society, 10 50		
Amount of Provincial Grant.....	56 00	
	\$282 15 1/2	

EXPENDITURE.

1866.		
Jan'y.	To paid for 2 Cotswold rams.....	\$30 00
"	" 3 Berkshire pigs.....	10 00
"	Expenses of procuring above.....	9 00
Feb'y.	Paid for 3 Suffolk pigs, with exp's, 12 00	
"	" 100 printed notices meet'gs, 2 00	
"	" postage Secretary, 1865, 0 50	
"	" 1 Alderney bull, \$36; exp- penses \$8.....	44 00
May.	" oats and grass seeds, \$41 80; freight, 55c.....	42 35
"	" 1 bush. Riga flax seed \$1; coach freight on do. 75c	6 75
Dec'r.	" R. Smith, bal'nce on bull bought of him, 1865 ..	5 00
"	" Do. keep of present bull 46 weeks.....	46 00
"	" 54 premiums awarded at Exhibition.....	47 25
		254 85
	Balance cash on hand..	27 30 1/2
		\$282 15 1/2