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## RURAL HOTES.

Ping-eye still prevails in many parts of the country. The cool, wet, changeable weather makea the disease dificult of eradication.

Thens is an unbroken field of wheat near Clib ton, Ont., comprising ninety-five acres. It belonge to Mr. Ransum, and promices a good yield of grain.

A smmaent dog law having been passed in Indiana, there is a revival of the sheep industry throughont that Btate Everywhere it is, dogs reraus sheep.

Tur. township of Stanley, Ont., is reported as having 5,060 acres of iand in fall wheat. With better farming, this king of crops will be more generally grown.
Tak N. Y. Iriume pronounces thas, after all, the surest and best of coming harvests: " Light is somin for the riglteons, and glainess for the upright in heart.

Tak sugar meal refuse of glacuse facturico m the United States has ban uotd by sume darrymen as cory feed. Results. a poor quality of milh, and injury to the heslth of the corrs.

A farnar who decidedly prefers hornless cattlo, says of them: "They are so mish more pleasant, safe, and casily managed, and there is nu danger from their running with horsw and uther stock.

Mr. J. C. Ross, of Jarvia, Ohh, oalled fur Eugland abuat a month ago fur tho purpuse of purchasing Cotswold, Shropshire, and Oxford Down sheep. This is his fifth trip of the kind since 1876.

Min. Pagencx, a veteran Illinois horticultarist, adivises planting the seeds of iron-clad varieties of the apple, as a likely method of btaining fruit that rill endure the sefere clizate of the NorthWest.

A Nebanska man declares that, if it were not for the noble efforts of the agricultural societies of that Siate, the rising youth rould grow up in ig norance of the fino arts of driving fast horses and manipulating the pool-box.

A cormbspondent of the Ohio F'armer, who was beguiled into buying an incubator and brooder, now offers both for sale at any price, but frankly admits he does not know of ans use to which they can be put " unless to freeze ice-oream."

The trine bands used by grain-binding machines, and generally preferred to wire, are lisble,
in some sections of country, to be cut by criokets. Tarred hemp twine would, there is little doubt, bo left untouched by there and other insects.
Tuebr is little denger of an over production of fruit in this country. Great Britain requires fully $2.000,000$ barrels of apples yearly in excoss of what can $b$. grown there, and the largest crop ever raised in Canada only enabled us to export about 200,000 barrele Besides this, our own market has nover jet bcen glatted.

An enthusiestic agricaltural writer sbys that cuntrolling reeds may be mude a porfect pastime, as much so as baseball, rowing matches, euchre, or whisi ; for there is a groo to bo played, and there are points to be won. The trouble is that you caunot make young people-or, for that matter older people-quite see it in that light.

The sale, nt high prioes, in American cities, of potatoes exported from Scotland, was chronicled in a former isgue of the Rural Canadian. We regret to say that some later shipments proved a total and serions loss, owing to the tubers arriving in bad condition. In one case a whole cargo of 20,000 bushels had to bo damped into the Dela ware river below Philedolphia.

Ax English flock of forty Down $656 s$ produced the present season 180 lambs. Thirty of the ewes ycaned three each, and ten four. The lambs wore healthy, and havo done well. Before, honoper, ine rash th the cunclusiun that such prohnfi cacy is profitable, we must know the expense and trouble of hand rearing, which must insve been practised with a large pruportion of this army of lambs.
Tus Brock Township Conncil have set a good example by ensoting a by-law to regulato the buruing of stumps, brash, log hearis, mood, stram, and other refuse in the onen air. Such fires are prohibited during the months of July and Angust; at other times they are only permitted after giving eight days' notice to the owner or occupant of the adjoining property. Violation of this by law renders partios liable to payment of damages, and a fine of not less than $\$ 2$ or more than $\$ 50$, on conviction before a J.P.

Tue Country Genticman, in an articlo on the indebtedness of farmers, expresses the opinion that the majority of them would be better off if they colld rot get trusted. We prefer to say they would be botter off if they had the manhood to aroid debt. It hurts a man's self-respect and represses his cnergy to feel that he cannot get trusted, but to be conscions that his credit is good, and yet he self-denging enough not to depend on it, if it can by any possibility be avoided, is a
species of moral heroism which is eminontly benencial to those who exercise it.

Gen. A. Burord has published a couple of lectures on. The Churoh and the Turf, delivered by him not long since in the Campbell Street Church, Louisvillo, Kuntucky, and the pamphlet containing them is offered to jookey olubs at 8200 pur thousand. It is cuntended that the " speading " of horses is not wicked in itself, and that the turf might be cleansed of all evil concomitants, and made "holy ground," by the use of a right Christian infuence. It is said that the General has mule some good points in his lectures, and created quite a sensation by them, which last we can readily beliove.
Mebsns. Landmeth \& Sons, the mell-known seed merchants of Philadelphis, offer $\$ 100$ for the best five essays on celery culture, the sum to be divided among the successful authors in tho followiug proportions $\$ 40, \$ 25, \$ 20, \$ 10$, and $\$ 5$. They also offer $\$ 125$ for the best six essays on onion culture, to be divided as follows: $\$ 40, \$ 35$, $\$ 20, \$ 15, \$ 10$, and $\$ 5$. The competing manuscripts are to be snbmitted prior to the lst of Anguet next. Circulars stating the seraral points to be tahen up in these essays may be oltained on application to the firm offering the prizes. We hope some Canadian quills will be sharpened for the contest.

Havive and harvest are close upon us, and the question of cool, safe, and refreshing beverages for men working in the hot fields is of great importance Ice cold drinks under such circumstances are dangerous. By far the best beverage for work ing people on a hot sumner day is thin oatmeal and water, with a little sugar. Take a quarter of a pound of oatmeal; two or three quarts of fater ; boil them, and add from an ounce to an ounce and a half of sugar. If two thick, add water. Before drinking, slake up the oatmeal well through the liquid. This beverage is cool and refreshing. It is nourishing also. In trinter it is equally good, if taken hot instcad of cold.
Ix is often desirable to be able to form a pretty correot estimate of the quantity of land in a given field. To aid in doing this, the following table of measurements bas been constructed:-Five yards wide by 968 long contains one acre. Ten jards wide by 484 long contains one acrc. Treanty jards wide by 242 long contains one acra. Seventy yards wide by $69 \frac{1}{2}$ long contains one acre. Eighty yards Fide by 60 t long contains one aore. Sixty feet mido by 726 long contains one acre. One handred and tea feet wide by 997 long contains one acre. One hundred and thirty foet wide by 868 long contains one acre. Four hundred and forty feet wide by 99 loug contains one acre.

## FARM AND FIELD.

## insects anjemious to the hop PLANT.

Tho hop aphis (Aphis humuli) living on the juices of the plant, nttacking the tendor folinge and twige, and bligeting and withering up tho plant, is thus referred to by Mr. Bethune:-
"In England, the growth of tho hop is almost dopendent, from yoar to year, upon the appearance or absonce of the 'fly' or aphis, known as Aphis humuli, though in this country wo are not troubled by it to the same extont. lt is not necessary to give an account of the life-history of this inseot, as that given of tho grain aphis will also apply to this varicty. It has probably come to this country from England, though the hop is an indigenous plant here, as I have observed it growing on the Knministiquia River, where it is not at all probablo it had been planted, and it is also found growing wild in many parts of the North-Woet. It is, therefore, not impossible that tho insect may have existed here before its introduction from England."
It is to parasites we are indebted for a defence against this pest.

The hop-vine snout moth (Hypena humuli) is described as follows:-
"There is another insect very destructive to the hop, viz., the hop-vine snoat moth, or Hypena hamnuli. Hops were, and aro, grown in the county of Feel to a considerablo oxtent, and while living thers I foand this insect very abundant indeed.
"Occurring in large numbers, it destroys the foliage of the plants, and so injures them that sometimes no hops fit for market are produced. It is a pale green worm, which appears in June, the moth appearing in July to lay its egge, and another brood appearing later on, so that then are two broods in the year. When disturbed, it lets itself down by a silken thread a short distance, and if let alone, climbs ap again."

Strong tobaceo water, lime dusted on the plant, and hellebore, are useful reme. dies against this insect.

Some cut worms, and a caterpillar very much resembling the cut worm in appear suce, but not very preciscly identified by the witnesses, are also found among the hop's assailants.

Two butterfies (Grapta interrogationis and Grapta comma) also feed on the hop, and are occasionally so numerous as to bo a nuisance. They are described as-
" Of a reddish colour on the upper surface of the wings and dull on the under surface, with some silvery markings in the form of a scmicolon (the Greek mark of interrogation), or a comma, according to the variety."
Their parasites will be noticed with others in due conrse.

A small butterfly, and its caterpillar (Thocla humuli), and a moth (Plusia balluca) with wings of "a vory brilliant motallio green colour," and of which an illastration is also given (scs Fig. 19), feed on the hop, but not to a damaging extent.

The Io Emperor moth ( Eyperchiria varia) and $^{2}$ its caterpillar are also illastrated, the male moth boing the smaller and the femalo tho largor insoct. (Ses Figs. 20, 21 and 22.1 The insect remains in its chrysalis state during the winter, and the moth appears in the spring. Thoy are not so namerous as to be destructive. The caterpular has a carious feculty, which is thus doseribed by Mr. Bethane. He says:-
"The oatorpillar has won somo distinotion ovor our other oatorpillars by being possoegod of a stinging proporty. It is covorod with bands of bristlos, and whon thoy pieroe the tondor skin of tho body thoy produco an irritation similar to tuat onused by notllos. It growe to a considorablo size, and when ooiled up, somowhat rosom. blos tho burr of a chostnat. It has a rioh reddish. coloured stripe oxtonding on eadh sido of tho body throughout nearly the entire length, rondoring it, in combination with tho yellow spinerings, a romarkable insect, and one that can bo
plusia balluca.

$r_{r_{s}}$
THE 10 EMPEROR MOTH AND CATERPILLABHyperchiria varia.


Fig. 20.


Fig. $=1$.

essily identified. It feods upon a very large variety of trees, shrabs and plants; amongst others, upon tho hop."

## AN IMPRODED STONE BOAT.

A correspondent of the Country Gentleman describes a novel form of stone boat in ase in Monroo conaty, N. Y. Instesd of having the boards composing the "boat" extend under the ontire surface, and only slightly turned up at the forward end, the improvement is a stone sled, with rannors six to eight inches brosd, composed of two three-nch planks, sawed so as to give a rise of six inches or more at the front. On each of these runnera is placed a pioce of $3 x 4$ inch
soanting, aud thrso longthe of tho enmo four and a half foot lung connoot tho two sides of tho boat and form the platform on whioh good inch boards are laid. The wholo is thon apiked with woodon bolts extending through tho bottoms of tho runuers. Woodon pins pro bottor than iron, bocause as the boat wears, iron soould tear ap the soil. Thore need not be a particlo (f iron in tho boat, if wide onough boards aro used, though it is bottor to put in a fow nails to hold down the ocntro. This form of boat is vory strong. and can be used whore au ordinary stono boat would bo imprnotionblo. It is deoidedly improved by putting in a tunguo, so as to bo more readily gaided. With evon tho slightest fall of snow it is quite as conveniont as a sled.

## A POTATO BUG TRAP.

The Troy Press tells of a farmor who tried a now remedy for potato buge with success. He procured a number of boards and placod them here and there among his potatoes, and on these boards were placed raw potatoes aliced. At noon on the first day of the oxporiment be and his hired men found every piece of potato covered with bugs. The mon killed this crop, and at night another crop was killed, though not so largo, and in a week not a bag could be seen, and his trouble with buga after this was comparatively small. In the spring, he says, is the best time to attend to bugs, as a spring bag, ho understands, breeds from 200 to 900 during the potato season. He thinks it would be a good plan to dip the picce of potato in Paris green, as it wonld save the work of killing the buge.

## IMPROVED GRASSES.

In many respects grass-culture has not kopt pace with improvements in other branches. We are continually getting new plants, new trees, new fruits, new vegetables, now granns, but a ner grass is never thought of. We have the same orchard-grass, the same red-top, the same timothy, that we had over a hundred years ago, and so far as the drift of thought goes, we shall have the same grasses for a hundred years to come. And yet there is no reason that wo can see why there should not be improved grasses, as well as improvements in any other thing, and there doubtless would be. if public attention was drawn to the matter as it should be.

## VALUE OF AN ACRE.

An acre of whest will sustain threo and s half individuals for a ycar; an acre of potatoes, ten persons. In Ireland the introduction of the potato has been followed by a decline of every Irish industry excopting agrioultare. The small amount of labour required for obtsining sustenance from the potato is takon as the messure of neceasary labour, and the time gained is not profitably spent in doveloping other industries, but is apt to be passed in idleness. It is so the world over, whore the carth yields of its sbundance almost without toil.-N. E. Farmer.

## PEAS AND OATS TOGETHER.

The pea is very rich in masolo and bone-bailding elements, and oats aro also superior to corn in this respeot. The oats, also, assist in holding up the pea rine, so as to prevent early lodging, and thas cause it to rotain its succulenco longer. The crop should be sown in the proportion of two
bnahols of poas and ono of oats per aore, and woll covered. Tho drill puts thom in bost. Tho unitod orop should produce from forty to sixty bushols of grain to the aoro. Now the grain is only a part of the orop. The succulont pen vino is admirablo food for pigs, and thoy should bo turned in whon tho poa is jnst passing ont of tho milh, thoy will thon deveur the wholo plant, and it contains as much nutriment as when fully ripe. The succulont stalk contans from forty to fifty por cent. as much nutrimont as the grain.

## colour fur fences.

Says the Cinuntry Gentleman: Coluur tho fence the same shade as the dwelling, or light brown or fawn colour. The dark maroon trimmings have a somowhat tawdry appearance, and we would profer them of the same colour as the house, or but slightly darker. Wo would not make the front yard into a sort of pen, with a pioket fence around it, but if a fence is nocessary, would extend the yard on at least three sides of the house, or much better, on the four sides; othorwise its ornamental appearance is one-sided.

## benefit of tile drainage.

On May 26 th we had the heaviest rain of the soason. It was so wet before that the ground was hardly fit to work. There are acres and nores that cannot be ploughed this week even if the weather is favourable. Those of us that have our ground tiled can see the benefit of it now. Oar tilo-makers are having a rich harvest this spring. Corn not all planted yet, and I doubt if some will get through this season. Wheat is up; is of the yellow variety; it is bilious. Rye and oats are looking well. But vary little wheat here.-Cor. Farner's Rerievo.

## to PROTEC'T FARM TOOLS.

An excellent proparation for the preservation of the iron work of farm implements may be made by. the slow melting together of six or cight parts of lard to one of resin, stirring till cool. This remains semi-fluid, always ready for use, the resin preventing rancidity and supplying an air-tight film. Rubbed on a bright surface over so thinly, it protects and preserves the polish effectually.

Secretary W. I Chamberlany, of the Ohio Board, says ho has soen land improved by drain ago to such an extent that the first subsequent orop was eo much greater than the average that the surplae more than paid thie whole cost of tile and putting it down.

A meyber of the West Michigan Fari㤟ers' Clab recently gave his experience with a sandy piece of soil, at the top of quite a hill, that daring the summer drouth would dry up so as to kill all vegetation. He tiled it, putting in three-inch tile overy four rods. The next year his sceding caught well, and he has averaged if tons of fine hay por acre ever sinco.

Tur substitation of cord for wire in grain binding by machine has beon regarded as a good thing for the western farmor, creating a now demand for an easily raised fibrous product of the soil, to the adrantage of his pooket-book. But Mr. F. M. Webster reyorts to the American Naturalist that the cord bands are cut in the fieid by crickots, and instead of compact sheares the farmer finds only a loose mass when preparing to dram in his stacks. There is no mention of the kind of cord so out ; doubtless tarred hemp twine would be left intact.

Froat oorreapondonco of the Comnecticut Farmer wo tako the following about scattoring oattle droppings in pasturo, which is mado out to bo a matter of more consoquenco than some persons would spppose:-" Having ocoasion to watoh some fires in the spring on the edge of a pasture, I took a hoo and senttered the droppinge on about an acie. In anothor part of the lot was a prece of land of about tho same character. Un this the honps wore not knocked. As those plots wero favourito feoding places, tho droppinge wero nbundant $O n$ tho first plot no lawn mower could have loft an ovener spard than the cattlo did; whilo on the second plot around each heap was a growth of rauk, dark greon grass, whioh went to seed while the intervening spaces woro eaten as well as upon the first plot. The suuff of a cow will analyze a tuft of grase with greater celerity and accuracy than the Experiment Station may ever hope to reach. Condemnation quickly follows the discovery of disproportionate ingredients. Will not an animal discovor this over-rank herbage in hay as soon as in grass? We often wonder why cattle will not eat a forkful of bright-looking hay. Is not the animal able to scont more of its previous history than we aro?
Wilson Flaga, the author of a number of charming essays on nature, published under the title of "Haloyon Days" (Estes \& Laurial, Boston), makes a strong appeal for waysido shrubbery. Of the farmers who think that nature shoald be made subservient to labour, and labour to capital, he writes: "If you stroll along by the estates of these industrious vandale, you will be struck with the baldness and nakedness of the borders of their fields. Not a shrub nor a vine can with impunity lift its head abovo the ground on either side of their fences, and a squirrel that would renture near them would be hanted like an adder. We may diatinguish the possessors of these model farms by observing as we pass by their singular blankness, such as you observe in the face of an overied idiot." He treats lightly the excase that wild shrabhory harboars vermin, and he reminds the farmers that this same shrubbery protects the birds whioh feed on inseots. Mr. Flagg appreciates the benuty of a well-tilled farm, bat he asks: "Is it nothing to us that the singing birds should find a bushy knoll to nestle in, or a leafy perch to rest apon when they sing to the passing travellor? Is it nothing to us that we may gather a ferv violets under a hazel bush for the child we lead by the hand? Is it nothing to the young maiden that she can loiter by the rondside in quest of wild flowers, instesd of roammag in distant fields, where she does not venture unprotected ?" As some insects multiply with increased tillage, it is prudent to encoarage the growth of birds, which act as a check upon the insects. We have no sympathy with slovenly farming, but we confess to a love of the uature which greets the ofe in the shape of trees and shrubbery.-Turf, Field and Farn.
"Two or three years ago," says the Portage la Prairie correspondent of the Manitoba Frec Press, " when land grabbers and speculators wore gobbling up the school lands in this vicinity, John Armastrong took up a section also, and held peaceablo possession of the same until recontly, when a man named Haggard came along and laid claim to the property, and commonced improving it. Armstrong, thinking that ho would be doue out of his spec., commenced ploughing also, and both parties are now hard at work
 work, and neither has power to turn the other off, as the land does not belong to them. The neighbours are watching with intereat the thme when the tro sharks will meet in the middle of the field, whon it is expected there will be some fun."

## CREAM.

"Don't you boliove in a future lifo, in which wo shall ronew tho tios that bind us togethor hore?" " I do," sand the honpeoked husband, sadly, " but I don't want to."
"Leot's 'luatrate comp'nation," biccoughar a politionl nrstor "It"н beantiful You see, bu old farmer comes to town Inaded with now wheat. an' he gees home loaded with old rye."

An Anverican girl in Columbus has married a Chinaman for love, and while she sspings in a hammook and reads novols, he doos the washing and cooking and keops the fly traps up to busi ne8s.
" Your meal io ready, sir," said tho waitor to Haysecd, just from the rural distriots. "Moal!" exclnimed Hayseed, contemptuously; "do yor think I'm a hoss? Got me some corned beef and cabbage, young man."

Cook: "Madame, may I ask you for my tostimonials?" Mistress: "What do you expect me to write, yoll worthless orcature? Surely, you oannot expeot mo to say that I am satisfied with you?" Cook: "Isn't necessary. Only writo that I remained with you three months. That will bo my best recommendation."

See the man coming down the atreet. What has he got in his hand? It is $\Omega$ white fish. What is that on his shoulder? It is a fish pole. Where has he been all day? In tho beer saloon around the corner. What will he do when he gets homo? He will tell bis wife that he has been out to the lake fishing, and caught the fish after a terrific straggle. Will his wife bolieve him? No, darlings, she will not, for she knows White fish are never caught on a hook, and besides sho will smell his breath. What will sho do? She will knock him down with the fish and go after her ma.

Sydney Surth wiolded the logio of wit with aingular power. Curt, smart, and unanswerable fell his blows. Thus, on the wauts of Ireland, "What," says he, " is the object of all good goverment? The object of all good government is roast mutton, potatoes, as stout constablo, an honest justice, a clean highway, a free chapel. What trash to be bawling in the streets about the Green Islo, and the Isle of tha Ocean, and the bold anthem of 'Erin go-Bragh!' A better an them rould be Erin-go-bread-and-oheese! Erin-go-cabins - that - keep - out-the-rain! Erin-go-breeches-rithout-hules-in-them!" This, to be sure, does not settle the Irish question, but the logic of wit is usaally the logic of common sense too.

A fashonable young lady visitad a cooking school the other afternoon, where her attention was equally divided botween a new dress worn by an acquaintsnce and the directions for making a cake. Upon roturning home she undertook to write down the recipe for making tho cake for ber mother, and the old lady was paralyzed when she read:-"Take two pounds of flour, threo rows of plaiting down the front, the whites of two eggs out bias, a pint cf milk ruffied around the neck, half-pound currants with seven yards of bead trimming, grated lemon peel with Spenish lace fichu; stir well and add a semi-fitting paletot with visite sleoves, butter the pan with Brazilian topas neoklace, and garnish with icing and jetted passementerio. Bako in a moderately hot oven until the overskirt is tuoked from the waist down on either side, and finish with large satin bows." Her mother said she wouldn't eat such a oalse, and she thotught. these now fangled idess in cooking ought to be frownea down.

## GARDEN AND ORGEARD. <br> FHOZRN GRAFS: VNASS.

Peopio who have sometimes lon thoir uitdoor grapo vines on their trollhses all winter with mpunity, wonder muoh that, aftor a comparativoly mald wintor like the last, so many refuse to bud. The fact is, thant a mild wintor as ofton more deatructive than a sevoro one. Warm weather starts the sap, and if frost catoles tho wood full of moisturo, it is suro death to the vino. The only safo course is to lay the vines ovory fall; then, whother the wintor be moderate or severe, thoy will come out all right in spring. A correspondont of the N. Y. Tribune omphasizes this good counsel in a receut issue of that journal. Ho 88ys:-
"Thore is a 'howl all along the line' from people who left their grape vines upon the trellises the past winter. In this locality vines not laid down are seriously damaged, and a short orop is the inevitable consequence. Apparently the roots are not materially injured, new shoots are pushing out, and growers are flattering themselvos that by another year their vines will be all right. I think they will bo disappointed, as my experience convinces me that it will require from three to five years to get their vines in good sondition again. People say to me, 'You are lucky that your vines wore covered;' while the fact is there is no luck about it. My vines aro protected every winter to secure them against injury, just as one insures his building or feeds his cows well to insure a good flow of milk. Grape vines, if left anprotected, may escape injury for years, bat it is wise to, as far as possible, guard against all contingencies. Said a follower of Mahomet: 'I am so weary that I will not hobble my camel, but will commit him to God.' Mahomet replied: First hobble your camel, and then you can commit him to God.'

## IINE.CLAD TREES.

Mr. W. Falconer, in reierence to this subject, writes pleasantly in the Rural Ner Yurker."How suggestive are the old apple treas, overspread and draped with grape vines, that we neet with now and again on Eastern farms: the vineclad trees that skiri our woods and waysides, and grow by rivers, crecks and punds. I never sarit the trumpet creeper ayptar so beautiful as in the Southern States, where, on the outer edge of a river bottom timber belt, it almost hid from sight the tree it grew on. I never saw the wild clematis look so fine as in a wood in New Jersey, where Mr. Taplin pointed out to me a tree literally covered with the vine, which hung in massive drapery to the ground, and was then in bloom.
"It is a common thing to train Jackman's aud other kinds of garden clematis up among ihe branches of trees, where, when in bloom, they have a fine effect. The Virginian creoper is sometumes treated in same fashion for the brilliant effect of its foliage in the fall. The Chinese wistaria is one of the best of vines for this ure, and the periploca, akebia and honeysuckle may likerise be used to gooll advantage. The Canada moonseed and climbing waxforl will exjoy themselves exceedingly among the lower branohes of the trees; and the Datchman's pipe delights in such liberty. Bare stoms of crees mas be covered with Japaness ivy-Annpelonsis tricuspidata. On many a farm is a wooded ravine, and this is just the place for vine-clad trece.
"I remembor, when visiting Robert Douglas, at Waukegan, Ill., with what glowing pride the veteran 'Forty-niner' brought me in front of a wooded ravine nesr his honse, that I might 600 the splendid effect of the trees upon the distant
hank, whoso limbs wore bending with the load of drapory which thoy aupportod, and with whant a gleam of satiafaction he pointed out the many trees-big trees now ho had planted there, tho vinos that he had oncouraged to grow up upou them, and the undergrowth, both herbs and shrubs, that he set out thore. Ho had snatohed from dosolation an unsightly, gloomy chasm, and planted it with trees, and shrubs and vinos, and thus secured what is to day one of the prettiest ravines or glens in Illinois."

## SldMMELI PRUMIVE.

J. C. Plumb, in Western fiurmer, says: "This should now be attended to promptly-both in nursery and orchard. Lawn and streot troes may now be shaped up to suit, but no tree more needs this than the silver mayle or white soft maple. Its tendency to be brokon dowa by high winds when in full foliage may be overcome by a good heading back every five years. This treo is often badly infested with woolly aphis, and becomes disgusting and sickly. Now, the best remedy for this insect is to cut back one-half to threo-fourths of the top, and thoroughly spray the remainder with a weak lye, or solution of caustic potash. This will clean off the young seale insect, and tho tree will soon renew its beauty and health. This cutting back of all trees, both of evorgreen and deciduous, is one of the most ready ways of adapting them to the requirements of the garden, lawn or street, not appreciated nor practised half it should be-and now is the time, if not alrendy done, to give least shock to the tree and keep healthy wood unless it be done in October."
bark places in dalfas.
By "lawn" we mean any piece of grass kept solely for ornamental purposes. It many be merely a front yard, or on large places it may inolude many acres. These may from some cruse show thin and poor places here and there. These may be mended by several methods. If the bare places are large, the surface may be worked over with a sharp rake, to take out dead stems and roots, and then, after fertilizing, be sown with grass seed of a kind similar to the rest of the lawn. If the bare patches are small, the quickest way to mend them is to lay in turf. In Eugland a method is in use not only for restoring bare places in establashed lawns, but alsu for starting new oues, called $\cdot$ inoculating." The ground being well prepared, bits of good turf (sud,, about three inches square, are inserted a foot apart each way. These will take root and spread, soon covering the whole surface. In making or mending a lamn, recollect that the work is to last for years and that a good supply of fertilizing material will be a good myestment.

## AN CNENPECTED RFSLILT.

Mr. Rice, at a meeting of the Western N. Y. Farmers' Club, said farmers often do things without thinking or considering what the results may be. He knew a man once who had a steam sawmill, and a large pile of ashes aud saw-dust had accumulated. He hired a farmer to draw them away in winter, who drea them on an old orchard, spreading them three or four inches thich. The orchard became very productive, and for seven years bore heary crops of very fair fruit.

## cUTIING ASPARAGUS.

Another of the mistakes of our ancestors which it is diffioult to get rid of, is the belief that asparagus should be bleached, and to do this it must be cut several inches beneath the surface. I nevor see a person in vain endeavour to extract a littlo nourishment from such massos of soughl woody
fibre without exporioncing a dosire to invito him to test a spocimon of my luscious tondor shoots out oxdusivoly above ground. To procuro tho desired ond, tho old fashioned plau was to bury the roots so doop that vory many of thom mot a prumature denth, but I plant rather shallow than othorwiso, and so far am satigied with my system.

## GARDEV LABELS.

If one must nse labels upon trees and slurubs, the simplest we have found is shootzinc out in the shape of a triangle. Let it be six or eight iuches long, an inch at the brond ond, and tapor to a point. Write upon it, near the large end, with a common load-pencil ; coil the small ond around a trig; it will oxpand without injuring the trea, and last for twenty or more years.

Dandelons have become the fashionable greens in all parts of the United States. They aro being cultivated by market gardeners in the vicinity of all the eastorn cities, aud are served up in the leading hotols and restaurants.
Mulcuino may be applied to such young troos as cannot be oultivatod with a horse. A fovy inches of old strnw, cut grass, Jong manure or sawdust, spread in a circle about nowly set trees, will keep the ground moist, smother grass and weeds, and prevent injury by the drouth and hot san. It is especially useful to young cherry trees.
Tue most extensive and most exparienced celery grower in the viciuity of Boston once said to me: "Take well-growa colery, and a man in the dark whilo eating it cannot tell whether it is blanched or unblanched." Of course when raising for market we must blanch, because oustomers demand it; but when for our own use, why take the trouble? J. J. II. Grefory, in Country Gentleman.
Weeps should never be permitted to got an inch high. Go over the garden beds with a steel rake as often as once a week. The labour will be more than repaid by the increased growth of the crop, and the weeds will nuver make their appearance. The labour will be far less than 18 required to clear out weeds after they have grown several anches, and have oliecked and partly spoiled the crop.C'ountry Gcntenan.
Ar the New Jerscy Horticultural Society meeting at Vincland, the importance of onough room between asparagus plants was discussed. Among the different distances recommended was une foot by four, which is too near, three by four, which is much better; and four by six feet, which is best for all extensive culture, if plenty of manure can be applied. Shallow planting gave small shoots, and "there was more in the feed than in the breed." One plantation of threo ncres realized $\$ 1,500$ in a single season at wholcsale prices.
I have been in the habit of mulching my currant onshes with a liberal supply of barnyard manaro, late in autumn, and forking it in the first of April, but last spring, owing to press of businese, a part of the mulch was left undisturbed, and to my surprise the neglected bushes had no currant worms, while those where the manure was carefully forked in had their usual crop. The currant worms can be easily destroyed with whito powdorod hellebore and water at the rate of one tablespoonful to two gallons of water, mixed a fer hours before using. The best time to apply is when the worms are very small, which can be ascertained by examining the lower leaves; if any are perfo. rated with small holes be assured the worms are at work, and ono thorough application will exterminate them. I should disagree with Mr. J. M. Smith in alloring Light Brahms hens and chickens to run the year round among my ourrant bushes; though they might devour the worms, mino would as readily eat the fruit.-Cor. N. Y. Tribune.

## BEES AND POULIRY.

## IUF DARK IBRAHM4צ.

Both the Ilight and Nark Bralima breeds of fowls have their admirers and advocates, but the proforonce is very much a matter of taste, as their intrinsio morits are quite similar. Both are good layors, patient sitters, bear confinement in small yards woll, and furnish a large carcass for the table; birds fattened for Christmas ofton weighing eighteon pounds the pair. 'lhey mature early, and, like all fowls, are at their best estate for eating purposes while young. The hens are apt to get dull and broody if allowed to become too old, and, unless choice breeding specimens, should not be kept beyond the second year. Many excellent crosses lanve been made with the Brahmas. A cross with the Games increases the hardiness and vivacity of these breeds, but sometimes has the effect of develop. ing too much pugaacity. The best cross probably is with the Dorking, which gives a large bird, with an excellent quality of flesh for table use. The Brahmas are among the best winter layors we have. Kept in warm quarters, and well fed, they will yield a regular supply of eggs oven during the coldest weather. The accompanying illustra. tion well represents the general appearance of the dark varicty of the l3rahma family.

## RIPENLNG OF HONPY

Honey is not manufactured, but is simply gathered by the bees from flowers or other sources. When first gathered, honey is thin and watery, and has to be "boiled dorn." The manner in thich the bees do this is thus described by Mr. Doolittle, a well-known bee-keeper:
"All bee-kcepers cen toll whether their bees are getting honey or not, by the roaring made by them at nicht, as bees only make this roaring while reducing their honey. Let two or three days of rain succeed a plentiful honey harvest, and all roaring ceases with the night of the third. Our experiments have led us to the conclusion that all honey brought in from the fields by the outside labourers is given to the young bees, taken into their honey sacks, and if more is gathered than their sacks can contain, it is doposited in the cells till night, and then evaporated down; although the evaporation is going on to some extent during the daytime. At night all hands join, from the outside labourers with jagged wings down to bees only a day or so old, and the honey or thin sweet is taken into the honey sack, thrown ont on the proboscis, drawn baok in again, and so on until by the heat of the hive these small particles of honey are brought to the right consistency, when it is de poeited in the cells. In order to do this the bees hang loosely, 80 that when the proboscis is thrown out it shall not hit another bee or the combs or hive. Many a night have we watched their operations, and by the light of a lamp the little drops of nectar sparkle as they aro thrown out on the proboscis and drawn in again. When honey is coming in slowly this process is not
likely to be soon. All, doubtless, have observed that when bees are getting honey plentifully it shakes readily from the combs at night, while in the morning, before the bees go into the fields, not a particle can be slinken from the combs."

When the honoy extractor whe first introduced, many bee-keopors extracted honey before it was "boiled down," or sufficiently ripened, and put it immediately upon the market, and, ns a result, the honey fermented, burst open the paclsages in which it wne put up, and daubed the grocers' shelves. The market for extracted honoy was considerably injured by bee-kceners unwittiugly offering this "green" honey for sale. The bees do not seal honey until it is thoroughly riponed; hence, many beo-keopers have strongly advised that no honey should be oxtracted until it is sealed, while others assert that the bees are stimulated to greator activity by removing the honey as fust ns it is gathored, and that by ex-
necessary, more sturies can bo added in the samo manner, and the honey loft in the hives without extracting until the flow of honoy 18 over. Managing an npiary upon this "tiering up" method requires less labour, and the honey is thoroughly ripened when first extracted; but whore the apinrist has only a limited number of hives and combs, and does not wish to purchase more, or use comb fouudation, he cannot well do otherwise, if he runs his apiary for extracted honey, than to extract the honey as fast as the bees gather it, and then let it ripen by allowing it to stand in open vessels. Comb honey should never be allowed to remain in a damp place, but shonld bo stored in a room having a warm, dry atmosphere. Especially is this necossary when the honey is first removed from the hives, in order that the honey in any unsealed colls may thicken so that it will not run out and danb other boxes. Comb honey stored in a warm place requires close watching for several weeks after it is taken from the hives, in order that the hatching of the bee moth's larva may be discovered, and, if necessary, the honey fumigated with burning sulphur. -W. Z. Hutchinson, in Country (ientleman.

## CROP-BOUND.

When you see one of your fowls going around with a crop that looks twice as big as it ought to, catch it, and if the crop is hard and swollen, you may conclude that there is some obstruction in the passage from the crop to the stom. ach. Pour some warm water down the throat, and then knead the crop gently until the contents seem soft; then hold the headedorn and the bill open, and work at the crop a fem minutes longer. Next give a tablespoonful of castor oil and shut the fowl up without food for twelve hours or more. If this courso of treatment does not benefit the forv, cut open the crop, and remove the contents with a teaspoon handle. Make the cut, which should be aboat an inch long, near the posing the honey to the open air the excess of top of the crop. After the orop has been emptied, moisture will ovaporate, and the honey become thoroughly ripened. In California, sun evaporators are used to reduce honey to the proper consistency. A sun epaporator for honey is simply as slightly inclined plane of tin, over which the houey slowly flows in a shallow strosm, exposed to the dircet rays of the sun, which evsporates the water. I have frequently oxtracted honey before it was sealed, and stored it in large tin cans holding about 300 pounds each. The cans were placed in a room through which the litohen stove-pipe passed, and in which there was a free circulation of air. To allow evaporation, and yet exclude dust and insects, each can was furnished with a cover made from a circular piece of maslin, around the edge of which, in a hem, was a rubber cord that held the cover in place. Standing in these open cans, thin honey rould become thorougbly ripened in three or four weeks.
When the apiarist has plenty of hives and combs, an apper story can be raised when it is fall, and another stors filled with empty combs placed between that and the lower story; and, if
oil the finger, and pass it carefully as far as possible down the passage to the stomach. Lastly sew up the cuts, but don't seve all the edges ap together; take two or three stitches in the cut in the crop, and then sew up the outer skin separatoly. Once apon a time your correspondent sewed the edges of both cuts all up together, but somehow that hen didn't get along very well-in fact she up and died. Feep the fowl on soft cooked food, and hut little of that, and array from the other fowls for a week or so. Give no drink for two or three days after the operation. In making the cut take care not to injure any large blood vessel.

## EGG-BOUND.

When a hon mopes around with hanging wings, appears in distress, and goes often to the nest, but does not lay, she is ogg-bound, and the first treatment should be a large dose, say two table spoonfuls of csstor oil ; if this does not give relicf within a reasonable time, inject sweet oil into the oviduct.

## HORSES AND OATMEE.

## TROCAR FOR SHORTHORNS.

Present Shorthorn prioes are vory low alongsido of those of ton years since, partly owing to aggressive compotition of other worthy breeds, but mostly as a direct consequenco of tho dogenerating influonce of porsistont and loug-coutinued devotion to "padigree." A woll-informed correspoudent of the Parmer's Rcoiecv miintains that all the good native stuff in this celobrated fanily will not be able to save it from being " wiped out of existonoe by othor equally valunble breeds," unless respect is paid to the principal consideration that actuates the great mass of cattle foedersthe desire for profit is beef produotion. Somo further sxprossions of his are perlaps too strong, but they may serve the purpose of warning to infatuated leaders, and of timely hint to the unso-phisticated:-
"The practical farmer desires to improve his stook; he looks over his agricultural paper and finds (owing to the greatness of the Bhorthorn interest) seven-aighths of its cattle department filled with mattere pertaining to Shorthurns, he conolades that he will get a Shurthorn bull, and sets out ior the nearest brecder. Nino-tenths of the time he find. a lot of scrawny bulls, and at firat is disgustod, but the proprietor will almost invariably say, "My cattle have had little or no grain all winter;' and pointing to one of his scrasmy auimals, will remask, 'There is not a finer bred calf then that in this State,' and reciting the pedigree, will astonish the visitor with the prices that have been paid for the aucestors of said calf. Perhaps. in the end a sale is made, and, although far from satisfied with the merit of his purchase, the farmer's mind is still consoled by the ides of the grest pedigree whioh is attached to his calf. The result of a cross with this bull on common cows is far from satisfactory, and yet, reading time and again the value of Shorthorn bulls for grading purposes, wo have known farmers to continue to allow just such bulls to be palmed off on them. Now then; having made a plain statement of frots, I desire to say to those who are about to buy bulls: When a man harangues you with a pedigroe, let it pass from your mind unheeded; find an animal with a strong, vigorous constitution, ascertain that he is pure-bred and entitled to registry, and be caroful to have him well developed in all points most profitable to beef animals, remembering distinctly that in the economy of production and value of product lies the profit in all farm stock."
This writer looks for "a revolution in Short horn breeding in ten years," and predicts that "we shall see Shorthorns on a permanent and solid basis-thact is, bred for individual merit." Let as hope so. Let us hopo also that the recent demonstration to the contrary in Chicago was morely a galvanic apasm of a dead craze.-N. Y. Tribuence.

## STOCK WORDS AND PHRASES.

We have often wondered that some high authorits did not have something to say on the novel and often far-fetched language which is fast coming into use in connection with the cattle trade. At length this has been done. Reforring to the Shorthorn nomenclature which has been invented and brought into use by "fashion-breedexs," the Mark Lane Express observes that "to read an account of some nobleman's herd, one might often be excused for thinking some one had been giving a rather free description of the nobloman's \{amily," and our contemporary cites a reported csse where the harassed mako-up editor, by a natural mistake, mixed an ornate puff of ser-
iain of these bluo-blooded oattlo with a report of a high-toned concert, mach to tho consternation of somo lndies, who thus appoarod in print as of "rioh red colour, dappled with white," and "fino. bodisd and tight-limbed." Writing of the same matter, a quietly saroastic correspondont of the English Agricultural Gazelte gots in the following sample point bolow the firth rib of a guelhing ohronioler who spoko of tize "dea-ottor touch:"
"The phrase, ' $n$ sea-ottor tough,' to convoy the moaning of one who would describe the heifor's skin, is pedantio and unreal. Tho question to bo sottled by 'T.' is not whother there be such a thing bs a searotter skin or no, but whother tho people who rend ngricultural papors and tako intorest in eattle are so familiar with sea-ottors and the ' feal' of their fur that a reference to it conveys any increase of onlightenmont into their minds, and onables thom the bettor to appreciato the quality of enttle."

## original home of the horse.

There is no doubt that the original home of the horse is not Europe, but Ceutral Asia; for since the horse in its natural state depende upon grass for its nourishmont and fleetnoss for its weapon, it coald not in the boginning have thriven and multipliod in the thiok forost-grown territory of Europe. Much rather should its place of propagation be sought in those steppos where it still roams aboat in a wild state. Here, too, arose the first nations of riders of which we have historic knowledge-the Mongolians and the Tarks; whose existence even at this day is, as it were, combined with that of the herse. From these regions the horse spreads in all directions, espocially into the steppes of Southern and Southeastern Russia and into Thrace, until it finally found entrancs into the other parts of Europe, but not until after the insmigration of the people. This assumption is, at least, atrongly favoured by the fact that the farther a district of Europe is from those Asiatic steppes-i.e., from the original home of the horse-the Ister does the tamed horse seem to havo made its historic appearanco in it. The supposition is further confirmed by the fact that horse-raising among almost every tribe appears as an art derivcd from neighbonring tribes in the East or North-cast. Even in Homer the ox appears exclusively as the draught animal in land operations at home and in the field, while the horse was used for parposes of war only. Its omployment in military operasions was determined by swiftness alone. That the value of the horse must originally have depended on its fleetness can easily be inferred from the name which is repeated in all the branches of the Indo-European language, and signifies noarly " hastening," "quick." The same fact is exemplified by the descriptions of the oldest poets, who, next to its courage, speak most of its awiftness.-Popular Science Monthly.

## BEEF FOR TEE ENGLISH MARKEI.

Mr. A. B. Matthews writes an interesting letter to the Kansas City Conmercial Indicator, giving some of the results of his recent observations in England, particularly with regard to American beef in the Smithfield market at London. He says that one objection made to our beaf is that there is too mach fat in proportion to lean, and suggests as a remedy-
First, selecting animals for breeding purposes, the fat and flesh of which are well intermingled and not patchy. Second, by judicious feeding. We must use that clase of feed that will produce flesh as well as fat. We ase too mach corn and not enough roots and grass. Cattle having free access to abundance of blue grass and fed with corn will putou flesh as well as tallow. This is
not only the way to make the best, but also the ohoapost boof. Our farmers should sow more bluo grass and plant loss corn. Anothor objootion to $\Delta$ morican beof is that it has more bono than tho English boof. Eapecially is this truo when compared with tho pollod cattle of Sootland, and it is also true when compared with the orosses, and I think it is also true that our wostorn cattio have a little moro bono than English. It is needloss to point out the remody, which is th discard all rough-boned batls and broed only from small-boned, well-lleshod animals. It $\cdot$ is $n$ wellestablished fact that limestono soil is caloulatod to make bone, and to counteraot this we must judioiously soleot amnll boned animals.

## POLLED CATTLE.

The largest pollect cattle are the Sootoh Black, called Angus, and sometimes, though improperly, Abordeen. The next largost aro called Gsilloway, of the same shape, colour, and general characteristios; although not so fine and highly improved as the Angus. Both breeds are hardy and thrity, and make tine best beef. properly fattened. The cows gencrally being only moderato milkers, this stock is more proftable to rear for the ehambles than for tho dairy. The nest in aize are the Red Pollod Norfolk aind Suffoll cattle of England. The cows of this breed are generally large milkere, and zhen well fattoned make a prime quality of beaf. They are thus alike excellont for the dairyman and butoher. They are alro hardy and thrity, and, being the most generally useful, are highly deserving to be bred numerously in our country; and for the ordinary farmer would be the most profitable of all cattle-A. B. Allen, in N. Y. Tribune.

## FEEDING YOUNG COLTS.

The best possible substitute for mills of the dam is cor's milk. It should be sweetened at first, as the milk of the mare is aweater than that of the cow. A littlo patient effort will soon resalt in teaching the colt to drink milk readily, but be carefal not to give him too much at a time. A half pint is quite sufficient for a solt of a weok old, bat the ration should be repented often-not less than six times a day, the idea being to give the coll really all it will drink, but to feed so often that it will not require very muoh at a time. As the colt grows older, the ration ehould be inoreased, and grass with oats should be added as soon as the colt is old enough to eat. No ration is better for a colt than cow's milk with these adjuncts After the colt is two months old, skimme $\bar{\alpha}$ milk. should be sabstitated for the fresh corv's milk. Should there be any tronble from constipation, it will be well to add aboat one pint of oil meal per day to the ration; in fact we would recommend the use of oil meal in all cases, as it furnishes a large proportion of mascle and bone-forming foid. If the oil meal is not obtainable, figaseed may be used. A half pint of flaxseed boiled with two quarts of bran will make two good feeds for a colt, and this ration may profitably be alternated with the other food.- Brecder's Gazette.

Mre. Munton Briges, Fellogg, Iova, who has done his State muoh service by devotion to improvement of stock, woll says, in Governor Gue's Homestcad, that "investing money in any one breed at high prices undo? the excitement of speonlation will in the fature, ss it has in the past, prove disastroas." He adds that it is through "this humbug of fancy pedigree" that "many of our best cattle, as well as their own. ers, are being rained, and passing off the records, leave no sign."-N. Y. Tribune

## SHEEDP AND SWINE.

## BERKSHIRE SWINE IN THIS COUNTRY.

Tho Country Gentleman gives the following table, showing the numbor and goographicel distribution of recordeà Berkshirg hogs ; it is from the report made at the last moeting of the Amorican Berkshire Assooiation. From the same report wo learn that of the 770 Berkshires recorded in vol. I., 285 were bonrs and 541 were sows ; of tho 1,705 in vol. II., 628 wero boars aud 1,272 wore sows; of the $1,850 \mathrm{in}$ vol. III., 480 were boars and 870 were 80 ws ; of the 1,155 in vol. IV., 420 were boars and 785 were sows; of the 983 in vol. V., to date of report, 849 were boars and 584 wore sorve.

Wo find also that of the 541 soms recorded in vol. I., 810, or $\overline{0} 9$ por cent., have had produce recordod; of the 1,272 sows in vol. IL., 011, or 48 per ceut., have had produce recorded; of the 870 sows in vol. III., 848, or 40 per cent., have had produco recorded; of the 785 sows in vol. IV., 218, or 29 per cent., have had produce recorded; and of the 584 sows in vol. V., to date of report, 186, or 28 per cent., have had prodace recorded. Before the fiual oluse of the volume, however, these figures will materially change, as the whole number which will appear in rol. Y. will be incressed by the addition of podigrees now on file and being preparei for admission.

| Whero owned. | -i | $\begin{aligned} & \text { ㅂ } \\ & \text { 명 } \end{aligned}$ | 日 <br> 8 <br> 8 | $\begin{aligned} & \dot{B} \\ & \dot{D} \end{aligned}$ | $\begin{aligned} & \dot{8} \\ & \stackrel{i}{\mathrm{D}} \end{aligned}$ | 寅 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama ........... | 3 | 37 | 25 | 10 | . | 65 |
| Arkansas........... |  | 4 | 2 | 7 | $\because$ | 13 |
| Callfornia ........ |  | 1 | 15 | 80 | 5 | 51 |
| Comasctiout ...... | 3 | 5 | 2 | 8 | 7 | 24 |
| Dakota ........... | $\cdots$ | -• | $\because$ | 2 | . | 2 |
| Delamare |  | . | 3 |  | - | 2 |
| Listriot of Colambia | .. | $\cdots$ | . | 2 | $\cdots$ |  |
| Florida .......... | $\cdots$ |  |  | 1 | 1 | 2 |
| Goorgia |  | ${ }^{6}$ | 8 | 5 |  | 19 |
| Illinois | 411 | 715 | 268 | 292 | 165 | 1844 |
| Indiana . | 29 | 67 | 77 | 20 | 50 | 249 |
| Indian Territory ... | a |  | 2 |  |  | 2 |
| Iowa ............. | 64 | 160 | 74 | 59 | 26 | 883 |
| Kangas | 18 | 67 | 88 | ${ }^{63}$ | 92 | 328 |
| Kentuoky | 5 | 64 | 85 | 36 | 0 | 148 |
| Louisiana |  |  | 7 |  |  | 7 |
| Maino.. | 1 | 28 | 78 | 12 | 23 | 142 |
| 3faryland .......... | 9 | 13 | 24 | 33 | 49 | 121 |
| Massachuselts .... | . | 7 | 5 | 20 | 15 | 47 |
| Mithigan | .. | 31 | 14 | 21 | 15 | 81 |
| Mrinnesota | - | 32 | 20 | 1 | 4 | 59 |
| Misaissippi |  | 2 | 6 | 14 | 1 | 29 |
| Missouri. | 5 | 121 | 135 | 131 | 102 | 494 |
| Nebraaka | 2 | .. | 20 | 23 | 4 | 49 |
| Nerada | . | .. | 1 | 2 |  |  |
| Now Hampshiro .. |  |  |  | 15 | 12 | 7 |
| Now Jeragy. ....... | 16 | 15 | ${ }_{6}^{6}$ | 9 | 12 | 57 |
| Now York $\ldots$...... | 42 | 34 | 41 | 29 | 60 | 206 |
| North Carolina | 5 |  |  |  |  |  |
| Ohio .. | 32 | 125 | 102 | 96 | 108 | 09 |
| Oregon ........... |  |  |  |  |  |  |
| Pannsylvania Rhode Ioland | 64 | 78 | 129 | 81 | 70 | 18 |
| Rhodo Laland |  |  | $\pm$ | 3 |  |  |
| Tonnprsec | 3 | 20 | 16 | 7 | 4 | 60 |
| Texess .: | .. | 11 | 26 | 8 | . | 45 |
| Vormont .......... |  |  |  | 1 |  | 1 |
| Virginia .......... | 13 | 25 | 17 | 4 | 1 | 60 |
| Weat Virginia .... | 8 | 1 | 2 | 3 | 3 | 16 |
| Wisconsin ........ | 12 | 18 | 22 | 41 | 11 | 10 |
| British Columbia .. | .. |  | .. | 1 |  |  |
| Contral America .. | $\cdots$ |  |  | 2 |  | 2 |
| Engiand ........... |  | 9 | 42 | 14 | 32 | 07 |
| Ireland ........... |  | 7 | 1 |  |  | 8 |
| Ontario, Canads .. | 25 | 73 | 95 | 64 | 17 | 233 |
| Quebec, Canada.... | 17 | 20 | 8 | 4 |  | 60 |
|  | 776 | 1795 | 1850 | 1155 | 933 | 6009 |

The following record of some experiments made by Professor Brown in regard to the fled and wool of lambs of various breeds and crosses, will repay carefal study. It is from the last report of the Ontario Agricultural College:
onrcass and wool of wetuer lambs preparina por strenbinia mutton.
We have on hand, experimentally, a score of wether lambs in viow for next Easter and Ohristmas. Thoy are out of common Canadian ewes by our rams of the respective breeds nemed.

The wool and frames of these are an interesting study at the present time, and so, in preparation for next year's finishing, I have pleasure in sub. mitting average weights of each kind, with lists of length of wool, in comparison with the puro brceds of the same age:

Averiar Welours of Gradx Weiner Lakis, Ormastang, 1881.


In comparison with those, note those of the pure breeds from lambs of the samo age:-


As much of the manufacturing value of wool Les in the coarsuness ur fineneas of fibre, or diameter of each plant, the fullowing diagram shows this, being the aversge, as nearly as pussible, of that for each of the lambs named. A large magnifying power was used:-
Comparative Diameter of Fibre of Thelve
Kinds of Wool from Lasibs now at tue Ontario Expermental Faras.


## SLIM FARE:

The Morris (Man.) Herald of the 18th ult. has the following:-
" A pig belonging to Robert'Lipsett, of Meadow Lea, burrowed itself under a straw atack for shelter about the 17 th of April last, and while slum. bering peacefally a blizzard sprung up and snowed his pigship in. When the pig was miseed, Lipsett made a soarch of the promises, but failed to find his animal, so he gave it up for lost. Last weak, however, whon the snow began to disappear, one of Mr. Lipsett's sous heard a peculiar sound proceeding from tho straw stack, and immediatoly instituted a search. After digging away a pile of anow and two or three feet of straw, the pig that had been given up for lost jumped ont with a bound apparently as strong as it was before its adven ure. The pig when first seen was lying in a oramped position, with the straw paoked tightiy all around it. It is supposod that the animal subsisted on straw, though there was no evidence to show that it had eaten anything.

## WASHING SHEEP.

The old custum of mashing sheup is now more hunoured an the breavh than in the observauce. In theory it equalizes tho quality, in practice it causes whder variation. A gruver, if honest, will cleanse the fleeod fairly, if "ins:fferent honest," he will only malse pretence. This triok woald not avail, but for the equally wrong practice of buying unwashed wool at a uniform deduction for dirt, without rogard to quality. It is a profier of a Roland for an Oliver. Hamano flockmasters oppose the washing of sheep because of their lis. bility to take cold in subsequent changes of tomperature, or continued rain ; because if deferred to settled warm weather, discomfort and loss of condition follows the hot spells of later spring. In many parts of the country washing has beon found impracticable for want of convenient or sufficient water. In the great ranges the practice is abandoned, and by large numbers of growers 6ast of the Mississippi. It should be everywhere disregarded, and all wool sold on its morit.-N. Y. Tribune.

## SELF-CLEANING PIG PENS

The yriter has placed pigs upon a slatted floor, which would allow the liquid and much of the solid to go through, and the balance was mostlytrodden through. On one side of the pen was a strip of tight floor, four feet wide, with the trough placed upon it against the side of the pen, and upon these planks was placed bedding for the pige. They sojn learned the ase of the slatted part of the pen, and would go there and drop. The alatted floor is elevated fifteen inches above the bottom, so that the excretion works through the slats, and the pen and piga are kept olean. A door is hang on a linge so as to be torned ap and allow the manura to be cleaned from under the alatted part of the floor. The pigs, in this case, keap quite clean, without any labour being bestowed upon it, except to remove the manure once a month from under the slatted floor.-Nat. Live Stock Journal.
Ir is said that foot-rot and other disesses to which sheep are subject occur muoh less often smong flooks which are pastured on rather rough ground, and particalarly where they have to olimb hills to get thair grazing. In Scotland, the great sheep country of Europe, the sheep are always found in greatest numbers among the mountain rangea.
The noxious freed, "Yong John," infesta the meadorss in Northern Now York, and threatons injury to the dairy interest.

GOOD PAY TO AGENTS.
Aronte wantud so oror rilligo town and to writip, to make

 B Jondan Btrect, Toronto.

Publloter.
LETMERS on business should always be addretred to che PUBLISABR; 仿位e communications intended for insertion in the paper, or relating to ehe Ealtorial department to ensure
urompe attention, must be addressed to EDITOR RORAL OANADIAN.

## Tht Guxat ciamaliau. <br> EDITED BY W. F. CLARKF.

TORONTO, JULY 1st, 1882.

## TREES IN FLELDS.

We have often observed, in the course of our travels, that while many parts of the country are very bare of trees, there are others in which there is a superabundance of them, only they are unt of place, being miscellaneously interspersed thruagh cultivated fields. The other day, whon journeying through one of the finest agricultural districta of Ontario-that, namely, lying botween the town of Paris and the city of Brantford - we were much struok with the large amount of land thus occupied, "The plains," as that section of the country is called, are thickly dotted with trees; and while it must be coufessed that they add greatly to the beruty of the landsoape, it camnot be denied that they diminish the orops to a very serious ex tent. If an accurate calculation were made in regard to this matter, the thrifty farmers of Brant county would be surprised to find how costly a tree tax they are unconsciously paying from yenr to year, in the diminished products from their fartila acres, owing to this cause. It seems a very common idea that trees make no demand on the soil ; hence an orclard is not considered to occupy the ground, and so a crop of some sortusially grain-is expected from land covered a fow inches beneath the surface with a network of roots. But a little observation will suffice to show that this is a mistake. It matters not how liberally a piece of land may havo been manured, a tree will monopolize the greater part of the resources of the soil, and leave s circle of halfstarved grain all around its trunk. Suppose each tree standing in a field of grain to lessen the crop to the value of a single bushel of whest-and we believe this estumate is far beneath the marbthen the tax 18 indeed a serious one. It is no exaggeration to say that in the particular district above mentioned there are farms that will average from tro to four trees per acre. Calculate what thas comes to in a year-in ten years-nnd it will be seen that it amonnts to a considerable sum. Beside the loss in crops, $t$ tere is the trouble of ploughing around trees, which is by no means a slight affar. It lessens the day's work of teams and men, beside being hard on implements and harness. We are strongly in favour of trees on farms, but we would have them in proper places: along the lughway; as wind breaks; perhaps along the lines of fence-though, in trath, both fences and trees should be swept away as inconsistent with economical farming. A weed has been defined as a plant out of its proper place; and, strictly speaking, a tree in a cultivated field, unless in a fence corner, is a big weed. The convenience and comfort to critle resulting from having trees here and there in pasture fields is often pleadea, but these are quite as well secured if the trees are confined to the lines of fence. In the good time coming, when cattle are mostly solled, it will be found chesper and better to provide sheds and yards than to keep up extensive past're ranges saffioiently shaded with trees to protect stock from the noon-day sun. By all
means let the dwelling-house and farm-steading be embowered in trees; by all means let there be a reservo of woods well underbrushod and kopt in a park-liko condition, whero cattlo nan roam and onjoy thombelvos; by all meaus los the exposed part of the farm be sholtered by a strip of forest and overgreen trees; but to anvo trees hore, thore, and everywhere is poor economy of land and labour. Wo do not advoonte the wholesale destruotion of trees in fiolds, but, by $n$ judicious course of planting, the substitution of groves and rows of trees, where they will not interfere with farm work and farm- crops, for the miscellancous growths whioh iuterfera with the productiveness of the soil and the rtraightforward and pleasart work of the ploughman.

THE ENSILAAF QIIRRTION
Discusbions on the above subject continue to be "all the go in our Ameriosn exchanges, but we must confess that unfavourable opinione appear to be in the majority. The N. Y. Tribune summarizes a number of dobates in the following paragraph, which 18 headed "Some Sayings about Ensilage: "-
" A misinformed person might easily imagine that the champions of the silo were all interested in the sale of an ensilage cutter or other patent in some way connected with the new system of storing fodder. - Ono impulsive critic has dared to maintain that the enthusiasts of the pickling process couldn't see anything agninst their hobby if it were written in letters as large as the broadside of the biggest barn in Nov England. Is the effusiveness thus parodied the effect of the alcoholic sumes of the 'cow krout' on the human victim? If so, it suggests eu added labour for the temperance advocates.-The Farm Journal has this caption to an incisive article against ensilage: 'A Bald Hambag Knocked on the Head.--Secretary Russoll, of the Massachuseits Board of Agriculture, says the use of ensilage lessens the amount of cream, and butter from it shows its flavour.-Mesbre. Ephraim Chamberlain and Joseph H. Walker, Worcester, Mass., 'investigating and thinking men,' are quoted as opposed to ensilage.-The Rural New Yorker insinustes tinat there are 'crazy-heeds' connected with the absting ensilage excitement. $-A$ correspondent writes that he visited the Pompton silos a year ago, and was not greatly impressed with the system as seen there, nor with the proprietor's method of presenting the subject. Secretary Russell is quoed in the N. E. Farmer as having said in a recent public address that he and others 'opposed the pretensions of the ensilage supporters at the outset, becbuse they began by claiming what was impossible, and because there was an evident purpose of speculation on the part of some of its advocates. - Meanwhile the search for trath at the bothum of the silo goes on, and there is labour still for the Gradgrinds; ' men of facts and calculations, men with measuring sticks and multiplication tables always in their pockets.'

## "THE CATTLE FANCY."

The N. Y. Tribunc is pursuing live stook job. bers fith a very sharp quill. We have already copied one or two trenchant editorisls from its columns on this subject, and hope they may have some influence in restraining apeonlation, and inducing people to have some regard to resl rather than fictitious values. Under the above heading the able journal named had another spicy axticle in its issue of June ' 7 th, in the conrse of which it said with mnch trath that "the ligh rates paid for blue-blooded Dachosses and the black muzzled among Jersey pets bear hardly any
moro direct rolation to tho great practical dairy industry and the pressing question of oleomargarine than the onter gingerbread of house orna mentation bears to the solid basie of atone which sustains the structure."

Oar rorthy contomporary is not far wrong in thinking that the fanoy prices obtained for animals with fashionable pedigrees are secured by means very like those whioh are used in the par lieus of Wall streot, on race-trachs, and in poolrooms. It finds a orumb of consolation in the refleotion that if the mania for speculation did not take this form it would bo pretty sure to assume others, aud concludes its homily with the follorving paragraph :-
"If gentlemen of wealth and leisure, or those who illustrato the old saw about the unwise and his money, wish, in the excitement of sharp competition, stimulated by 'hippodroming' and offers of expensive oilvor-plate, to pay fat prices for such an intangible substance as 'pedigree' (whioh thoy fondly think thoy seo illuminating the tip end of eadh individual fawn-coloured hair of sleek and promising bat untried heifera, and even showing itself in the delicate shadings of their hoofs and horns), there is no lary-ercept mayle a moral law-against their doing so. If the disease didn't take this form it might break out in the rabbit aberration or the fanoy for swell dogs or pet poultry or pouter pigeons; and if wholly ropressed in such lines of activity it might oven have to expend its force on the ill-fed and despondent of the sorrowful human race. But when agriculturists and well-informed praotical people who carry the heary waights of this present world, see accounts oi such cattle sales, they recall the sure outcome of the folly as exemplified in many experiences ia England and in our own country, especially at Now York Mills, fifteen years ago, and they make the casy and convincing calculation that probably no corv ever lived that was really worth a single thousand dollars-much less five or forty thousand."

## MANURE SAVIVG.

Snving manare is like saving money. "Take care of tise pence and the pounds will take care of themselves," is an old adage in regard to money saving. A like prinoiple applies to manure saving. A correspondent of the Farmer's Review gives an interesting account of the methods by which an old German, rigidly economical of all the fertilizing material he could scrape ap, managed, with only one cow as a manure-maker, to raise on a small plot of land a quantity of firstclass vegetables. There is a mural to the story which will apply to extonsive farmus.
" He took me to his little barn and showed me the inclined floor of his stalle, which conducted all ihe liquid manare into a tank. In a little shed back of the stable, prutected from the ram, he piled the other portions of manare. Every scrap was colleoted carefally. Nothing was allowed to be lost. Two or thres times a weok he cleaned the floor of the stablo, and the water used Was tarned into the tank to dilute the liquid stored there. In a sled adjoining the one contsining the coarse litter from the stable he piled up all refuse that could be made into manure. Leaves, stratr, mack, the stocks of vegetables, all wont into this pile, to be wot rith the liquid from the tank. He turned it over frequently with a long. handled fork, and soon it became as rich in fertilizing power as the more solid portions of the stable manure. In this way the old German secured more than doable the amonnt of manare that one cow would make, and the liquid in the tank, to which soapsuds and all other liquide contsining any elcment of plant food were addod regularly, supplied an invaluable stimulant for
young plants. If coarso manure were to be used, the results would not bo so immediato. In using liquid, the nutriment was taken up at oneo by the soil. It wns in shapo to mako all its fertilizing power availablo as soon as applied, and tho plant with whose roots. it oamo in contact recoived vastly more benefit from it in ils carly stages of growth than it would have received from manure which must andergo some chomical change bofore it bocomes a part of the soil. 'This,' pointing to the manure in the sheds, 'for by-and-by. This,' pointing to the tank, 'for to-day.'"

## COW-MLLKING BY MACHINERY.

Various devices have been tried with a view to dispensing with the slow and laborions method of hand-milking. Tubes have been inserted in the teats, and rubber imitatious of the grasp of the calf's mouth have been attempted, but thuagh these plans have been partially successful, su far as drawing the milk is concorned, they have in the end proved failures. Either thoy do not atrip clean, or they inflict injary on the udder. Most experienced dairymon have but slight expeotation that milking by machinery will ever bo accomplished. Still, in this wonderful age, it is difficult to tell what is impossible.

## OFERTOIL FOR WEALTH.

It is difficult to understand for what object many people-and there are some farmers in the number-are working so hard. They have enough and to spare, both for themselves and those who are to come after them. Dr. Dio Lewis, in the Golden Pule, sketches the history of a man who began life poor, struggled successfully to get on, and died at sisty worth half a million. Few men ever worked so hard, and fow were ever so worn out at threescore. Dyspeptic, nervous, wretcher, he constantly longed for rest he could not obtain; and death was not unwelcome, he had become so weary of life. A dissipated son and two gay, helpless dolls of daughters are doing their best to squander their father's hard-won wealth. Tho doctor wishes this "poor rich man" could rap out or othervise convey his present opinion of his earthly carecr.

SKETCHES OF CANADIAN WILD BIRDS.

## By W. L. Kells, Listonfel, Ont.

the canadin mocking bird.
The vocal and imitstive powers of the mockingbird have lung been a theme for che poet and the admiration of the naturalist. There are several varieties of the mocking-bird species, bat the one common to this country, and asaally called the cat bird, is about ten inohes in length, the taul being remarksbly long. Its plumage is sootyblack, escept the winge and tail, which have a deeper hue, tho bill and eyes also are deep black. It frequents thick ehrabberies, vinegards, and the willow-covared margins of creeks, and seeks the most concealed spot for its resting place, though it often visits gardens, orohards, and the borders of the woods in search of food. The female builds her nest near the ground, among thick bashes or evergreen shrubs, where it is well concealed from observation. It is constructed of brambles, dry weeds and leaves, comented with mud, and lined with fine roots and dry grass. The ugge, four in number, are of a deep green colour, and two broods are sometimes raised in the season. They are strongly attsched to their nest, and the affection which they exhibit towards their young is unsurpassed by any of the feathered race. They are very diligent in supplying them with food, and should they be exposed to danger they will,
in trying to dofend them, oncountor the utmost hazard, scoming almost strangers to foar, and ox orcising all thear arts to drive or drave off tho invader. The vooal powors of the male bint are groat. The notes of the blackbird, the song of the thrush, the robin, tho grosbonk, and the warble of the canary, the call of the anipe, as woll as the solos of other birds, and even the cries of sume naimals, are all succossfully imitated, in. tormingled with othor notes peouliarly its own. It not only sings aud imitates with deceptive oxactnese, but scems to dance at the samo time, hopping from branch to branolh, as if kooping time to the music of its voice. It ofton deceives persons by imitating the mowing of a kitten in pain, and as sood as it is approsched, either durts off through the thick brushwood, or begins to warble sume other nutes, apparently delighted in thus deceiving the human ear. It also seeme to take pleasure in teasing other birds by inuitating their love-calls or notes of distress, and as soon as they apprunch terrifies them by the scream of some of the havls tribe. While hay-making is in progress, it sumetimes visits the meadums nomr its Launts, and occasionally startles the farmer by its cat-like calls and other peculiar notes. This species is in general solitary in its habits, its movements are quick, its fight rapid, but short, and it feeds on insects, berries and seeds. It makes its appearance in Ontario in May, and disappears again in Soptember.

## the amebican robis.

This interesting and familiar bird is genorally regarded in Canada as the harbinger of spring, although, in some parts, the blue bird makes on carlier appearance. In the central parts of On. tario it does not, as a rule, arrive until the carly part of April, but it is often seen in March, and even in February, on the banks of the St. Lawrence and the shores of the great lakes. In the summer season it is found throughout the greater part of the temperate regions of North America, being tolerably abundant from tho regions south of the Ohio river to those around Hudson's Bay. It has been found to nest as far north as the fifty-siath degree of north latitude. "The first bird seen by me," says Audubon, "when I stepped upon the rugged shores of Labrador, was the robin, and his joyfal notes were the first that salated my ear. Large patches of snow still dappled the surface of that wild country, and although vegetation was partially renewed, the chilliness of the air was so peculiarly penetrating that it brought to the mind a fearful anxiety for the future. The absence of trece properly so called, the barren aspect of all around, and the sombre mantle of the mountainons distance that hanp along the hurizon, excited the most melancholy feelinge, and I could scarcely refrain from shed ling tears when. I heard the song of the robin, seat there as if to reconcile me to my situation. That song brought with it $\varepsilon$ thousand pleasing associations of the beloved land of my youth, aod soon inspired me rith a resolation to persevere in my hazardous enterprise."

The robin is a constant and beantiful singer. His lays are modest, but lively, and often of considerable poreer; the vivacity and simplicity of his song cannot fail to chemr the mind of the listener, and fill it with pleasing emotions. Immediately upon his arrival here in spring, while the air is still cold, and patches of the garb of winter still linger around the fences, and sparkle like diamonds in the brilliant sunshine, the soft and tender bat animated melody of the robin is heard echoing through the woods, $0 ;$ issuing from the orchard trees, causing a thrill of delight in the heart of the listenor. Evaryone knows the robin and his song.; he is generally cherished by old and joung; and shoald be proteoted by all
with anxious care. Fow atmosphorio ohanges in terrupt his song, in wol and cloudy weathor, as woll as in the olear sunshine, while the fomale is forming hor nest and incubating her eggs, perohod on a fence-top, or some dotsched tree in the fiolds, he gives vont to his lappy feolinge in tho sweat ton_s of his ever-wolcome song. In May, when the leeks, cow-cabbage, and wild flowers aro peeping forth in overy part of the reanimated moods; whon the lonthor rood is coverod with yellow bloom, and the dog-borry nad elder are in blossom; whon the sap of tho maple tree has coased to flow, and its red bude are nxpanding into lenves, and many other plants, assuming theirsummer livery, have banished the dismal aspect of winter, and the thunderiug sounds of the croeks and water-courses have sank to in gentlo murmur as thoy ripplo onward towards their parent ocean, and nature in all the varied and charining beanties of spring promasey pleasure and abundance to the whole creation, it is then, especially in the early murning jours, that the sung of the robin is heard to the best adpantage, as if he were anxious to show the human family his gratitude for the shel. tor afforded hy the fences and the sur sundings of their dwellings, where he often takes up his summer residence, in prefer, nce to the wild scenery of his native woods.

The surveyor and the pioncer find the robin in the backwoods, and though the progress of civilization may cause a treeless farm or busy town to occupy the site of the trackless forest, yet it does not, like others of its race, forsake its native lyomestead, but year after year returns at the voice of spring to the same vicinity, and makes its nest as readily on the furm fence or in the shade trees of the populous tomn, as it does in the wild woods, where the foot of man may have never trodden. The robin, when taken young and carefully supplied with suitsble food, is easily domesticated, and sings well in a state of confinement. A Canadian writer, speaking of the robin as a song bird, says: "A gentleman informed me that he had one of these birds in a cage, which not ouly sung exquisitely, but rendered yuite perfectly a number of airs, executing the different and rapid passages in an easy, graceful style, putting in the variations and modulations with fine effect. He told me that he had always bean fond of singing birds, and before coming to this country had a number of larks and thrushes, but he did not hesitate to say that this bird was the best singer that he had ever heard or seen." The robin, notwithstanding its innocent and peaceful character, has to reckon man among its worst enemies; for often while the poor bird is warbling perhaps his first song after his return from his winter exile wo his native land, he is shot domu by some heartless gunner. Laws have been enacted in Canada in order to prevent the dostruction of asciul birds, but to a great extent these laws are disregarded. Besides man, owls, hawks, crows, jays, cats, squirrels and other ani mals conspire in diminishing "? number of the red-breasted songsters, and at the migratory periods often appear in large flocks. In October these birds begin their migratory movements towards the south, and during the winter months they are found in all directions and in great numbers in the Southern States. Some few, however, are still found in Ontario, until the first fall of snow and the cold blasts of November proolsim that winter has finally set in, and instances are known in which solitary individuals have been seen in the woods as late as the Nem Year, and as oarly as February. The flight of the robin is pretty rapid, at times greatly elevated, and capable of being long sastained. At the period of thoir general migrations they move in loose flocks over a space of several hundred miles, and at a
considerable height. If the weather is calm, their morements are continued during the hoars of darkness, and at suoh times the noise produoed by thoir wings is sometimes heard at a considerablo distanco.
The nest of the robin is composed of leaves, stram, moss, rool, cotton rags, paper, and grass, plastered inside with mad, and lined with fine dry grass. The egge are generally four in number, and of a light green colour. It feeds on various kinds of srorms, inseots and their prodace, as well as on various species of seeds and small ripe fruit; and at the time when currants and cherries aro ready for use, it must bo admit ted that it is not friendly to tho interests of the farmer in either town or conntry. Bat in the spring it mas often be seen in the fields following the plough, and feeding on those lower forms of snimal life which, if left to remain and increase, would be very detrimental to the interests of the agricultarist The following sketch will convey to the mind of the reader a lively and natural description of the zobin when searching for its morniug meal in the early sammer hours:" Watch an oid robin pounce down on a lawn or pastare moistened with def or rsin. At first he stands motionless, apparently thinking of nothing is all, his cye racant, or with an anmeaning gaze. Soddenls he bends his ear on one side, malies a glancing sort of dart with his head and neck, gires perhaps one or two hops, and then stops again, listening with attertion, and his oye glistening with animation. His beak almost touches the ground; he drans back his head, as if to makle a determined pick. Again be pauses and listens, and again hops a few steps, scarcely moring his position, then is once more motionless as a stnfied burd Bat he knows well what he is about, for after another moment's pause, haring ascertained that all is right, he picks away with might and main, and soon draws ont a large romm, thich his fino sense of hearng had informed him was not far off, and which his hops and precrious picking iad attracted to the sarface, to escape what the poor worm thought might be his underground enemy, the mole." The robin is nine Enches in length, and its plamage, though not the most attractive, is nevertheless not deroid of beauty. The breast of the male is of a beautiful red, the lower parts are whitish, or ash coloar, and the upper parts of the rings, body, and tail aro of a light brown, or earthy hae, the head is blackish, the cjos aro encircled with a ring of whice, and tho beak is yellor.
Ture wire-norm lias mede a raid apon a tenacre field of White Rassian wheat, omod by Darid Henry, of Ramsay, Lsnarl county, and entirels destroyed one-half of it.
$I_{i}$ is remarksble that nuore pears aro not planted. They are casy of cultare, and almays com. mand reads sale at high prices. It is not often that thes go lower than $\$ 1$ or $\$ 2$ per bashel, and thay ususily bring from $\$ 4$ to $\$ 10$ per bushel, if choice.
An Illinois iarace has found a way of getting threc proce for his pork. Ho has brijt a coring house, and croaicd a market at his orn door for the smojed weat, ai fifteen cents per ponna. Of course the caring procces is managed so as to turn out first-ciess beoon and hams.

- I sixi the collars of soar new hamess are 100 lerge for gour tcan." "Ies, iat I havo cights horsos or different sizes, and when I bay s harnass I mast ge: collara that can be nsad on tho catire hard of eight:" As I obserrai tho scars on tho bhoalhers of his tcem I mondered how his family of boga would like to wass the same sized boots, from Johnos, six yosre old, up to Willian, ago thirty fica Tharle $A$ irem, in N. Y Tribura


## CURRENT NETS ITEMSS.

Tracrs of land havo beeu allottod to the Scottish, Ontario and Manitoba, and the Primitive Mothodist Colonization Company.
A skusx hunt is an innovation amongst sportsmen at Rat Portage. The attire is a novel one, boing an oilskin sait. The hunt got on the wrong scent in a ohase last week.
Mr. Joun McQuees has sold his farm, lot 22, Srd con. of Stanley, to Mr. Petar Campbell, of Clinton, for the sum of $\$ 6,000$. This is an excellent farm, containing about sixty acres cleared and forty of bush.
Truser children in the tornshlip of Grey climbed into an ost bin on the 17th ult. The lid closed ypon thim and got fastened, and when the hired man opened the bin to feed the horses, he found the children dead.
Tze Stirling Neus-Argus says: " Mr. James W. Butler has left at this office a potato leaf which measares no less than $6 \frac{1}{2}$ incies in length, exclusive of the stem, by $5 \frac{1}{2}$ inches in breadth. It is from an Early Vermonter rine, and would feed a family of bugs nearly the whole season.'
A fabser on the fourth line of Notterrasaga is the owner of a ewe which recently dropped a lamb. The lamb grew and waxed in strength for nearly two weeks, when lo! another lambkin came to share his pleasures. The farmer oxpects that the ewe will keep on, and that he will have a large flock before the fall.
Tus Mridand District correspondent of the Lindsay Past says: "A trio of young men went fishing the other Sunday on the Nottarrasaga river, and captured one stargeon; the bait they nsed is new to all anglers, and ought to be pat on record, being a silver half-dollar. The bait has to be renered every fresh fish hauled in."
Tuers has great destruction of property caused by torasdos in several States of the Uuion, especinlly in the State of Ohio, recently. Hrlf the town of Grianell, Ioma, was laid in rains, sistsfour persons being billod, and over 146 moanded. There was great destruction of life and properts also in sereral other towns in the State, as well as in sereral othar States.
A rear ecoentric man wes Andrew Herster, who las just died in Esston, Pa He nevar sartr a stammokip or a large sailing vessel ; he never rode aither by rail or on strees cars, bat be made over $\$ 250,000$ by cattile dealing. In death his eccentricity remained, for he left four-fifths of his property to one son, and cut off his other fipe children with next to nothing.
Mre. Gro. Bursistr, of the 16 th concession of Horick, sold seren hoad of cattle lately weighing as follows: $1,615,1,550,1,520,1,480,1,265$, 1,355, and 1,350 poands.-Also 3fessrs. Wm. Wallace and James Saddan, of the 17th concession, sold four hoed; the former three bead weighing $1,545,1,400$, and 1,305 pounds, and the latter ono head weighing 1,365 pounds.
1 Nixw Yoar batter and eg8 firm hess just got into tronbll throagh conating its eggs before they were laid. It calculated on a big egg crop, and contracted to deliver 100,000 dozan agge at 14?, 16, and $16 \frac{1}{4}$ cents per dozon. But tho Feather went bsck on tho hens, and tho hens went back on the eggs, and the firm went back on its con: tract Nor all partios are laying around cecchling sbout the wasther.
A soostza mas missing from a farmyand in Tirginia for noarly throe Focks. At lsst the cook said. "IHe in de mell, I hear him crow dowa dar." A man woat dorna rith a light and brought up a rooster so thin that tho light shone through him-feathers and all, but ho was alivg, arid though ecarody able to walk, was around
next day as chirk as over. He stood on a jatting rock in the well, unablo to fly out.

A suonr time ago a wood pile near the residence of W. H. MoNoil, Lansdowne, was discovored on fire early in the forenoon. As no firo had been burning anywhore near the wood, it was quite a mystery how it started; but investigation proved thant it was caused by the heas of the sun reflected from some mill paus standing outside the kitchen door uear the wood pile. To make the matter sure, the reflection was thrown on another part of the pile, and a fire soon-started.
a Frence officer of hussars quartored in the east of France, receutly rode his mare from garrison to Paris, 100 miles, in trelve hours. After resting two hours, ho took har to the show grounds of a largo exhibition, and sho pranced around the arena, apparently nearly as fresh as if she had not gone through such a severe performance. This is most extraordinary-her not seeming sulsequently much fatigued by so long and quick a race. Horses have repeatedly been ridden or driven 100 miles within the time named, and even a shorter one ; bat they showed great exhaustion afterward, and sometimes wers rained or even killed by it. At best it is a hazardoas and cruel force-put-N. Y. Tribune.
Froy the Monthly Weather Roview for May, issued by the Dominion Meteorological Society, it seems that there was more sunshine at Winnipeg during that month than at any other place in Canada. Constant sunshine is represented by 1 , and the following is given as the mean proportion for the month at the principal points of observation :-Winnipeg, 0.58; Wooāstock, 0.45 ; Toronto, 0.51 ; Montreal, 0.48 ; Fredcricton, 0.52; Sydney, 0.46. Tho maximnm daily amount of sunshine was :-Winnipeg, 11th, 0.95 ; Woodstock, 15 th and $29 \mathrm{Lh}, 0.85$; Toronto, 29 h , 0.94; Montres, 7th, 0.99; Fredericton, 6th, 0.97 ; Sydney, 6 th, 0.95 . The number of duys completely clouded mas:-Winnipeg, 2; Wood stock, 7 ; Toronto, 5 ; Moutreal, 4 ; Fredericton, 4; Sydnny, 8.

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## IMEE DAIRY.

## ITEMS IN D.AIRY MANAGEMENI.

Prof. Sheldon, the eminent English dairy authority and leoturer upon dairy managoment, has recontly been delivering a series of lectares at South Kensiagton. We notice that he was profase in his references to the way dairying is carried on in this country, a knowleadge of which to gained during his visit here a fer monthe ago. Of the influence of food on the butter product ho says that the proportion of butter in mill is much more easily infiuenced by changes of food than is the proportion of casein ; so that it followed that the nitrogenous is more constant than the nonnitrogenous matter. Thus the improvement of mill is more in the direction of an increase of fatty matter, and less in that of an incresse of cheesy matter ; therefore the high feeding of cattle is more adrantageous when the mills is used for butter than when it is used for cheese. On the Derbyehire hills it is a common saying that "the poorest land made the best cheese." Paradosical as this might be, it is absolutels true; although it assumed that the poor land is sound-i.e., that it requires no artificial drainage. Cheese produced upon such land as this, if properly made, would be botter than that produced upon richer soil. The quantity per acre is less, but the quality is superior. The reason of this is supposed to be that the grass grown on rich land contained a much larger proportion of the clements which go to form fat, while that grown on poor land contains a larger proportion of the elements which go to form flesh, from the latter of which cheese is made. Another consideration is that it is a much simpler and an easier thing to male good cheese on sound poor land than upon rich land.
Hehad known dairymaids make cheese success fully for years, and then atterly fail, without anyap parent reason. One of the principles which should be borne in mind was, that the composition of milk might be raised or lowored by the composition of the food given to the cows. Mr. Sheldon impressed upon his students the estreme importance of leeping all vessels and appliances scrupulousls clean. He then said it had beer estimated by a German friend of his that in a pan of milk containing four per cent of batter, there were forty thousand millions of cream globules. These rose to the sarface simply bocause their broyancy was greater than that of the mill which contained them. Their density, howerer, raried a good deal, for while some came to the top others remained stationary, and yet others sank to the bottom. It was still an open question whether they had ans covering, but the consensus of opinion was in the affirmative. In shape thoy wera generally cral, bat never angular. He had no doabt the open pan system was the one that rould ultimately precail, and it ras apon this principle that the finest butter ho over sav in his life was made. The Swartz system of raising cream was not undeserving of commendesion, but it was not likely to come into gencral ase, becanse of tho dificulty of socuring ice just when it was ranted, riz., in the height of summer. The American Cooley creamar was an angenions arrangement, and might be relied upon for keeping cresm perroctly cool in hot weather, but in neither of these contrivances did the cream separate so well as in the open pan; and it ras, therefore, almays very thin. In Amence, he might mention, thoy made trio or threo qualitios of batter from the same mill by shimoing off the cream and then learing tho milk to stand antil a fresh lajer lasd formod. Anoluer objection to the tro machines he had mentionod ras that tho croam in rising ras oxposed neither to the atmosphero
nor to the light, the latter of which was nocessary to the development of colour in butter.

Whother either of these is destined to become a popular and permanent institntion, he should leave it for time to disclose, bat he might be permitted to say that the centrifugal cream separator, whioh was one of the most wonderful inventions of modern times, would in all probability supersede all other methods in large dairies. He did not think the invention would come into use in small dairies, becsuse a steady motive power, like that of steam or water, which would not often be available under such circumstances, tras needed to drive it, hand-power being insufficient, while horse-power was too irregular. . By means of this separator, perfectly sound cream could be obtained from perfoctly fresh milk, no matter how hot the weather. It also extracted a larger proportion of cream from a given quantity of milk than any other process, only one-quarter of one per cent. being left behind, while frequently the percentage was as low as .15; and it was said further that a quart of cream obsained in this manner produced eighteen ounces of butter against siateen ounces obtained from cream under the open pan system. Dr. Voelcker had said that the finest butter was made from perfectly fresh milk, and with a little modification this was no doubt right. It was true that perfectly fresh milk would make perfectly fresh batter, but then perfectly fresh batter was a little insipid; that was to say, the flavour, Fhich was a product of incipient decomposition, was not fully developed. The Americans attach a grest deal of weight to what they called the ripening of the cream. The cream should not, therefore, be churned directly it ras skimmed, but shoald be allorred to stand a little while, the flavour being acquired better at this stage than after the butter had been made. The white flecks sometimes seen in butter fere either the remnants of cascine, or were caused by strong rays of light falling upon the cream. Esch day's cream should be bept separate until the time came for charning, bat before churning the various accamalations should be well mixed together, and be allowed a little tune to amalgamate. Inferior batters were now being thrust out of the market by oleomargarinc. This was made from the fat of animals, melted down, and divested of all the fibre or stringy matter, the fat being charne3 with milk or buttermill. As a matter of fact it was not batter at all, bat he proferred it to inferior butter.

So far, butter factories had not succeeded in England, but in America they Ficre very common, and were conducted in the same way as the cheese factorics. The farmers sent in their milk or cream, and the butter was made apon the most approved principles, and in immense quantities, so that a large quantity could be supplica of one uniform quality, by which a difficulty was obriated that had to bo enoountered by oar batter sellers, who complained that the batter of no two farmers was ever alike. Haring recommended the uso of cream gauges, and statod that he had known the milk of a Jerses cor to register tren:-5-fire degrees, while sometimes the figuro sras so low as seven, the lecturer came to speak of cheose-making, in relation to which he said cleanliness ras even more consequential than in batter. It ras matter of common notoriets that the making of cheese in Englandwas rapidly doclid. ing, and probsbly tho time rould come when it would ceaso elmost entirnly. It was not far from the trath $b$ say that they mado only tro-thirds the quantity they mado tan or fiftem jears ago, and by those who were able to make the comparison it wres allaged that the oheess of the present day Fras decidedly inferior to that of fifty years bacal. If this wero so, it was to be tracod in the first place to high flafoning, and in the re00nd to lass pains.-Prairis Farmer.

## THE CHEESE TRADE.

Bradstreet's saysof the ohoeso trade. If prices are low, we may oxcept an indrease in the percontage of exports. If cheese remains high, we must roly more largely upon our home demand; and, so long as home marsets will take and consume it, they certainly form the healthiest and most substantial basis for trade. The make of cheese is rapidly increasing every year, the amount manufactured last year boing estimated by good judges as something like $400,000,000$ pounds. Tho shipuents from New York amounted to about $189,000,000$ pounds, and, if we add to this 27, 000,000 for exports from Boston, Portland and other ports, it will make forty per cent. sent abroad, learing sixty per cent. to be consumed at home. This estimate is probably not far from correot. So long as this proportion of home consumption can be maintained, it is possible that prices may be maintained also. But in a year of tremendous production, like that of 1878 , our factories would be largely dependent upon the foreign trade, and in that case a break in prices would be inevitable.

## BUTTER TESTS.

Reports of butter tests of Jersey corms begin to come in. The value of the little batter cow can be ahown in no more convincing way than by thus proving what she can do. W. B. hroutgomery, of Mississippi, reports that his cow Maggie 3255, gere, from March 21 st to the 27 th inclusive (seven days), $295 \frac{1}{3}$ lbs. of mill, which made 14 lbs. 24 oz. of batter. She is Sonthern bred. Sure, Nelusko 479; also sire of Gilt Edge 2nd 4426, record 14 lbs ., dam. Lucky Belle 2914, dsughter of Albert 44 and Pansy 6th 38. R. Mr. Michsel, Lexington, Ky., reports a butter test of tro Jerssy heifera. Almah of Oakland 11102, dropped March 14, 1880, by Pandors of Stastsburg 3rd 6497, sire Thorndale 9582. Almah dropped a fine h. c. March 6, 1882, and ap to the time of calving gave between one and two gallons per day. In seven days in the latter part of March slise mande la lbs. 5 oz . of buttor. Gold Princess 8809, dropped May 4, 1879 (out of Goldic C. 8104, sire Charley Kitteredge 1247), dropped a b. c. Feb. 5, 1882, and in seven days, near the close of March, made 14 lbs. 12 oz . of firm and well worked batter. She weighs 060 lbs . -Drseder's Ga=ettc.

Weat a man can do in North-prestern Ioma raising cattle, is exemplified in the cese of John Lemp. In $186 \overline{5}$ he moved from Arichigan to Sec County. That year he bought one cow of Jno. Alsander. From that cow he has raised $\$ 1,200$ worth of cattle, and has now fifty-three head, worth, at a low cstimate, $\$ 1,100$, making $\$ 2,800$ worth of stock; and during that time he has sold $\$ 1,000$ north of butter, making altogether from one little scrab cow in fifteen years the sung sum of $\$ 3,300$, besides suppljing his family with milk and butter, and soar milk for the pigs.Sac Situ.

Tho farmers were recontly comparing thu yield of milk from their respective herds for the past sasson. The receipts of one nere about a third more than those of the other, and the latter said: "I cannot anderstand this-my feed, my water sapply, and my corss aro as good as youra." The sapls Fas-" Yes, bat fhen my milkers go anto the mill barn to mill, they anderstand that it mosns business. I toll them my milling barn is no plaoe to tell long stories and spark the hired girls. I won't have a poor milker around at any price, and if $I$ catch a man striting or maltreating a corr, 'off goes his head.' "

## HOME CTRCLE

## A WASTED LIFE.

"I have tickets for the concert to-night, Abba," said James Eonley, coming into the sitting-room, whore his wife was ranning a sewing machine with a busy whirl.
"Oh, Jamob, how I wibl I oould go !"
The light died array from her hasband's face in a second.
"Wish you could go, Abba! Why, of course jou will go.".
"I can't, James. I must finish these three dresses before Sunday, and it will take overy minuto."
"Threo drosses ! "
"For Jennio, Susie, and Lolta. It is Eastor Sunday, you know, and all the spring things are ready but theso drescos."
"Bat this is onls TVednesday."
"I bnow, James, but look at the work. There are overskirts to each, and ruffles on all the waists. Jennie has three flounces."
"I suppose it is useless for me to repeat what I have said so ofton, Abba: that you are foolish in your choice of work. Little girls do not require the finery gou pat upon your children."
"Bat all the children in the congregatiou are well dressed, James. Yon cannot afford to put the sewing ont, so I must do it."
"Let the children dress more simply, then. Come, Abba, stop that bnzz for once and go to this concert. I think we cen all survive the disgrace if the children wear some of the dresses they have, on Sunday. It is seldom that any really good music is in our reach at I_ ", that I hate to miss hearing it."
"Can't yon go?"
"And leavo you here? I ahonld not onjoy it if I knew that you were stitching here. Come !"
With a heavy aigh, as if James mas expecting a sacrifice instead of giving a pleasure, Abbs left the room, and went to her own apartment to dress for the concert. While she dressed she was calcalating closely the time she mast savo to make up for her evoning of pleasure. By rising an hour earlior and retiring an hour later, sho might be able to finish the dointy silks that mere to excite the envy of all the mothers of Ir-_ on Sunday. All through the evening, while her lusbsand drank in all the sweet sounds in which ho delighted, Abba, with her face all polite interest, was thinking of the unfinished work.
"Was it not delightfulg'. James said, os they walled home in the soft spring moonlight.
"Delightial! I am so glad I went, James. Mra. Gordon had on ber now spring suit, and her drasses all como from Now York. The trimming on her basqua is quite a now style, and I sm sure $I$ can put Jennie's on in the same way."
So the talk went on, and the sewing machine Fhirred for two hours after James slept, so that Abba might not forgot how the trimming Fas put apon the now basque she had seen.
Sundsy mozning shono clear snd cloadless. Mrs. Henley had put the lest ritch into Jotha's drass as the clock streck trelpe, and she arwakenod with a pain in her chest and a headsche, bat with a fecling of tiamph. Fer children world near their ner spring saits, that had oost nothing bot the matorial.
Nothing! Mra Henley did not estimato the hoars spant orer tho machino, the woariness, tho noglest of many little dation. Thero had boen no sctual monoy laid ont in dressmaling, so it was clear gain on material.

Very protty the children lookad whon they waco ready for charch Jonnio and Sasic, trins of tan gears old, trere drossed aliko in delicato pearl colour, trimmed with hica, and lists of the noweal shape with bluo ribbozs. Lotis Fure ocriso colour with cariso trimming, for Lotta ras a branotto of soren.
Tho charges at starting for Sanday school wero:
"Bo saro you lift your orarskirts when you sit down, don't leac bach apon tho streamers oi your hats, and pralk where you fill not soil your light boois. Don't strain your glores, and lif your fonncos when you kneal down."
"It is such a roliof that thoy aro all dressed," asid Abb3, as the children started, their littlo parasolsjiun. till told, and their wholo air skowing their appreciaHion of their now finory.
"Orer-dreasod, Abbs I" Fas tho ropls. "Four orfy dresnes are not more alaborato."
"It is the fashion now to cat ouildron's dresses liko ladios'. Bat you ought to bo prond of your children, James. Everybody oomplimonts mo upon tho tasto with whioh I dross them."
"Abbal" Mr. Henley said anddenly, loauing his wifo to the mirror, " look at your own face."
"Well ? " she said, woudering what be could mean.
" Your cheeks are whito as chalk, there is a heary line under your eges, and your whole air is that of a woman worked to death."
"James, what nonsense!"
"It is not nonsense. I wish it was. Five years ago you had the comploxion of a child-as clear and rosy as Susie's. Yoar cyes then were bright-full of animation. You hed young children, a house to koep in order, and just half our present income. Fet you could find leisure then for a daily walk, could enjoy an occasional evening of social pleasaro, or some ontorlainment. I had a wifo then."
"James! What do you mean?"
"I mean that in place of my happy, bealthy wifo, I heve a sickly, ovor-worked seamstress. These dolls that have just gone out have none of the grace of childhood. They are becoming little pieces of vanity, nil absorbed in their finery. Their nudgrelothing would do for signs in an emporinm of linen, with embroidery, roffles, and tacks."
"But I do it all myself, James."
"Eractly. You aro stitching your liio into the garments of children who would be far happier, healthier, snd better in the simple clothing suited to their years."
"You are so old-fashioned, James. You would not have your children look like frights ?" $^{\prime \prime}$
"You know as well as I can tell you that I like to see them neat and clean, bat I do not like to see thom dressed like fashion plates at the expense of your health."
" Oh , I am well enongh. I am palo to day bscanse I sat up late last night. Bat I must dress for chureh, or wo will be lato."
The glad Eastar service passed over iurs. Henlog with bat littlo impression. To her chagrin, the little Goodsrins, who had all of their dresses direct irom Now York, had au entirely new style of overskirt, that mede Susie and Lotta look quite old-fashioned in the eyes of their mother. While the sermon was read, Mra Honloy was trying to contrive some way of remodelling the olnoxions skirts. All the triumph of the morning in the really beantifal dresses rias gons, gone. The Goodwin girls ondaressed the Henlay girls!
Summer came, and tho long spring deys were spent in prepsring a sessido wararrobs for the children, for Mr. Henley, by the advioc of his physician, was going to take his wifo to the ocesen air.
Tho pain in the side insd beoome very troablesome, and there was a little congh that meant wakeful nights. The pale choors were seldom tinged with a heslihy colonr, and the ejes were languid and heary. People spose pityingly of Mrs. Henley as "quite an incalid," and her husband mourned over the alteration of his mifo.
He insisted apon haring a physician, who advisod fresh air and oxerciso, and a tonic. Abba obediently 5wallowed the tonic, took a dsily walk, and then mado up for lost timo by slitching far into the night. For wore not the Goodwins, tho Wilcores, and all tho losding fashionablos of I-going to the same hotel rhere Mr. Henley had taken rooms 9 and conld Jonnio, Suaio, and Lrotta have one inch loss rafling then they possessed?
hitr. Henley protested in rain. If he sent s seam. stress to holp his rifo, it only gave an excuss for a dress or tro moro to bo made, and ho finally gare up the attompt to bring sibba to a rassonable smbition. He was an afrectionsto husband, a kind father, liboral in providiag for his family, bat his salary raan not sufficiondy large for him to sival tio expenditare of tho fachionable friends that Abba had made. It was ontirely vain to toll him that it mas in his Fifo's favour that she could, upon smallar meanh, riess herscif as woll as any in E . Ho obstinately maintsinod that his wifo's health, hor oumpanionship, herintarest in hir pursaits, in thy books ho read, her masio, and har sweot roico in singing ware far mare valasble then twonty-sovan flaunces upon Jomnio's dress, or fify tucks in Johta's akirt.
Still io ondured ta patiasky ac might bo tho loss bo doplosed oi Abba's bright intorast in what had in.
terestod both. Ho tried to admiro the really exquisito specimons of needlework brought for inis inspeotion.
He only alrugged his shoulders whon his hittle girla minced along with dainty, fino-lady airs, ingtead of bounding with the freedom of childhood. He bore the ateady whirr of the sewing machine in the evening, instead of the voice or mnaic of his wifo.
But when Abbais health began to give way he oxcrted his authority, and found ho had been silent too long. The love of dress had gratyn stronger, and the ambition that had taken so deplorable a path conid not be put asido. Abbe submitted to all James' directions while he was beside hor, and worked doubly hard when he was away.
But the summer wardrobes comploted, the dainty bathing-drasses trimmed, the Saratoga trunks packed, Abba faithfolly promised James to rest during their summer bojourn at the seaside. With a sudden conscionsness of growing weakness, there came to her an appreciation of her husband's love and pationce that had been numbed. She began to realize that sho had let her ambition for dress overshatow her love for her husband, and that she had pronged him in dopriving him of the companionship he had prized so highly.
"I will rest whilo I am gone, and when I come back, James, I will give my evenings to you, as I did when we were first merried."
This was a parting promise nevor to be cnacted. Only a few days' rest were allowed her, before an acute athask of long fovor prostrated her. James left his business to harry to tho seaside, a nurse wes engaged, and medical skill did its ntmost. Bat the constitation Fonkened by confinemont, and while the sammer days were in their fall boanty, Mra. Henloy kner sho was dying.
It was a bitter thought. Lifo held so mach that was precious; her kind, loving husband, her beautiful children, her happs home-all must be left.
"A mysterious dispensation of Providenco." said Mre Goodwin; "such a good mother. Aud those children are just the age wien they most need a mother's care."
Bat Abba Henloy, in the dread hoar she bade farowell to hope. Wound her arms about her hasband's neck, and sobbed:
"If I had only listened to you, James, I might bsve been a guide to our clilaren, a companion to you for many years, and when I died have left loring mamories instesd of a trank of fino clothing. I have wasted my lifo."
And Jamos Henloy, in his widower's weods, with his three litlle girls in sombre black boside him, wonders mournfolly how many of the mothers of tho land are wasting their lives in the same siragglo for appearance.

## LIFTED SHADOWS.

Shadnws o'or cach pethray lingor.
Hest a momont, then pass on;
Bat more brilliant seems the sonshino
When the transient gioom is gone
So the ahades of carth still horar,
And our warriad hesrts discorar,
Nio safo haren for our berquo.
Rajs of glory, glouming brifhtly
Girclion round tino brox of meres.
Whanco sho angaish'd drops fow'd dokx,

## Ecaltor smifly all the shadors.

Derkening oier tho waters mido,
Into which our barque may glida.
Tororsto.
E. A. S.

## ONE OR LIFB'S INOIDENTS.

"A massage for yon, sir." And the sorvanot handar in an small folded papor.and withdrow, while the mattar of the houso malied to the rindow, and soaght by the fast failing trilight to deciper tho almost illegible scrawl, "Will mother come to 28 Barker stred ${ }^{2}$ "
"Whois it from, Henty 9 "
A delicato-looking woman, nith soft brown oyos, end a smilo en hor swost, pale faco, camo to her lusubandis side, and lesnod on his brose shonláor, as sho glancod at tho paper ho hold in his hand. So differgat thoy looked as they stood logother, and yet 30 like; oren a caral obsorver raight soe that botwoen thom was an affection which had triamphed
through sorrow, and over whioh timo had no powor. But the amile vanishod as sho read tho contents of that rudoly writton missivo, and, with an almost agonized oxpression on the now sad face, sho gasped oat-
" Oh, God, my ohild!"
"Hush, Mary "" The husband's voice tried to be storn, bat it quiverod a littlo. "Eush! I maisi spoak to this man."

Ho stepped into the hath as he spoko, and confrontod tho priting messenger.
"You will tell the parson from whom you recoived this message, that there is nothing here for suoh as sbe ; that sle is not known hore, not acknowledgedthat sho-" the speaker's brow darkened, and his voice grew hard-" that sbe long ago cast away the love of father, mother, home, and she has no longer any olaim upon thom."
"But-sho js dying, sir."
"Dying!" The voice shook for a moment, bat only for a moment; a moan from the inner room ronsed him, and, walking to the door, which he had left partially open, he drow it sharply to. "Take my message," he said, harshly, to the railing man, " and, mind you, do not lot me over see you here again."
"What is it, Mary?" The voice was tondor onough now, and the manner ancious, as ho bent over his weoping wifo, and took her in his arces. "Hush, hush, my darling !" as sobs shook the slight frame, and slie wept passionately on his breast. "Mary, Mary, what is this? Is your hasband so little to you that you can forget him to mourn for the ingrate who bas broken both our hearts?"
"Oh, husband, hugband! sho is our own child, our little child!" sobbed the stricken woman. "The only one God eant us, the only one we ever had to love."
There was silence in the room for a long time, broken ouly by the half stified sobs of the morning mother as she wopt on her husband's breast. He held hor closely in his arms, with his face pressed to the sunny hair; but his brow was working, and his lips were very pale. So they sat, in the deepening twilight-the bright fire in the grate casting a glow upon them, and upon the lararious appointments of the room, so cosy and oomfortable, and such a contrast to the wild storm without, and to what might bo taking place in that othor home. Tho mother shuddered as sho thought of it; sho calmed herself, and raised her heary, drooping oyes to her husband's face; his were cast down, but he clasped her more closely to him.
"Hasband, darling-" sho put her arms around his neek, and drow his face down to hers-" it was but yesterday we wero spoaking of our wedding day -les us talt of it now. Tronty-throo ycars to-night sinco I left my home for yours-left father, mother," she continued, half masiagly, whilo tender recollectious gatherod around the lips, and filled her oyes with a soft mistiness. "Twenty-three years to-night! Shall I go on, Henry? Shall I spesk of that happy timo? Ah, wo tero happy 1 Poor father and mother, they wore acory at first, but thoy forgare us after. Timo went on, and a little child was born to us; sho grew up to bo our light, our joy" -tho father hid his face-" and then "-tho roico faltersd, and tears fall fastor, "she did what her mother hand done boforo her-she lored another more than father, mother, or homo, and sho laft khem for him. She has livod to ropent it, as "-and the wifo clasped tho hand sho held nith both hers-"her mother has norer dona Hesband, is she more to blamo than I was? No, nol not more to blamemore to be pitied-more to bo loved. Darling, thero are furrows on your brow which time cannot claimthero are fortows in both our hearts-wo can traco them to the samo cause. Lot us forgot tham! Let us only remember tho ono who is suffering for what Wo can givo her-the heart which is broaking, that wo can reliove. Oh, my litlle child-my little child!"
"Mrary"-the falther raisod a pald, sad face"you have conquered, as you always do; act as you wish in this matter-I will not go against sou-I cannot soo ker-no, no ! 'hes his wife raisod a pleading look to his feco. "Thoro are some rounds too deep to bo roopaned, and this is ono of thom. Go to hor, if you wish-say what you will to comfort har-sivo har my love: my forgiveness"-ho paused and passing a trambling hand over his oyos-" my blarsing."
An hour lator, a gracefal, quiet form, clad in deop bleck, passed up the rickets stairs of No. 28 Barker
street, and paused bofore a Lalf-oponod door, and tho visitor entered tho poorly furnished apartment-onterod, and looked upon the soons around. Upon a shabby bed, and covored by a patohed and woll-worn quilt, lay a alooping form-noc oalraly aleaping, with the peaosfulnese of health, but fitfuly, with nervous starta, and low, mosning whispers. The long dark hair lay unbonnd upon tho pillow, and formed a strange contrast to the white, worn face. "Mother l" the sleoping girl whispored, and a faint amile gathored on the faded lips. "Mothor-father!" She was dreaming somothing of her ohildhood's home, and whispered of flowers and birds; and then a spasm of pain contracted the white brow, and she commenced to oough painfully. Her mother's arms held her during the paroxysm, and on her mother's bosom the aching head rested; bat she did not soem to recognize her. She las for a fer moments half sleoping-half-exhausted.
"Lena!" a gentle voico whispered, and a loving kiss was pressed upon the damp brow. "Lena, my ohild!"
"Motherl" It seemod to come to ker suddenly, and the wide-open eyes looked firedly into those from which the tears were falling apon tho uptarned face. "My mother!"

Ay, home once moro-home upon her mother's breast-the tired girl lay all night, and in starts and gasps told her the history of that sad parting-told ber how be had left her, he for whom she had given ap all that woman holds dear. For a little while they were hsppy-a very littlo while-sad then he left her; and for two years she had struggled and suffered alone-alone, excepting for tho baby boy, born one month after his cruel father had gone. For him she had lived-for him she had struggled and suffered-not daring to go to her father's honse when she thought of his proud, starn face, fearing she knew not what, until the hand of death had sent hor a suppliant to her father's door, not for herself, but to plead for her innocent child.
"See, he sleeps."
With a feeblo hand she drew down the coverlid, and revealed the faoe of the sloeping ohild. Calmly, sweatly, without a thought of coming ill, the bog slept on, his long lashes resting on a flushed check, and tho littlo head crumned with light golden curls.
"He shall never want a home whilo I live, darling," whispertd tho weoping mother, " and father will sas the same. He forgives, and loves you still ; and we will give him a place in our home and our hearts."
" Sry place," whispered the dying girl. "Let him have my placo, my room-toll fathor I am 60 sorry-love-forgive-"

It was carly merning when the visitor who had enterod that droary-looking houso on Barker Strect the night previously, and passed up the rickety etains, passed down them again, this time with a sleoping ohild in hor areas. Sho was weeping quiotly, bot her close vail screened her from the feering cariocity of the fow stragglers aromad at that carly hour.

The daughter she had gone to comfoat in her last hours had passed away calmly and happily with her parents' forsiveness in her heart, and a mother's kiss upon the pale weary lips.
"Who is it, 3iary? Whose child have you brought with you ?" And Mr. Liano cast a strango, ancious glance at the bcantiful boy, who clung, half-frightoned, half.millingly, to his grandmother's dress, as sho ontered hor hasbanl's room. "Did you 500 ourLena?"
"I did, husband; sho has gono to that home ribenc wo shall all mect har 50 s000." And tho mother's toars foll fast as sho told tho sed sfory. "Gons and lafl this doar child to bo in iner place, tho comfort of our doclining ycars."
The father took him in his asmes and hid his faco in the bright carls; when ho loated np, thers wero marks of tosre on tho ordinary stolid cheok, bat the liss ho prossod upon the upturnot, wondoring fece of the obild showed how willingly ho socepted the charge.

LIrInr girl: " Please shat your eyes 2 moment, mamma." "Why?" "Because you said you neter wanied to see me take any sugror, and I am going to lake some now. ${ }^{\text {. }}$.

## LILL'S SEARCH.

It was a dull, cloudy day, but Lill put on hor hat.
"Whero are you going?" qsked her mothor.
"I am going to find the silvor lining of the clouds," said she.
"You will havo to travel far, child; you will got wet to tho skin."
But Lill thought she could run between the drops, at a pinch; and avray she went, over hills and through the woods and across little rivulets, without finding it. Once she thought sho saw it gleaming in the distance, but when she reached it, it was nnly a mud-puddle. She asked of every one she met, "Havo you scen the silver lining of tho clouds?" but fow had beou so fortunato; many liad never oven heard of it; somo thought sho ought to borrow Jack's bean-stalk, if sho was going aftor it, and others advised her to inquire of the BIan in the Moon.
"I have scen it ofton," murmured the littlo stream that tumbled over a rocky bed. "In the summertime, after the drought, my waters are often too scant to turn the mill-wheel, and the miller can grind no grain, and the little children go hungry to bed, till a great cloud comes up and shows its silvor lining."
"Wo have scen it, too," whispered the trees together, "when our roots wero thirsty and our leaves withered." And all the grasses sang its praises.
"I will spin you a silken ladder, to go in search of it," offered tho garden-spider.
"If I could find out where the rainbor begins,". said Lill, " that would carry me to cloud-land."
"Can you toll mo whore the rainbor begins?" she asked, knocking ata farm-house door.
"Yes, indeed," said the old farmer, looking over his spectacles; "it begins in noighbour Goodwin's meadow, jonder. I've hunted for it myself, when I was a boy and went bidd-nesting, but I never caught up Fith it. Every year I meant to look it up, but now I'm too lame. But I've seen it, over yonder, these forty years."
Lill pushed on aloag the highway, vithout seaing the rainbow or tho cloud's silver lining. Bat she met a peddler, who said he had them both in his pack, and nould sell them cheap.
"As I mas coming down the valley this morning, singing to myself, some saucy girl began to mock me. Tell me her name, and I'll show you the silvor lining of all the clouds"
"Oh, dear!" cried Lill," but I don't know tho girls about here. Maybe I can find out, though. What clso have you got in your pack, please ?"
"I've a good stock, let me tell you; none of your tinsel gorgams, but a sorriccabla lot nobody can afford to do without. Eere's the seasons, to begin rith. Hero's your rainbows, singlo and doublo, and your showers, your fogs, and your frosta l're a rare invoico of frost-work embroideries, just importad from the North Pole; and here are your northern lights, and your Christmasos, and your Fourth of Julys, and your Thanksgivings, all stowed akay in my pack."
"Aro the yesterdays there, too 1" askod Lill.
"I'vo got all the to-morrors."
"And the silirer lining of tho clouds?"
"Plonty of it ; only find out thonamo of that nicked girl tho darod to mock at old Father Timo, and you shzli s 300 it."

Iill ront on more quickly than before; sho climbed the mountrin and reachod tho ralloy, but ahe met no girls, only an old woman gathering faggots and a rood. chopper felling treos. "Hsllo!" said ho, and somebudy saskcrod, "Hallo!" but it was not Lill, and jot there was nobody elso in sight.
"Have you seen the girl who mocks at pooplo in the ralloy hero?" askod till.
"Hare I scen her 3" repasted tho nood-chopper. "Tho oldost inhabitant has norer soen so much as har shador. Sho's nothing bat a roice."
"What a queer person!" said Eill. "Where doces aho live!"
"In z castle in the air, perhaps."
"It's growing dark; theyll bo looking for mo at homo," said lill. "I camo out to find tho silior lining of tho cloud."
"Yopll bo juat as lizely to find it at homo 33 2nywhere" retarned tho wood-chopper.
And sure anough, whan Lill oposiod har ojes north morning, thare it kas, shining on tho hodges, spart. ling on the moadori, hanging on the boughs of tho plam-treas, in grast Fhito grilends of mor. - Kary plam-treos, in grat Finito griknds

## YOUNG CANADA.

## OUR DARLING.

Bounding liko a foot. Gall, Kicking as tho door, Falling Irom tho table top, Spravling on tho floor: Smashing cups and gáncors, Splitting dolly'r hoad ; Putting littlo pussy cat Into baby's lood.

Bailding shops and housos, Spoiling facther's hat; lididg mothor's precions kojs Uptorneath the mat.
Jumping on the fender,
Poking st the fre,
Dancing on thoso litto logs-
Legs that nover tire;
Making mother's heart loap lifts times a day ;
Aping overything wo do Evarything wo say.

Shouting, laughing, tumbling, Roaring with a will; Anjwhere and everymhere, Nerer, norer still.
Present-bringing sanshine; Absant-learing night
That's our precious darlifg, That's oar heart's dgight.

## ANECDOTE OF WEBSTER

When Daniel Webster's father found that his son was not robust enough to make a successful farmer, he sent him to Exeter to prepare for coflege, and found a home for him, among a number of other students, in the family of "old 'fquire Clifford," as we of a younger generation have always heard him called.

Daniel had; up to this sime led only the segular life of a country farner's boy, and though the New Hampshire farmers have sent out many lieroes, as firm and as true as the granite rocks in the pasture, there cannot be among the hard and homely work which such a life implies, the little firenesses of manner which!'good society demands.

Daniel was one of these diamonds of the first water, but was still in the rough, and needed some cutting and polishing to fit him to shine in the great world in which he was to figute so conspicuously.

None saiv this more clearly than the sensible old 'Sduire. The boy had one habit at the table of which the 'Squire saw it would be a kindness to cure him. ${ }^{\prime \prime}$

When not using his knife and fork, he was accustomed to hold them upright in his fists, on either side of his plate.

Daniel was a bashfít boy, of very delicate feelings, and the 'Squire feared to wound him by speaking to him directly on the subject; so he called saide one of the other students with whom he had long beet? acquainted, and told him his dilemma.
"Now," said he, "I want you this noon, at the table, to hold up your knifg and fork as Daniel does. I will speak to gdy about it, and we will seo if the boy does Apt take a hint for himself."

The young man consented to be the scapegoat for his fellow-student, and squeral times during the meal planted hisfists on the table, with his bnife-and fork as. 'flrajpht as if he had pesersed orders to present arms,

The 'Squire drow his attention to his position, courtcously begged his pardon for speaking about tho matter, and added a fow kind words on the importance of young men correcting such littlo habits before going out into the world.

Tho student thanked him for his interest and advice, and promised reform, and Daniel's knife and fork were never from that day seen elevated at the table.

When, after a vacation, Daniel's father brought the lad for a second term to Exetor, he put in his saddle-bags a good fat turkey from the Franklin farm, which he gave to the 'Squire as an expression of his gratitude for Daniel's improved manners.

## HELPING NFAMMA.

"I'm going to holp you, mamma," Said doar littlo alay;
I mean to holp you All I can to-day."

Then running softly
Sho picked up the broom,
And swept and dasted, And tidied the room,

Her dusting finished, : She took a seat, And hemmod a torelf So amooth and neat.
Her work all done,
Sbo went out to play ;
Oh may you be happy. Little, swegt, helpful May.

## GOOD WORK OR NONE.

It is a rule that a workman must follow his employer's orders, but no one has a right to make him dy work discreditable to himself. Judge $M-$, a well-known jurist, living near Cincinatti, loved to tell this anecdote of a young man who understood the risk of doing a shabby job even when directed to. He had once ${ }^{f}$ occasion to send to the village after a cappenter, and a sturdy young fellow appeared with his tools.
"I want this fence mended to keep out the cattle. There are some unplaned boardsuse thom. It is out of sight from the house, so you need not take time to make it a neat job. I will only pay you a dollar and a half."

The judge then went to dinner, and coming out found the man planing each board. Supposing that ho was trying to make a costly job of it, he ordered him to nail them on at once just as they were, and continued his walk. When he returned the boards were all planed and numbered, ready for nailing.
"I told you this ? ence was to be covered with vines," he said angrily. "I do not care how it looks."
"I do," said the carpenter, gruftly, earefully measuring his work. When it was finished, there was no part of the feuce as thorough in finish.
"How much do you charge?" asked the judge.
"A dollar and a half," said the man, shouldering his tools.
The judge started. "Why do you spend all that labour on the job, if not for money ? "
"For the job, sir."
"Nobody would have seen the poor work on it."
"But I should have known it was there. No; I'll tako only a dollar and a half." And ho took it and went away.

Ten years afterward the judge had the contract to give for the building of soveral magnificent public buildings. There wero many applicants among master builders, but the face of one caught his eyc. "It was my man of the fence," he said. "I knew we should have only good, genuine work from him. I gave him the contract, and it mado a rich man of him."

It is a pity that boys were not taught in their earliest years that the highest success belongs only to the man, be he a carpenter, farmer, author or artist, whose work is most carefully and thoroughly done.

## A BOY-TRAP.

A boy-trnp? what is that? We have read of man-traps; but whet is a boy-trap? Read the following narrative and see:

A few jears since $I$ was remonstrating with a confirmed inebriate-one whom I had known from boyhood-and I said to him: "Wellington, how is it that a boy brought up as you were by pious parents, and in the midst of churches and Sabbath-schools, learned to drink?" He replied, "Mr. ——, now I will tell you just how I learned to drink. Do you remember Smith, that used to keep the big white tavern on the corner in the village some twenty years ago? When $I$ was about twelve or fourieen years old, I with other neighbour boys would come down to the village of an evening, and we soon found our way into Smith's bar-room. It was not long, however, till Smith began to invite us into a back sitting-room, where he first brought on cards and dominoes and taught us to play; and then brought wine and beer and treated us till wo liked it and wanted something stronger ; there is how I learned to drink."
"But," said I, "can you not reform yet? can't you give it up?" He replied, "No, it's too late; I'm a goner!"

And this is what hundreds-yes, thousands -of our licensed taverns are doing to-day! The traps are set-whose boy will be caught?

## A BOY'S COMPOSITION ON HENS.

Hens is curious animals. They don't havo no nose, no teeth, nor no ears. They swallow their vittles whole, and cher it $u_{p}$ in their crops inside of 'em. The outside of hens is gencrally put inter pillers and into feather dusters. The inside of a hen is generally filled up with marbles and sliirt buttons and such. A hen is very much smaller than a good many other animals, but they will dig up more tomato plants than anything that ain't a hen. Hens is very useful to lay eggs for plum pudding. Skinny Bates cat so much plum pudding once that it set him into the collery. Hens have got wings, and can fly when they aro scart. I cut my Unclo William's hen's neck off with a hatchet, and it scart her to death. Hens sometimes makes very fine spring chickens.

Sorpow is only ane of tho lower notes in in the oratorio of our blessedness.

## 

To Restore Crarg.-Skim-mill and water, with a blt of glue in it made scalding hot, will restore old rusty black crape. If clapped and pressed dry,
will look as good as new.

Coconnut Cake.-One and a half cups of sugar, half a cup each of butter and milk, one cup of cocoanut grated fine, two cups of flour, three teaspoonfuls of baking powder. Bake in pans, with dry cocoanut spriakled
over the top. over the top.
Scalloped Potators, Scalloped potatoes make a nice dish for tea. Prepare in this proportion: Two cups of mashed potatoes, two tablespoonfuls of cream or milk, and one of melted butter ; salt and pepper to taste. Stir the potatoes, butter, and cream logether, adding one raw egg. If the potatoes seem too moist, beat in a few fine bread crumbs. Bake in a hot oven for ten minutes, taking care to have the top a rich brown.
Stewed Tongue.-Cut up a slice of bacon as for larding ij sprinkle the pieces with salt, pepper, chopped parsley and a little all-
spice. spice. Lard an pox-tongue with these, and bacon, four small bunches of parsley bacon, four small buaches of parsiey, two pieces two sny 11 onions on cut into smal! pieces, two spall onioas, 2 few cloves, sall and pepper. Cover with stock to which uas been zddedz glass of sherry. Simmer five while serpang Strain the sauce orer the tongue.
Soft Soap. - To one pound of polash add three gallons of water. Boil the potash unil it is ${ }^{\text {alll dissolved, then add three pounds }}$ of anykind of soap-grease-the cleaner the better-to the lye, and set it to boiling ; it usually becomes somp after boiling from one of five hours. Let it boil slowly, so that it will not boil over. If it boils down before it becomes soap, add sufficient water to keep the same quantity in the kettle until it is foap, then add nine gallons of water, and ftir well together. When cool, this will be beautiful white soap if the grease was clean.

Cheese Fritters.-Put 2 pint of water into 2 saccepan with a piece of butter the size of 2 ag eg , the least bit of cayenne and plenty of black pepper. When the water boils, throw gradually into it sufficient flour to form a thick paste; then take it off the fire and work into it about a quatter pound of ground Parmesan cheese, and then the rolks of three or four eggs and the whites of two beaten up to a froth. Let the paste rest for a corple of hours, aud proceed to fiy by dropping pieces of it the size of a walnut into elenty of hot lard. Serve spriakled with very fine salt.
Brzad Plua PuddiKg.-One pound of bread crumbs, one pgend of raisins, one pound of curreats, onf piat of milk, six eggs, our oances the biling milk on the bread agar. Pour the boing for an hour. the add the butter curants for an hour, rix all well facther addiog candied finit mix an well a live hration boil four hours an a ther as win If it be tequisite to add a little four toil ao It befequisite to add a litle tour, boil ato hoar lohger
Beack bean: Soup.-Black bean soup is made of one quart of black heans and three gratts of water. Wash the beans, thes boil hein untal they are teader; take from the tove, turn off the water, and throw it 2 way mb the beanf through 2 colander, pat them back in the soup liettle, add one guart of freah water and some slock made the day before; add pepper and salt, and anyherbs ond choose for searoniog- Put the perbs in 2 litlic clean cloth bag. Hard-bojfed eggs cat in thick slices, and dropped iti the soup just before serving, are thought yo be a wel. come addition; Intile balls of chopped beef, put logetber with flour, and fried brown in batter, ean be dropped in, in place of the cags.
Mution Cuthets, Stewad.-Cut a quantity of carrots, targips, and poialoes, all to the sise of olires. Trim samecritets, and oss them io butter, with a sprinkling of pepper 20 d salt till they berin to colcar: pul them is a stcFpan frith the corrots phont a pint of sticiz (free from fat), 2 spoonfal of French tomato sance, and a facrot of sweet herby and let then stew enenty for fifieen minates, then add the potatoes, and lantly the tumips ; let the whole stew pently till the meat and regetables ste quite cove: add a piece of butter solled in flour, o small piece of glaze, and more pepper and sall. picco gitase, and more pepper and swet herbs, and serve the cutiets roand the regetables, with as mach of the gravy as is required.


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TOKONTO WHOLESALE AFANKETS
Oymoz Rural Caradun．
Toronto，June 28th， 1882.
Carrle－During the last two weeks the supply has been steadily increasitig，and is now about equal to the demand．Prices
have consequently fallen slightly．To－day＇s
 per lb．Myuttom，$\$ 10.50$ to $\$ 12$ per 100 lus． Lamb，$\$ 13$ to $\$ 14$ ．Vial，$\$ 8.50$ to $\$ 10$ ． Hogs，\＄9．50 to \＄10．
Flour．－Flour continues dull，and prices purely nominal in absence of demand．
Graln．－During the past week there has been considerable activity in options at the increased．Prices have been somewhat irregular，but the genera！tone has been strong，and at the close quotations are higher．A car of No． 1 spring sold on track at $\$ 1.32$ ，and No． 2 sold al about the same price yesterday．－No． 2 fall is nominal at \＄1．27．Barly dull，with none offering and prices nominal．Oats are in fais demand and firm，with car lots worth 49c．on track Pras quiet and steady；No． 2 are wrorth about 82 c ．The following are the latest quotations from the street tnarket ：Fall Wheat，$\$ 1.21$ to $\$ \mathrm{t} .23$ ．String Wheat， $\$ 1.30$ to $\$ \mathrm{I} .33$ ．Barley， 62 c ．to 65 c ．Oafs， 48 c ．to 49 c ．Peas，8oc．to 85 c ．Rye， 70 c ． $1075 c$.
Provisions．－Butter and eggs are i： large demand，and the supply，especialiy of the latter，falls shot．Hams are getting high．Choice lots of butter bring 17 c ．to 18．per lb．and ordinary qualities 15 c ，to 16c．The price of roll butter is 19 c ．to 22 c ． per lth Eges go off easy at 16 c ．per doz．in case lots，and 17 c ．to 18 c ．in small lots．
Wool－Wool is easy at 18 c ．to 20 c ．per b．The Boston wool market shows a very 7 IO 520 lbs ．the previons week，the decruase being pattly due to the holiday．The largest sales have been of Texas and spring Califor－ nis．New Kanses wool has been arriving reely and is in good demand．The tone is geod，and conservalive dealers prefer the market at this time in its present condition han to have any excitement．New clips Ohio are conflicting，both as to qualite and price．The Michigan clip is not fairly price．The Michigan clip is not fairly the clip，but the quality is not surely any better than a sear ago．In California prices are weaker，also in Texas；bat such weak aess in the latter is denied in some quarters． The improred tone in woollens continues． The receipts of wool continue large，and fool up uibce Jancary $337,93^{\circ}$ baies domestic， apainst 120,252 bales a year ago，and 25 ， 599 bales foreign，against $: 2,044$ bales a year go．The increase has been 17,678 bales of domestic，and 13,555 bales foreign．The sales since January continue more than for the same time last year，but the excess is be－ ing gradually redeced，and，bithout the mar－ ket becomes more active，last year will soon eatch up with this．They now foot up 49， 871,466 lbs．this year，against $48,227,171$ lbs．last，or an increase this jear of $1,644,305$ bos．A week ago the increase for this year amounted to over $6,000,000 \mathrm{lbs}$ ．

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