CRE

BIRT

How to Gather and Keep Winter Apples.

Useful Hints in Road-Making.

The Alabama Agricultural Experiment Station at Auburn has issued an interesting bulletin on this subject, from which the following extracts are taken: As an unnecessarily long road would increase the cost of construction, the cost of repairs and the cost of time and labor in traveling over it, it should, other things being equal, be perfectly straight, but straightness should always be sacrificed to obtain a level or make the road less steep. This is one of the most important principles to be observed, and yet is most often violated. Roads should be made to curve sometimes for economy in construction, such as to avoid swampy or bad ground, or to avoid large excavations, or to reach points or streams better stuted for the approach of bridges. Besides its substantial advantages, the gently curving road is much more pleasing to the traveler, for he is not fatigued by the tedious prospect of a long straight stretch to be traversed, but is met at each curve by a constantly varied view. The Useful Hints in Road-Making. bridges. Besides its substantial advantages, the gently curving road is much more pleasing to the traveler, for he is not fatigued by the tedious prospect of a long straight stretch to be traversed, but is met at each curve by a constantly varied view. The proper width for a road depends, of course, upon its importance and the amount of travel upon it. The least width to enable vehicles to pass is assumed at 16½ feet. In England the width of turnpikes approaching large towns is 60 feet. Ordinary turnpikes are 35 feet wide, and ordinary carriage roads across the country are given a width of 25 feet. In France the roads vary in width from 66 feet to 26 feet and all have the middle portion ballasted with stone. In New York all public roads are laif out by the commissioners of highways, and are not less than three rods wide between fences, and no more of them need be worked or formed into a surface for traveling than is deemed necessary. The drainage of a road by suitable ditches is one of the most important elements. All attempts at improvement them need be worked or formed into a surface for traveling than is deemed necessary. The drainage of a road by suitable ditches is one of the most important telements. All attempts at improvement are useless till the water is thoroughly gotten rid of. These ditches are eank to a depth of three feet below the roadway, so as to thoroughly drain off the water which as to thoroughly drain off the water which as to thoroughly drain off the water which of the two was most thank pass through the surface of the roadway. In repairing roads the earth used should be as gravelly as possible and free from vegetable earth. Sod or turf, though at first tough, soon decays, and forms the affest mud in wet weather. Stones of considerable size should not be used, as they will be seen and wheat bran, as is pretty generally known, are valuable foods, and from the analyses also it would be ranky seals in two the analyses also it would be rather difficult, without careful trial, to datermine which of the two was most determine which of the two was most determine which of the two was most determine which of the two was most would be disposed to agree with the above statement credited to ex-Governor Hoard.

Cows that are large milkers and fresh in milk when turned to pasture should be milked three times a day instead of twice.

They are hearty feeders and have plenty of paunch room, and having been bred and the National Alliance. He said that the National Alliance has over 3,000,000 members and is growing rapidly. It is strongest in the Southern and Northwestern States, and is previty generally known, are valuable foods, are had both pea meal and wheat bran, as is pretty generally known, are valuable foods, and wheat bran, as is pretty generally known, are valuable foods, and wheat bran, as is pretty generally known, are valuable foods, and wheat bran, as is pretty generally known, are valuable foods, are with the both pea meal and wheat bran, as is pretty generally known, are valuable foods, are with the two was anothed.

Fals. .....

way, In repairing roads the earth used should be as gravely as possible and free from the stream expended to ex-Governor Hoard.

Whiling Three Times Dally Compared to the company of the property of the prop

3. Always use a thermometer.
4. Churn the cream at a temperature of 58 to 60 degrees in summer and 60 to 62

5. Give the churn good ventilation, and churn at 40 to 45 revolutions to the minute.
6. Stop churning when the butter has formed in peliets the size of small shot.
7 Draw off the buttermilk, and pour pure

water into churn until it runs off pure and

8. Make a strong brine and pour into the

S. Make a strong brine and pour ante the churn through a fine seive.

9. Remove the butter and work it with the ladle or upon the butter worker, Never use the hands. To these may be added the precaution to allow the butter to stand precation to allow the butter to stand eight or ten hours, then worked carefully to expel the excess of water, and insure so-lidity, when it is ready for printing or the tub. If these directions are followed streaks in the butter will never appear. Under certain conditions Canadian butter-

makers find it necessary to churn at a higher temperature than 62 in cold winter weather. We also think that the second working of butter is quite unnecessary; in fact it may prove a decided injury to the texture of the butter.

Alfalfa in Dry Weather.

Alfalfa in Dry Weather.

An Illinois correspondent of the Country Gentleman writes: "Through inadvertence I have neglected to report the progress and condition of my experimental patch of alfalfa during this exceptionally dry summer. The first crop, as before reported, was taken of the ground May 27, and was estimated to yield two to two and a half tons to the acre of dry hay. In consequence of my absence, the second crop was not harvested till July 27, two weeks later than it should have been, and was considerably less than The July 27, two weeks later than it should neve been, and was considerably less than the first in bulk, the weight of dry forage not exceeding one and a half tons to the nere. The third crop is now fully six inches grown, and appears as indifferent to the drought as the two previous crops have been, yt would evidently be benefited by warmer in ghus and higher day temperatures.

Remark now—comp.

cu a like soil and under almost the same conditions, has made no second growth, nor is it likely to amount to much, however copious the rainfall may be; as to blue gas and timathy meadows, whether the herbage has been taken off or left standing, the whole is as dry and parched as they would be in a desert. That I shall be able to hervest a third crop of alfalfa this month, or early in September, I have little doubt, but I do not think a fourth one, as in 1890 and 1889, will amount to much. Need more be said in favor of alfalfa for the

black soil of Illinois, and especially if more or less severe summer drought is to rule if not ruin the hereafter of our agricultural prosperity?"

Apiculture in Ontario.

Apiculture in Ontario.

From the annual report for 1890 the following data is gleaned: The Ontario Bee-keepers' Association reports an increase of nearly 100 per cent, in its membership, which last year numbered 353. Its policy is to encourage the formation of local societies, and last year there were eleven of these affiliated with the parent body. They are the Middlesex, Norfolk, Brant, Bruce, Oxford, Perth, Haldimand, Lambton, Kent, Western Ontario and Listowel Bee-keepers' Associations. It is remarkable that the organizations are all in the western portion of the Province. This is not because the eastern part of Ontario is unfavorable for honey production or destitute of bee-keep-

Such things don't "just happen."

Pea Meal Versus Bran.

Peter Collins, director of the New York
Experimental Station at Geneva, writes the
Country Gentleman as follows: In your
issue of July 23, in reply to the question,
"Shall we grow peas for forage?" exCovernor Hoard is quoted as asying, "By
all means; peas are one of the finest butter
feeds in the world. One pound of pea meal
is equal in feeding value to six pounds of all means; peas are one of the finest butter feeds in the world. One pound of pea meal is equal in feeding value to six pounds of wheat bran." I give below the analyses of pea meal and wheat bran according to German and American authorities:

—Pea Meal.— Whet Branger and American authorities:

Albuminelds.— 22 5 1.63 3.8 5.68

From the fact that out of the was chosen president. He now makes his headquarters at Washington, D. C., and hort time is immense.

Col. Polk believes that the Farmers' Alliance headquarters at Washington, D. C., and hort time is immense.

From the fact that out of the was chosen president. He now makes his headquarters at Washington, D. C., and hort time is immense.

Col. Polk believes that the Farmer's Alliance headquarters at Washington, D. C., and hort time is immense.

From the fact that out of the was chosen pr

may have canceled a better policy.

Keeping Winter Apples.

The following rules are recommended for gathering and keeping winter apples: 1. Gather rather early or before too ripe. 2. Handle carefully, like eggs, and place in a cool, shaded spartment, opening to the north, until freezing weather is about to set in. 3. Assort carefully, removing all specimens which are decaying or about to decay, and store in a room where the selected fruit may be kept within a few degrees of freezing, without much change in temperature.

4. In a damp fruit room place on airy shelves, in a very dry room pack in boxes or tight barrels.

Ontario Lambs in England

Ontario Lambs in England.

A shipment of 100 lambs of 1890, mostly grade Downs, fed at the Agricultural College, Guelph, arrived at Liverpool, England, by steamer Lake Superior. They were sold at £2 Ss. 6d. per head. When slaughtered they averaged 68½ pounds dressed weight per careass, and brought at wholesale by the careass to butchers 17 cents per pound; the skins and offal being the profit to the middleman, and sold separately. the profit separately.

Give Holloway's Corn Cure a trial. It removed ten corns from one pair of feet with-out any pain. What it has done once it will do again.

do again.

Mrs McCanty—"An' ye've raised quite a big family. Mrs. Murphy (with pride)—
"Sivin polacemin, Mrs. McCanty."

\*\*Eothers\*\*

Castoria is recommended by physicians for children teething. It is a purely vegtable preparation; its ingredients are published around each bottle. It is pleasant to the taste and absolutely harmless. It relieves constipation, regulates the bowels, quiets pain, cures diarrhe a and wind colic, allays feverishness, destroys worms and prevents convulsions, soothes the child and gives it refreshing and natural sleep. Castoria is the children'spanacea—the mother's friend. 25 doses, 25 cents.

No man is independent so long as a little

No man is independent so long as a little flattery will make him frisk about like a spaniel.

paniel.

Worms cause feverishness, moaning and restlessness during sleep. Mother Graves
Worm Exterminator is pleasant, sure and
effectual. If your druggist has none in
stock, get him to procure it for you.

Saddle Korses.

Mr. Fulcher is now at his London riding school, with a stable full of trained horses to let. Now is the time to learn to ride before he leaves for the eastern fairs.

PATRONS OF INDUSTRY.



Col. L. L. Polk, the president of the Farmers' Alliance in the States, is a Southerner. He is the cwner and editor of the Progressive Farmer, of Raleigh, N.C., which place is also supposed to be his home. His duties, however, do not give him much opportunity to write for it, so constant and pressing are the demands upon his time. Col. Polk was born 36 years ago, and since early manhood has been aggressive and progressive. How popular be is in his order may be seen from the fact that out of the vast numbers of the members of the Farmers' Alliance he

Col. Polk believes that the Farmers' Alliance movement will become an organized political party. His latest utterances on the subject were in Richmond, Va., where he was attending the meeting of the State Alliance. He said that the National Alliance has over 3,000,000 members and is received.

I had the muscles of my hand so con-tracted that I could not use it for two years. MINARD'S LINIMENT cured me, as ever.

Calhousie. Mrs. RACHEL SAUNIAGE.

C. C. RICHARDS & Co.:

I had a valuable coit so bad with mange that I feared I would lose him. MIN-ARD'S LINIMENT enred him like magic. Dalhousie. CRRESOPHER SAUNDERS.

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Wholesale and Retail Lumber Merchant Has removed his office and yard to York street, west of Tecumsch House.

Largest Stock of Maple. Basswood, Elm Cherry, Walnut, Sycamore, Chestnut, Ash, Oak, etc., in Western Ontario.

Inspection solicited, Prices on application "August

with stomach trouble, and was for all that time under treatment by a physician. He finally, after trying everything, said stomach was about worn out, and that I would have to cease eating solid food for a time at least. I was so weak that I could not work. Finally on the recom-mendation of a friend who had used your preparations

A worn-out with beneficial results, I procured a bottle of August

Flower, and menced using it. It seemed to do me good at once. I gained in strength and flesh rapidly; my ap-petite became good, and I suffered no bad effects from what I ate. I feel now like a new man, and consider that August Flower has entirely cured me of Dyspepsia in its worst form. JAMES E. DEDERICK, Saugerties, New York.

W. B. Utsey, St. George's, S. C. writes: I have used your August Flower for Dyspepsia and find it an excellent remedy.

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380 Richmond Street.

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Hardly a person you meet on the street who is not affected (more or less) with

this dreadful scourge. Hundreds of preparations are advertised cure. But not one with the exception

of Brunton's Curative Fluid, internally, effected a perfect cure. They may relieve for the time being, but they do not remove the cause. Curative Fluid and Curative Absorbent purify the blood and absorb the poison out of the system. In consumption scrofulous humors, running sores, eczema rheumatism, and syphilitic affections these preparations act like a charm, by removing the cause that produces the disease.

Curative Fluid and Curative Absorben sold by all druggists, 50c and \$1. Prepared

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A New Aristocracy, by Birch Arnold. 50c Mine Own People, by Kipling. 50c American Notes, by Kipling. 25c American Notes, by Kipling. 25c American Notes, by Kipling. 25c The Maid of Honor, by Wingfield 50c The Maid of Honor, by Wingfield 50c Prince Fortunatus, by William Black 50c Prince Fortunatus, by William Black 50c April Hopes, by W. D. Howells. 75c Canadian Sportsman's Annual, 1891. 25c Canadian Sportsman's Annual, 1891. 25c

BIRD CAGES. We are clearing out at great reductions.

Canopy Hammocks. A few left. Will clear cut at cost.

HOSE. HOSE. The wire-bound is the best. it will not kink; it will not cut; it will not burst.

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ences; against by electrons, the array we would call special attention to the trout fishing in the St. Mary's Rapids, which are only a quarter of a mile from the hotel.

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J. W. MARTIN, Proprietor yet

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ywt

This hotel has recently been thoroughtted throughout. Bus calls at all tro

DALY HOUSE W. McINTOSH, Proprietor. INGERSOLL, ONT.
Rates \$150 per Day.

RAILWAY TIME TABLES

CORRECTED TO JAN. 1, 1891, MICHIGAN CENTRAL RAILWAY.

LONDON TIME. Canada Southern Division—Going East, Leave Leave St. North Shore Limited (daily)

N. Y. Express (daily).

8:30 p.m.

3:30 p.m.

3:30 p.m.

3:30 a.m.

3:30 p.m.

3:30 a.m.

3:30 p.m.

3: Canada Southern Division—Going West North Shore Limited (daily) 8:30 p.m. 7:28 a.m Chicago Express (daily). 8:30 p.m. 6:05 a.m Chicago Express (daily). 8:30 p.m. 6:05 a.m American Express (except Mondays). 9:500 a.m. 10:55 a.m Mail (except Sundays). 9:25 p.m. 6:19 p.m Accomd in (except Sundays). 8:20 p.m. 7:40 a.m Accomd in (except Sunday). 8:30 p.m. 7:40 a.m

Trains arrive in London at 8:25 a.m., 12 n and 6:40 p.m., | Norg. No trains to or from London on Sundays.] JOHN PAUL, City Ticket and Passenger Agent, 395 Richmond street.

GRAND TRUNK-Southern Division CORRECTED MAY 11, 1891.

MAIN LINE-Going East | ARIVE | DEPART |
| ARIVE | DEPART |
| Imited Express (a) | 3:35 a.m. | 3:55 a.m. |
| Maille | Express (a) | 12:05 p.m. | 12:01 p.m. |
| Day Express | (a) | 12:05 p.m. | 12:00 p.m. |
| Day Express | (a) | 4:20 p.m. | 12:00 p.m. |
| Mixed = 16. PS | Freight (c) | 4:45 p.m. | 6:50 p.m. |
| Prie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. | 11:40 p.m. |
| Trie Limited | 11:20 p.m. |
| Trie Limited | MAIN LINE-Going West. Chicago Express (A)...
West End Mixed...
Erie Lin ited.
St. Louis Express (A).
Accommodation...
Pacific Express (A)...
Mall... 5:10 a.m. 5:30 a.m. 6:45 a.m.

Sarnia Branch. 3:50 a.m. 11:45 a.m. 5:15 p.m. 8:45 p.m. 11:35 p.m.

LARRIVE | DEPART, | 5:20 a.m | 7:35 a.m | 11:65 a.m | 2:30 p.m | 7:00 p.m Erie Limited (B). Accommodation.... Pacific Express (n).

ARRIVE. | DEPART London and Port Stanley. ARRIVE. | DEPART. 6:40 a.m 7:20 a.m. 2:10 p.m. 6:35 p.m. 6:50 p.m. 11:15 p.m.

-Mixed.....

Toronto Branch. Hamilton—Depart— a.m. | a.m. | a.m. | p.m. | p.m. | p.m. | p.m. | p.m. | 7:00 | 9:15 | 10:50 | 12:25 | 4:10 | 6:40 | 8\*7:00 | 9:25 Hamilton—Arrive—
a.m. | a.m. | a.m. | p.m. |

.. 10:55 a.m. 7:36 a.m. 5:40 p.m. 2:15 p.m. 9:30 p.m. 6:00 p.m

\* These trains for Montreal,

† These trains from Montreal,

† These trains from Montreal,

All Runs daily, Sundays included,

Bl Runs daily, Sundays included,

Bl Runs daily, Sundays included, but makes

no intermediate stops on Sundays.

(c) No. 38 carries passengers between Londo
and Paris.

(d) This train connects at Toronto for all

points in Manttoba, the Northwest and British

Columbia via North Bay and Winnipeg. E. DE LA HOCKE, City Passenger and Ticke gent, No. 3 Masonic Temple.

CANADIAN PACIFIC RAT Going East.

 
 Woodstock
 1146 a.m
 850 a.m
 6:33 p.m

 Galt
 5:0 a.m
 9:30 a.m
 7:30 p.m

 Grelph
 9:20 a.m
 11:05 a.m
 8:40 p.m

 Joronto
 8:15 a.m
 12:00 n.m
 8:40 p.m

 Peterboro
 11:45 a.m
 9:40 p.m
 9:40 p.m

 Outawa
 6:45 p.m
 8:15 a.m
 6:00 a.m

 Montreal
 7:45 p.m
 8:15 a.m
 8:35 p.m

 Portland
 8:30 a.m
 8:35 p.m
 8:35 p.m

 Boston
 8:36 p.m
 8:35 p.m
 8:35 p.m

 Halifax
 N. S
 11:10 p.m
 8:70 p.m
 8:70 p.m
 Trains arrive from the east at 1:25 a.m., 7:00 m., 10:00 p.m.

Going West. DEPART-. 7:00 a.m. 11:35 a.m. 7:05 p.m ARRIVE 10:00 a.m. 1:05 p.m. 8:62 p.m Chatham 2:45 p.m. 10:40 p.m Trains arrive from the west at 3:55 a.m., 12:15

E. M. PEEL, City Ticket and Passenger Agent, No. 1 Masonic Temple. ERIE & HURON RAILWAY.

Frains South. Sarnia (C. T. R.) A.M. P.M. A.M. P.M. Courtright 5.0 (200 Courtrig Trains North.

M. C. R. Junction ..... 

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Sound Tu yesterday number of great as e In the 3

In the l followed l In the l Los Angel At Mor San Juan At Hay At Glot BASEBA

Nationa York 1; nati 10, delphia 1. America waukee 2; Eastern a game of lown the

Phil Po baseball n sonburg to town, and Tilsonburg

pitching Neighorn the heavy LACROS SEAFOR Junior Beavers of Clinton. Foason, an strong tes AQUATIO Fifteen

from Mas

the river C. A. Bo tween 30

pectations had the

and the addoned. A Beltz and Harry Sp former pr however, many accably the ably the in the ratook the Canon Dasa distin right an capital lu practical addresses present ar pyrotechn home in assembled Till the C tion of d number of colored lig to play ar splendor.

Chathar 188 to 97.
Toronto
Rosedale. inning Torquarters of gave up the Detroit at Amhers first and s home tear and had to better ga-adding 10: ing 31 for which the Minard's

HAI Corne

trouserings old stock, what the p take advar prices. Mi lishment, a friends.