

Hood's Sarsaparilla

Will purify your blood, clear your complexion, restore your appetite, relieve your tired feeling, build you up. It leads all other medicines in merit.

Get it today in small liquid form or chocolate tablets called Sarsatabbs.

Pettit's Eye Salve

RELIEVES SORE EYES

CASH FOR PROPERTY, and "KID" ADVERTISEMENTS, in all newspapers, and in all cities, towns and villages.

1100 W. N. U. DETROIT, No. 41-1911.

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THEN HE GOT WORSE.



The Adery Man—I see the second in your face. The Calm Man—That's a personal reflection.

Circumstantial Evidence.

A Scotchman and his wife were visiting in a wild, beautiful part of the country. While driving one day with their host, the two men sitting together in the front seat while the lady sat behind, they crossed a high bridge which spanned a roaring torrent. An unusually loud splash caught the gentlemen's attention for a moment, but nothing was said. After several miles the gentleman turned to address a remark to his wife, but her seat was empty.

"Aye," he remarked to his host, "that will be your splash we heard." Housekeeper.

An Exacting Situation.

"Doctor," said the nervous man, "is there any way of teaching a person to talk in his sleep?"

"I never heard of any," replied the physician. "How could such an accomplishment be of benefit?"

"It's either that or insomnia for me. My wife is one of the best snugglers and snugglers before the public. She always rehearses her orations at home, and I've got to say 'heart! heart!' or 'that's the stuff!' at least once every ten minutes."—Washington Star.

He Balked at That.

"I positively and absolutely refuse!" cried the candidate with great emphasis.

"Refuse what?" asked the campaign manager.

"I've kissed all the babies in my district," he replied, "but I'll be punished if I kiss Mrs. Abbott's poodle, even if it costs the whole stirrington!"

A Perilous Duty.

"My position," remarked the eminent physician, "is one requiring the greatest tact and diplomacy."

"What is the trouble?"

"I feel conscientiously obliged to influential patients that they overeat," tell several of my most wealthy and

If the average man has occasion to generate a good, hearty laugh once a month, he is playing in great luck.

Saves Worry Time and Trouble Post Toasties

Can be served instantly with cream or milk.

It makes a breakfast or lunch so superior to the ordinary, that it has become a welcome pantry necessity in thousands of homes, and adds to the comfort and pleasure of life.

"The Memory Lingers"

Sold by Grocers

Postum Cereal Co., Ltd., Battle Creek, Mich.

THE ICE HOUSE

By H. H. MUSELMAN, Instructor in Farm Mechanics, Michigan Agricultural College.

Perhaps during some of the hotter days of summer not a few have resorted to the method of the butter, the scouring of the milk and the spilling of the roast by means of some method of cooling. The present is not a bad time to think about carrying these reasons into order.

One method where good ice may be obtained at a reasonable distance from a lake or stream is to provide an ice house and ice box or refrigerator. Ice making, though somewhat disagreeable, may be done at the time of the year when other work is slack, and if it is done in the right way is no worse than much other work which must be done. With a plentiful supply of ice, and a refrigerator of sufficient capacity, cold storage may be provided for food and dairy products. It is recommended that a refrigerator of not less than 100 pounds capacity of ice be used for average conditions, and one of from 150 pounds to 200 pounds capacity will be found to advantage in some cases.

The ice box or refrigerator should be easily accessible to the kitchen and dining room, and for filling. It placed so that it may be filled without entering the house a great deal of dirt may be avoided. This is sometimes accomplished by placing the refrigerator on the back porch or in a permanent location where it may be filled from an outside window.

With regard to ice storage, an expensive or specially constructed building is not essential. Any room of proper dimensions where good under drainage may be provided, the walls fairly airtight and so arranged that the ice may be stored without great loss from melting. A building designed for this purpose will have several points of advantage, however.

The first thing to be considered. Solid ice weighs about 55 pounds per cubic foot, and stored ice, allowing for voids between cakes and layers, averages about 35 pounds per cubic foot. On this basis a cube of stored ice 10x10x10 feet would weigh 20 tons. Assuming a consumption of 500 pounds per week, a weight of one ton would last for four weeks, or six months would be six tons. Considerable allowance must be made for melting, however, so that it is safe to say that space for not less than ten or twenty tons should be provided.

In cutting ice the size of cakes should be such as will be best suited to loading, storing and the size of the ice box or refrigerator. A cake of ice 3 inches thick, 15 inches wide and 18 inches long weighs 140 pounds, so that some care should be taken not to get the cakes too large for handling, especially where lifting must be done.

The keeping property of ice depends almost altogether on how well it is insulated from the heat. Air, mineral wool, asbestos, sawdust, shavings and chaff are good non-conductors. Air is one of the best, provided it is confined to small porous spaces, as in the voids in sawdust, shavings, etc. Dry materials are also more effective than wet ones. Non-conductors of heat as a rule tend to wet. Let us note how these principles may be applied in ice storage.

We have mentioned good drainage beneath the ice. In any case there will be considerable melting and the water thus formed should be drained away to prevent wetting of the non-conducting material and thereby rendering it less effective.

The ordinary drain hole should be laid under the center or along each side below the ice and covered with six inches of gravel. This, then, should be spread with from four to six inches of chaff, if obtainable, which is a better non-conductor than gravel. On the sides there should be placed from six to twelve inches of sawdust or shavings, upon which there should be a U trap outside of the ice house to prevent any possible chance of circulation of air beneath the ice.

The walls of the ice house may consist of studding sheathed on the inside with rough lumber, and with tar paper and siding outside. Cement blocks should also make excellent walls, since they do not let water pass as does wood. Little is gained by placing sawdust between the sheathing and siding, as it is likely to become damp. Placing it thus does save rehandling each year, however. In any case the total thickness of insulation should not be less than 12 inches either at the sides, above or below the ice.

Ventilation is necessary above the ice to keep the air circulating and the material dry. This may be accomplished by latticed windows and a ventilating flue or shaft at the peak of the roof. Protection from the sun is also advantageous. Shade trees and wide roof projection help in this respect. A continuous door in the ice house is also desirable so that the ice may be put in at any level and unnecessary lifting avoided either in filling or taking out. Some means of keeping this opening closed quite tightly as high as the top of the non-conducting material should be provided. To prevent channels forming for air to circulate heat, to the ice, the insulating material should be rammed or packed down at intervals as the ice melts away and have the opening well covered after each time ice is taken out.

It is fully as important to milk at regular times as it is to feed regularly, both affect the milk flow.

HAS THE FARMER TIME TO READ

By R. J. BALDWIN, Michigan Agricultural College.

When we say "we have no time" to do certain things it would be well to consider the fact that we have time enough to do them. It is not enough to be sure that the thing being left undone is not of more importance than the things which keep us from doing it. It is true that every business man who expects to do anything of any importance is used in the day's work and there is little time and less inclination to read. Especially is this true on the farm, but there is no business man who has more valuable material at his command than the farmer and no business which is advancing more rapidly in methods than agriculture.

The only way to keep in touch with the latest knowledge along a man's line of business is to secure the publications containing the experiences and knowledge of other men who are also working and learning in that particular line. The physicians, lawyers, engineers and other professional men each have their journals and societies; the bankers, merchants and lumbermen each have their means of distributing latest information; the farmer, however, has no such means. The farm papers and journals, the bulletins of the department of agriculture, Washington, D. C., and the publications of experiment stations in every state of the Union. All these publications are invaluable in farm problems and methods and every year's work brings out new points which ought to be known and used by every farmer. Much old information is unknown to some of us because we have not formed the habit of reading. Fortunately farmers are becoming fewer who will not believe that farming can be learned from books and bulletins. They still want to become farmers who insist that they have not time to read; they will be left behind in the keener competition of production. It is not a question of having time to read, but it is a question of understanding that no man can afford not to read and keep up with the best and latest information obtainable.

The Michigan experiment station publishes bulletins every few weeks (from ten to fifteen per year) on the various phases of agriculture and these may be secured regularly when published by writing to Director Michigan Experiment Station, East Lansing, Mich., and asking that your name be placed on the mailing list.

Harvesting and Storing Apples.

Practically every farmer with a small orchard on his farm, desires to store a few apples for home use during the winter.

It is one thing to grow a good crop of apples and quite another thing to properly harvest and store a good crop. There seems to be as much ignorance and carelessness in harvesting and storing as in the growing, resulting in an inexcusable amount of decay and waste of the fruit. A few pointers, at this time, to prevent such waste, are worth considering.

Time to Pick Apples.

If apples are harvested too early, they are apt to be under-sized and of poor quality. If harvested too late, they will not keep as long in storage although the yield of higher and better size and quality when picked. We do not expect a winter apple to ripen at harvesting time. It will be full sized, however, well colored and it should separate readily from the spur. If, when picking the apples, the stems are pulled out or the spurs broken, it is too early to harvest that particular variety.

Method of Harvesting.

Apples should be handled like eggs. Any break rupture in the skin caused by worms or carelessness in handling is the starting point for the various rots and other forms of decay. No fruit harvested by shaking or bruising or knocking the fruit off the poles, is worth storing. Hand picking is absolutely essential. The fruit should be grasped by the palm of the hand that no abrasion may be made by the fingers. By slightly twisting the fruit and bending it upward, it should separate readily from the spur. Apples should be placed and not thrown or let fall into the picking basket. A careless picker will ruin more fruit by letting it fall into his basket instead of carefully placing it there than his services are worth. A great amount of fruit is also ruined by being left in the picking basket into barrels. If barrels are used, the basket should be inserted into the barrel and carefully inverted so that the fruit may not be injured.

The fruit should then be stored as soon as possible. Piling the fruit in the orchard is a wasteful practice. The fruit heats in the piles and ripens very readily. The aim in storing fruit is to retard this ripening process so that the fruit may be kept longer. Do not store fruit that has been piled in the orchard for any considerable time after picking. Get a good spring wagon for hauling the fruit into storage. A springless wagon, especially over rough roads, will injure the fruit for storing. If the fruit is packed in tight boxes or barrels, it will store better than if open crates are used.

The storage house or cellar should be well ventilated, well drained and frost proof. A cellar that cannot be properly ventilated to allow foul air to escape cannot keep fruit well. Drain the cellar so that it will never be wet and remove excessive moisture with a box of quick lime. In cellars having cement bottoms and where the water is apt to become too dry and cause the fruit to shrivel up, supply water.

STATE NEWS IN BRIEF

Grand Rapids—Mrs. Fredericka Ann, stamp clerk of the local post-office, died. When she died the combination of the safe holding nearly the entire local and western Michigan stamp supply went with her. Now the federal government has an expert safe-cracker drilling the strong box. The steel around the combination is four inches thick and in two days he has penetrated with his drill to a depth of only a quarter of an inch. He expects two weeks will elapse before the safe gives up its supply for the country post offices, this being the western Michigan distribution point.

Lansing—Freshmen and sophomores at the Michigan Agricultural college combined forces to paste ludicrous posters on the walls of the college library and the residence of President J. L. Snyder. They tried to paste some of them on a Lansing-Ontonagon interurban car, Conductor J. C. Tyrrell objected, and a swarm of the students boy him to earth, and rumbled him. The motorman of the car, J. L. Hudson, grabbed a switch bar and charged the mob. He knocked down three or four before the rescue of Tyrrell was accomplished. Then the two fought their way back to their car and got away. Tyrrell was badly bruised in the affray, and his clothing was almost torn off him.

Lansing—State Treasurer Sleeper received a letter from a farmer in Clare county requesting that the state pay ten dollars for two sheep killed by a bear last month. In his communication the ruralist set forth that there is a law protecting the bear and therefore ruin is the property of the state. In order to avoid litigation the farmer urges Treasurer Sleeper to remit at once.

Pont Huron—For violating the local option law in Sanilac county, Mrs. Sarah E. Smith of Lexington was sentenced by Judge Tappan to pay a fine of \$200 with \$40 costs. The fine, which is the limit allowed by the statute, was imposed because it was the woman's second offense within six months. She pleaded guilty.

Reed City—Owing to the excessive rains, the pressure on the dam of the Osceola Light and Power plant became so great as to cause a serious break. The city is without light and probably will be for some time. It is hoped the break will not enlarge and that repairs may be made.

South Haven, Oct. 2.—The entire north side of the city is in darkness. The cable which runs across the river carrying the power from the plant on the south side was severed by a pile driven by the workmen engaged in the harbor improvement under a government contract.

Adrian—While playing volleyball at the Y. M. C. David A. Barnes, a student of Adrian college, fell in a faint and died before a physician could be summoned. Barnes was apparently in good health, but was troubled with a cold, which, it is thought, caused his death. Barnes was a theological student and was in his third year at college. He had recently been married.

Kalamazoo—Alderman Frank J. Maus, one of the leading politicians of the city, was convicted of illegally selling liquor from his drug store. This is the second conviction of Maus on a similar charge.

Flint—Fred Holmes and his five-year-old daughter, Ruth, of Rochester, were severely burned when a gasoline stove exploded in a rooming house operated by Holmes at the fair grounds. The fire spread to the tent and it was only after a great deal of work by the fire department that the fire was kept from spreading all through the midway.

Grand Rapids—Lehman Lynch, arrested for trying to shoot his family with a shotgun, and who was overpowered by his younger brother, after his jaw had been broken in two places, was sentenced by Judge Perkins, in the circuit court, to serve two years in prison. He is from the Kent county; may be sentenced for carrying weapons in violation of the new state law.

Ionia—Nine Granges were represented at the annual meeting of the Ionia County Grange held here in December. Delegates elected were Mr. and Mrs. C. F. Penke, Port Huron; Mr. and Mrs. Z. W. Carter, Oshtemo; Mr. and Mrs. J. C. Butler, Danby; and P. C. Freeman and wife of South Boston, were chosen alternates.

Cadillac—Mrs. Katherine Seeley of Big Rapids has been chosen delegate to the national convention of the W. R. C. to be held in Los Angeles next August. The district convention at Tustin chose her and the following officers: President, Sarah Rogers, Tustin; senior vice-president, Mrs. Rosa Freeland, Red City; junior vice-president, Mrs. Harriet Hill, Port Huron; secretary, Mrs. Rachel Easton, Tustin; treasurer, Mrs. Lydia Newkirk, Harbor Springs; chaplain, Mrs. Darragh, Big Rapids.

Lost 25 POUNDS.

In Bed Seven Weeks With Terrible Kidney Trouble.

A. Dearth, Main St., Camden, O., "I was in bed seven weeks with kidney trouble and grew worse in spite of all the doctor could do. Kidney secretions were in terrible condition. It felt standing they thickened like glue and had to be removed with a knife. My own doctor gave me up. I then called in a specialist who said I was beyond recovery. I had lost over 20 pounds and was but a shadow of my former self. I used one box of Doan's Kidney Pills and soon felt better. Continuing, I was cured and have not had the slightest trouble since."

"When Your Back is Lame, Remember the Name—DOAN'S."

For sale by druggists and general storekeepers everywhere. Price 50c. Foster-Milburn Co., Buffalo, N. Y.

Henkel's FLOUR

GRAHAM FLOUR—makes delicious (Sens.)

BREADFLOUR—"one of the World's Best for Bread."—You can buy none better, no matter what the name or price.

VELVET PASTRY FLOUR—Makes the most tempting Cakes and Pastries.

COMMERCIAL FLOUR—The favorite family flour for fifty years.

A Reader Cures His Constipation—Try It Free

Simple Way for Any Family to Retain the Good Health of All Its Members.

The editors of "Health Hint" and "Questions and Answers" have one question that put to their editors more often than any other, and which, strangely enough, they have been unable to answer. That is "How can I cure my constipation?"

Dr. Caldwell, an eminent specialist in diseases of the stomach, liver and bowels has looked the whole field over, has practiced the specialty for forty years and he says that the ingredients contained in what is called Dr. Caldwell's Syrup Pepsin, are the only ones known to medicine from constipated people. The use of this medicine has done much to displace the

use of salts, waters, strong cathartics and such things. Syrup Pepsin, by training the stomach and bowels muscles to do their work naturally, and with its tonic ingredients strengthening the nerves, brings about a lasting cure. Numerous cures are given by Mr. John Gravitts of 38 Milwaukee Ave., Detroit, Mich., Mr. J. A. Verne, of 1000 E. 12th St., and thousands of others. It can be obtained of any druggist at fifty cents and one dollar a bottle, or if you want to try it first a free sample bottle can be obtained by writing the doctor.

For the free sample address Dr. W. H. Caldwell, 1000 E. 12th St., Detroit, Mich.

For SPONH MEDICAL CO., Chicago, Ill.

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No. 460, Hardwear Rouge Rex Shoe

This shoe is just what its name suggests, namely a shoe designed for hard service.

The stock in the uppers is one of the best tannages that can be secured for a shoe of this character, and has stood the test of service to the wearer's utmost satisfaction.

This shoe has a full bellows tongue to keep out the dirt, and the four rows of stitching around the vamp make it an extremely strong shoe. The soles are double clasp through to the heel, and of extra quality. Back of the sole is a leather made to withstand the hard wear to which such a shoe is subjected.

If you want shoes for service ask your dealer for the Rouge Rex Shoe No. 460. It will please you in every way.

HIRTH-KRAUSE CO.

Made to Shoe Tanners and Shoe Manufacturers

GRAND RAPIDS, MICHIGAN

My Lady Beautiful

Health is true beauty. The charm of bright eyes, rosy cheeks, rounded figure, buoyant elastic step is within the reach of every woman.

Reasonable care in diet, regular exercise and due amount of sleep with an occasional dose of

Beecham's Pills

will keep most women in health. The timely use of these pills will strengthen the system, renew the supply of blood and relieve nausea and indigestion. The beneficial effects of Beecham's Pills on the bowels, liver, stomach, blood and complexion, make them women's greatest aid to health and in a true sense

Nature's Cosmetic

In boxes with full directions, 10c. and 25c.

W. L. DOUGLAS

\$2.50, \$3.00, \$3.50 & \$4.00 SHOES

Men and Women wear W. L. Douglas shoes because they are the best shoes produced in this country for the price. Just upon having them. Take no other make.

THE STANDARD OF QUALITY FOR OVER 30 YEARS

The assurance that goes with an established reputation is your assurance in buying W. L. Douglas shoes.

If I could take you into my own factory at Brockton, Mass., and show you how carefully W. L. Douglas shoes are made, you would then understand why they are warranted to hold their shape, fit better and wear longer than any other make for the price.

CAUTION name and price stamped on bottom of shoe.

ONE PAIR OF MY BOYS' \$2.50 or \$3.00 SHOES will positively cure you of the habit of buying ordinary boys shoes.

Constipation Vanishes Forever

Prompt Relief—Permanent Cure

CARTER'S LITTLE LIVER PILLS never fail. Purely vegetable—act gently on the liver. Stop after dinner—disperse—cure indigestion—improve the complexion, brighten the eyes. SMALL PILL, SMALL DOSE, SMALL PRICE.

Genuine must bear Signature

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