

Agriculture.

SLOP BARREL-SUBSTITUTE FOR A DRAIN.

I was troubled in regard to waste from the kitchen! tried underdrains both of wood and tile, and found many would become stopped up after a time. Then I tried open drains: the unpleasant odors from the gutters soon ended that experiment, but for the last five years I have been following a plan that I think better than under drains even if they would work well.

I took an old axle with wheels, and had the blacksmith cut the axle, take a piece out, weld it together again so that it is just wide enough to go through my garden gate. I then had shafts set on the top of the axle and bolted to it; the ends projected over behind some two and a half feet, and had iron hooks to them, the shafts being connected together at the other end by a stout cross piece to pull by. The axle should have iron stays to come up from it to the shafts to make them firm.

I then got a common coal oil barrel and had "lugs" put on each side by the smith. This stands outside the kitchen door, and is the receiver of all waste from the house, kitchen, and laundry, and once or twice a day the wheels are run up to it, the hooks hooked into the "lugs," and with the weight of a good size boy, the barrel is raised and taken to the garden or compost pile, and its contents go to enriching the soil for future crops. I thus get rid of the refuse from the house in an effectual and economical way, and have, besides, a pair of wheels that are useful in various ways. The shafts have boards nailed to them over the axle and will hold wood to pile, two bushel baskets of corn, crates of peaches, etc.—Cor. Country Gentleman.

ARRANGING FLOWERS IN BEDS.

In arranging flowers in beds the principal things to be avoided are; the placing of rose-colored or red flowers next scarlet or orange, or orange next yellow, blue next violet, or rose next violet. On the contrary, the following colors harmonize: White will relieve any color (but should not be placed next yellow) orange with light blue, yellow with violet, dark blue with orange-yellow, white pink or rose and lilac with yellow. By observing these rules the amateur may have his flower borders vie in beauty and arrangement with those of greater pretensions, and even surpass many of them.—Western Rural.

UNPROFITABLE TOIL.—There was a man in the town where I was born who used to steal his firewood. He would get up on cold nights and go and take it from his neighbour's woodpile. A computation was made, and it was ascertained that he spent more time and worked harder to get his fuel than he would have had to if he had earned it in an honest way, and at ordinary wages. And this thief is a type of thousands of men who work a great deal harder to please the devil than they would to please God.—H. W. Beecher.

EFFECTS OF SNOW ON THE TEMPERATURE OF THE SOIL BENEATH IT.—Mr. C. G. Prindle of Chittenden county, Vermont, has made an experiment designed to ascertain how far soil is protected from cold by snow. For four successive winter days there being snow on a level, he found the average temperature immediately above the snow 13° below zero; immediately beneath, 19° above zero; under a drift two feet deep, 27° above zero.

TO KEEP HAMS IN SUMMER.—Keep the hams hung up in a smoke-house, which should be kept perfectly dark at all times. We have eaten hams two years old, and they were among the best we ever tasted. Uniform darkness is a complete protection against the attacks of insects.

Some idea of the immense exodus of people from the United States to Europe this season may be had from the fact that the number of cabin passengers who have left this season for Europe is estimated for at upwards of 50,000 the majority of whom were ladies. Quite a shegira. W. & E.

A deposit of a few more hundred million tons of guano has been discovered in Peru.

The hair of a healthy camel weighs ten pounds and is worth a hundred dollars.

Scientific.

INSTINCT OF TURTLES.

Audubon, the naturalist, stated that at certain places on the coast of Florida, sea turtles, those huge, stolid-looking reptiles on which aldermen are fed at the expense of taxpayers, possess an extraordinary faculty of finding places. Working their way up out of reach of tide water with their flippers, quite a deep hole is excavated, in which a batch of eggs are deposited, and then carefully covered up. On reaching the water they not unfrequently swim three hundred miles out to sea, foraging for appropriate food. When another batch of eggs are developed, after a lapse of about fourteen days, they will return unerringly in a direct line, even in the darkest night, and visit the buried eggs. Removing the sand, mere are deposited and secured. Away they go again as before. They know instinctively the day and hour when the young brood incubated by the solar rays, will break the shell, and are promptly at the spot to liberate them from their prison. As soon as fairly out of the hole, the mother turtle leads them down the bank to the waves, and there ends her parental solicitude and maternal duties.

A NOVEL STUFFING FOR CUSHIONS. Modern improvements are often rather singular, and one would never have anticipated some of the new ways of doing things that come into vogue. This thought occurred to us when we read that a material which has come quite extensively into use in Germany, as a substitute for hair in the stuffing of saddles, etc., consists of a mixture of flax seed and tallow. The advantage of this substitute consists primarily in the fact that the mobility of the seeds, one upon the other, prevents the packing or settling in any particular place, as often happens in saddles stuffed with hair, thus causing any given pressure to be readily and uniformly distributed over any given surface. The tallow serves the purpose, too, of keeping the leather flexible, and preventing the absorption of perspiration, protects the article itself, and prevents the back of the animal from becoming galled. Animals with sores or galled spots on the back can be ridden with saddles stuffed with this material, without any great inconvenience. The tallow also has the effect of preventing the rotting of the flax seed, and is to be added in sufficient quantity to give the requisite softness to the entire mass. An aromatic odor can be imparted by introducing oil of turpentine or camphor powder, and durability considerably increased thereby. One part of tallow to from six to ten parts of flax-seed may be used, according to the temperature.—Boston Journal of Chemistry.

TRANSIT OF VENUS.—The transit of the planet Venus across the sun's disc will occur on December, 8, 1874. This phenomenon, which is expected to be of great interest not only to astronomy but to the natural and physical history of the globe, has not occurred since 1754. At that early date France had observers in India, California, and Sant-domingo; England, in South America, the Pacific ocean, at Madras and Cambridge; and Russia at Yakoutsk, Astrakan and Liponia. The United States, Russia, Germany and England have already appointed observers for the occasion.

An apiarist at Aurora, Ill., has lost 95 swarms out of 110 swarms of bees, in consequence of a civil war amongst them. During the last five centuries more than \$250,000,000 worth of land has been washed from the eastern coast of England by the sea. An English chemist avers that the manufacture of wine is now conducted on such highly scientific principles that grapes are gradually being dispensed with.

A young lady in Dearborn county, Iowa, lost her life while endeavoring to save a goaling from being run over by a railroad train. A worm has been discovered in North Carolina that marches in single file, "countless thousands" of them forming one continuous line. A man, on being received into the small-pox hospital at Bedford, was asked if he had been vaccinated. "Yes," he replied, "when a child, and I was christened at the same time, but neither of them took."

HALIFAX, N. S., AUGUST 21, 1872.

MESSENGER ALMANACK.

AUGUST, 1872.

New Moon, August 4th, 6h. 31m. morning. First Quarter, " 12th, 1h. 38m. morning. Full Moon, " 18th, 4h. 39m. afternoon. Last Quarter, " 25th, 4h. 21m. afternoon.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Rows list days from 1st to 31st with corresponding times and tide heights.

THE TIDES.—The column of the MOON'S Position gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax. At Annapolis, St. John, N. B., and Portland Maine, 3 hours and 25 minutes later, and at St. John's, Newfoundland, 20 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 minutes later.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.

GATES' LIFE OF MAN BITTERS.

FROM THE ROOTS AND PLANTS OF NOVA SCOTIA.

formerly manufactured by Mrs. Gates, of Wilmet. Who was pronounced incurable of Liver Complaint and Dropsy by many skillful physicians, when procuring several receipts from an eminent French physician, she was entirely cured; and afterwards cured hundreds of cases for which at first there seemed to be no hope. We offer these remedies to the public through the persuasion of those who at present consider that they are indebted to them for the preservation of their lives. Many certificates can be given for the following diseases: Dropsy, in its worst form; Liver Complaint; Jaundice; Swelling of the Limbs and Face; Asthma; of whatever kind; Dyspepsia; Biliousness; Spitting of Blood; Bronchitis; Sick Headache; Diseases of the Blood; Female Diseases. Ranning Sores, Rheumatism, Erysipelas.

In cases of lung disease, the No. 1 Bitters must be taken with No. 1 Syrup, except in weak cases and young children, when No. 2 Syrup and No. 1 Bitters must be used. Those suffering from Lung diseases, should not fail to use in addition to the above, Gates' Vegetable Plaster applied between the shoulders and to the throat and chest with Nerve Ointment. In Liver complaint and Dyspepsia, No. 2 Bitters must be taken with No. 1 Syrup. In bad cases of Dropsy, No. 2 and No. 3, Bitters must be taken with No. 1 Syrup. For Gravel No. 3 Bitters and No. 1 Syrup, together with Gates' Vegetable Plaster and Nerve Ointment applied to the back near the kidneys.

For pains and Rheumatism in any part of the body, No. 1 Syrup, and Gates' Nerve Ointment and Acidian Liniment mixed together applied to the painful parts. For sore throat, rub the Liniment and Ointment (mixed together) into the parts affected, at the same time taking No. 1 Syrup to cleanse the stomach.

These medicines will be promptly forwarded by the manufacturers when orders are accompanied by the cash. Address CALEB GATES & CO., Middlesex, Wilmet, Annapolis Co. VENTILATORS.—We are not in the habit of puffing patent medicines, but we think that we are perfectly justified in recommending all our readers who are troubled with any of the common diseases that " flesh is heir to," to use Gates' and Co's " Life of Man Bitters." The long list of certificates testifies to its merit, and all who use it are at once relieved while every other remedy fails to affect a cure.

Liverpool, N. S., September, 17, 1845. This I certify for the good of the public, that I was given up by the doctors, dying with dropsy. I was in such a state that I bled from my eyes; my tongue was so swelled that I could scarcely move it; my body swelled out of all shape. To-day I am in good health, so that I am working in my field; and this I owe to Mrs. E. Gates' medicine, and thank Almighty God that he made her an instrument in his hand of restoring me, with health, to my family. JOHN DAY, Falmouth, Dec 16, 1859.

This is to certify that I was afflicted with a severe pain and soreness in my arm and elbow joint for about six months, so much so that I was unable to lift anything with it, and hearing of Mr. Gate's Liniment and Salve, I procured some of them and mixed them together and bathed the parts affected two or three times; and I have not been troubled since, which is now about six months. ISAAC ELLIOTT.

PRICE. Bitters \$1 per quart; Syrup 50 cents per pint bottle; Liniment 20 cents per bottle and the ointment 10 cents per box. Address CALEB GATES & CO., Farmington, Wilmet, Annapolis Co. A large number of certificates, similar to the above, have been received and will be published at times for the information of the afflicted and the people generally.

AGENTS.—George V. Rand, Wolfville, John Webb, Windsor, J. E. Newcomb, Hantsport, J. L. Cogswell, Kentville, Sheffield & Wickwire, Canning. GENERAL AGENT, JOHN K. BENT, 124 Granville Street, Halifax, Aug. 21.

CAUTION!! CAUTION!!

TO THE PUBLIC OF THE BRITISH PROVINCES OF NORTH AMERICA.

I beg most respectfully to acquaint the public of the British North American provinces that in May, 1871, I caused the business at 80, Maiden Lane, New York, for the sale of HOLLOWAY'S PILLS AND OINTMENT, which were up to that time prepared by William Brown, now deceased, to be closed. I regret to say that I have reason to know that the management of the late business had for some years, and in many ways, been most corrupt, and it may be that the Pills and Ointment were not prepared with that care I have always desired.

Those who do not wish to be deceived by buying spurious medicines, which are now likely to emanate from the States or elsewhere, but to possess themselves of the genuine HOLLOWAY'S PILLS AND OINTMENT, manufactured by me in London, England, will do well to see that each pot and box bears the British Government stamp on which is engraved the words "HOLLOWAY'S PILLS AND OINTMENT," and that the address on the label is 533, Oxford Street, London, where only they are manufactured, and in no other part of the world. The retail prices are on the labels in British currency, and not in dollars and cents.

No representative of mine will ever travel through any part of the British Provinces or the United States, either to sell, or to take orders for Pills and Ointment, and as I have reason to believe that attempts will very probably be made to deceive the public in this way by persons calling upon medicine vendors, falsely representing that they are acting for me, and with my knowledge and consent, I deem it advisable to put the public on their guard against any such deceptions.

I most earnestly entreat all those who may read this advertisement that they be pleased, in the public interest, to communicate the purport of the same to their friends that they may not be defrauded of their money by purchasing perhaps worthless imitations of the genuine HOLLOWAY'S PILLS AND OINTMENT.

I would ask, as a great favour, that should it come to the knowledge of any person that spurious medicines are being sold in my name, he be pleased to send me all the particulars he can collect respecting the same, that is to say, the name and address of the vendor who is selling the spurious medicines, and likewise the name and address of the House in the United States, or elsewhere, which may have supplied them, so as to enable me, for the protection of the public, to institute proceedings against such evil doers, and I engage to remunerate very handsomely any person who may give me such information, the informant's name never being divulged.

Should any person have reason to believe that he has been deceived by buying spurious imitations of these medicines, he will do well to send me, in a letter, to the address at foot (which he can do at a cost of six cents in postage) one of the books of instructions which are mixed to the same. I promise to examine it and send a reply, stating whether the Medicines are genuine or not, so that if spurious he may apply to the person from whom he purchased them to have his money returned.

Chemists and Druggists who desire to obtain the Medicines can be supplied at the lowest wholesale prices in quantities of not less than £20 worth—viz., 8s. 6d., 22s., and 34s. per dozen boxes of pills or pots of Ointment, nett, without discount, for which remittance must be sent in advance.

I have the honour to be, With great respect, THOMAS HOLLOWAY, 533, Oxford Street (late 244, Strand) London, W. C., October 1, 1871. June 5 6 m

99 GRANVILLE STREET 99 SEASONABLE GOODS FOR SUMMER 1872.

BLACK AND COLORED GRENADINES, BLACK GENAPINE CLOTHS, DRESS MUSLINS, BLACK AND WHITE REAL LACES, REAL LACE SETTS, LIGHT BRILLIANT PIQUES, &c. LIGHT CHAPE SCARVES AND SQUARES, &c. &c. &c.

N. B.—Our stock of KID GLOVES this season is the most complete we have ever offered.

SMITH BROS.

BOOTS & SHOES.

The Subscriber has just received a well assorted stock of MEN'S LEVANT SEAL SHOES, MEN'S PATENT LEATHER SHOES, MEN'S FRENCH CALF SHOES, And a general assortment of Men's Walking Boots, of the best English and Local Manufacture. Also, a good assortment of Ladies, Misses and Children's Boots, Shoes & Slippers, From the best English, American and Local Houses.

TRUNKS & VALISES in every variety, and at all Prices, always on hand. CHARLES L. WERKS, 93 Barrington St. (Nearly opposite Union Pro. Compy's Hall.) July 24 rep. rec

H. G. LAURILLIARD, TAILOR, GENTLEMEN'S DRESS MATERIALS, AND Furnishing Goods constantly on hand

Agent for the NEW YORK FASHION PLATES. 331 HOLLIS STREET, HALIFAX, N. S. May 17. ly.

Hats and Caps.

WE have now on hand a full Stock of all kinds, including the NEWEST STYLES, to which we invite the attention of our friends, both at Wholesale and Retail. Our prices are as low as any in the city. Silk Hats made to order by Conformateur Measure, without extra charge. EVERETT BROTHERS, 100 Granville St., May 8.

WINDSOR & ANNAPOLIS RAILWAY.

CONDENSED TIME TABLE.

JULY, 1872.

HALIFAX TO ST. ST. JOHN.

Table with columns for Stations, Exp. Acc. P.M. and P.M. Rows list stations from Halifax to Annapolis with departure and arrival times.

ST. JOHN TO HALIFAX.

Table with columns for Stations, Pass. Acc. Exp. and Exp. Rows list stations from Annapolis to Halifax with departure and arrival times.

Steamer "Empress" or "Scud" leave St. John on Monday, Wednesday, Friday and Saturday, at 8 a.m., for Annapolis, returning on Tuesday, Thursday, Friday, and Saturday, on arrival of Train from Halifax. International Steamers leave St. John on Monday, Wednesday, and Friday, at 8 a.m., for Eastport, Portland, and Boston. Trains of the Western Extension Railway leave St. John at 7.30 a.m. every day for Woodstock, Fredericton, St. Stephens, Bangor, Portland, Boston, and all parts of the United States and Canada. Tickets by above routes to all parts in the United States and Canada may be obtained at 106 Hollis Street, Halifax, at Richmond, and the principal Stations on the Railway. P. INNES, Manager, Kentville, 1st July, 1872. July 10.

NEW SPRING GOODS! Ex "Moravian," "Olympia," "Tiger," "Caspien," &c.

BRITISH WOOLLEN HALL, 132 & 134 Granville St.

JENNINGS & CLAY

HAVE much pleasure in announcing to Wholesale and Retail Customers and friends, that their Stock of BRITISH AND FOREIGN DRY GOODS, Ready Made Clothing, Gents' and House Furnishing Goods, &c., is now COMPLETE in every Department, to which they invite their attention. May 15.

"EDITH EMILY."

100 Bundles and 3 Cases WHITFIELD'S Celebrated IRON BED-STEADS, PATENT CHAIR BED-STEADS, INVALID BED-STEADS, COATS, STRETCHERS, &c., Fitted with dove-tail joints, warranted not to break. Selling off at a small advance on cost. McEWAN & CO. Sole Agents, 20 Barrington Street, July 10.

To Parents and Sabbath School Teachers.

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