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Scientifit.

WASTE PAPER.

Few housekeepers are aware of the many uses to which waste paper may be put. After a stove has been blackened, it can be kept looking very well for a long time by rubbing it with paper every morning. Rubbing with paper is a much nicer way of keeping the outside of a tea-kettle, coffee-pot and teapot bright and clean, than the old way of washing them in suds. Rubbing with paper is also the best way of polishing knives and tinware after scouring. This saves wetting the kn fe handles. If a little flour be held on the paper in rubbing tinware and spoons, they shine like new silver. For polishing mirrors, windows, lampchimneys, paper is better than a dry cloth. Preserves and pickles keep much better if brown paper, instead of cloth, is tied over the jar. Canned fruit is not so apt to mould if a piece of writing paper, cut to fit the can, is laid on the fruit. Paper is much better to put under a carpet than straw. It is warmer, thinner, and makes less noise when one walks over it. Two thicknesses of paper placed between other coverings are as warm as a quilt. If it is necessary to step on a chair, always lay a paper on it. and thus save the paint or woodwork foundation.

MAPS FOR THE BLIND .- Relief maps of England and Wales have just been published by the British and Foreign Blind Association, which seem admirably suited for conveying geographical information to those deprived of sight. Two distinct maps have been found necessary to convey a full knowledge of the geography of Eugland. In both where the land meets the sea it forms, as it were, a bold cliff, which can readily be felt by the finger of the pupil. The river heds are marked by depressions, also very easy to be traced. In the map which illustrates the watersheds, table-lands, hills, and mountains are marked with a sufficiently near approach to truth to give a very accurate idea of the configuration of the country. It is also fully engraved, coloured, and varnished and is likely to prove of great use to the seeing as well as to the blind The elementary map has no natural features marked on it except rivers and coast lines.

Agriculture.

NATURAL DECORATION

THE

The use of English ivies for the purpose of decorating living-rooms is becoming more extensive every year.and cannot be too highly commended. Being very strong, they will live through almost any treatment ; but study their peculiarities, and manifest willingness to gratify them, and they will grow without stint. Most houses are too hot for them, as indeed they are for their owners. Neither plants nor people should have the average temperature over sixty five degrees Farhenheit Take care and not enfeeble your ivies by undue heat or excessive watering, and you will find they will not seem to mind whether the sun shines on them or not, or in what position or direction you train them Indeed, so much will they do of them. selves to render a room charming, that we would rather have an unlimited number of them to draw upon than anything else in nature or art. Do you wish the ugiy plain doors that shut off your tiny entry from your parlor to be arched or curved, like those in the drawing-rooms of your richer neighbor ? Buy a couple of brackets, such as lamps for the burning of kero en are sometimes placed on, and screw them on the sides of the door. Put in each a plant of English ivy, the longer the better ; then train the plants over the top, against the sides-indeed any way your fancy dictates. You

HALIFAX N. S., JANUARY 29, 1873 MESSENGER ALMANACH.

CHRISTIAN MESSENGER.

FEBRUARY 1873.

THE TIDES .- The column of the Moon's Southing gives the time of high water at Patrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and Fran.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes later than at Halifax. At Annapy lis, St John, N. B., and Portland Maine, 3 hoars and 25 minutes later, and at St. John's, Newtoundland 20 minutes earlier, than at Halifax. At Charlotterown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Ya mouth, 2 hours 20 minutes later.

need not buy the beautiful but costly 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.

GATES' Life of Man Bitters.

Wilmotr February 15, 1866.

Mr Caleb Gates-Dear Sir-I feel entirely well of pain in my side and have raised no more blood and matter since taking two bottles of your medicine I have tested it in my family with a like result; my wife, one of my sons and myself have all been cured of severe affectious of the Lungs and stomach by its use after every other medicines have failed. I cordially recommend it.

JOHN H POTTER.

Do.,

Caledonia, June 4. 1863.

This is to certify that I was given up by all the most skilful physicans in New York with the dropsy, in its worst form, with a large lump in my side, and swelled out of all kind of human shape, when hearing of Mrs E. Gates medicine, I was indouced to try it, and by so doing I am happy to inform the public, I am restored to perfect health. JOHN CANE.

The medicines are manufactured by. ... CALEB GATES.

CALEB GATES, ESQ.

Sir .- This is to certify that I was for a oon siderable length of time seriously affected with indigestion accompanied by a severe pains in the chest and side . After trying different medi cines without experiencing any permanent relief was indued by your Age: t to try his medi ciues and after using three bottles of Bitters and Syrup. I was entirely cured. I would cheerfuly recommend it to all simi-

larl, afflicted.

GEO DONKIN. Conductor W. A. Railway Kentville. Oct 5th, 1870.

This is to certify that C Wheelock of Nictaux Avnapolis in the Country of Annapolis and Province of Nova Scotia has been afflicted with Liver Complaint and o mplicated disease two years. Have tried different physicans and dif forent medicines of various kinds, but found lit. tle or no relief until I, applied to Mr. Caleb Gates for his messicine. After using it I soon found the diseases ha i to yield under his treatment. I write this for the benefit of others who may be afflicted as 1 have been. August 4, 1866. CHRISTIAN WHEELOCK PRICE.

Joyful news for the Afflicted. Agents for the Christian Messenger.

NOVA SCOTIA Amherst-W. F. Cutten, Esq. Antigonish-T M. King E-q. Aylestord-Rev. Dr. LUPPER J Wheelock, Esq., Rev. J. L. Read,

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TO HASTEN COOKING .- All kinds of pastry and meat can be cooked quicker by adding to the water in which they are boiled a little vinegar or a piece of lemon. By the use of an acid, there will be considerable saving of fuel, as well as shortening of time. Its action is beneficial on old, tough meats, rendering them quite tender and easy to be digested. Tainted meats and fowls will lose their bad taste and odor if cooked in this way and if not used too freely, no taste of it will be acquired.

WHAT CAUSES THE HAIR TO TURN GRAY. - An English writer asserts that an undue proportion of lime in the system is the cause of premature gray hair, and advises to avoid hard water, either for drinking pure or when converted into tea, coffee, or soup, because hard water is always strongly impregnated with lime. Hard water may be softened by boiling it; let it become cold, and then use it as a beverage.

pots the flower-dealer will advise; common glazed ones will answer every purpose, for by placing in each two or three sprays of Coliseum ivy, in a month's time no vestige of the pot itself can be discerned through their thick screen .- Journal of Horticulture.

COST OF SHEEP.-As a general thing it is admitted that our lands will support one head of sheep to every acre of pasture and arable land on the farm in addition to the other stock which it is capable of sustaining Some farmers discard sheep altogether from their grazing stock and give the preference to cattle. But these are exceptional, and now, with the low prices of cattle and the high prices of wool and the more general demand for mutton as a fresh meat, there is a danger that the cattle stock will be reduced and that in their place sheep will be taken. But the true policy for the farmer is to proportion the two so that the one will rather be an aid to the other than a hindrance.

FOOD FOR CATTLE .- We know that the digestive material contained in the food we feed to our domestic animals serves for three different purposes. One part is used to make up the waste which is taking place in the different organs when exercising their functions, or to retain all the organs in the state and condition that they are in. The second part is used to maintain the animal warmth, which by the way, is between about 100 and 105 degrees Fahrenheit in the different parts of the animal body; and, provided that we feed enough, a third part is used to increase the growth of the animal; or, when it is already full grown, and is then converted into additional flesh and fat, or, in a milk-yielding animal, though indirectly, into cheese and butter.

HORSES .- Few fine-bred animals N. B.-The Express Trains run on Monday. are as tough, under all circumstances, as the unimproved. The blooded horse is fitted to accom lish more under good treatment than the common one. He has been made by centuries of cultivation capable of affording extra returns for extra care. The common roadster will maintain a dead level of mediocrity under neglect and exposure, and rise but little above, even with the best care. It is just so with all other domestic animals. The question which should concern us is not whether the finer breeds will beat the unimproved under bad management, but under good.

OR THE LENGTH OF THE NIGHT-Subthe time of the sun's setting from 12 to the remainder add the time of hou. ming rising n

WINDSOR & ANNAPOLIS RAILWAY. CONDENSED TIME TABLE. DECEMBER, 1879. HALIFAX TO ST. JOHN. STATIONS. Exp Pass. Ps. A M. A. M. P. M Leave. 8.00 8 40 2.45 . 8.24 9 17 3.15 0 Halifax-8 Bedford .. 8.40 9 45 3.45 14 13 Wind, Junction .. 9.18 10 40 4.38 .. 10.00 11 33 5.33 44 26 Mount Unlacke .. 39 Newport . 10.20 12.20 6 10 45 Windser .. 10.40 12.00 6 40 52 Hantsport 63 Wolfville 44 .. 11.40 2.40 70 Kentville .. 12.12 3 40 82 Berwick .. 12.25 4 12 87 Avles.ord .. 12.38 5 00 101 Miduleton 1.15 3 25 107 Lawrencetown 1.35 6 00 115 Bridactown 129 Aunapolis-arrive 2.15 6 45 190 St. John by Steamer 8.00 ST. JOHN TO HALIFAX. STATIONS. Exp. Pass. Pass. A. M. A. M. A. M. St. John by Steamer 8.00

Leave. 8.15, 2.20 0 Annapolis 9.05, 2.55 14 Bridgetown 22 Lawrencetown 10.07 3.32 28 Middleton 11.15 4.10 11.35 4.21 7.30 1.00 5.00 42 Aylestora 47 Berwik 59 Kentville .. 7.53 1.32 5.24 .. 8.33 2.15 5.50 66 Wolfville 77|Hantsport .. 9.20 3.00 6.10 S4| Windsor 9.56 3.27 6.28 90 Newport 10.45 4.85 7.07 .. 11.45 5.35 7.45 .. 12.08 5.55 8.00 103 Mount Uniacke 116 Windsor Junc. 121 Bedford 125 Halitax-Arrive...... 12.301 6.25 8.25

Weduesduy, and Saturday only. Steamer " Scud" leave St. John on Monday, Wednesday, and Saturday, at 8 a m., for Annapolis, and return same day on arrival of 8 a. m. Express Train from Halifax. International Steamers leave St. John every Thursday at 8 a. un, for Eastport, Portland, and Boston. European and North American Railway Trains ie. ve St John at 8.00 a. m. and 3 p.m. for Woodstock, Frederiction, St Stephens, Bangor, Portland, Boston, and all parts of the

Bitters \$1 per quart : Syrup 50 cents per pint bottle ; Liniment 20 cents per bottle and the ointment 30 cents per box.

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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.

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EATABLE EARTH .- Two specimens of so-called "eatable earth"-one from Lapland ,and the other from South Persia-have recently been annalyzed by Dr. Schmidt, of Dorssert, who finds that from Lapland wholly deficient in nutritive qualities, only serving to stay the pangs of hunger for the moment, while the Persian speci men contains carbonic acid, and performs the office of what is commonly called baking powder. Both these earths are eaten only in combination with flour made into bread.

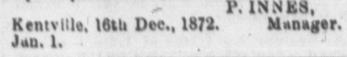
To Cook RAISINS .- Pour a small quantity of boiling water on them in a tightly-closing dish, allow them plenty of time to cook before opening the dish. For pies, cakes, puddings, etc they should be prepared in this way. They are plumper and do not then hadly affect one's digestion.

A New Orleans paper says that a young widow in that city, who writes well " is training herself for an editor." Who is the editor she is training for?

BOTH BOTHERED.-School Examiner-" Name the kings of England who diad violent deaths." Boy-" Please sir, did a king who died in a fit die a violent death ?" School Examiner-"I am not allowed to help you in answering questions. You must judge for yourself?"

The truest mark of being born with great qualities, is being born without envy.

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