

Scientific and Asectal.

CAJENNE PEPPER AND BED BUGS.

Cayenne pepper is death to bed bugs. Dust the bedsteads, crevices and niches well with the condiment.

BURNS.

Apply a layer of common salt, and saturate it with laudanum. Hold it in position a few hours with a simple wrapper. The smarting disappear almost immediately, and the sore gets well with incredible rapidity.

TO CURE THE SUMMER COMPLAINT.

Take about two tablespoonfuls of grated cayenne root and the white of an egg, beaten well together; then have ready a boiling pint of milk, into which stir the comfrey and egg. It will thicken the "pap," and is not hard to take.

SCALLOPED EGGS.

Boil eggs eight minutes; when cold remove the shells and chop the eggs up roughly. Have ready a teacupful of mashed potatoes, and another of well-boiled rice. Mix well together, add chopped capers, very little vinegar, melted butter, pepper and salt, and Worcester sauce. Put into shells with bread crumbs, with a little butter, and bake light brown.

PURIFYING WATER.

It is not generally known that pounded alum possesses the property of purifying water. A tablespoonful of pulverized alum sprinkled into a hoghead of water (the water stirred at the time) will, after the lapse of a few hours, by precipitating to the bottom the impure particles, so purify it that it will be found to possess all the freshness clearness of the finest spring water. A pail-full containing four gallons may be purified by a single teaspoonful.

A USEFUL SOAP.

The following is commended by those who have tried it for scrubbing and cleansing painted floors, washing dishes and other household purposes: Take two pounds of white olive soap and shave it in thin slices; and two ounces of borax, and two quarts of cold water; stir all together in a stone or earthen jar, and let it stand on the back of the stove until the mass is dissolved. A very little heat is required, as the liquid need not simmer. When thoroughly mixed and cooled, it becomes the consistency of a thick jelly, and a piece the size of a cubic inch will make a lather for a gallon of water.

AN AMUSING CHEMICAL EXPERIMENT.

Place five glasses in a row, and pour into the first a solution of potassium, the second a solution of corrosive sublimate, the third a small quantity of iodide of potassium and some oxalate of ammonium, the fourth a solution of chloride of calcium, and the fifth some sulphide of ammonium. Now pour part of the contents of the first glass to the second, and a scarlet color will be obtained; next pour the second into the third, and the mixture will be colorless, again, pour the third into the fourth, and the contents will be white; finally, pour the fourth into the fifth, and the mass will be a dense black. Then you will have had two glasses colorless, one scarlet, one white, and one black.

SKELETON LEAVES.

Take three ounces of carbonate of soda, one and a half of quicklime previously slacked, and one quart of water. Boil ten minutes, and draw off the clear solution. Return this to the fire, with the leaves, and boil briskly one hour, or till the epidermis and parenchyma separate easily. This can be done by rubbing between the fingers, in clear water. A slower process is to keep the leaves in water until all the fibre decays. To bleach the leaves, mix a drachm of chloride of lime with a pint of water and a little acetic acid. Steep the leaves in this about ten minutes, simmer, and place in books to press. Leaves with strong fibre, as the pear and ivy, are best. Ferns, striped grasses, and some rose leaves do nicely. Floral Cabinet.

HOW NUTMEGS GROW.

An old whaler tells, in the American Grocer, all about nutmegs. This spice, so much used in every family, is indigenous to the Moluccas, reaching its greatest perfection in Amboyna. This island belongs to the Dutch, who do not permit the cultivation of the nutmeg in other islands under their control. The nutmeg tree is twenty-five or thirty feet high when fully grown, with foliage of a rich dark green, and very plentiful. It reaches maturity or full productiveness, at the fifteenth year from planting. From the blossom to the ripening of the fruit takes about seven months, but as the tree is a perennial bearer there are always blossoms, green fruit and ripe on the tree. The yield is most plentiful in the last four months of the year. The average yield per annum of a healthy tree is five pounds of nutmegs and one and one-fourth pounds of mace. A plantation of 1,000 trees requires the labor of seven coolies, fifty oxen and two plows for cultivation and harvesting. The fruit is gathered by means of a hook attached to a long pole. It is shaped like a pear, about the size of a peach, and has a delicate "bloom." The nut has three coverings; the outside one is a thick, fleshy husk, having a strong flavor of nutmeg. This husk, preserved in syrup when young, is a favorite sweet-meat in the East Indies. Under this husk is the bright red mace, which is carefully flattened by hand and dried on mats in the sun. It loses its rich scarlet and becomes a dull orange color, and requires to be kept perfectly dry to preserve its flavor. After the mace is removed from the fruit, the nuts, in their brown shells, are placed on hurdles over a slow fire, which is kept constantly burning under them for two months. The nuts then rattle in the shells, which are cracked with a wooden mallet, the sound nuts selected and packed in wooden cases, and sprinkled over with dry, sifted lime, and are then ready ready for market. The best nutmegs are dense, emit oil when pricked with a pin, and can always be known by their heavy weight. Poor ones are light and easily known.

New Advertisements.

HOME MISSION COMMITTEE CANADA PRESBYTERIAN CHURCH.

The half yearly meeting of the Home Mission Committee will be held in Knox College, On Tuesday, October 6th, 1874, at 9 a.m.

At this meeting the annual list of all supplemented congregations and Mission Stations will be reported; or otherwise will be considered; also the grants and aid to be distributed for the year beginning October 1st, and the usual claims for the past six months. These should be in the hands of the Convenor a week prior to the meeting.

WM. COCHRANE, Convenor H. M. C.

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SEWING MACHINES!

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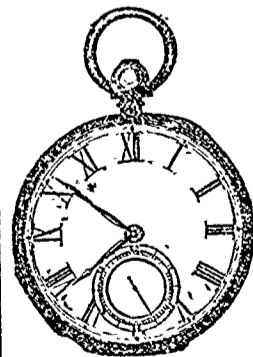
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Miscellaneous.

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Hepatitis or Liver Complaint, DYSPEPSIA AND BILIOUS HEADACHE.

Symptoms of a Diseased Liver.

PAIN in the right side, under the edge of the ribs, increases on pressure; sometimes the pain is in the left side; the patient is rarely able to lie on the left side; sometimes the pain is felt under the shoulder-blade, and it frequently extends to the top of the shoulder, and is sometimes mistaken for a rheumatism in the arm. The stomach is affected with loss of appetite and sickness; the bowels in general are costive, sometimes alternative with lax; the head is troubled with pain, accompanied with a dull, heavy sensation in the back part. There is generally a considerable loss of memory, accompanied with a painful sensation of having left undone something which ought to have been done. A slight, dry cough is sometimes attendant. The patient complains of weariness and debility; he is easily startled, his feet are cold or burning, and he complains of a prickly sensation of the skin; his spirits are low; and although he is satisfied that exercise would be beneficial to him, yet he can scarcely summon up fortitude enough to try it. In fact, he distrusts every remedy. Several of the above symptoms attend the disease, but cases have occurred where few of them existed, yet examination of the body, after death, has shown the LIVER to have been extensively damaged.

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Statement for the year ending Dec. 31, 1873.

Table with columns for RECEIPTS and DISBURSEMENTS. RECEIPTS: Premiums \$1,070,205 13, Interest 694,791 51, Total Receipts \$2,171,996 64. DISBURSEMENTS: Death Losses \$416,690 00, Paid for Surrendered Policies 133,363 24, Paid Return Premiums 365,401 17, Paid Matured Endowments 7,000 00.

Total amount returned Policy-holders.. \$209,400 41 Assets, \$8,000,000; Surplus at 41 per Cent., \$1,353,371.

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