Scientific and Aseful.

SALT AND CHARCOAL FOR STOCK.

Farmers who rai estock stock should give them plenty of charcoal to eat, and furnish them freely of salt. Both improve cattle and keep them in good condition. Salt acts healthily on the blood; charcoal stronthens and beats the mucous membrane throughout the alimentary canal, and increases the power of the digestive organs, healing any unhealthy condition existing there. It prounhealthy condition existing there. It prevents worms generating in the stomach, etc.; it absorbs the putrescent gases by which worms are generated, and they consequently die. The free use of salt and charcoal will contribute to protect cattle from epidemics, and will counteract the effects of putrescent or septic water.

THE NEW STIMULANT.

Chloral drinking, according to the physicians, is superseding abstintto, opium, and alcoholic stimulants among the better clarges. An insidious sedative, its use grows more dangerously on the tippler than more actively intoxicating drinks. The manufacture of this drug is the best evidence of the extent of its use. In Europe its production has become one of the leading chemical industries, and it is sold by the ton. Baron Liebig affirms that one German chemist manufacturers and sells half a ton a week. The London Spectator says: "Taking chloral is the new and popular vice, particularly among women, and is doing at least as much harm as alcohol, The drug is kept in thousands of dressing-cases, and those who begin its use often grow so addicted to it, that they pass their lives in a content of the their lives in a sort of a contented stupe-faction. Chloral drunkards will soon be an admitted variety of the species."

If is an excellent recipe for making genuine erasive soap that will remove grease and stains from clothing: Two sounds of good castile soap; half a pound of carbonate of potash dissolved in half a pint of hot water. Cut the soap in thin elices; boil the soap with the potash until it is thick enough to mold in cakes; also add alcohol, half an ounce; camphor, half an ounce; hartshorn, half an ounce; color with half an ounce pulverized charcoal.

TO DESTROY INSECTS.

Hot alum water is a recent suggestion as an insectictide. It will destroy red and black ants, cockroaches, spiders, chintz, bugs, and all the crawling pests which infest our houses. Take two pounds of alum and dissolve it in three or four quarts of buling solve it in three or four quarts of boiling water; let it stand on the fire until the alum disappears; then apply it with a brush, while nearly boiling het, to every joint and crevice in your closets, hedsteads, partry, shelves, and the like. Brush the crevices in the floor of skirting or mop boards, if you suspect that they harbor vermin. If in whitewashing a ceiling, plenty of alum is added to the lime, it will also serve to keep insects at a distance. also serve to keep insects at a distance. Cockroaches will flee the paint which has been washed in cool alum water. Sugar barrels and boxes can be freed from auts by drawing a chalk line half an inch in width which will set their depredations at naught. Powdered alum or borax will keep the chintz bug at a respectable distance, and travellors should always carry a package of it in their pillows in places where they have reason to suspect such bed-fellows .- Scientific American.

GRAPE VINES PROM SINGLE EYE CUTTINGS.

This is very simple. If only a small quantity is wanted, take a pot or pan and fill it two-thirds full of rich mould, and then fill it up with fine sand. In this stick the cuttings so that the eyes will be partly pressed into the sand. Keep in a warm place and cover with a pane of glass, watering occasionally. Be sure to have holes punched in the bottom of the pans to let stag_ant water pass off. let stag_ant water pass off.

If large quantities are to be grown, make an ordinary hot bed with manure under to heat, put in three inches of rich earth on top of manure, and on this an inch of clear and, and in this put the eyes in rows one inch apart, and rows two or three inches apart. In June or July, transplant, and keep shaded for a few days and water well. -Fruit Recorder.

IMPROVED MUCILAGE.

Ordinary mucilage, made from gum Arabic, does not fix paper to wood or paste-board, or to metalic surfaces. These disadvantages are overcome by adding a solution of sulphate of aluminum, made up in ten times its quantity of water. Ten grains of aluminum sulphate are sufficient for 250 grains of muchage. Prepared in this way it will not become mouldy. Again, according to Hirschberg, a few drops of strong sulphuric acid are added to the gum solution, and the precipitated sulphate of lime allowed to settle. Solutions prepared in this way a year and a half ago have nother become mouldy nor lost their adhesive power.

OACH OF HORSES.

The Agriculturist offers some excellent and timely advice as to the care of horses. Among other things it says: "When the horses are brought home at noon give them a pail of water with a pint of corn or oat-meal stirred in it. Take off the harness. Wash the shoulders. If sweaty, rub them dry with straw, curry off the mud and dry sweat, and rub them down with a brush. Then feed them, and let them eat while you are at dinner."

MACKED LIME FOR THE CURRANT WORM.

A correspondent of an agricultural paper, last season, wrote as follows: Currants and gooseberries have gone up this season; there is no the corresponding to the corresponding t and gooseberries have gone up this season; there is not a bush, as far as I know, that does not look almost as though the fire had does not look almost as though the fire had over it, except those belonging to me lady who lives near. Surprised at steing her bushes looking so green and thrifty amid the general ruin. I onquired the resson, and she told me that she sprinkled air-shadked lime over them, and that it killed every worm. I think it a temedy worth knowing, and would liave temedy worth knowing, and would liave leen glad to have known it earlier myself.

Flour and Feed, Hoy and Straw for sale, at 100-oct cash price of each price of the sale, at 100-oct cash price of the sale in t

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PPLICATION WILL BE MADE TO A PPLICATION WILL BE MADE TO the Ontario Legislature of the Province of Ontario at its next sexuon, for an est to could the four following Churches, hands: —The Presbyterian Church of Spotkard, The Land Predyterian Church, The Pre-byterian Church of the Martine Provinces in connection with the Church of Footland, and The Pre-byterian Church of the Couland, and The Pre-byterian Church of the Church under the designation of The Pre-byterian Church in Canada, to hold after the union, the property of the various congregations, collegiate institutions, and the other trusts connect a with the said Churches, in the same manner as it is new held by he respective Churches, and in so far as it lies within the Province of Ontario. Dated, 16th Sept., 1871.

Home mission committee

CANADA PRESBYTERIAN CHURCH.

The half yearly meeting of the liome Mission Committee will be held in Knox College,

On Tuesday, October 6th, 1874, at 9 a.m.

At this meeting the revised list of all supplemented congregations and Mission Stations is if supporting or otherwise), will be considered, also the grants asked for by Presbyteries for the year beginning October 1st and the usual claims for the past six menths. These should be in the hands of the Convener a week prior to the meeting.

WM. COCHRANE, Convener H. M C,

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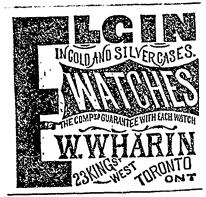
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Statemen for the year ending Dec. 31, 1873.

RECEIPTS. Tota Receipts\$2,171,996 64 DISBURSMENTS.
 Death Lossos.
 9416,800
 68

 Paid for Surrendered Policies
 180,363
 24

 Paid Return Premiums
 345,401
 7

 Paid Matured Endowments
 7,000
 08

Total amount returned Policy-holders.. \$939,469 fl Assets, \$8,000,000: Surplus at 41 per Cent., \$1,353,871.

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