

SCIENTIFIC GLEANINGS.

RESTORING DISCOLOURED PRINTING PAPER.

Printed paper, in books or engravings, may be whitened when stained or discoloured by first being dampened with pure, clean water, then dipping into a solution of chloride of lime; withdrawn from the latter solution, the stained portion must be passed through water mixed with hydrochloric acid; lastly, the paper so treated has to be passed through pure water until every trace of acid is removed. The process may be still further improved by dipping the paper into a weak solution of antichlor and again thoroughly washing in clean water before finally drying. Only rare and valuable books are worth the trouble of prolonged treatment, which on account of the very fragile nature of the paper, requires the utmost care and some skill in handling. In the great majority of cases the stains may be obliterated by simply exposing them, after being moistened, to the fumes of burning sulphur, and afterwards passing the portions treated through pure water. Under all circumstances care must be taken to prevent permanent injury to the paper by rough and hasty handling.—*Boston Jour. Com.*

TEST FOR LUBRICATING OIL.

Place a single drop of each of the different kinds to be compared in a line across the end of a piece of plate glass about 24 inches long, one end being placed six or eight inches higher than the other, to form an inclined plane. The drops of oil run down the inclined plane in a race with each other. The quality of the oil for lubricating purposes is shown by the distance travelled and the trace left by the drops. Thus on the first day, sperm oil will be found to be in the rear, but it will in time overtake the rest, and retain its power of motion after other oils have dried up. A light-bodied oil flows quickly like water, but also dries, whereas what is needed is a good body compared with a limpid flow. Many oils have a good body but have a tendency to gum, which will be distinctly shown on the glass.—*Chemical Review.*

READY-MADE WOODEN HOUSES.

Ready-made wooden houses, imported from America, says the *Engineer*, are selling as a novelty at Buenos Ayres. The demand for habitations at that place has been so great that the provincial government could not wait for the slow process of brick and mortar; hence ready-made houses had to be imported. The price charged for them is said to be so reasonable, that should they meet the expectations of the Argentine people, it is anticipated that a large trade in them will be done. The only fear seems to be that, owing to the heavy south-west winds which attack "La Plata," the ready-made houses may be blown away.

THE ALCOHOLIC DISEASE.

An examination of alcoholic intemperance in its origin can only terminate in one result—that is, in the conviction that it belongs, both physically and morally, to the class of fermentative or zymotic diseases. No mere deprivation of natural appetite will produce it; never does it exhibit itself till alcohol has been consumed; and what is especially to be remarked is, that alcohol acts in the production of the intemperate habit by poisoning the blood and arresting the healthy operation of the nervous system. It attacks the higher faculties; those qualities which give a moral tone, and lead man up to true happiness and a virtuous life. It dethrones reason, and retrogrades its victim to the level of the brute.

In this manner, and in no other, the craving for alcoholic drinks is produced—which is always a physical malady in its inception—until by continuous indulgence it takes a settled and chronic form, leading its victims through the stages of *mania a potu*, *dysomania epilepsii*, and numerous forms of mental and physical depravity.—*Quarterly Journal*

COST OF GAS AND ELECTRICITY IN NEW YORK.

Stephen McCormick, Secretary of the Gas Commission has reported to the city of New York regarding the relative cost of gas and electricity for lighting streets. The city has 647 electric lights, costing annually \$165,308.50. These displaced 3,016 gas lamps, costing \$52,780. The Common Council has requested that 2,093 additional electric lights be put in use, displacing 5,345 gas lamps. The cost of these electric lights will be \$534,761.50 a year, while the gas lamps over the same area cost \$93,537.50. Should the additional electric lights be authorized, there will be on Manhattan Island 2,740 electric lights, costing \$700,070, and 13,085 gas lamps, costing \$232,986.50. As the cost of lighting the Twenty-third and Twenty-fourth wards is \$117,630, the entire cost of lighting the city would be \$1,050,686.50. Mr. McCormick says that it would not be wise to remove the gas lamps in areas covered by electric lights, as there might be emergencies that would compel the city to use gas. He has not discovered any advantage that the electric light possesses except instantaneous lighting. The Gas Commission is now considering proposals from gas and electric light companies for lighting streets and public buildings for the ensuing year.

A wonderful engineering exploit is proposed in Italy, where they talk of throwing a bridge over the Straits of Messina that separate Sicily from Italy. A place where the channel is 2½ miles wide and 361 deep is selected. Two piers will support a viaduct of rails 328 feet above the water.

A paper chimney fifty feet high has been erected at Breslau.

JUST PUBLISHED!

SKETCHES IN NOVA SCOTIA,

[No. 2.]

BY THE AUTHOR OF "WILL ELSON."
Price 10 Cents.

MORTON'S, 90 Granville Street

Sketch No. 3 will be of Lunenburg.

TO FARMERS.

LOBSTER GUANO.

This concentrated, powerful and valuable fertilizer is now shipped at \$27 per ton of 2000 lbs. ex barrels or half c. b. from wharf at Cape Canis. Orders for next season are booked from this date at the Halifax Agency, No. 67 Hollis Street. One ton of this Guano spread broadcast on a field with a sowing drill or otherwise, is equal in effect to fifty tons of common lobster waste, as now used, but has no pernicious emanation nor unpleasant odor. It being a fine, dry and soluble powder, its action and assimilation are immediate.
For further particulars apply to above address or P.O. Box 110.

TABLE D'HOTE

Every Day from 1 to 3.

Dishes served to order at short notice.
OYSTERS SERVED IN EVERY STYLE.
Choice Ales, Wines, Liquors and Cigars.Within 30 yards from Post Office and Dartmouth Ferry.
TERMS REASONABLE.

ICI ON PARLE FRANCAIS.

BRITISH AMERICAN HOTEL,

Water Street, Halifax.

D. BRUSSARD, } Proprietors.
C. ARCOIN, }

J. R. SITEMAN,

115 and 117 Upper Water Street,

OFFERS FOR SALE

200 bbls Baidel Rose FLOUR,
50 do Kent Mills do
100 do K. D. CORN MEAL,
25 do P. E. I-Land MESS PORK,
25 do do PRIME MESS,
20 do do JOWLS,
50 palls LARD,
500 bushels POTATOES.
Ship Stores put up at short notice.

STATIONERY! STATIONERY!

B. GLADWIN,

Has returned to the old stand,

90 GRANVILLE STREET,

vacated one night when the shop was on fire, and will be glad when you

CALL AND SEE HIM!

ALEX. MacDONALD,

Barrister, Attorney, Notary, &c.

134 Hollis Street,

HALIFAX, N. S.

VINEGAR! VINEGAR!

We have this day been appointed General Agents for Nova Scotia for E. & A. ROBITAILLE Quebec, the famous Eureka Vinegar Manufacturers, and will have a full stock of these established Vinegars continually on hand. Brands "Eureka" Crystal Pickling, Pure Malt, White Wine and Cider.
Patronage of the wholesale trade solicited.
GEO FORSYTH & CO.

The Purest Vinegar offered to the Public.
(Extract from Dominion government's official report on the adulteration of food.)
DEPARTMENT OF ISLAND REVENUE, 1883
VINEGAR.—I think it my duty to mention a sample which was of a remarkably pure quality. It came from the factory of E. & A. ROBITAILLE, of Quebec, and contained 8.23 of acetic acid. It is undoubtedly the best, the purest and most commendable Vinegar I ever came across.
(Signed) M. FISIT, M. D.

JUST RECEIVED.

Boys' Suits from \$1.25 upwards.
Infants' Robes, with Bonnet, \$2.25.
—ALSO—
Children's Dresses, Trous, Pinafores, Aprons, &c.
At
R. F. McCOLL'S,
232 Argyle Street North Colonial Market.

THOS. P. CONNOLLY,
CENTRAL BOOK STORE,
CORNER OF
George and Granville Streets.

The "CENTRAL" is always stocked with the fullest assortment of

BOOKS,

in all departments of Literature.

STATIONERY

Is our LEADING LINE, and in this department will be found the latest novelties.

FASHIONABLE STATIONERY

Is made a particular item.

SCHOOL BOOKS, BLANK BOOKS and
ROOM PAPER,
A large stock of each line always on hand.
THOS. P. CONNOLLY.

EYE, EAR and THROAT.

J. R. McLEAN,

Office—91 Hollis, Corner Salter Street,
Halifax, N. S.

CHEAP MUSIC BOOKS.

Song Folio, Folio of Music, Superb Songs,
Ripples of Melody, Song World Victoria Music
Books, etc., etc.

J. W. DOLEY,
143 Argyle Street, Halifax, N.S.

W. H. FRY,

262 South Street,

TEACHER PHONOGRAPHY.

Lessons by Mail.

W. W. Howell & Co.

MACHINISTS,

Manufacturers of

Steam Engines, Pumps,
Mill Machinery,
Shafting, Pulleys, etc.

121 to 125 Lower Water St.,
HALIFAX, N. S.THE CLUB RESTAURANT,
Granville Street,

Next Door to Herald Office.

Most Central and Convenient Lunch
Rooms in the City.
ENGLISH ALE, DOMESTIC ALE,
AND NEW YORK LAGER.

Keep only
one Quality **THE BEST!**

C. S. DEFREYTAGS, Prop'r, Halifax.

JOHN BOWEN,

Book & Job Printer,
Queen Buildings, (2nd Floor),
CORNER HOLLIS and PRINCE STS.,
HALIFAX, N. S.

All descriptions of Mercantile, Insurance and
Law Printing executed with care and despatch.
Orders from the country will receive prompt
attention. Address as above.
VISITING CARDS, Ladies or Gent's, neatly
Printed on best thin Ivory Card, at 50c. per pack of 50.