

# WRITING ON CLOUDS.

### THE EXPERIENCE PRACTICALLY TRIED IN ENGLAND.

American Electricians Regard the Proposed Methods of Advertising as Entirely Feasible-The Search Light Simply a Stereopticon on a Large Scale.

The feat of "writing on the clouds"

The feat of "writing on the clouds" has become an accomplished fact. In other words, a successful attempt has been made in England by Capt. Ronald Scott to adapt the "search-light" ap-paratus to advertising purposes. A private view was given a short time ago at the Acton Hill electrical works of what, it is expected, will probably soon be all over London. The night for the experiments unfortunately was ab-solutely clear, and the rays of the search light could not, of course, be thrown on light could not, of course, be thrown on any clouds. The practicability of the scheme, however, was demonstrated by directing the search-light on a cloud of steam and on other material objects, such as a bank of trees, a house wall, and the grass lawn, and in each case the words

STOOD OUT CLEARLY AND WELL DEFINED in letters of light. The words even at a distance of fully half a mile did not appear to lose any of their distinctness. A curious effect was produced on dir-ecting the beam of light on a cloud of steam, the letters being repeated again and again, one behind the other, and increasing in size as each puff of steam drifted away.

Sydney Hodges of Ealing, England, has also succeeded in projecting a large and highly-luminous letter on the clouds by means of an invention of his own. The application of the electric light for this purpose was witnessed by himself, a Colonel of the Royal Engineers, and an assistant engineer of the electrical works at the Horticultural Exhibition.

Interesting expressions of opinion on the subject of these experiments have been obtained by a Times reporter from several well-known electrical experts of this city.

"The thing is entirely feasible," said E. H. Johnson, president of the Interior Conduit and Insulating Company, "by virtue of the fact that the lines of light projected from these powerful reflectors are so well defined and do not become diffused until they reach a great distance, You must have, of course, a cloudy night and certain proximity of the clouds to the earth, because at too great a distance the words would be illegible and at too close a distance they would be presented to the view of a comparatively small circle of people. The whole thing is simply a stereopticon on a large scale, with a light sufficiently intense and focused to reach the cloud canvas at a proportionately great distance. The subject is entirely new to me, but the applications of electricity nowadays are so diverse that I don't believe the electrician lives who is familiar with everything that is being done. Expert Schuyler S. Wheeler also declared that advertising on the clouds was perfectly practicable. "You have no-ticed, of course," Mr. Wheeler con-tinued, "that the clouds over the city will reflect at night a red glare, and so anything that offers resistance to the transmission of light will develop it so that you can see it. The search light on the tower of the Madison Square Garden for instance, shows much more clearly on a cloudy night than on a clear one. You have noticed also that if you're sitting in a room in which there is dust in the air, if a ray of light comes in through the blind it is at once visible, while if the air was perfectly clear the light would hardly be perceptible. The object in this use of the search light is put on a sheet of glass, leaving the parts representing the picture clear, and making the rest black, so that it will let out the light in the shape of the picture and in the colors of the picture also. The preparation of the apparatus would be exactly the same as that of a lantern slide, except on a much larger scale, unless special lenses were used. There is nothing novel in the principle of the thing, although similar experiments have never been made in this country. It is simply a very powerful magic lantern, and using the clouds in-stead of a sheet. By the use of the search light you could have dissolving figures on the clouds, giants fighting each other in the sky, for instance, or you could put up election figures that could be read twenty miles away. Prof. F. B. Crooker, of Columbia College said there was no doubt of the fact that a powerful search light, working on the principle of the magic lantern, would make an image on the clouds that would be visible. There is no theoretical or practical reason why it should not be done," the Professor continued. "It would be a very striking application of the electric light on a large scale, and would be very effective as an advertising agency. There is no obstacle in the way of using the search light for advertising on the clouds. except the distance of the clouds from the earth and the particular kind of clouds to have-clouds of a certain form and character, and at infantum, cholera morbus, canker, etc., in work. a certain distance from the earth. At children or adults. a very great distance it would be difficult to illuminate them, and if they were too near. the illumination would not show over a sufficiently wide area. "Search lights can be made to give a strong illumination at a distance of a mile, or even more. Search lights can be seen twenty miles or more if thrown Swayns's OINTMENT. Lyman Sons & Co., Mont-

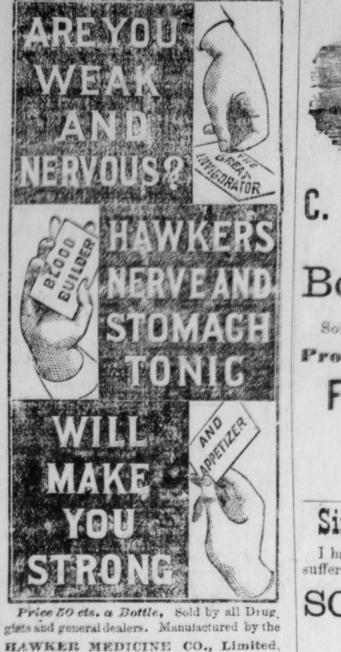
peak a mile and three-quarters high. Observations taken from Fogo would be particularly valuable, because it lies near the Tropic and on the parallel where most of the important cyclones that traverse the Atlantic are generated. The ob-servatories will be equipped with instru-ments for noting the first appearance, nature and progress of disturbances, and the intelligence thus secured will be transmitted to the mainland in time to give warning of coming storms. In this way the destruction of shipping along the coasts by unexpected hurricanes will be to a great extent prevented.

The fact is interesting to contemplate that, if the entire surface of the earth were made level, the whole globe would be covered with water to the depth of two miles. The average depth of the ocean at present is about three miles. Perhaps the best way to get a notion of what such a depth signifies is to think of a place three miles distant on the surface of the earth and to imagine the horizontal line connecting one's self with that place swung downward to the perpendicular. The deepest hole in any of the oceans is found just east of Japan, where the bottom sinks to the depth of five and a quarter miles below the surface. The voyagers on the expedi-tion of the Challenger found that it took an hour and a quarter for the heavy sounding weight to sink to the bottom of this mighty ocean.-Rene Bache, cor, Boston Transcript.

#### Europe's Military Forces.

Mr. Labouchere said the other day in Truth that Europe would shortly have at her disposal at least twenty million trained soldiers. The assertion was disputed, but it turns out to have been an understatement of the truth. The official data relating to the growth of Euro-pean armies are set forth in a pamphlet which has just been published in Paris byCapt. Molard of St. Cyr Military School. DRS. SOMERS & DOHERTY,

It appears that in 1870 the regular soldiers and militia of France nominally amounted to 1,330,000 men, but, as is well known, only a fraction of these could be promptly mobilized and turned to account against the Germans. On paper Germany had a slightly smaller force, namely, 1,300,000, but proportion-ally a much larger could be at once placed in the field. At the same epoch the military establishment of Russia comprised 1,100.000 soldiers. that of 95,000. Including England, Spain, Portugal, Denmark, Sweden, Norway, and the Balkan States, for which details are





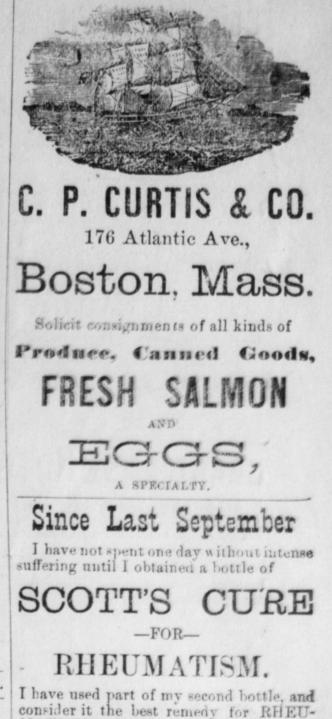
St. John. N. B.

For Sale at SHORT'S DRUG STORE

#### DENTISTS

Office-Y. M. C. A. building, Moncton. Austria 750,000, that of Italy 570,000, Switzerland had 150,000, and Belgium tal Surgery, and University of Pennsylvania.

Visits will be made to Kent County every month. Weldford on 16th, 17th not given, the whole of Europe in 1870 and 18th. Kingston on 19th, 20th, 21st



MATISM ever discovered. I would recommend any one to try it who suffers as I did-I was unable to work, or even walk, and now enjoy better health than T Yours truly, have for years.

E. B. GREEN, Oity Road, St. John. Scott's Cure is prepared in Canada only by W. C. RUDMAN ALLAN, Chemist and Druggist,

King Street (West), St. John, N. B. For sale by all Retail Druggists.

Price 50 cents a bottle: 6 bottles \$2.50. Wholesale by Messrs. T. B. Barker & Sons and S. McDiarmid, St. John, N. B. Messrs. Brown & Webb, Simson Bros. & Co., Forsythe, Sutcliffe & Co., Halifax, N.



# English House Coal. Blacksmith's Coal

SHINGLES, DEALS, BOARDS AND SCANTLING, PITCH-PINE, HARDWOOD, LATHS, etc.

Kingston, Kent County, N. B.

## GREAT BARGAINS IN ALL LINES OF

## GENERAL MERCHANDISE

UNTIL AFTER CHRISTMAS

As this is a genuine offer don't fail to call, but come and be convinced that Buctouche is the place to get a Bargain in

DRY GOODS, BOOTS AND SHOES,

A FINE CARRIAGE WRAP, SLEIGH ROBE, or any line of goods kept in a General Merchandise establishment. BUCTOUCHE, N. B. J. A. IRVING, . . .

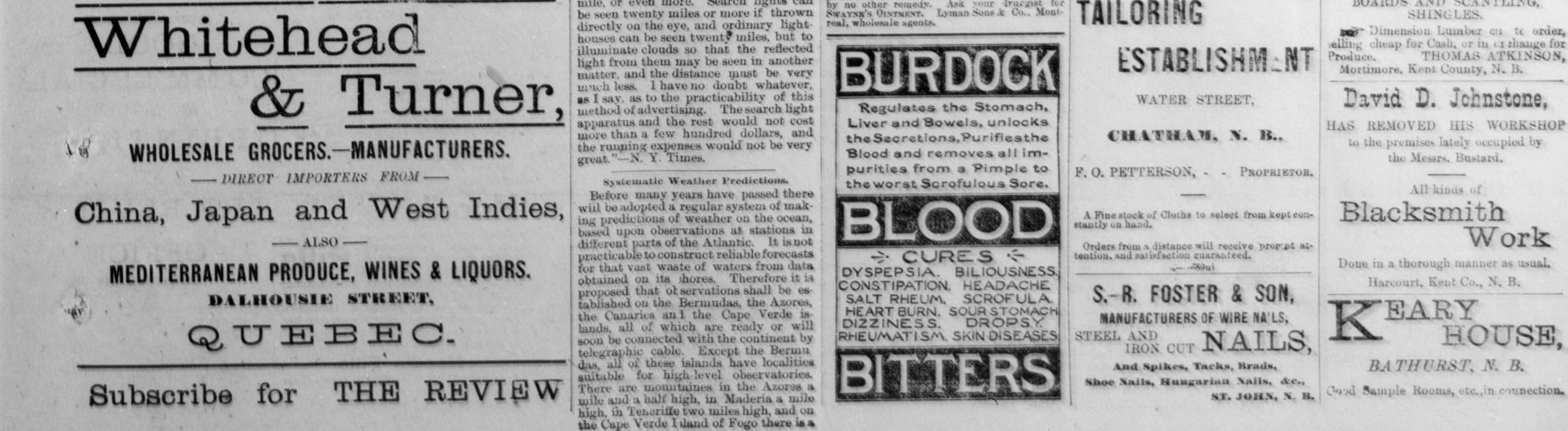
Millers' Tanning Extract Co. (LIMITED).

-WORKS AT-

# Millerton and Mortimore, N. B.

Cable Addresses-" Hypotan," London ; and " Miller," Miramichi.

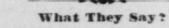
A very complete stock of General Goods, cheap for Cash or Trade, at OUR MORTIMORE STORE.



could, at the utmost, put 7,000,000 men in active service. What is the situation to-day? In 1892

the French army had risen to 2,500,000; the Russian to 2,451,000; the German to 2,417,000; the Italian, which now occu-Marble Works, pies the fourth place, to 1,514,000; the Austrian to 1,050,000; the Swiss to 212, 000, and the Belgian to 128,000. In most of these countries the expenditure for military purposes has more than Cemetery work of every description neatly ex ecuted. Orders promptly filled. doubled since 1869, and in Switzerland the increase has been much greater. Viewed collectively, Europe now spends more than a thousand millions of dollars annually on her fighting force, which already amounts to 12,5000,000.

Such figures, however, give but an imperfect idea of the state of things which will presently exist as soon as the new military laws shall have come into full effect. Then the German army will comprise 5,000,000 men; the French, 4,350,000; the Russian, 4,000,000; the Italian, 2,236,000: the Austrian, 1,900,-000: the Swiss, 489,000, and the Belgian, 258,000. Altogether Europe will be able to dispose of not less than 22,000,000 soldiers, or 15,000,000 more than she had in 1869. Such is the price which she has to pay for Germany's seizure of Alsace-Lorraine. It is at least possible that her fighting force might be cut down by two-thirds to-morrow were those provinces restored to France.



In popularity increasing. In fact, the best remedy for all summer complaints, diarrhea, dysentery, cramps, colic, cholera infantum, etc., is Dr. Fowler's Extract of Wild Strawberry. All medicine dealers sell it.

K. D. C. cleanses the stomach and sweetens the breath. Try it? Free sample, guarantee and testimonials sent to any address. K. D. C. Company, Ltd., New Glasgow, N. S. or 127 State St. Boston, Mass.

## Piles! Piles! Itching Piles. SYMPTOMS-Moisture; intense itching and stinging; most at night; worse by scratching. If allowed to continue tumors form, which often bleed and ulcerate, becoming very sore. SWAYNE'S DINTMENT stops the itching and bleeding, heals At druggists, or by mail, for 50 cents. Dr. Swayne & Son, Philadelphia. Lyman Sons & Co., Monteal. wholesale agents.

### Mothers and Nurses,

All who have the care of children should know that Dr. Fowler's Extract of Wild Strawberry may be confidently depended on to cure all summer complaints, diarrhœa, dysentery, cramps, colic, cholera

- 400 -"How to Cure all Skin Diseases,"

Simply apply "SWAYNE'S OINTMENT." No in-ternal medic ne required. Oures tetter, eczema, itch, all eruptions on the face, hands, nose, &c., itch, all eruptions on the face, main healthy. Its leaving the skin clear, white and healthy.

and 22nd. Richibucto on 23rd and 24th. Buctouche 26th and 27th.

WESTMORLAND

T. F. SHERARD & SON,

Dealers in Monuments, Tablets, Headstones.

MONCTON, N. B. (aug31ui)

Andrew Dunn,

DEALER IN

Lumber, Railway Ties, Hemlock Bark, Dry Goods, and General Groceries, Flour, etc.

Hay and Feed,

KING STREET,

Weldford Station, I. C. R.

Thos. L. Bourke.

IMPORTER AND WHILESALE

WINE & SPIRIT

MERCHANT.

11, 13 AND 25 WATER STREET,

ST. JOHN, N. B.

IMPORTERS AND JOBBERS OF

**BRITISH. FOREIGN and** 

DOMESTIC

TEAS, &c.,

NOTICE

Having refitted the old stand lately oc-

upied by James Wry, Kingston, I am

prepared to attend to all kinds of carriage

First-Class

GEO. W. WILSON.

Painting a speciality.

S. HAYWARD,

Goods,

ST. JOHN, N. B

PITFIELD & CO.

Special Partner.

W. C. PITFIELD.

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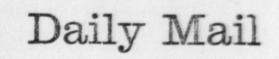
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W.

Jeneral Partner.

CANTERBURY STREET,

; Messrs. Kerry, Watson & Co., Montreal: T. Milburn & Co., Lyman Bros. & Co., Toronto; London Drug Co., London, Ont.



And Passenger Stage leaves Weldford Sta . tion, I. C. R., for Ricaibucto, via Bass River and Kingston, on arrival of the St. John, Halifax and Quebec express trains. Suudays excepted.

Returning-leaves Richibucto at 4.00 p. m., local, and arrives at Weldford Station in time to connect with night expreess trains going North and South. Fare, \$1.50.

Good Livery Stabe in connection.

L. J. WATHEN,

King St., Weldford, I. C. R., Kent County

LeBlanc Hotel. Duke St., Opposite Post Office. MONCTON. T. B. LeBLANC, - - - Proprietor.

Good Stabling in connection.

FOR SALE or TO LET

I am prepared to sell or to let my house and property on Main Street, Richibucto. The house is large and comfortable, and would make a desirable residence for any one wishing the same. Terms given on application.

C. RICHARDSON.



WHOLESALE COMMISSION FISH DEALER. 106 FULTON MARKET,

### NEW WOREN.

Bank Reference furnished when desired. Consignments solicited. Stencils furnished at a moment's notice.

LUMBER!

I have on hand at my Mill, situated within a few yards of the Intercolonial Railway, a quantity of

Pine. Spruce and Hemlock BOARDS AND SCANTLING. SHINGLES.