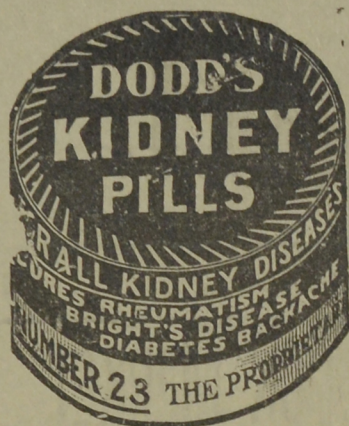


Utilizing Nile Power

It is understood that the Egyptian Irrigation department proposes to utilize the water which flows through the great Assuan dam for the generation of electric power. For about five months in the late autumn and winter the water is accumulated in the reservoir formed by the dam, and what is allowed to pass the sluices flows through under a large head. It would be possible to develop over 150,000 horsepower. The electrical energy generated is to be employed in the production of chemical fertilizers by the fixation of atmospheric nitrogen. In a year Egypt spent \$3,250,000 on such fertilizers, 55,000 tons out of the 70,000 tons imported being nitrate.

SPOTS ON THE SUN
CAUSE TORNADOES

Sun Spots Bring Changes of Temperatures Which Often Mean Storms on the Earth

Investigations at the Santa Clara University, California have proven to the satisfaction of weather experts that sun spots are responsible for great storms on this globe. They cause changes of temperature which affect the earth's atmosphere where it is most sensitive—at the equator and the poles. This, in turn, starts a whirl of air that develops in speed—and you have a great storm.

A sun spot has instant effect on two currents of air or whirls in the air, one from the north pole going south and one from the equator going north. The storm is the battle between these two currents when they meet. That battle may take place so high in the air that there is little or no effect felt on the surface of the earth. Or they may meet on a battle plain near to us and a violent storm—generally of tornado tendencies—ensues.

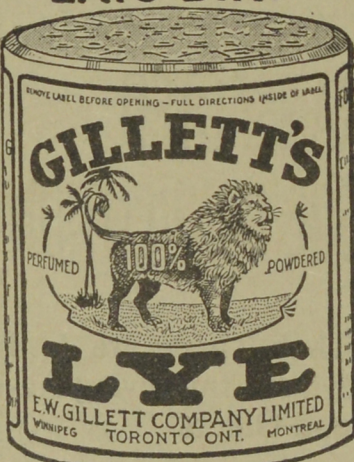
There are two general storm paths in the world—one north and the other south of the equator. The northern path starts at the equator and moves northward so long as it remains south of the 30th parallel. Once across this line it turns and travels northeast until it spends itself or reaches the polar regions. The same condition holds good with the southern path, except that the original direction is southeast and the change is to the southwest.

Sunspots having started air whirls from both ends of the path, the tendency of the southern whirl, being warmer, is to rise and of the northern whirl to say close to the surface. If the northern current is thick enough as it usually is in the winter time, the effect of the southern current will be lost. Anything that will send the southern current higher into the air will shield the country directly in front of it from the violence of the change of atmosphere it causes. Thus a mountain range will sometimes shoot the disturbing element so high that while a severe storm will take place on one side of the mountains, the other side is not affected at all.

A long stretch of flat country, however, will permit this southern current to settle down, if it happens to be very heavy, and so get closer to the earth. This explains the tornadoes and blizzards which occur in Manitoba and Saskatchewan.

The great lakes serve as a deflector of the currents in this country because of the excess of moisture in the air over these great bodies of water and the consequent heaviness of the atmosphere at these points. For that reason the storms on the lakes are greater and more frequent in winter than in summer because the northern current, which freezes and removes this moisture, has the easier time. The southern current being warmer and lighter naturally passes over the lakes at a high altitude, although, of course, it sometimes creates big disturbances.

There are exceptions to these conditions, of course. These are caused by purely local disturbances of the atmosphere which must be reckoned with to produce certain effects—which might change entirely the character of the effect of the battle of the upper air currents for supremacy, causing a severe storm or no storm at all.

GILLETT'S LYE
EATS DIRTPAIN IN MY BACK
IS ALL GONE

Since I Got a Box of Gin Pills

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"About a year ago, I was suffering so much with a dreadful Lame Back and Hips, that I could not stand up straight. I was informed by a friend about GIN PILLS. I got a box. It helped me immediately. I have taken about twelve boxes and the pains in my back and hips are all gone. I cannot speak too highly of the wonderful effects of your GIN PILLS."

B. C. DAVID.

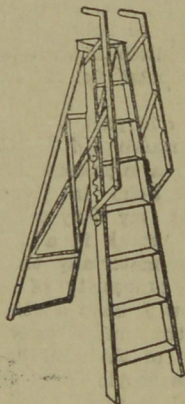
Liniments and plasters won't cure Lame Back—because they never reach the part that is causing the pain. The whole trouble is with the Kidneys and you must cure the Kidneys in order to stop the pain. GIN PILLS cure weak, sick, strained Kidneys as nothing else will. GIN PILLS drive away the pain every time—or your money promptly refunded. 50c. a box, 6 for \$2.50. Sample free if you write National Drug & Chemical Co. of Canada, Limited, Toronto. MANGA-TONE BLOOD AND NERVE TABLETS help pale, nervous women to get well. 50c. a box. 199



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Give Person Sure Footing in Ascending to Top Steps

People who have had occasion to use tall stepladders know how difficult it sometimes is to keep their footing in ascending to the top steps, particularly if they have a bucket or some other burden in one hand. A pair of hand rails effectively overcomes this. Along the upper part of the sides of the ladder are attachments, on each of which swinging arms are pivoted. To these arms, 1/4 turn, railings are pivoted so that when needed the rail-



FOLD UP ALONG LADDER'S SIDE

ings can be pulled out to form a guide and support to a person ascending the steps, and when not needed they can be folded in along the sides of the ladder. Painters or paperhangers will find this attachment a great help and need not worry about a tumble. Housemaids, too, will be able to climb to the top of the ladder and wipe the ceiling without any further excuse.

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CHAS. A. SAMPSON,
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Property for Sale

The subscriber offers for sale the two storey brick building on Queen street, opposite the Queen Hotel and now occupied by the Fredericton and Grand Lake Railway Company. It is well adapted for offices, containing four well lighted rooms, two vaults, lavatory, etc. The lot is freehold and the building is in good repair. For particulars apply to
W. T. WHITEHEAD,
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356—2 weeks.

For Sale

FOR SALE—General Store Business on Broadway. Best locality in town. Business been established thirty-four years. (James F. McCluskey stand.) For particulars inquire
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FIFTEEN DOLLARS WEEKLY AND EXPENSES for trustworthy man or woman to act as Traveling Representative. Rapid promotion. Previous experience unnecessary. Commence in home territory. Winston Co., Limited, Toronto, Ont.
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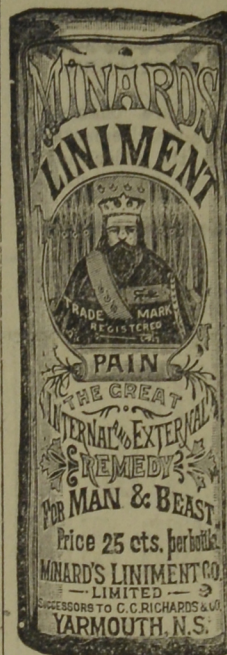
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Summer Time Table Summary
Commencing Monday, June 9

GOING WEST

Express trains leaves Campbellton daily (except Sunday) at 8.00 a. m. for St. Leonards and intermediate stations, due at St. Leonards at 12.30 p. m.

GOING EAST

Express train leaves St. Leonards daily (except Sunday) at 4.45 p. m. after arrival of C. P. R. express from St. John, Vancoboro, etc., due at Campbellton at 9.15 p. m.

And in addition to above and to the ordinary freight trains, there is also a regular ACCOMMODATION TRAIN carrying passengers and freight, running each way on alternate days as follows, viz.: Going West—Leaves Campbellton at 8.30 a. m. for St. Leonards and intermediate stations, Monday, Wednesday and Friday, due at St. Leonards at 4.10 p. m.

Going East—Leaving St. Leonards at 8.00 a. m. for Campbellton, etc., Tuesday, Thursday and Saturday, due at Campbellton at 4.15 p. m.

Governed by Atlantic standard Time.

See local time tables and for full information regarding connections, etc., apply to R. Humphrey, freight and passenger agent, 55 Canterbury Street, St. John.

E. H. ANDERSON, Manager.
A. A. ANDREW, Traffic Mgr.
THOMAS MALCOLM, Gen. Mgr.
Campbellton, N. B.

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