

A WARNING TO FARMERS AGAINST TRAP-LANTERNS.

Catch Friends as Well as Enemies.

Department of Agriculture, Ottawa, Aug. 15, 1902.—Trap lanterns as destroyers of insect pests have been recently much discussed in the northern and western portions of Canada, and by the most persistent and often unscrupulous advertising a certain "moth catcher" has been forced into undue prominence, so that thousands of fruit-growers and farmers have been induced to buy in spite of the protest of those who have thoroughly and scientifically tested such devices. So important has this matter become that the entomological division of Cornell University has issued the result of experiments carried on with trap-lanterns during three years, containing in substance the following points:

Many kinds of insects are most active at night and are then often attracted to any light, but there are hosts of insects that fly mostly in the daytime. Most of the grasshoppers, many of the true bugs (like the squash, stink bug), all of the butterflies (like the very destructive cabbage butterfly), many of the moths (like the peach tree borer moth) and of the beetles (like the Colorado potato beetle), most of the flies (like the house fly), and many of the hymenoptera (like the sawflies), are day fliers or are not attracted to lights; and these include a large proportion of our common insect pests.

While a trap lantern or "moth catcher" may attract and kill ten or twenty thousand insects in a season, most of the household pests, most of the fruit-growers' insect enemies, and nearly all the serious pests of the gardener or grower of general field crops will fall to be trapped. Only winged adult insects are caught, the more destructive nymphs and larvae are never taken. Usually moths will constitute about half of the insects caught in trap lanterns, and most of these are not pests, only ten per cent. of those that are injurious are females, and these have nearly all laid their eggs. Often as many friends as foes among the beetles will be taken. Nearly one-third of all the insects caught in three months in two "moth-catchers" in Canada, were beneficial, and nearly as many friends as foes were caught in the trap-lanterns. As one of these persistent insect friends

is capable of killing several injurious insects, the prospect of capturing so many beneficial insects becomes a serious factor in considering the advisability of using trap-lanterns. It is not so much a question of how many insects of what kind of insects will be captured.

Experience shows an orchardist or a grower of small fruits has no use for a trap lantern or a "moth catcher," because they will not catch enough of the more injurious insects to pay one-tenth of the trouble and expense of running them. Tent-caterpillar moths are the only common fruit insects that are caught in trap lanterns, and nine-tenths of these will be males. Coddling-moths are not attracted by lights, and only rarely one accidentally falls a victim. The highest record in the Cornell experiments thus far has been eight coddling-moths in fifteen nights. The wingless female coddling-worm moths will not crawl into "moth-catchers," and the lights do not attract the two kinds of apple-borer beetles, the peach-borer moth, plum curculion or the saw-flies of the currant-worm or pear slug.

As trap lanterns can have no effect upon fungus diseases, they can never take the place of the spray pump and Bordeaux mixture. Experience has shown that several trap-lanterns, set very near every tree in an orchard, will not noticeably reduce the number of wormy apples, or diminish the number of hungry caterpillars feeding on the buds and leaves.

There are instances in which trap-lanterns may prove useful, such as where some light loving insect becomes a pest in greenhouses, or in the case of some local pest whose period of flight is sharply defined and of short duration. But no one has yet conclusively demonstrated that any insect-pest cannot be more effectively and cheaply controlled by the use of "moth-catchers" or trap-lanterns.

The outcome of all the experiments made everywhere renders it doubtful if these aids help enough in our struggle with insect pests to warrant their certain use of using them, while they certainly do not warrant anyone in recommending their use, even passively permitting it, without protest.

Doctors

and people agree that Scott's Emulsion of cod-liver oil is the best thing to take for "don't feel well and don't know why," especially babies—they like it—men and women don't mind it, but babies actually enjoy it.

SEEK FOR FREE SAMPLE AND TRY IT. SCOTT & BOWNE, CHEMISTS, TORONTO, 100 KING ST. W.

Still Had Hope.

Barber—Will you have anything on your face when I have finished, sir?
Victim—I do not know. But I hope you'll leave my nose, at least.

Stops the Cough and Works Off the Cold.

Laxative Bromo Quinine Tablets cure a cold in one day. No cure. No pay. Price 25 cents.

Cured Them of a Bad Habit.

A minister in a near-by town on a recent Sunday surprised his audience by reading the following notice from the Dupuy: "The regular session of the Doukey Club will be held as usual after the service. Members will line up just outside the door, make remarks and stare at the ladies who pass as in their custom." But they didn't that Sunday.

Minard's Liniment Cures Garget in Cows.

Know the Signs.

It is really a dangerous thing for a single man to begin to chirk up in the matter of dress and in the jangling up of his bachelor home.

"He's going to be married; I'm positive," said one woman, as the man under consideration was spoken of in his laying a new sidewalk in front of his house.

"Indeed," said the doubtful one, "Yes, and he has a new carriage and a Panama hat."

The girl who had been listening ward said a ringing laugh and afterward she reported the cards having been sent out if she knew that he bought a new hammock yesterday.

Minard's Liniment Cures Distemper.

Why His Wife Squeaked.

"Good story they got out about the professor, hey?"
"What's the matter, did he forget again?"
"Naw, better than that. His wife got up the other morning, and was slipping her shoe on, when she gave a little shriek."
"What's the matter?" he asked.
"Why, I was putting my shoe on and a snake slipped out of it," she cried.

"Only one?" said the professor.
"Why, there should have been three. I put them there last night to keep them warm."

New York Central and Hudson River Railroad.

The above name is a household word and of great popularity. It is the best road to travel to attract most people, but now that the rate is the same to New York and points east as by other lines no suggestion of recommendation should be made. Everybody will tell you it is the best.

He Knew.

Teacher—What is a blotter, Tom?
Tommy—It's something to hunt while the ink gets dry.—Los Angeles Herald.

Minard's Liniment cures Diphtheria.

Names Famous in Canada.

An engagement of great social importance for that of Mrs. Dudley Carleton, only son of Lady Dorchester, a peeress in her own right, and Miss Violet Monckton, only daughter of Lord and Lady Galway. This young lady is a heiress of some importance, as she was left money and landed property by her father, the late Mr. Gosling; and is the daughter of Busbridge Hall, near Godalming, a fine place, which has recently been retitled by Mr. and Mrs. Cavendish Bentinck. Miss Monckton is an attractive girl, with fair share of good looks, fond of dancing in London and of walking, driving and hunting in the country. Her father, Lord Galway, is a rich man, and his state coach would have been one of the most splendid at the coronation.—M. A. P.

Be sure you get the kind you have always had.—Owing to the great popularity of the D. & L. Menthol Plaster, unscrupulous makers are putting out one like it. For rheumatism, neuralgia, &c., nothing better. Made only by Davis & Lawrence Co., Ltd.

Century's Greatest Work.

Many of the most eminent Germans were recently asked to express their opinion as to what was the greatest work of the last century; and their answers, when classified, showed that the majority attached the greatest importance to the following achievements:

1. The establishment of the German Empire.
2. The proclamation of the rights of man.
3. The discovery of steam as a motive power.
4. Applied electricity.
5. The discovery of narcotics and of antisepsis.
6. The promulgation of the law of conservation of energy.
7. The discovery of Darwin.
8. The discovery of the modern scientific method of judging things, which is based on exact observations.
9. The discovery of the spectral analysis.
10. The discovery of the X rays.
11. Beethoven's ninth symphony.
12. The second part of "Faust."
13. The Convention at Geneva.
14. The primary school and compulsory education.
15. The movement in favor of woman's rights.
16. The exploration of Africa by Europeans.

Seddon's Nationality.

Mr. Seddon, New Zealand's famous Premier, is a Scotchman. He is connected with Angus, Dumfriesshire, on the maternal side, and on visiting that town the other day the Town Council conferred the freedom of the burgh upon him.

SALOONS AND DRUNKENNESS

Disparities in Statistics of Arrests Made in Various Large Cities.

The number of saloons in a city does not bear any close relation to the amount of drunkenness in it, or at least the number of arrests for drunkenness.

New York, with double the population of Chicago and 50 per cent. more saloons has fewer arrests for drunkenness in a year than the big city on Lake Michigan. Baltimore has more than twice as many saloons as Boston, while Boston has seven times as many arrests for drunkenness in a year as does Baltimore.

San Francisco has 50 per cent. more saloons than St. Louis, but three times as many arrests. Indianapolis has more saloons than Paterson, but the number of arrests for drunkenness is 20 per cent. greater in Paterson than in Indianapolis.

Cleveland and Cincinnati have about the same number of saloons, but the arrests for drunkenness, which are 2,000 annually in Cincinnati, are 7,000 in Cleveland. Buffalo and Philadelphia have about the same number of saloons, but the arrests for drunkenness in Philadelphia are four times as many as those in Buffalo.

Washington has 500 saloons and Milwaukee has 1,700, but while arrests for drunkenness in Washington average 3,200 yearly, in Milwaukee they are only 1,600. Worcester, Mass., with 70 saloons, has 2,000 arrests in a year for drunkenness, and Detroit, with 900 saloons, the same number.

The explanation of these disparities is to be found probably in the fact that in the cities where there is an unusual number of saloons they are mostly for the sale of lager beer, whereas in the cities with few saloons more whiskey is sold.—N. Y. Sun.

A BOON TO HORSEMEN.

One bottle of English Spavin Liniment completely removed a curb from my horse. I can now recommend the remedy, as it acts with marvelous celerity in the removal from spavin, splints, curbs, swellings, stifles and sprains.

GEORGE BOBB, Farmer, Markham, Ont. Sold by all druggists.

Advice Sought.

"You should be thrifty and lay something aside for a rainy day," said the man who gives advice ad libitum.

"Mister," said the Kansas farmer, "you talk like a blame theorist. What we people need is to lay something aside against a drought."—Washington Star.

Monkey Brand Soap cleans kitchen utensils, steel, iron and tinware, knives and forks, and all kinds of cutlery.

Plain.

Parke—After all, sir, the extreme simplicity of our American institutions must commend itself to every one.

Lane—I know it. Half the time we're without a cook.—Harper's Bazar.

Minard's Liniment Cures Colds, etc.

Two Butterflies Courting.

There is no prettier sight than that of two butterflies courting. The aerial flights and evolutions are a mere beginning—a sort of preliminary flirtation. The serious part of the business begins when the butterflies are at rest. The male, which is usually the more brilliantly colored of the two, spreads up his position on a stone or the trunk of a tree, and expands his wings in the sunshine so as to show them to the greatest advantage. The lady, at first, after the manner of her sex, disdains to notice them, or to seem to notice them. Gradually, however, she comes nearer and nearer, walks round and round her lover, loses her heart to him, hesitates, and is lost.

To Right of Privacy.

Of course the majority rules, and that decision is now law in New York; but the Post believes the three dissenting judges were right, and that the decision will ultimately be set aside. If it be lawful to use, without her consent, the picture of a woman on a flour barrel, why would it not be equally lawful to use the pictures of Judges, Bishops, governors or even Presidents on beer barrels? Brewing is as lawful an industry as milling. The so-called right of privacy might be invaded, under this decision, to the annoyance and injury of unoffending men and women. Other States will follow this New York precedent.—Washington Post.

A Useful Novelty.

A Canadian firm recently placed with the Montreal and Toronto newspapers an advertisement of a new nursing bottle it had patented, and was about to place on the market. After giving directions for use, the "ad." ended in this manner:

"When the baby is done drinking, it must be uncorked and laid in a cool place under a tap. If the baby does not thrive on fresh milk, it should be boiled."—Philadelphia Times.

TO CURE A COLD IN ONE DAY

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature is on each box. 25c.

What frayed your linen? Not Sunlight Soap—No, indeed!

SUNLIGHT SOAP

REDUCES EXPENSE

Ask for the Octagon Mark

INEQUALITY ALWAYS.

A Dead Level of Rewards Not to be Desired.

It is a great law of nature, from which there is no escape, that "by the sweat of the brow we must earn our bread."

Bellamy's beautiful dream, "Looking Backward," is simply a dream, as impracticable and impossible as the stories of Jules Verne, "The Arabian Nights," or "Sinbad the Sailor."

Some must study law, medicine, finance, and a thousand things on which human happiness depends, and some must work in the coal mines or every furnace fire in the country would be extinguished, every manufacturing industry end, and we should relapse into barbarism.

It will never be possible to make the wages of all men the same.

The man who works ten hours will earn more than his equal who works only five—the strong more than the weak—the well more than the sick—the industrious more than the lazy; and the man who in youth lives economically and saves his money will probably have in old age more than he who spends and saves nothing.

Quick chaos, in the long run, he will be able to prevent capital from employing whoever capital sees fit to employ, and capital will always be compelled to support labor, whether at work or idle.

Every city and town must support its poor, and capital must pay the bills.

Anarchically attempting to run our banks, railroads, factories and great commercial industries, would bring quick chaos, destruction and ruin, not only to capital, but to labor—George T. Angell, in "Our Dumb Animals."

Children are in danger in our fierce summer, when cholera, morbus and other bowel troubles are rampant. Save your little ones by giving them Perry Davis' Painkiller. Plain directions will be found on each bottle.

Kitchener and Kerry.

Kitchener is undoubtedly English by blood, and yet it was something that he was born in Kerry, and that he spent many of his early years there. Kerry is a county where the peasants are all gentlemen and ladies in bearing, in manner, in thought and in feeling. Soft as their own skies—gentle, friendly, courteous—they probably taught to the tall and lanky stripling who roved over their mountains something of the flexibility which has proved the turning-point in every moment in his history and in that of his country.—M. A. P.

\$100 REWARD, \$100.

The readers of this paper will be pleased to learn that there is a new and improved method of curing all diseases of the throat and that is Catarrh. Hall's Catarrh Cure is the only positive cure now known. It is a medical preparation, Catarrh, being a constitutional disease, requires a constitutional remedy, acting directly upon the blood and the constitution of the system, thereby destroying the fountain of disease, and giving the patient strength by building up the constitution. The proprietors have done their work. The cure is a sure one. Send for list of testimonials.

Address F. J. CHENEY & CO., Toledo, O. Sold by druggists. 75c. Hall's Family Pills are the best.

Don't Clean Silver

or other bright metals with any "ELECTRIC POLISHING FIBRE" the new chemically prepared self-polishing cloth. Nothing to use but the cloth. No soiled hands, saves time and labor; easiest to use. Price 25 cents at drug and notion dealers. By mail from MONARCH MFG. CO., St. Catharines, Ont. Write for free samples.

NO NUMBING

Dr. Chase's Ointment

Dr. Chase's Ointment is a certain and absolute cure for itching, bleeding and protruding piles. The manufacturers have guaranteed it. Send testimonials in the daily news and ask your neighbors what they think of it. You can use it and your money back if not cured. 50c a box, at all dealers or E. W. GROVE, BATES & CO., Toronto.

Mrs. Winslow's Soothing Syrup should always be used for Children's Croup, whooping cough, sore throat, croup, croup, croup and is the best remedy for Diarrhoea.

Keep Your Eye On

THE GREAT EYE REMEDY. Do your eyes itch, water, tire, or are your eyes over-worked, sore, red, misty, or OPENE. No remedy for the eye so good. Easy to apply. Not injurious. Guaranteed as represented. All correspondence receives prompt attention. Mailed anywhere on receipt of 50c per bottle.

The E. B. EDDY CO., Limited

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TRINITY COLLEGE, Residence for MEN ST. HILARY'S COLLEGE, Residence for WOMEN For all information address T. C. STREET MACKLEM, M.A., LL.D.

MANUAL TRAINING

The best equipped Manual Training Department in Canada is to be found at Woodstock College. For the coming term the building and its facilities are being greatly enlarged and improved.

Manual Training is a practical supplement to any boy's collegiate or business education.

For calendar address the Principal, A. L. McCrimmon, M.A.

Woodstock College

Woodstock, Ont.

802 students enrolled last year—172 young ladies and 130 young men. Two matriculation Scholarships value \$150 and \$180 was at departmental examination, 1901.

New Pipe-organ, Domestic Science Rooms and Art Gallery recently added. Superior facilities in Bookkeeping, Bookbinding, Telegraphy, Education and Physical Culture. Gymnasium and residence heated by steam and lighted throughout by electricity.

Will open Sept. 9, 1902. For illustrated circular address PRINCIPAL DYER, D. D.

ALBERT COLLEGE, BELLEVILLE, ONT.

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Will open Sept. 9, 1902. For illustrated circular address PRINCIPAL DYER, D. D.

IMPERIAL MAPLE SYRUP.

The quality standard from Ocean to Ocean. Your money back if not satisfactory. ROSE & LAFLEME, Agents, Montreal.

H.B. Marshall & Co.

101 King St. East, Hamilton, Ont. WANT RELIABLE AGENTS to sell beans, coffee, baking powders, spices, extracts, etc., to consumers. You can make money. No risks wanted. Excellent territory vacant now.

FRUIT FARM FOR SALE—ONE OF THE

best in the Niagara Peninsula, at the foot of the Falls, Hamilton on two roads, 120 acres in all, 35 of which is in fruit, mostly peaches. Will be sold in one parcel or divided into lots of 15 to 25 acres to suit purchaser. This is a decided bargain. Address JOSEPH CARPENTER, P. O. box 498, Windsor, Ontario.

DON'T CLEAN SILVER

or other bright metals with any "ELECTRIC POLISHING FIBRE" the new chemically prepared self-polishing cloth. Nothing to use but the cloth. No soiled hands, saves time and labor; easiest to use. Price 25 cents at drug and notion dealers. By mail from MONARCH MFG. CO., St. Catharines, Ont. Write for free samples.

CONTINENTAL LIFE INSURANCE COMPANY

HON. JOHN DRYDEN, PRESIDENT

The report for 1901 showed remarkable increases over 1900, in the following items:

New business increased by... \$30,795
Premium income increased by... 39,212
Total income increased by... 42,573
Assets increased by... 43,959
Insurance force increased by 1,399,199

Continental Life Policies are unexcelled for simplicity and liberality. Agents wanted.

GEO. B. WOODS, General Manager. CHAS. H. FULLER, Secretary.

OPENE

THE GREAT EYE REMEDY. Do your eyes itch, water, tire, or are your eyes over-worked, sore, red, misty, or OPENE. No remedy for the eye so good. Easy to apply. Not injurious. Guaranteed as represented. All correspondence receives prompt attention. Mailed anywhere on receipt of 50c per bottle.

The E. B. EDDY CO., Limited

Don't experiment with other inferior brands. USE EDDY'S

HULL, CANADA PARLOR MATCHES

For Sale Everywhere

OUR BRANDS: "KING EDWARD" 1000s "HEADLIGHT" 500s "EAGLE" 100s, 200s "VICTORIA" "LITTLE CORNET"

THE E. B. EDDY CO., Limited

Don't experiment with other inferior brands. USE EDDY'S

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For Sale Everywhere