

HOW THE HOUSE FLY SPREADS DISEASE

Need of Suppressing the Germs It Distributes.

THE INFANT DEATH RATE

Insects Cause More Typhoid Fever Epidemics Than Polluted Water and Milk.

The Merchants' Association of New York has collected and printed a formidable body of evidence against the house fly as an agency in spreading disease. It was led into this through a report made on the pollution of New York harbor as a menace to health, it being stated that the sewage formed breeding grounds for flies, which, gathering and spreading germs of typhoid fever and other intestinal diseases. Thereupon the association invited statements of opinion and experience from physicians and health officers over the country.

Among the experts there seems to be little dispute that flies are a most important factor in the transmission particularly of typhoid germs. Many of them consider that flies cause more typhoid fever epidemics than polluted water or milk. The secretary of the Colorado State board of health, Hugh L. Taylor, gives a case of where a milk supply undoubtedly became infected with typhoid bacilli through flies which had access both to the milk and a vault used by a person having the fever. Secretary J. H. Townsend, of the Connecticut State board of health, considers it significant that typhoid fever is more prevalent at seasons when flies are most numerous, and argues the importance of so disposing of sewage as to keep it away from flies. Dr. Henry D. Holton, of Brattleboro, secretary of the Vermont State board of health, gives this case:

"For several years one or more persons living on a large farm, which received its water supply from mountain springs, had typhoid fever in the autumn—new farm hands generally being the sufferers. No pollution of the water supply was discovered, but investigation showed that the farm privy was unscreened and swarming with flies, which had free access to the house and its food supplies. After the old closet was abandoned for more modern arrangements, and the house supplied with screens, no cases of typhoid occurred in the neighborhood."

The secretary of the Indiana health board, J. N. Hurty, presents the case of a typhoid epidemic in one of the public institutions, which was undoubtedly as he says, caused by flies having access to vaults used by a sick person.

To the same effect is the testimony of many others. The acting secretary of the Massachusetts State board of health, Dr. William C. Hammett, does not mention flies as the cause of any of the fifteen local outbreaks of typhoid fever investigated by the board of 1905 and 1906, while the Providence superintendent of health, Charles V. Chaplin, thinks that under ordinary conditions which prevail in our cities, flies have little part in the spread of typhoid fever. But in a paper by Dr. John B. Huber, recently printed in the New York State Journal of Medicine, the fly is held responsible for spreading more diseases than typhoid.

It is certain that flies help greatly to swell the infant death-rate. The infant mortality is greatest in fly time. There are few more congenial culture media for bacteria than milk, especially amid the uncleanness which obtains in the houses of many very poor people. This fluid easily becomes contaminated with the excreta of flies and with the noxious matter clinging to their feet. Tuberculosis is thus in a very appreciable manner contracted by children, as also dysentery and diarrhoea, and this is especially so since we are now convinced that all kinds of diarrhoeas, except the comparatively few cases which are induced by mechanical causes, are due to specific germs.

Similar views are strongly held by Dr. L. O. Howard, chief of the bureau of entomology at Washington, by Dr. Alice Hamilton and others who figure in this printed body of evidence.

Accepting the case against the fly as true, it of course becomes important to keep the insect out of dwelling places and particularly away from food. But this will not suffice. More important still is the suppression of the original source of danger, which is not the fly, but the disease germ placed within reach of the fly through the exposure of sewage, manure heaps and offal generally. Meantime, it is in order to ask if the fly serves no good end at all in the economy of nature. Is it of no use as a scavenger, and if the fly family could be completely extinguished would the gain to the human family in immunity from certain diseases be in no wise offset by loss in safeguarding health in other directions? A foolish question, of course; yet farmers have found that in destroying crows they have gained something for their crops only to lose much more from the increased depredations of field mice. The adjustments of natural forces in their infinite number of forms are exceedingly delicate, and undue interference from man is apt to cause trouble in ways more or less indiscernible, but the world can probably get along almost as well without as with the house fly and the mosquito—Springfield Republican.

Eminent Physician Explains Cause of Gout, Rheumatism, Etc

The real cause of gout is due to the excessive use of certain articles of food and drink, which in time leads to a disturbance of the functions of the liver. As a result harmful products, such as uric acid, are thrown into the blood, causing the condition known as gout.

Consequently it follows that, having proper diet and maintaining liver activity, a cure can be effected.

Probably no physician has achieved such success in liver disease as Dr. Hamilton.

His pills of Mandrake and Butter-nut are everywhere acknowledged to be a specific for slow, weak or sluggish liver; they give tone and vitality to this organ that enables it to perform its duties with ease and certainty.

Once the liver is corrected, Dr. Hamilton's Pills apply their peculiar merit

THE RECORD-BREAKING LEADS TO ASYLUMS

Queen's Medical Professor Refers to Marathon Craze and Other Evils.

Kingston, May 31. — Dr. James Third, a professor of Queen's Medical College, in an address on "Hygiene of the Mind," referred to exercise and the ambition of thousands to "break the record." In their reckless effort, he said, they are turning the first sods of an early grave. Such was our present Marathon craze. He condemned high pressure and the use of stimulants. These lead to the deterioration of the mental status of the nation. This "rush," this "swirl," are the keys that unlock the gates to nervous ruin that swing wide open the asylum doors.

He started his hearers by declaring that one in every three hundred of our Canadian population is to be found in our asylums, and thousands more are tottering at the gate. He charged that nervous energy, he called it—was due to bad methods of education, improper home training during childhood, and the so-called strenuous life in after years.

His remedy began at the cradle with the actual study of the child. Mothers did not now consider it respectable to care for children. They preferred afternoon bridge at so much a corner, to watching and developing "the wonderful unfolding of mind in her child." He called for better educational methods, not physical, but mental.

"Train the future mothers of the country," he said, "in the simple elements of mental hygiene, and the nation will be enormously the gainer. Public education, not premature legislation is the best way to fight any wrong or any widespread disease."

CHARTERS GIVEN TO BUSINESS CONCERNS

A Number of New Companies Have Been Incorporated by the Ontario Government.

The following industrial companies incorporated during the past week are:

The Crown Portland Cement Company, Limited, Warton; share capital \$800,000.

Gale Manufacturing Company, Limited, Toronto; share capital \$120,000. Provisional directors: F. J. Dunbar, A. G. F. Lawrence, and G. E. Dunbar.

Bruce Mines Sawmill Company, Limited, Bruce Mines; share capital \$60,000.

Storage and Transfer Company, Limited, Hamilton; share capital \$40,000.

Colonial Laundries, Limited, Toronto; share capital \$40,000. Provisional directors: J. J. Hart, T. R. Clifford, E. Blackburn, A. C. Macdunn, F. H. Curtis, H. Hylton, and H. E. Carron.

Ellen Ger Memorial Home Dundas; a home for aged men and women, without share capital.

The Lehigh Portland Cement Company, Limited, has been authorized to increase its share capital from \$1,000,000 to \$1,500,000.

The Tara Hotel Company, Limited, Tara, share capital \$5,000.

The Elgin Driving Association, Limited, St. Thomas, share capital \$20,000.

The Meyersburg Cheese and Butter Manufacturing Company, Limited, Meyersburg, share capital \$3,000.

The Taylor-Anderson Company, Limited, changes its name to Taylor, Anderson, Southgate, Limited.

THOUGHT WIFE ELOPED TRIES TO DROWN SELF

But the Lady Had Merely Stepped Into Store To Do Some Shopping.

Grand Rapids, Mich., May 29. — "She's gone with another man, and I'm going to drown myself," shouted Frank Peck, in the Grand Trunk depot here Thursday, and then he rushed for the Bridge street bridge. Nearly 100 people who had heard the announcement gave chase, and the foremost of the pursuers grasped Peck just as he stood on the rail, ready to plunge into Grand River.

In jail Peck stated that a few minutes before he and his wife had driven to a feed barn near the depot and he had left her on the walk while he went inside with the horse. While he was inside, he said, he saw a former sweetheart of his wife's approach and speak to her. Then when he came out Mrs. Peck and the man had disappeared.

A few minutes later Mrs. Peck walked into the police station and explained to her despondent spouse that she had stepped into a store to make a purchase. He was released, and the couple continued their shopping tour.

FOUND THE REMAINS OF ILL-FATED CONDOR

British Navy Vessel Foundered With 140 Men, and Not One Was Saved.

Vancouver, B. C., May 31. — The wreck of the ill-fated Condor, the British sloop of war, lost in December, 1901, has, it is believed, been located off Long Beach, fourteen miles south of Clayoquot, on the west coast of Vancouver Island.

A heavy spar, evidently attached to other wreckage, over which the heavy surf was breaking, was observed floating for several days, and on its breaking away and floating ashore, it was recognized as a navy spar, stamped with the admiralty mark, and patched with copper in navy style. Near her, previously, a jibboom, stamped with the name "Condor" and several rocket cases, marked similarly, came ashore.

An obstruction, which looks like the hull of a submerged vessel, is visible from the shore at low tide, about a mile and a half from land.

The Condor left Esquimalt for Honolulu, Dec. 3, 1901, with 140 men. She was engaged in gun-laying off the straits for several days, but from the time of her departure, nothing has been heard, but some little wreckage has floated ashore.

It is believed that the vessel, with high bulwarks, was swamped by a heavy sea in the gale which raged for several days, and before the water had a chance to run off, another sea struck her, and she foundered.

GERMAN FINANCIAL CHAOS

Newspapers and Public Very Impatient Over Situation.

Berlin, May 29. — Chancellor Von Buelow in his avowed determination to conquer the financial difficulty seems to be up against a stone wall. The National Liberal, Radical and Socialist members of the Reichstag finance committee today refused to take further part in the discussions of the new taxation proposals. This action was taken as a protest against what they describe as an attempt to terrorize the minority. The incident has revived the predictions of the chancellor's defeat, and the dissolution of the Reichstag.

The newspapers and public are getting very impatient with the chaotic position, which is seriously hampering trade. A majority of the committee today passed the Conservatives' proposals quadrupling the tea duties and imposing a tax of 14 pence on every sixty wooden matches, and 5 pence on every twenty wax matches.

ADANA SITUATION

Constantinople Believes There Has Been an End to Massacres.

London, May 29. — A dispatch to the Morning Post from Constantinople says that disquieting news from Adana has been received. There are also rumors of a reactionary movement among the troops there. It is not probable that fresh massacres will occur. The people of Constantinople are daily growing more discontented. The Greeks are bitter against the Government. The Turks are also discontented. They say the Government has done nothing except curtail the salaries of officials, and this often unwisely and unjustly, an opinion in which many young Turks concur.

Most people think it is not probable that many months will pass without a crisis worse than the last one. The situation is fundamentally unstable. This dispatch bears out the pessimistic tenor of several recent dispatches. It is declared that the Turkish populace is shocked and indignant at the public hangings of a large number of their co-religionists, including many of high rank and position. The lid seems to be only held down by martial law.

HEIRS HUNT VAULTS

Dead Man Placed \$70,000 in Safety Deposit Under Assumed Name.

New York, May 28. — A systematic search of the records of every safety-deposit concern in New York was begun yesterday by the heirs of the late William Simis in an effort to recover a sum of money estimated at \$70,000 which he placed in a private locker under an assumed name. Simis, who formerly owned a chain of hat stores in Manhattan and Far Rockaway, lost nearly \$250,000 in Wall Street several years ago. Fearing that brokers might get the rest of his fortune he withdrew it from the banks.

The claimants to the estate are William Simis, jun., and Wilford Simis, who divided a fortune left by their mother. The father, for whom Simis Beach, at Far Rockaway, was named, retired from active business ten years ago. He entered Wall Street and added to his wealth, but finally the tide turned and his savings of years were swept away.

It is believed his losses unbalanced Simis' mind, for soon after he quit Wall Street he began to brood over the death of his wife and later went to live in cheap hotels. His last known place of residence was at Thirty-Seventh street and Seventh avenue. One day he confided to a friend, John Hussen, that a lawyer was going to sue him in the interest of a firm of brokers, but that he was too sharp for them. He said he would withdraw his money from the banks.

He took \$50,000 out of the Park National Bank and \$3,000 each out of at least half a dozen institutions. Then he returned to his hotel, exhibited a piece of paper to Hussen, and confided to him that he had placed his fortune in a safety-deposit box under an assumed name.

During the time beginning with Thanksgiving Day and ending with New Year's day New York City handles one-twelfth of all the turkeys consumed in the United States.

R. J. Young & Co. | R. J. Young & Co.

Dutch Collars and Jabots

The latest NECKWEAR for Women.

A stylish lot of Dutch Collars, Jabots, Stocks and Embroidered Linen Collars have just passed customs from a manufacturer of high-class neckwear. The prices are remarkably low for the quality and style. On sale tomorrow, at, each, .25c, 35c, 50c

New Elastic Belts Black and Colors 25c and 50c

These are Silk Elastic Belts, with buckles that are worth what we are charging for the whole belt.

Other values up to \$1.50 each, correspondingly good value.

Tourist Frilling The Newest Yet.

Pretty new Tourist Frillings to sell, special, at 2 boxes for 25c. White only.

R. J. Young & Co. | R. J. Young & Co.

Maryland celebrated with elaborate ceremonies its 275th birthday.



LEMON CREAM—The Dainty, Delicious New Treat

HIDDEN between two crisp, beautifully browned biscuits of unique design, is a fairy-like cream, with a flavor of pure lemon juice. This is our Lemon Cream Biscuit—our New Creation.

About 60 biscuits to the pound.

AND the present remarkable demand will be still more greatly increased once you and other discriminating women have discovered its delicious quality. The daintiest biscuit! Perfectly correct to serve at any social function.

MCCORMICK'S LEMON CREAM BISCUITS

Factory at London. Warehouses at Montreal, Ottawa, Hamilton, Kingston, Winnipeg, Calgary.



Buchess Tailored Shirt Waists

Made in White Lawn, White Cambric, Corded Madras, Scotch Gingham and 2100 Pure Linen. Hand turned, laundered Collar and Cuffs.

Large box pleat in front, with removable buttons, and Gibson pleat running over the shoulders. This is one of the new "Buchess" styles which appeal to all dainty women. \$1 up.

Dealers everywhere handle "Buchess" Brand Waists, Gowns, White Waists, etc. If your dealer does not, let us know and we will send you the name of a dealer nearby who does.

Dunlop Manufacturing Co. MONTREAL.

Feather Beds, Pillows and Mattresses renovated and sterilized; also manufacturers of Mattresses, Feather Pillows, Cushions and Spring Beds. Brass and Iron Beds, Stoves, Furniture, Camp Beds, at the Feather Bed, Pillow and Mattress Cleaning Factory. J. F. HUNT & SONS, 593 Richmond street. Phone 597.

"A Prospective Patient" Full information sent free on application.

STAR 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

Star 508 & 510 St. W. TORONTO.

TRAVELERS' GUIDE

GRAND TRUNK RAILWAY. SARNIA TUNNEL TO SUSSEX BRIDGE AND TORONTO.

Corrected to January 10, 1909. Arrive from the east—3:45 a.m., 10:30 a.m., 11:12 a.m., 11:35 a.m., 6:30 p.m., 7:30 p.m., 10:10 p.m. Arrive from the west—12:30 a.m., 3:30 a.m., 11:25 a.m., 1:10 p.m., 4:10 p.m., 6:30 p.m. Depart for the east—12:14 a.m., 3:40 a.m., 7:30 a.m., 9:30 a.m., 11:35 a.m., 2:05 p.m., 4:35 p.m., 6:30 p.m. Depart for the west—3:50 a.m., 7:40 a.m., 11:15 a.m., 1:40 p.m., 4:15 p.m., 6:25 p.m. LONDON AND WANDSLOTH. Arrive—10:35 a.m., 4:00 p.m., 6:30 p.m. Depart—6:35 a.m., 11:35 a.m., 1:30 p.m., 4:35 p.m. STRATFORD BRANCH. Arrive—7:25 a.m., 11:15 a.m., 1:30 p.m., 4:35 p.m. Depart—6:50 a.m., 10:25 a.m., 2:45 p.m., 4:55 p.m. ST. JOHN, HURON AND BRUCE. Arrive—10:10 a.m., 6:10 p.m. Depart—8:30 a.m., 4:50 p.m. Trains marked * run daily. Those not marked, daily, except Sunday.

CANADIAN PACIFIC RAILWAY. Arrive from the east—11:30 a.m., 3:00 p.m., 10:55 p.m. From the west—4:30 a.m., 10:35 a.m., 5:20 p.m. Depart for the east—11:40 a.m., 8:45 a.m., 12:00 p.m. From the west—11:35 a.m., 12:10 p.m., 11:00 p.m. Trains marked * run daily. Those not marked, daily, except Sunday. From Chatham only. To Chatham only. PERE MARQUETTE RAILWAY. Depart—4:30 a.m., 11:35 a.m., 1:45 a.m., 2:30 p.m., 5:40 p.m., 12:30 p.m., 1:50 p.m., 4:40 p.m., 5:25 p.m. To and from Walkerville, without change. Trains not starred to Port Stanley.

MICHIGAN CENTRAL RAILWAY. Arrive—4:30 a.m., 11:10 a.m., 5:10 p.m., 10:25 p.m. Depart—7:15 a.m., 2:30 p.m., 6:55 p.m., 10:25 p.m.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY C. P. R. City Ticket Office, corner Dundas and Richmond, or depot.

By special train from Toronto. JUNE 1, 15, 29 JULY 13, 27 AUG. 10, 24 SEPT. 7, 21 Return tickets good for sixty days to principal Northwest towns.

WINNIPEG and return.....\$32.00 EDMONTON and return.....\$42.50 Proportionate rates to other points.

SECURE TOURIST BERTHS EARLY