

# HOUSE FLY MENACE TO HEALTH

### Spread Diseases in Summer Time and Cause Thousands of Deaths—Big Cities Studying Methods of Eliminating Insects.

BY FREDERIC J. HASKIN.

Washington, June 11.—With the growing heat of summer comes the increased danger of typhoid and intestinal diseases, the majority of which are spread by that ever active pest, the common house fly. With the fear of epidemics has come a concerted effort on the part of progressive cities to exterminate the fly. There are 350,000 cases of typhoid fever in the United States every year, and 10 per cent of the cases are fatal. The fever is spread through three routes—water, milk and flies. Water is responsible for the greater number of cases, but infected milk has its hundreds to account for, and flies many hundred more. Last year's investigations in New York city showed that there were 650 deaths from typhoid and 7,000 deaths from other intestinal diseases that were traceable directly to diseases spread through the agency of flies.

Diseases of a distinctly unpleasant nature are those which the fly spreads—Asiatic cholera, typhoid fever, dysentery and tuberculosis. Bred in the filth of barnyards and city dumps, the house fly lives up to its greatest possibilities as a disseminator of filth and disease. On its fuzzy, hairy little legs it can carry 10,000 bacteria that it drops in an indeterminate number into the nearest milk pail, or on the most convenient market table or the most attractive confectionery stand. It never is direct and intentional, but it does not bite and does not inject in that way. It merely trails through the filth that it lives and lets the gathered bacilli fall off on any surface that it passes over. These bacteria may live for weeks and may be carried long distances on the fly's legs, or, as they are indigestible, they can be carried in the alimentary canal of the fly and spread the contagion many miles from the original source, a fact that a Chicago woman has established after careful work in her laboratory.

**War on Fly.**  
It was only in 1894, scarcely four years ago, that the charge of criminal carelessness was first preferred against the house fly. At that time, in 1894, and even now in many rural districts, it was believed to be a useful scavenger, a worthy and harmless member of the insect world. Then the medicine men got busy in their private and municipal laboratories and demonstrated to the world that the house fly was directly responsible for many of the thirty thousand deaths in this country each year. So war was declared.

It is to be a hard and bitter war. To the house fly, an insect of its species with a rapidity and in numbers that paralyze the modern statistician. Dr. Packard, a short while ago put one fly in a bottle and kept it there for fourteen hours. In that time it laid 120 eggs. (Always, it is estimated, it lays from eight to twenty-four hours to hatch the eggs, and a fly is mature and ready to produce its kind in from four to fourteen days from the time the egg is laid, it may be seen that even one fly, during the summer, can do much toward increasing the death roll of a community, and incidentally people its world with uncountable millions of pests within a year.

**Cities Take Notice.**  
The crusade against flies has been so far confined to the cities and to very few of these. In the country and rural districts where there is most typhoid and where the facilities for fly breeding are unlimited, the death rate from typhoid is higher. There are nearly three times as many cases in the city, and it is noticeable that the city rate always goes up highest in September, when the people in the country turn cityward again, bringing the germs of typhoid with them. The death rate in the city is lower in the city where more intelligent handling of the disease prevents its spread.

The Indiana State Board of Health recently began a vigorous campaign against the fly, distributing educational literature and encouraging a wider knowledge of the danger lying in the tolerance of these pests. The board over a year ago recognized the danger of contamination from flies in typhoid cases and issued instructions for making special note of the fact that food must be kept isolated from flies. The national health authorities have demonstrated a greater interest in the control of preventable diseases by considering a bill that will allow the state health department to issue orders to municipal authorities in this work. When it is known that insects of various kinds disseminate the germs of typhoid, cholera, dysentery, elephantiasis, filariasis, anthrax, trachoma, typhus, cancer, tuberculosis and typhoid, it is not surprising that international cooperation is keenly evident.

**Chicago Gets Busy.**  
Chicago has begun an educational campaign on a large scale. The city health department is working with a will and indomitable courage ever since one of the city bacteriologists interested in the fly came to the city in a milk can and discovered that 100,000 bacilli were on its legs, and that when these were left on a glass plate in the laboratory by the imprisoned fly a mass of swarming death-dealing bacilli sprang into being, each capable of endangering a human life. New York has found that infant mortality is greatest in that city in fly time, and health authorities are beginning a crusade that will make fly screens an imperative necessity on all houses, and that will abolish rat harborage and stables refuse from ill-ventilated alleys.

Evidence against the fly is plentiful. During the Spanish-American war a committee appointed by the surgeon general of the army found that typhoid was not so prevalent among men who ate in screened tents, and that as the fly disappeared in camps at Knoxville, Tenn., made typhoid generally decrease. Dr. H. A. Veeder claims that the fly is a more dangerous agent in spreading typhoid than either the mosquito or the rat. O. Cobb of the marine hospital service has proved the fly a carrier of tuberculous bacilli. Investigators in the Philippines found cholera spread by fruit that had been exposed on public stands and infected by flies. In Chicago two women from Hull house conducted exhaustive experiments to discover the cause of a typhoid epidemic in a certain quarter, and the cause was found in food, screening, sanitation, water and water and milk supplies, finally proved the fly to be the disseminator of matter.

**Battle With Poets.**  
The medical world is working to get the nation to understand the great need of using an ounce of prevention rather than a pound of cure. The bacteriologist of disease as discovered by Koch, Pasteur and Lister is not so very old, but it has been a long time in the thought. Pittsburgh is already conducting a notable campaign in the study of typhoid, and San Francisco, believing disease is spread by rats, has recently had 2,000 caught each day for experimental work. In southern cities with screens and screens are annually anticipating any attack from the mosquito and her yellow fever germs, and New Jersey is keeping a watchful eye on the mosquito that has become known as the disseminator of matter.

It is claimed that half of the \$101,000,000 now being paid out by the government in pension money could have been saved had the nation been as eager to prevent disease as it has been to cure. Camp fever and prison fever have been accepted as necessary evils of war, and until Japan established a record of only one death of disease, but army to two casualties in battle the world had for two centuries lost from a disease that disease time and again as it had lost in battle. In the Franco-Prussian war 60 per cent of the deaths

# GAS ON THE STOMACH

OFTEN THE CAUSE OF GREAT BODILY DISTRESS.

It Indicates a Feeble Stomach in Which the Food Lies Undigested and Shows Need of Tonic Treatment.

When the stomach is feeble the food lies in it undigested, decays and throws off poisonous gases that distend the walls of the stomach, and cause interference with other organs, especially with the action of the heart and lungs. These gases have other ill effects. They are absorbed by the blood and corrupt it and so cause aches in remote parts of the body and the formation of unhealthy tissue everywhere. General bodily weakness and loss of weight result. The nerves and the brain are disturbed and discomforts such as dizziness, hot flashes, sleeplessness, irritability and despondency originate from this source. Experience shows that these troubles vanish just as soon as the stomach is made strong enough to digest the food. In other words, it needs a tonic that will rouse it to do the work of changing the food into nourishment. The tonic used ought to be one that will agree with the most delicate stomach.

Mrs. Amelia Gwynn, a nurse by occupation, lives at 2123 Varon avenue, Chicago, Ill. She said recently: "When I was living in Terre Haute, Ind., some years ago, I was in bad health for some months and did not know what ailed me, only that I did not feel like myself. My doctor said I was suffering with indigestion but he did not cure me. "I had severe pains in the stomach and could not digest any solid food. I had to diet all of the time and had so much gas on the stomach that it seemed at times as though my breath was being ingested. I was greatly run down in health and lost in weight. "I decided one day to try the doctor's medicine and take Dr. Williams' Pink Pills. The first few boxes helped me and I took them until cured. I gained weight, my digestion became good and I have been in splendid health since. I am glad to recommend Dr. Williams' Pink Pills as they are worth their weight in gold. "The remedy which gave Mrs. Gwynn complete health was obtained at any drug store or direct from Dr. Williams' Medicine Co., Schenectady, N. Y., at 60 cents per box. Should read "What to Eat and How to Eat." Write for a free copy today.

# PRINCE SALMON LOSES EX-QUEEN

### Bogus Member of Royalty Rejected by the Former Ruler of Hawaii.

(United Press Leased Wire.)  
Tahiti, June 19.—Arlippea Salmon, or "Prince" Salmon, who cut a wide swath while in San Francisco sometime ago on his way to Honolulu to claim the Hawaiian throne for his bride, had dropped completely out of sight and not even his most intimate friends knew his whereabouts. Through inquiries concerning him it has become known that Salmon had no claims to the title of prince, but was just a common Tuamotu Islander. "Prince" Salmon's visit to San Francisco proved his undoing. Lillooek had given her consent to the wedding, but when tales of her fiancé's escapades in California reached her, the "prince" came into disfavor, even in his home island.

**The Irrepressible Conflict.**  
From Life: "O Lord," prayed the Yale chaplain at the morning service for the late, miserable creature, not fit to address thee, confirmed as we are in evil and unrighteous ways. "Say, Billie," whispered one freshman to another between his fingers, "what does the reverend think we are, anyhow—bunch of Harvard men?"

# CASTORIA

For Infants and Children. The Kind You Have Always Bought Bears the Signature of *Wm. D. Galt*

# BAD BREATH

Deaf for the Doves! *Castoria* THEY WORK WHILE YOU SLEEP. Pleasant, Palatable, Potent, Taste Good, Do Good, Never Sicken, Weaken or Grippe, 64c. Sold in bulk. The genuine trade stamped G. G. Guaranteed to cure or your money back. Sterling Remedy Co., Chicago or N. Y.

# Low Excursion Rates to Eastern Points.

The dates of sale are: June 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31. Canadian Pacific is the road. For full particulars regarding rates and variable routes offered apply at local office, 142 Third street.

W. M. Ladd Pres. THEO. B. Wilson V. P.  
**COLUMBIA LIFE & TRUST COMPANY.**  
LUMBER EXCHANGE BUILDING  
OUR NEW POLICIES OFFER ALL THAT IS BEST IN LIFE CONTRACTS EITHER TO BUY OR SELL.  
Low Non-Participating Rates High Cash Values  
SUPERIOR INDUCEMENTS OFFERED TO RELIABLE ACTIVE AGENTS.  
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ELECTRICAL CONTRACTORS  
Fixtures, Wiring, Supplies  
291 EAST MORRISON STREET  
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# THE CHEAPEST STORE IN THE UNITED STATES

# Boston Store

NORTHWEST CORNER FIRST AND SALMON STS.

## At 25 Cents on the Dollar

The Hub, the big North End Store, has been forced to close its doors, the building having been rented over their heads. No warning was given and not a store in town was to be rented, hence the offer of the Boston Store was accepted. Sale started this morning and will be continued until every article is sold.

### Don't Forget the Location---FIRST AND SALMON STREETS

### The Hub's Entire Suit Stock Bought at 25c on the Dollar

SOLD AT PRICES THAT NEVER HAD AN EQUAL

- \$4.85** All of the Hub suits, \$7.50 to \$12, in medium and dark colors in worsteds, cassimeres, chevjots, etc., to go for \$4.85.
- \$7.50** More than 1000 Hub suits, consisting of single and double breasted styles, in serges, chevjots, cassimeres, worsteds, tweeds, etc., some silk and venetian lined, up to \$20.00, for \$7.50. Incomplete lots.
- \$9.85** Complete line of sizes in merchant ant tailored materials, full journeyman tailor-made in serges, venetian and Italian linings, self-retaining fronts—Hub values up to \$22.00.
- \$11.85** Select domestic imported materials—full hand tailored in business and dressy suits. All the Hub \$25.00 values.
- \$14.85** All the Hub suits from \$25.00 to \$30.00. Silk mixed worsteds, tibets, serges, single or double breasted, thoroughly shrunk materials, sewed with pure silk—\$14.85.
- \$16.85** American, German, French and Italian weaves in velours, silk-mixed materials, full journeyman hand-tailored; also the fads, fashions and fancies of the latest custom tailored productions—Hub values to \$35.00.
- \$19.85** Best Hub \$40.00 sterling make, full journeyman hand-tailored, sewed with pure double-pressed silk throughout, cold water shrunk materials, full French haircloth fronts, an exposition of fine clothing that will more than please the most exacting buyers.

### Hub's Entire Stock of Men's Pants Slaughtered

About 2,800 pairs of the Shenandoah Woolen Mills, Worsteds, Cassimeres, Serges, Velours and other extraordinary fine qualities, full custom finished imported materials.

- 65c** 95c, \$1.20, \$1.35 for broken lots of all-wool and worsted pants that retail regularly from \$1.50 to \$3.00.
- \$1.85** All-wool and worsted serges in business and dressy materials. Values up to \$4.00.
- \$2.35** A beautiful lot of hand-tailored, stylish and serviceable men's pants; immense variety. Values up to \$5.00.

### SHIRTS

- 19c** for choice of a big lot of Golf Shirts in tan and fancy colors—best 50c values.
- 35c** for Golf and Negligee Shirts in heavy drills or Fenans and Madras in light and medium colors—75c to \$1 values.
- 45c**—Immense showing of the choicest styles in \$1 Shirts.
- 65c** for Golf and Negligee in Satens and fancy silk figures—\$1.25 values.
- 95c** for Phillips-Jones Co. fancy Satens, Brillantes, Madras, Fenans and Silk-mix materials—\$2 values.
- \$1.95** for Silk and French Flannel and Silk and Woolen materials—\$2 values.
- \$2.45** for best Pongee \$5 Shirts, in all colors.

### OVERALLS

- 50c** for all the Hub's Overall—75c, \$1 and \$1.25 grades.

### BOYS' SUITS

- \$1** for all the Hub Boys' Suits, worth to \$5.50.
- \$1.50** for the Hub Boys' Suits, worth to \$5.
- \$2.35** for choice of the Hub stock of Boys' Suits, values to \$7.95.

### MEN'S HATS

- \$1.19** for tan, pearl, smoke, cherry, brown, black, etc.—\$2 Hats.
- \$1.85** for Soft and Stiff Hats, counterparts of the latest Dunlap, Knox, Yeoman \$4 shapes; full leather sweaters, silk mohair bindings, hand-blocked crowns, Mallory and other \$5.50 values.

### FOR 15c COLLARS

- 5c** for all the Hub Linen Collars, all sizes, all shapes.

### HANDKERCHIEFS

- 2c** for all the Hub's 5c and 8c Handkerchiefs.
- 3c** for all the Hub's 10c and 15c Handkerchiefs.
- 4c** for all the Hub's 25c Handkerchiefs.

Best Imported Castile Soap, 3 cakes, 5c  
Carter's Mucilage and Ink, best grade—each 1c  
Ladies' Gauze Vests, the 5c kind, silk lined long and short sleeves, 1c each

## \$25,000 Worth of Ladies' Ready-to-Wear Apparel

On sale at less than cost of making. Buy your Fourth of July fixings here

400 Ladies' Skirts on sale at prices that will turn them into CASH at once.

- \$3.50 to \$5 panamas, serges, brilliantines, chiffon panamas. A big lot nearly all sizes. Ladies' and Misses'; **\$1.69** special at .....
- \$5.00 to \$9.50 Ladies' Skirts, blue, black, and brown, panamas, voiles, etc. Some trimmed with silk bands; **\$2.95** special at .....
- \$10.00 to \$12.50 Skirts, in finest grades of imported worsteds, panamas, chiffon panamas, serges, poplins, etc. Handsomely trimmed; all the newest and best models, special at .....
- \$4.95**

### Ladies' Summer Coats

Handsome new styles, the latest effects in fancy mixtures, velvet trimmed, \$6.50 and **\$2.95** \$7.50 vals. Boston. ....

### Ladies' Man-Tailored Coats \$4.50 to \$5.75

In all the newest and best styles, elegant serges, fancy worsteds, stripes, etc.—Sold everywhere at \$8 to \$12.50. At the Boston \$4.50 to \$5.75.

### Silk Petticoats

Ladies' silk petticoats, black and fancy; extra grade silk; not one worth \$7.50, some \$9.50; all go **\$4.50**

### Ladies' Suits at Less Than Cost of Making

Our entire line of Ladies' Suits in panamas, serges, etc.; worth \$18.50 to \$25; to close out. **\$8.85**

### Ladies' All-Wool Sweater Coats at \$2.50 Ea.

Just the thing for summer wear for home and at the coast. All colors. The regular \$5.00 and \$7.50 values; special at .....

### Wash Petticoats

Ladies' colored and striped wash petticoats; The regular \$1.00 kind, special at .....

### Ladies' Muslin Underwear

White Skirt Specials, all handsomely trimmed lace and embroidery

- Regular \$1.50 Skirts ..... 50c
- \$2.50 to \$3.50 values ..... 1.25
- \$3.75 to \$5.00 Skirts ..... 1.75
- Regular \$5 and \$6 values ..... 2.50
- Ladies' Muslin Drawers, regular \$3.00 values ..... 1.95
- Ladies' Corset Covers, nicely trimmed, regular 50c and 75c ..... 25c

### Ladies' Fine Hosiery

IN PRICES TO FIT YOUR PURSE

- Handsome embroidered patterns, finest Hosiery, the regular \$1.00 grade, all colors; 25c pair—3 pairs ..... 1.00
- Regular 35c and 50c grades, Hosiery and heavy cotton hose ..... 1.00
- Good 25c values ..... 1.00
- Children's Hosiery, good 15c quality ..... 7c
- Children's Hosiery, good 25c quality ..... 12c

### Sweaters

- 25c** for the Hub's Men's and Boys' Sweaters, worth to \$4.
- 35c** for all the Hub's \$10 Wool Suits.
- 50c** for all the Hub's \$12.50 to \$25.00 Frock Pants.
- 75c** for all the Hub's best \$3, \$4 and \$5 Hats.
- \$1.95** for all the Hub's English Corduroy Pants, worth \$2.50 to \$3.00.

### Work Shirts

**25c** for all the Hub's 50c, 75c and \$1 Work Shirts.

### Special Sale of Bedding

- 10-4 Bedspreads, fine Marcelline patterns; regular \$1.50 values **85c**
- Marcelline Spreads, in finest of imported weaves, the kind you pay \$2.50 to \$5 for elsewhere—your choice ..... **\$1.50**
- Good quality Muslin, 12x20 Bed Sheets, the 40c values ..... **25c**
- Good quality, heavy 8-4 Sheets; regular 85c ..... **65c**
- 10c** for the regular 15c grade Pillow Slips.
- 12c** for the regular 20c grade Pillow Slips.

### Supply Your Blanket Needs Now

FOR THE HOME AND COAST AT THIS SALE

- \$1.25 Cotton Blankets ..... 50c
- \$1.50 to \$1.75 Cotton Blankets ..... 75c
- Heavy warm mixed Blankets, worth \$2.50, full bed size ..... **\$1.25**
- Good Wool Blankets, 11-4 size, worth \$5.00 to \$5.50 ..... **\$2.50**
- Heavy warm Silkoline Covered 10-4 Comforts, worth \$4.50 ..... **\$2.50**

### Men's Furnishings

- 25c** for Men's 45c Balbriggan Under-shirts.
- 35c** for Men's Shirts and Drawers, light Balbriggan, 65c values.
- 50c** for Men's French Balbriggan, silk lined, also French mesh underwear, in wire twist, slide needle, knit, \$1 values.
- 65c** for Wool and Merino \$1.25 values.
- 85c** for Egyptian comb cotton Balbriggan, Warner's fleece, pure silk goods, worth up to \$2.50.