

What Causes Tuberculosis?

There can be no tuberculosis without the germ, the tubercle bacillus. Whether the disease appears in the lungs, in the hand, in the hips, or in the eye, it is the same germ that always causes it.

Looking at it from another way, however, the germ of tuberculosis can never cause the disease unless the soil has been prepared for it. It is as if the germ were the seed and the body were the soil. You cannot raise wheat on a hard, cobblestone pavement nor can you grow corn on a boardwalk. Neither can you grow tuberculosis from the tiny plant-like germ which causes the disease, on a soil which is hard and resistant. The tissues of the body in which the disease is to develop must first be weakened and made flabby and prepared for the growth of the disease somewhat as the farmer prepares his soil before sowing his seed.

What are the causes that prepare the soil for the growth of tuberculosis germs in the body? There are first of all, a group of causes which lie within the individual himself, which we may call personal causes. Some of them may be controlled by the individual and some of them are beyond his control. Take such causes, for example, as intemperance, lack of proper food, a weakened physical condition caused by gripe, colds, pneumonia, measles, typhoid fever, etc.—these are some of the personal causes which prepare the soil for the tuberculous seed. Then there is also another group of causes which are entirely outside of the individual and which we may designate as environmental or social causes. Some of these are, for example, bad living and working conditions, lack of play and recreation facilities, unclean streets, etc.

These two groups of causes may either separately or altogether, act upon one so that his normal strength and vitality, which we call resistance, is lowered and he readily becomes a prey to the disease germs which are constantly lurking about and which he may be harboring in his body without knowing it. Let us consider some of these causes a little more in detail.

Of the personal causes that lead to tuberculosis, probably intemperance may be reckoned as one of the most important. By intemperance is meant everything in the way of self-indulgence that injures the body. One may be intemperate in eating and by partaking of too much food may produce permanent digestive disturbance which weakens the bodily resistance. One may be intemperate in the use of drugs or in other ways, thereby weakening the bodily resistance. The most frequent form of intemperance, however, is the use of intoxicating liquors. Any man who drinks beer, wine or whiskey to excess is preparing the soil of his lungs for the seed of tuberculosis. This is the reason why the mortality from tuberculosis among men and women who are accustomed to drink is so high, much higher according to reliable statistics than among people who do not use intoxicating liquors.

Many children from the time they are born into the world are doomed to starvation. Other people because they like candy, pie, and cake better than meat, bread, and vegetables, are starving themselves willfully. This underfeeding or lack of proper food will as surely prepare the soil for tuberculosis as if one deliberately set out to do so.

Many people have a notion that if they have apparently recovered from a bad cold or an attack of gripe or pneumonia, there is no further danger and they are perfectly safe. Oftentimes the most dangerous period in an acute disease is during the few weeks immediately after the patient is able to be up and about. It is during this time of convalescence that the seeds of disease will find a sure root if special care is not taken. Fresh air, good food, rest, and right living are the best safeguards against tuberculosis during a time such as this. After-effects of many diseases can be avoided if the patient will continue to persist in taking care of himself just the same as he did when he was in the bed and under the doctor's orders.

Then there are those causes of tuberculosis which are entirely outside of the individual such as bad housing conditions. Dark rooms where the sun never shines are among the best breeding places possible for the germs of tuberculosis. Here they thrive in great quantities and it is almost impossible to dislodge them. Dark, filthy hallways, unclean sinks, and dirty backyards and toilets are also menaces to the health of those who live near them. Many a man can improve these conditions with a little effort if he will take the time to do so. More often, however, it is the landlord's fault that the housing conditions are not better.

Low wages, long hours of work, dark unventilated factory rooms, excessive heat, and dusty occupations are only a few of the conditions which make it easy for the seed of tuberculosis to attack the working man. The lack of proper places for play and recreation, which makes a man go to the saloon at night instead of into the park or playground, is a social cause leading to tuberculosis. These social causes can be fought only by the united effort of the men and women of the community. Individuals can help but it takes all shoulders at the wheel to produce effective results.

In conclusion, remember that the soil must be right before the seed of tuberculosis can grow, and that you can contribute much towards keeping the soil of your body in such condition that no germs will find a root there.

Jap Miller Unprepared. A Morgan county couple who had been doing their courting 18 years finally got married, says The Indianapolis News. Their friends thought that the occasion demanded some demonstration, and went to Jap Miller's store to buy musical instruments. They called for tin horns, and, to a wonder, Jap failed to have the article. He was chagrined over the fact, and, in his good-natured drawl, explained the situation as follows: "Now I meant to have horns aplenty for this affair—but it's been so sudden." "Your wife doesn't seem to be enjoying her holiday." "No; she keeps wondering if the canary will know her when we get back."—Answers.

W. W. Long to Arrange Special Exhibition of Live Stock at State Fair

Supplementary to Campaign for Better Breeds of Stock—Will Also Have Miniature "Piggery" and Egg Laying Contest.

Columbia, Sept. 18.—W. W. LONG, state farm demonstration agent, promises to bring some novel exhibits to Columbia for display purposes during fair week, October 25-29. Distinctly new features are to be introduced in the collections of livestock and hogs; and the indications are that the exhibits being collected by the county agents both from Clemson and Winthrop colleges will be unusually attractive.

Mr. Long spent yesterday in Columbia in conference with the state fair officials, relative to exhibits from the various counties.

An innovation will be the special livestock show, consisting of one purebred Hereford bull and 20 or 40 calves from this sire. With each calf will be shown the picture of the "scrub" mother. A 90-day campaign for the introduction of better breeds of cattle into the state has just been terminated, in consequence of which from 150 to 200 registered bulls are to be brought within the state within the next few months. The exhibit of calves is to emphasize the ease with which beef cattle can be improved by breeding "scrubs" to registered bulls.

Another departure in similar exhibits will be the miniature "piggery." This will demonstrate not only the advisability of purchasing blooded hogs, but also the feeding qualities of certain clovers and grasses for grazing. One pig from each breed popular in South Carolina will be shown in his natural habitat. The pen will be a "platform" patch of clover, on which the pig will feed while on parade.

The egg laying contest will be conducted again this year. Gratifying results were obtained last year, but the contest was not begun in time to be of practical value. This year the hens are to be cooped two or three

weeks prior to the opening of the fair. Miss Edith L. Farrort, of Winthrop college, state organizer of tomato club work and home economic efforts, will supervise the exhibits planned by the girls' extension work forces of South Carolina. In addition to the routine demonstrations in canning and preserving fruits, a bread making contest will be held, which will engage much of the efforts of the county organizers.

J. M. Napier, director of the agricultural high school work in Darlington county, will bring an exhibit from these schools.

All counties are to have booths, with the respective county agent in charge. Seats are to be erected about the booths, to accommodate fair attendants when explanations are being made of the particular exhibits. A new feature this year will be the three lecture periods in the daily schedule. These are of 20 minutes duration, in which time the agent will emphasize the results of actual merit in his county. These lectures are to be given at 11, 2 and 4 o'clock daily.

GETS SECOND DIVORCE IN LESS THAN FOUR YEARS

Atlanta, Sept. 18.—The individual speed record for divorces was made by Mrs. Cora L. Lee yesterday when Judge Pendleton granted her her second divorce in a period of less than four years.

She was divorced less than four years ago from J. J. Lee, following domestic discord and incompatibility. Following their divorce, Mr. and Mrs. Lee "fell in love" again and were remarried.

The rub through the courts, however, failed to take off the rough places and discord arose again. They went back into the courts with bills and cross bills, and again were divorced.

A Good Reason. Sunday School Teacher—Did you ever forgive an enemy? Tommy Tuffnut—Oncest. Sunday School Teacher—And what noble sentiment prompted you to do it.

FIRST ROUND OF \$32,500 HIPPODROME



Packey McFarland. Billy Joh, the Referee. Mike Gibbons.

Packey McFarland, the Chicago lightweight, who has now grown into a large welterweight, stalled and slapped his way through ten rounds with Mike Gibbons at the Brighton Beach Motordome, Saturday night. For this he got \$17,500, the highest price ever paid a boxer for ten rounds. McFarland's exhibition as only an

imitation of fighting. He struck Gibbons time and again with his open hand, merely trying to cuff him about the ring. He wouldn't fight at all. Perhaps his only blow that hurt his opponent was a hard right to the stomach about the middle of the fight. Gibbons seemed to try except in the ninth and tenth rounds. Earlier he

landed hard straight right and left hooks to McFarland's head. But none of these reached the chip. Inasmuch as Gibbons was the only one in the ring who tried to fight, he won. In the days of the old champions and courageous referees, the affair would have been called "no contest," or McFarland would have been disqualified for failure to fight.

MILL NEWS

John Gregson is now yarn tester at the Bibb Mills, Macon, Ga.

E. M. Holliday has resigned as overseer of the cloth room at the Lowe Mill, Huntsville, Ala.

G. O. Sanders has accepted the position of carder at the Mississippi Mills, Moorhead, Miss.

Pink Carpenter is now overseer of spinning at the Mississippi Cotton Mills, Moorhead, Miss.

A. G. Meyer of Gastonia, N. C., has been elected president of the Cora Mills, Kings Mountain, N. C.

Dr. O. G. Falls has resigned as president of the Dilling Cotton Mills Kings Mountain, N. C.

Lee Hindman of Anniston, Ala., is now second hand in carding at the Millen (Ga) Mills.

P. A. Redmond is now acting as superintendent as well as agent of the Aragon Ga. mills.

F. M. Bates of Honea Path, S. C., has accepted a position with the Brandon mills, Greenville, S. C.

T. T. Ligon, master mechanic at the Pickens, S. C., Cotton Mills has purchased an Oakland touring car.

J. R. Rector has returned to his former position in the cloth room of the Duncan mills, Greenville, S. C.

T. M. McEntire, superintendent of the Loray Mills, Gastonia, N. C., was a Charlotte visitor last week.

G. E. O'Pry has resigned as overseer of spinning at the Florence cotton mills, Forest City, N. C.

Thos. Smith has been promoted to carder and spinner at the Ella Mills, Shelby, N. C.

R. B. Hunt of Columbus, Ga., has become superintendent of the Moorhead Cotton Mills, Moorhead, Miss.

S. J. Bishop, overseer of carding at the Saxon Mills, Spartanburg, S. C., has purchased a Ford car.

J. L. Falney of Greenville, S. C., is now fixing looms at the Judson Mills of that place.

W. K. Baldwin, of Salisbury, N. C., has accepted the position of overseer of carding at the Cherryville (N. C.) mills.

L. L. Clippard, superintendent of the Beaver Dam Mills, Edgefield, S. C., has been operated upon for appendicitis, but is reported to be doing well.

J. E. Brendle has been transferred from overseer of spinning to overseer of the cloth room at the Lowe Mfg. Co., Huntsville, Ala.

W. M. Gillis, overseer of carding at the Lowe Mfg. Co., Huntsville, Ala., has been placed in charge of the spinning also.

W. D. Ingle, formerly of Columbia, S. C., has become overseer of weaving at the Aiken Mfg. Co., Bath, S. C.

J. J. Martin, second hand in carding at the Lyonsburg (Va.) Cotton Mills, was married on Sept. 10th to Miss Lena Brooks of that city.

H. G. Letch, superintendent of the Alta Vista (Va.) Cotton Mills was a Lynchburg, Va., visitor last week.

W. M. Chandler of the Woodside Mills, Greenville, S. C., has returned from a vacation spent at Hendersonville, N. C.

Davis of Spartanburg, S. C., has accepted a position in the cloth room of the Woodside Mills, Greenville, S. C.

Jno. W. Trigg, overseer of weaving at the Merrimack Mills, Huntsville, Ala., recently gave a melon cutting to his loom fixers.

R. A. Whitley, superintendent of the Lafayette, Ga., Cotton Mills, has been on an automobile tour of the Americas, Ga.

I. W. Spake of Gastonia, N. C., has accepted the position of overseer of weaving at the Bamberg (S. C.) Cotton Mills.

Tom Pollard of the Brandon Mills, Greenville, S. C., has entered the Textile Industrial Institute at Spartanburg.

Jas. R. Morgan, president of the American Spinning Co., of Greenville, S. C., was married Sept. 8th to Miss Mary Waddell of that city.

R. W. Jenkins has resigned his position at the Unity Spinning Mills, LaGrange, Ga., to become master machanic at the new Hillside Cotton Mills, of the same place.

B. W. Jenkins, formerly of the Unity Spinning Mills, LaGrange, Ga., has accepted the position of master mechanic at the new Hillside Cotton Mills of that place.

O. L. Derrick has resigned as superintendent of the Harris Mfg. Co., Rock Hill, S. C., to accept a similar position with the Riverside Mills No. 4 Danville, Va., under General Superintendent W. W. Moore.

H. F. Schmitt, president of the Cleveland Mill & Power Co., Lawndale, N. C., underwent a serious operation at Emoryfordon, N. C., last week, but is reported to be getting on nicely.

E. C. Haskell has been promoted from manager of the Monaghan Mills to a similar position at the Victor, Greer, and Apache Mills of the Victor Mfg. Co., Greer, S. C.

M. L. York, formerly of the office force of the P. H. Hanes Knitting mill, Winston-Salem, N. C., is now time-keeper in the carding and spinning rooms at the Dan River Mills, Danville, Va.

M. E. Stevens of La Grange, Ga., has gone to Moorhead, Miss., to take up his duties as manager of the Mississippi Mills of that place, which are to be put in operation.

Capt. F. Dilling has resigned as president of the Cora Cotton Mills and as secretary and treasurer of Dilling Cotton Mills, Kings Mountain, N. C., and now holds the position of vice president of the Cora Cotton Mills and president of the Dilling Cotton Mills.

Wm. Honchcliffe, superintendent of the Dallas Mfg., Huntsville, Ala., has gone to a hospital for an operation, but is expected back very soon.

J. J. Ranch, general overseer at the Victoria Mills, Rock Hill, S. C., will in the future also act as superintendent of the Harris, Mfg. Co., of that place.

Jno. C. White, superintendent of the Moore Cotton Mills, Lenoir, N. C., has been quite ill with typhoid fever, but is reported to be improving.

John Toms, master mechanic of the Ella Mills, Shelby, N. C., his wife and child, all of whom suffered from ptomaine poisoning over a fortnight ago, are now fully recovered.

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