

**Wick Teeth as Body-Poisoners**

How so-called "focal infection" of the teeth may generate disease that is carried to all parts of the body by the blood-stream, is told briefly in Chicago's Health, the publication of that city's Health Department, by Dr. Edward H. Hatton, research investigator at Northwestern University. Why do diseased teeth harm the rest of the body? asks Dr. Hatton. It is generally agreed that they do, he says; indeed, there is hardly a bodily infirmity, from insanity to corns, that has not been ascribed to infected teeth by some one, and the natural result has been the attempt to cure all these ills by extracting teeth, often with no effect. On the other hand, some of the cures achieved by this method seem miraculous. He continues:

"Acute disease or infection of a part of the body is associated with so much pain, so much fever, and so much disability, that the seriousness of the condition is hardly ever questioned. On the other hand, low-grade disease or infection progresses so slowly, with so little pain and fever, and so little impairment of the use of the part, that little attention is paid to such a disease condition. This is particularly true of diseased teeth.

"In such diseased regions there live and multiply germs that can find entrance into the blood stream or lymph channels, and thereby be carried to all parts. Such a diseased place is like a cottonwood tree that produces seeds that may be carried by the wind, or float on the surface of streams to far distant fertile ground, where they may germinate and develop into new trees entirely independent of the parent tree. In this same way bacteria or germs that have found a lodging place around the roots of a tooth may, through the blood stream, find a new location in which to multiply in the appendix, joints or elsewhere, and persist there long after the offending tooth has been extracted. This new lodging place then takes the place of the old one, and from it bacteria are still fed into the circulation to maintain the diseased condition.

"Not only do the bacteria invade the blood-stream and lymph channels, but in their growth they form waste products which are absorbed by the body fluids, and in turn act as poisons to the body cells.

"The preceding is a summary of the theory of focal infection, a theory which has become well established in the last ten years, and is the key to the solution of many a medical riddle it is applied intelligently."

The two low-grade infections about the teeth that tend to reproduce themselves in the form of low-grade infections elsewhere in the body, are those around the ends of the roots of teeth, and those about the sides of the crowns and the roots. The former are usually called chronic abscess, and the latter pyorrhea. Dr. Hatton proceeds:

"In the former the infecting germs reach the favorable location at the root end through the pulp or 'nerve' canal of the tooth. This canal is opened and infection gets into it as a result of decay. Infection of the pulp or 'nerve' frequently, tho not always, causes a violent throbbing toothache, while infection at the root-end, after the 'nerve had died,' usually causes the tooth to be tender to pressure, although there may be no toothache. This infection gradually destroys more or less of the bone about the end of the root.

"These holes in the bone generally show in X-ray pictures. In some positions in the mouth, normal cavities or openings in the bone may be mistaken for abscesses unless the physician or dentist is experienced in examining X-ray pictures.

"In pyorrhea the location of the infection is closer to the surface; the gum is detached from the root, the extent may be estimated by the use of small instruments inserted into the pus pockets alongside the roots of the teeth. From this condition the germs are not so likely to get into the blood and be distributed to other parts of the body as from the infectious around the roots of teeth.

"But the poisons formed by the bacteria are very abundant, and are likely to be absorbed into the overlying gum tissue, causing a chronic 'bleeding' poisoning of the entire system.

"Disease of the lymph of the neck are especially liable to follow mouth infection in children. While it is not generally assumed that tuberculosis of the glands of the neck follows from mouth infection, it seems that it is more common in cases where children have badly decayed teeth. Cavities in the baby teeth may permit entrance for the germs of tuberculosis into the glands of the neck.

"Chronic mouth infection is extremely common, and especially so beyond middle life. The removal of infection about the teeth is, therefore, of great importance, but not nearly so important as the prevention of its recurrence. Knowledge of focal infection has greatly changed the aims and methods of the modern dentist. He is obliged not only to keep the teeth in good condition for chewing food, but must do this in ways that will prevent mouth infection. In addition, he is the best judge of the presence or absence of mouth infection, and of the methods that shall be taken to remove it."



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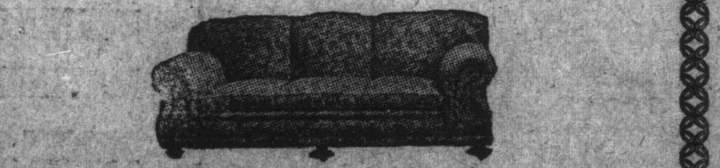
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**ANNUAL MEETING.**  
The annual meeting of the Newfoundland Football League takes place in the office of the President, on Saturday night, at nine o'clock.

**C. L. B. ELECTS OFFICERS.**  
A very enthusiastic meeting of the C.L.B. Old Comrades' Association was held last night, when plans and arrangements were decided upon in connection with the opening season's athletic games. The C.L.B. intend to put strong representatives in the various athletic meets and they are bound to be heard from. The election of officers for the football team, resulted as follows:—  
Manager and League Delegate—J. A. Hiscock.

**Ethylene Ready for General Use**

**TORONTO MEN LAUDED FOR WORK IN PERFECTING GAS.**

TORONTO, May 7. — (Canadian Press)—It was announced by Dr. F. H. McMeekan, executive officer of the Research Bureau of the Association of Anaesthetists, in the United States, at the meeting of the Canadian Society of Anaesthetists here yesterday, that through a discovery made about two weeks ago the last obstacle in the way of the general use of ethylene as an anaesthetic had been removed. The discovery and perfection of ethylene is attributed to Dr. James H. Cotton, of Toronto, and it has met with the approval of the medical profession, but the chief danger in its use in the operating room was said to have come from its explosive nature. Lately, however, through the work of the Research Bureau it was established that the presence of 35 per cent. of water vapor in the air acted as a complete preventative of these explosions.

In paying tribute to the work of Dr. Cotton, Dr. J. J. Buettner, of Syracuse, N.Y., mentioned the names of two other Toronto men, Prof. B. E. Henderson and Dr. W. Eason Brown, who he said had helped in the spade work in developing the anaesthetic. Ethylene, he said, had been established almost overnight, and now as a result of the work of the Toronto men the Research Foundation was about to present to the world a more highly purified ethylene made by the cotton process; and it was planned that, as in the case of insulin, the royalties would go to create the first endowment for further research in connection with anaesthetics.

In addition to his "spade work" in connection with ethylene, Dr. Buettner pointed out that last October Dr. Cotton had presented to the profession a new invention by which it was possible to make the gas on a commercial basis, instead of on the laboratory scale. The process took the form of the introduction of metallic catalysis in the process of manufacture, and it had been found that the new system had raised the yield of ethylene from 20 per cent. to 50 per cent. and had thus made it a commercial possibility, and had placed it at the service of the whole of mankind.

Dr. Charles H. Robson, of the Hospital for Sick Children, pointed out that each year there were 7,000 children put to sleep in that institution by the use of anaesthetics. One thing he insisted upon was that the medical profession must overcome its old false belief that a child did not begin to feel pain until it was seven days old. A child felt pain as soon as it was born, and just as keenly as would an adult. So anaesthetics must be administered no matter what the age.

**Hear the Madrigal Singers perform British choral music of three centuries, on May 14th, at Synod Hall.—may5,51.eod**

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Don't Say Paper, Say "Evening Telegram."

**World's Largest**

After nearly two years work, they recently broke through the barrier separating the Florida Sierras, the largest one of the great mountain ranges. Cut through the Sierras, 200 miles long, San Francisco connects the west coast with the east. An enormous power for California, 15 miles long, more than the longest in the Swiss Alps. The California coast of \$17,000,000.

When all the works are finished, the addition of 1,140,000 electrical miles of the state. Huntington Lake, the two-way tunnel. The 15 years ago by the San Joaquin above sea level, using its water line. Due to the Angeles and its mountains, more engineers, the storage of water by creating another north. Known as the San Joaquin River, Huntington Lake and its additional power.

The greatest of the two lakes, 15 miles thick. This meant cost of one foot across and long.

The contours of the mountain range from side canyon into two-way six crew, one at each end, and two drills from each canyon. The drills were matic pressure, their force and made possible the time of men's work after each. New records of placement of the job 12 feet good progress records as high as one head crew of one foot and granite.

For hauling camps, making tracks, and those who did 800 men were the county of snow through the forest in progress. November 1924, team and driver the Klondike emergency camp in winter. It kept the men who were behind. Radio was used, operations in the amazement of the engineers' capabilities. Florence, La., Then, when the opposite direction in the center found to be very.

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at the Casino.

**Women A**

LONDON, Eng. (Press)—An engine announcing the of the English women unattractive as table. Few people him, the dinner a high burgess cook but is it not able. Women are noted for food. They will be age and some shades of white. It is men to any and men who cooks. Finally, teaching you recently should enjoy good food. Could not have this treasure? Women should with a man who would share the