## POOR DOCUMENT

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THE EVENING TIMES AND STAR, ST. JOHN, N. B., SATURDAY, AUGUST 18, 1917



#### **CAN EXERCISE RELIEVE DEAFNESS?**

Defective hearing is a bitter, hard affiction, and no imaginary ill. And if there is even a remote possibility of effecting improvement in the important faculty of hearing by methods of the sort described in the following paragraphs, we shall be well repaid for their publication. The statements here made are quoted from an address recently made by Prof. Fernet before the French Academy of Medicine and republished in the "West Virginia Tablet."

(By Professor Fernet)

I will now give a detailed description of the exercises. They are divided into three series, exercising successively the muscles of the external ear and of the Eustachian tube. They are as useful to the sense of hearing as the accommodating muscles of the eye to that of sight. The muscles of the eye to that of sight. The muscles of the eye to work the sense of hearing as the accommodating muscles of the eye to that of sight. The muscles of the eye to work the sense of hearing as the accommodating agents for that apparatus of perfection, the apparatus of perfection, of the exercises. They are divided into three series, exercising successively the muscles of the external protected from the muscles most remote to those nearest to the ear drum, within is the principal object to be reached.

In the first exercise, which may be described as making faces, you contract usessively the different muscles of the into the except when the protected from the muscles of the external without violent effort. The patient should endeavor to make them troady in without violent effort. The patient should endeavor to make them stronger and the external muscles of the ear drum. Thus my system of oral gymnastics ends in making the muscles of the delicate are drum contract with the external muscles.

The active and systematic use of these muscles of the external muscles of the external muscles of the external without violent effort. The patient should endeavor to make them stronger of the external muscles of the external muscles of the external without violent effort. The p

OUR thirty-two teeth

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gen is nature's great puri-fier. It kills the germs of disease. Purifies the mouth and breath and helps to ar-rest decay of the teeth.

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ovement of regeneration, which characterizes life, though in a reduced degree. We may, therefore, hope to bring them

a better condition by stimulating heir nutrition. The benefits obtained by oral gymnastics are due primarily to the stimulation of the nutritive supply of the various parts. This helps to repair the ravages caused by disease and to keep the organ in an invigorated conditios.

Very often deafness is due to functional inertia and to the atrophy which follows the condition. These cases have a progressive character, which is a necessary consequence of the functional inertia. If only one ear is affected the subject instinctively uses only his good ear and the other ear atrophies from lack of use. If the two ears are equally affected, the inertia is less, but none the less it exists because the sufferer tends to isolate himself from the world thus

tics would correct both these classes of

I will now give a detailed descrip

ing, aiming to reach the bottom of this opening. This is how functional activity is imparted to the little bones in the ear and to the drum itself.

The third and last series consists of exercise to contract the muscles of the Eustachian tube. These exercises are the most difficult of all.

The patient can perform them by making a movement as if to swallow food, well at the back of the nasal cavity, accompanied by the simultaneous contraction of the superior constrictor muscle of the pharynx (top of the throat) and the muscles of the soft palate. In the effort at swallowing the back part of the tongue participates naturally.

It is raised up at the same time as the soft palate. You should feel all these parts move at the same time through the close bond that joins them. To strengthen the Eustachian tube, the patient should also practice breathing in with a snorting noise, keeping his

nouth closed.

Oral gymnastics should be performed slowly, leaving between the various ex-cricses sufficient time to avoid the fatigue which haste would surely entail. It is advisable to perform between each series physical exercises of a different character, such as breathing exercises. You must not forget that to obtain a satisfactory result great patience, perseverance and an intelligent preliminary instruction are necessary.

#### RADIUM LOOSENS STIFFENED JOINTS

Results in Treating Six Cases Following Tuberculosis

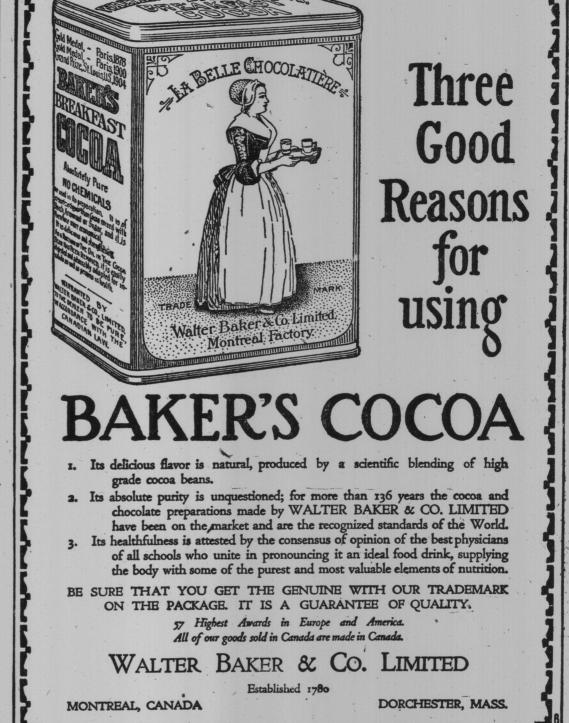
Details of the Treatment-It Was Given Both Internally and Externally and Had the General Effect of a Tonic

The active and systematic use of these muscles has the effect of massaging the car drum, bones and nerves, maintain ing their blood supply and mutition and of protecting them against atrophy. The exercises are principally useful in keeping the exterior and middle ear; muscles are supplied by the same nerve, the facial ingood condition. I would not dwell too much on their value in connection with the auditory nerve, but their effect can only be good.

I describe my method of training the same such as the same of a supplied by the same and associates them in their salue in connection with the auditory nerve, but their effect can only be good.

I describe my method of training the car as "oral symmastics." It is applicable in all cases where deafness is due not to an irremediable lesion of the make it more supple by massaging it the same they have been made with raidium in the larger doses were given about to a change in the apparatus for the lesions of the middle ear.

The second series, which is even more more dose of the skull and the external near the same transport of the skull and the external mount of persecutions are considered to the same may restore mobility. But the results of its employed ment did not come up to expectation, may find the come up to expectation, may restore mobility to reimportant, consists in accreting the muscles of the skull and the external may be interested to one to the skull and the external may restore mobility to the time the same and associates them in their muscles. The same and associates them in their muscles are the muscles with the auditory nerve, but their effect can be muscles with the auditory nerve, but their effect can be muscles with the auditory nerve, but their effect can be muscles with the auditory nerve, but their effect can be muscles with the auditory nerve, but their effect can be muscles with the auditory nerve, but their effect can be muscles with the auditory nerve, but their effect can be muscles with the scale muscles and the muscles are the muscles and



patients themselves insisted that they felt better under the treatment.

The results locally were more or less definite even before any mobility was shown. A looseness was felt in the knee, more noticeable in the mornings than after use. When movement bega to be perceptible the knee assumed a slightly flexed position and offered a lit-

reased. These or swelling was never present.

"Since this is but a preliminary report, much is yet to be worked out before definite results as to permanency of cure or relief can be assured. As Nutt suggests larger doses may hasten the process of recovery with perfect safety and other combinations of methods in administration of the radium may ods in administration of the radium may give quicker or surer results.

### **Determined To Be** Still In The Game

(Amherst News.)
We had a very cheery letter from H.
V. Wallace yesterday, former city editor of the News. Mr. Wallace went overseas with the 25th regiment and applied to be put on the Royal Flying Corps and expects to be accepted. He said the part that strikes him funny is that while he cannot march with a "bum pin" yet he anticipates passing the examinations successfully as a bird man. veral times by the officers of the R. F. His final examination was due to



slightly flexed position and offered a little difficulty in straightening, though this did not appear to be the same expression of muscular spasm as is met with in active kneejoint disease, but was rather an uncertainty of the muscles with regard to relaxation as motion increased. Heat or swelling was never the committee's informant, whose name is withheld, said there were 8,000 and towns without a single inhabitant.

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was severely wounded early in the war while on scout duty. He was in a hospital for eleven months without being able to get on his feet as his hip was, badly shattered by German shell; he had an additional six months in hospital had an additional six months in hospital convalescing and for the last eight months has been doing clerical work with different regiments. He was attached for some time to the 104th, under Lieut.-Colonel Fowler and writes us to the effect that he is the sole member of that regiment now in England as the others are on the firing line, and at present he is attached to a Quebec regiment at Shoreham, Sussex, England. The medical authorities have declared him unfit for infantry duty and he has been offered several clerical positions in connection with hearith positions. tions in connection with hospital and other military work, but he has lately He has secured all his papers from the Canadian forces and has been tested out

THE WORST POSSIBLE

take place a day or two after the date of his letter. A FRANCE WILLIAM ST., ST. JOHN, N. B., and Principal Cities.