

the town council to consider the best means of preparing a product from the mineral water containing *all its ingredients* soluble in water. In accordance with the directions given by Professor Ludwig, the natural Carlsbad sprudel salt, sold in powder form, is prepared in the following way: The sprudel water is overheated. This causes it to drop a precipitate which is removed by filtration. The filtered liquid is then concentrated by evaporation until it is reduced to a residue of salt and while still moist this salt is saturated with the carbonic acid so freely given off by the sprudel springs. The two processes described are carried out at different stages and in different localities. The salt is produced at the salt-works and its saturation with carbonic acid gas is effectuated in the Sprudel Hall. The object of saturation of the salt with natural carbondioxide is to retransform the monocarbonates of lithia and soda, as resulting from the process of concentration into bicarbonates, thus bringing them back to exactly their original condition when still held in solution in the natural Carlsbad water. From this explanation it will be seen that the natural Carlsbad sprudel salt as now prepared and sold in powder form approximates in chemical composition as nearly as possible to the mineral water, containing all the soluble constituents of the spring as in the sprudel water and in the same proportions and combinations (soda being present as bicarbonate).

The natural Carlsbad sprudel salt (powder), prepared since 1882, according to the method recommended by Prof. E. Ludwig, of Vienna, is a white powder of a mild, somewhat salty-bitterish taste.

It is preferable to the other (crystallized) also on this ground, that it is not deliquescent at a high temperature, *it is also more palatable than the crystal salt.*

Its composition, according to Prof. E. Ludwig, is as follows:

Carbonate of lithia....	0.20 per cent.
Bicarbonate of soda....	36.11 "
Sulphate of potash....	3.31 "
Sulphate of soda.....	41.92 "
Chloride of sodium....	18.19 "
Fluoride of sodium...	traces
Borate of soda.....	0.03 "
Anhydride of silicic acid, oxide of iron, lime and magnesia.....	traces
Moisture.....	0.44 "

Accordingly it is the very best substitute obtainable for the natural water. Only the useless earthy carbonates (manganese, lime, iron, magnesia) and silicic acid are absent. It is a triumph of modern chemistry to be able to yield such a

preparation. If by any chance it should happen that the salt thus obtained does not show upon analysis to contain the exact proportion of such constituent, then the product is thrown back into the sprudel water and the whole process is gone over again.

By these means purchasers are assured of the proper composition of the article which they buy.

The Natural Carlsbad sprudel salts (both crystallized and powder) are put upon the European Continental market in square glass-bottles containing 125 and 250 grammes, and for Transatlantic export in round glass-bottles of 100 or 200 grammes each. All such bottles have the trade-mark both on the label and on the strip of paper surrounding the neck of the bottle and bear in addition the signature of the Karlsbader Mineralwasser-Versendung Lobel Schottlander Carlsbad, Austria.

Protose.

(PROTEIN-VEGETAL.)

Protose is the name given to a food preparation of exclusive vegetable origin, which has been recently put to a severe test in the Kingston Military College.

It contains a very high percentage of proteid matters, whose digestibility it has been sought to make so easy that even patients afflicted with wasting diseases will be able to assimilate it without difficulty and without getting tired of its taste.

According to an analysis and experiments of artificial digestions which were made by Dr. R. F. Rutton, Professor of Practical Chemistry of McGill University, Montreal, protose, while being nearly six times richer in proteid matter than meat, and seven times richer than eggs are, is digested in almost the same space of time.

The official test which we have mentioned that was made at the Military College was done through permission of the Minister of Militia. It was controlled by the director-general of the medical staff, Surgeon Lt.-Col. Neilson, of Ottawa; Lt.-Col. Drury, of A Battery, R.C.A., Kingston; Major Fergus, of A Battery; and other officers of Her Majesty's permanent forces, stationed there.

This test proved beyond question the value of protose, or protein-vegetal, as a food for military, exploring, or mining purposes, occupying, as it does, a mini-

mum of space, and retaining its properties indifferently.

During the past twelve months numerous experiments have been made by Dr. F. E. D'Avignon, of Montreal, in the different forms of digestive nutrition, and in order to form a conclusive opinion as to its success in the treatment of dyspepsia, obesity, excessive leanness, and also in diabetes, and the results obtained were *eminently satisfactory.*

Dr. Dame, of Winnipeg, Man., who observed the symptoms and controlled the analyses of the urine during the whole period of the protose treatment, expresses his opinion in the following manner:

Winnipeg, Man.,

November 18th, 1898.

... The protein treatment is really wonderful in diabetes. To-day's test gives 50 ounces of urine, hardly a trace of sugar visible by Fehling's Solution, the color natural, and specific gravity 1021. C. is not to-day the same man at all. ... When Mr. C. has taken his ordinary dose or meal of your "Protein," he can hardly eat anything else, and does not get weak or hungry for the next twelve or fifteen hours. Now this man could not do without engulphing a couple pounds of steak every meal, and felt weak and hungry an hour before the next meal time.

"This preparation is now being placed before the physicians of Canada by the 'Hatch Protose Co.,' of Montreal, and there is no doubt of its becoming a very desirable adjunct in the treatment of ailments which we have enumerated."

Increased Telephone Service.

We note that the Lyman Bros. & Co., Limited, have added another telephone to their service on account of the continuous use of the other lines. The new number is 8167, and has a switch to Mr. Hay's desk. Their complete system is as follows:

604 city orders, waiting orders, shipping, etc.

1728 city orders, sample room, financial office, and Mr. Watt.

8167 city orders, quotations, and Mr. Hay.

The telephone has become so useful in ordering goods, that the druggists will certainly appreciate L. B. & Co.'s enterprise in placing at their disposal such an adequate service.