

## Scientific and Sanitary.

The syndicate has been formed to tunnel the Great St. Bernard, connecting Turin and Lausanne by rail.

A device for registering the number of times telephonic apparatus is used for conversation, and, if desired, the duration of such conversations, has been invented by August Munch, of Charlottenburg, Germany.

Roentgen rays may be used, according to a German authority, for discovering larvae of insects infesting grapes and other fruits. They can be photographed inside the fruit, or, better yet, observed with the fluoroscope.

No fact is better established than that the meats of animals that have suffered just before dying are more or less poisonous. Even fish that are killed as soon as taken from the water are more wholesome than those that die slowly.

The production of aluminium has increased so enormously in the past decade that the development in working it has also been great, and we find results to-day which three years ago were hardly believed to be possible.

When the eyes ache close them for five minutes. When they burn bathe them in water as hot as can be borne, with a dash of witch hazel in it. After weeping bathe them in rose water and lay a towel wet in rose water over them for five minutes. When they are bloodshot sleep more. When the whites are yellow and the pupils dull consult your doctor about your diet.

The production of ozone on a commercial scale has given very satisfactory results in cases where it has been attempted, and will shortly be introduced in several of the large cities in Europe. The field is one which offers an opportunity for profitable invention, and will doubtless therefore be soon occupied by American inventors. The production of ozone in connection with existing water works is worthy of investigation on the part of municipal authorities.

In connection with treatment for delirium tremens Dr. Letulle speaks of the various drugs that have been used and recommends cold baths, not a simple douche, but immersion of the whole body in water at the temperature of 64.4 degrees Fahrenheit. The head should be cooled by large waves of water. The bath should last eight, twelve or fifteen minutes, according to the reaction of the patient. The baths may be repeated every two or three hours. It is concluded that these baths possess a sedative and calming action upon these cases.—*La Presse Medicale.*

According to a recent paper by M. Repin, says the Electrical Engineer, ozone readily destroys bacteria of the various kinds to be found in drinking water, together with any organic substances which the same may contain, but leaving unchanged any medicinal properties possessed by mineral substances in solution, so that the most polluted river waters, it is claimed, may be thoroughly sterilized in a manner preferable to either boiling, which removes the air contained in the water, or by filtering, which process, although it removes impurities in suspension, fails to act upon those which have been dissolved.

Darwin's suggestion that the boring of a coral reef would be the wise way to settle the question of its mode of formation is at last to be acted upon. Professor Sollas is in charge of an expedition which started last May from Sydney, fully equipped for boring one thousand feet if necessary, for the Island of Funafuti, one of the Fiji group. This island is said to be a typical atoll. It is about fifteen miles in circumference. Darwin believed that coral rests upon subsided rock, while others hold that an accumulation of sediment forms the basis of every atoll. The little coral polyps are well worth greater study. They live like bees in great communities and their submarine hives, so to speak, are among the most mysterious wonders of nature.

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