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SCIENTIFIC AND SANITARY.

Dr. Fairfax Irwin, United States Marine
Hospital Service, has gone to St. Petersburg to
investigate Russian cholera.

A concession has been secured by an Amer-
ican for the construction of an electric railway
between Tokio and Yokohama, a distance of
about thirty miles. Two American engineers
are said to be now on their way to Japan in
connection with the matter.

Excavations in Oisseau le Petit, Depart-
ment of the Sarthe, France, have revealed a
Gallo-Roman city, which appears to have been
destroyed by an earthquake. The city prob-
ably contained some 30,000 inhabitants, but
its name is not known in French history. The
ruins include a great temple, part of which is
still standing, also a theatre and monuments.
—*Engineering and Mining Journal.*

If the reported results of recent researches
in diphtheria by the Bacteriological Bureau of
the New York Health Department are con-
firmed they are extremely important. The
power to transmit the infection of diphtheria,
it is found, lingers sometimes for as much as
twelve days and occasionally three or four
weeks in patients who have made an apparent-
ly perfect recovery from this most deadly dis-
ease. — *New York Herald.*

In an oxy-magnesium lamp for photograp-
her's use, the oxygen enters the lamp from a
cylinder and common gas at either normal or
higher pressure is used. The battery is blown
out in the shape of an organ-plan, but the pure
oxygen in contact with its outer and inner
surfaces. Above the flame is metal piping to
convey the white smoke into the aluminium.
Burning the magnesium in pure oxygen in-
creases its actinic power 12 times.

Experiments in magnetizing and concen-
trating the low grade soft, red ores of some
Southern districts are in process, and said to
be so far promising of good results. The con-
sulting chemist of the Tennessee Coal, Iron
and Railroad Company, operating upon
3,000 pounds at a time of the crude ore which
contained forty per cent. of iron and 29 of
silica, has been able to secure 57 per cent. of
iron and reduce silica 10 per cent. — *Age of
Steel.*

According to the London *Engineer*, there
are at present 47 oil tank steamers afloat, rang-
ing in size from 666 to 4,134 tons gross, while
no less than 17 more are at present being
built at European yards. The Dover (England)
Harbor Board has closed arrangements with an
oil company for the erection on the docks of
large oil reservoirs, which are to be construct-
ed by next summer, when oil tank steamers
will make Dover a depot for the South of Eng-
land and run regularly between there and
Russian and American ports.

The deepest boring of which we have any
knowledge up to the present time, says *Revue
Scientifique*, is at Parvshowitz, in the district
of Ribnik, in Western Silesia. The depth at-
tained is 6,568 feet, and the diameter of the
hole is only 2.75 inches. The work has been
temporarily stopped in order to lower especial
thermometers, which have been made with
great accuracy, into the hole for the purpose of
obtaining the temperature at different depths.
The boring will then be resumed, and it is
hoped that the depth of 8,200 feet will be
reached.

In a German medical journal, Dr. P. Fur-
binger treats of the peanut as an article of food
rich in albumen, of which it contains 47 per
cent., together with 19 per cent. of fat and
non-nitrogenous extractive matters. He re-
commends the use of roasted peanuts in the
form of soup or mush. On account of their
cheapness peanuts are recommended as a pop-
ular article of food, especially in poorhouses
and the like; moreover, they are recommend-
ed as an article of food for the corpulent, di-
abetics and for the subjects of kidney disease,
in the last mentioned of whom foods rich in
animal albumen are to be avoided. — *New York
Tribune.*

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