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SCIENTIFIC AND SANITARY.

The Philadelphia Board of Health has re-
fused to declare consumption to be a contagi-
ous disease.

The number of medical women in Great
Britain is now 186, and of these 20 have be-
come members of the British Medical Associa-
tion.

Scotch manufacturers of carbon disulphide
supply most of the French demand for this
article which is extensively used in the des-
truction of phylloxera on grape vines. French
manufacturers do not like it.

According to the latest reports there are in
the world 140,344 nautical miles of sub-marine
telegraph cable. Of this total the various
governments own 14,480 miles of cable and
21,560 of wire; the balance is owned by pri-
vate companies.

It has been found by Saville-Kent that the
pearl oyster reaches maturity in a shorter
time than formerly supposed. He thinks that
under favorable conditions a period not ex-
ceeding three years suffices for the shell to at-
tain to the marketable size of eight or nine
inches in diameter, and that heavy shells of
five-pound or six-pound weight per pair may
be the product of five years' growth.

The Massachusetts State Board of Health
concludes, from investigations of artificial ice,
that artificial processes of freezing concentrate
the impurities of the water in the inner core
or the portion last frozen, that the impurities
are least, if distilled water is used, that the
number of bacteria in artificial ice is insignifi-
cant, under the prevailing methods of manufac-
ture, and that the amount of zinc found in ice
is insufficient to cause injury from its use.—
Scientific American.

The Commissioner of Patents has initiated
an innovation that will be of value to inven-
tors and the public generally. The *Patent*
Office Gazette now gives a list of patents ex-
piring each week. The date of issue of each ex-
piring patent is also given. Electrical people
by this means will know from week to week
the state of the electrical business, as regards
the patents covering electrical inventions. The
new departure will, no doubt, be greatly ap-
preciated.—*Electricity*

Steam boiler and engine statistics, gathered
in the German Empire, show that at the be-
ginning of 1893 there were in operation 81,000
stationary boilers and 78,936 stationary en-
gines. Statistics gathered by the General
Electric Company, of Berlin, Germany, show
that electric street railroads are now in opera-
tion at Helle, Gera, Breslau and Essen, while
at Chemnitz, Dortmund, Lubeck and Pauen
such lines are now being built. All of these
have the overhead system of transmission.—
Railroad Gazette.

Micro-organisms are present in the air, the
water and the earth. They are not only on
the earth, but the upper layers of terrestrial
crust are teeming with them. They are car-
ried by the atmosphere as dust, and deposited
upon the surface of all objects. They exist in
vast numbers upon and in the human body.
They are present with the body in life, and do
not leave it in death until it is resolved into
the elements. Hence there can be no doubt
but they are an important factor in nature.—
Ohio Dental Journal.

A mining expert sent to investigate some
Arizona properties for Denver capitalists re-
ports the finding of a most remarkable bridge
formed by a tree of agatized wood, spanning a
canyon 45 feet in width. The tree had at
some remote time fallen and become imbedded
in the silt of some great inland sea or mighty
water overflow. The silt in time became
sandstone, and the wood gradually passed
through the stages of mineralization, until it
is now a wonderful tree of solid agate. In af-
ter years, water washed and ate away the sand-
stone until a canyon 45 feet in width has been
formed, the flint-like substance of the agatized
wood having resisted the erosion of the water-
flow.—*Jewelers' Journal.*

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ATISM NEURALGIA, Frost-
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