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tions entitling the winners to free tuition are annual-
ly open for competition. Winter Term begins Jan-
uary 8th.
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The Siamese instruments of torture are,
we are told, made in England, and bear the
trade mark of a prominent Birmingham firm.

Thomas Payne King, one of the famous
"Six Hundred" of Balaklava, who since
became a miser, dropped dead in the streets
of Wichita, Kan., recently.

The first published work of Robert Louis
Stevenson was a booklet in thin paper
covers, entitled "The Pentland Rising,"
and brought out in Edinburgh in 1866. A
copy of this small and now rare pamphlet
was lately purchased by a bibliomaniac for
\$40.

An official notice has been issued in
Russia that "physicians shall have the
right to make use of hypnotism in the treat-
ment of their patients. In every case of the
application they must inform the adminis-
trative authorities, at the same time giving
the names of physicians in whose presence
the patient was hypnotized."

I CURED A HORSE of the mange with
MINARD'S LINIMENT.
Dalhousie. CHRISTOPHER SAUNDERS.

I CURED A HORSE, badly torn by a pitch
fork, with **MINARD'S LINIMENT.**
St. Peters, C.B. EDWARD LINLIEF.

I CURED A HORSE of a bad swelling with
MINARD'S LINIMENT.
Bathurst, N. B. THOS. W. PAYNE.

SCIENTIFIC AND SANITARY.

By the device of an Italian seismolo-
gist, an earthquake shock is, we are in-
formed, made to light an electric lamp for
a quarter of a second, causing the face of a
chronometer to be photographed and thus
registering the precise time.

A congress of archaeologists at Rome is
proposed for 1895, to be held at the time
the International Fine Art Exhibition is
to be open. Special excavations laying
bare the rest of the Palace of the Cæsars
are suggested as an attractive function.

The tunnels of the world are estimated
to number about 1,142, with a total length
of 514 miles. There are about 1,000 rail-
road tunnels, 12 subaqueous tunnels, 90
canal tunnels and 40 conduit tunnels, with
aggregate lengths of about 350 miles, 9
miles, 70 miles and 85 miles respectively.

The following represent the best meats
for children, in the order of their digesti-
bility: Cold mutton, mutton chops, veni-
son, tenderloin, sirloin steak, lamb chops,
roast beef, rabbit meat and chicken. Veal,
pork, turkey, goose and duck should be ex-
cluded from the children's bill of fare.—
Popular Health Magazine.

The question whether or not the bronze
age in the East succeeded to one of copper
has been enlightened by Berthelot of the
Institute of France. His analysis of fig-
urines in metal found on ancient sites of
Chaldea, gives pure copper without a trace
of the tin which was the common alloy for
the production of bronze.

Recent experiments show that the use
of ozone as a disinfectant is futile. The
gas, to be sure, is fatal to disease germs,
but only when it reaches one-tenth of one
per cent. of the atmosphere, and long be-
fore this it renders the air unfit for respi-
ration. There is also much practical diffi-
culty in its production in such large quan-
tities.

The Tyrians were the most expert
dyers of ancient times. The fabrics dyed
with the famous Tyrian purple did not as-
sume their proper color until after two
days' exposure to light and air. During
this time they passed through a gradation
of shades of yellow, green, blue, violet and
red, which the dyers understood how to
arrest and fix at any moment.—*Baltimore
Herald.*

One serious difficulty in the way of
using excessively high steam pressures is
that the attendant heat renders lubrication
uncertain and unsatisfactory. To substitute
graphite for oil in such cases would afford
relief. Hence the value of a device lately
invented for automatically feeding graphite
to a steam engine cylinder. The material
is first pulverized, and then discharged in a
dry powder at a rate easily regulated from
a cup on the cylinder.

M. F. Walter has found that an alloy
consisting of ninety five parts of tin and five
parts of copper adheres so tenaciously to
glass that it may be employed as a solder
to join the ends of glass tubes. It is ob-
tained by adding the copper to the tin pre-
viously melted, agitating with a wooden
stirrer, casting or granulating, and then
re-melting. It melts at about 360 deg. C.
By adding from a half to one per cent. of
lead or zinc, the alloy may be rendered
either softer or harder, or more or less
easily fusible. It may also be used for
silvering metals or metallic thread.—*Revue
Scientifique.*

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Other Chemicals

are used in the
preparation of

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Spectroscopic observations made by Mr.
A. F. Miller, of Toronto, on the small lumin-
ous beetle, *Photinus corruscus*, go to show
that the whole energy devoted by the in-
sect to light-production is expended in giv-
ing out those rays that most powerfully
affect the eye; and his investigations there-
fore support Prof. Langley's conclusions
that nature produces the most economical
kind of light.

The first medical college worthy the
name established by the Chinese Govern-
ment was recently opened with formal cere-
mony at Tientsin. The project owes its
origin to the Viceroy of China and his
wife, who constructed the buildings and
placed the direction in the hands of a grad-
uate of the University of Dublin, selected
by the late Sir Andrew Clark. Twenty
well-educated English-speaking Chinamen
have enrolled themselves as students, and
the work of instruction has already been
begun.

A recent book on South America des-
cribes great storms of dragon-flies which
may be seen on the pampas and in Patago-
nia during the summer and autumn. The
dragon-flies are of a large, light-blue varie-
ty and fly at these times in enormous flocks,
moving with a speed of from seventy to
eighty miles an hour. They always pre-
cede the strong winds prevalent in these re-
gions, but though they come from the di-
rection of the wind they always fly from
five to fifteen miles in front of it, so that
their flight seems to be the result of panic
rather than of the wind's force. In fact
these insects are able to fly if need be di-
rectly in the face of the wind, as has been
observed on several occasions in the Alps.