

POET - LORE

THE MONTHLY MAGAZINE OF LETTERS.

An American Number.

JUNE-JULY, 1893.

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 Dorothy Lunce.
 Emma Lazarus: Woman; Poet; Patriot. Mary,
 M. Cohen.
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 Early Women Poets of America. Mary Harned.
 A Talk on American Patriotic Poems. Char-
 lotte Potter.
 Emerson as an Exponent of Beauty in Poetry
 Helen A. Clarke.
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SCIENTIFIC AND SANITARY.

The best way to clean wells and cis-
 terns of foul water, is to throw down a
 peck of unslacked lime. The heat so
 caused, carries out the foul air with a
 rush.

Both American and foreign experts in
 navigation are advocating an extensive
 use of carrier pigeons on ships and smal-
 ler vessels, both at sea and on great lakes,
 to convey tidings homeward, especially of
 any serious accident.

"Terra cotta lumber," a baked com-
 pound of sawdust and clay, in which the
 wooden element burns out and leaves the
 brick full of cavities and hence rather
 light, is being substituted for tiling as
 a filling between iron beams in fire-
 proof buildings.

A movement has been started for the
 celebration of the hundredth anniversary
 of the birth of the illustrious Russian
 mathematician, Lobachevsky, who was
 described by the late Professor Clifford
 as "the Copernicus of geometry." He
 was born on October 10th, 1793.

In a paper mill near Blackburn, Eng-
 land, there is a Fourdrinier machine turn-
 ing out a sheet 145 inches wide. This
 beats the world's record for breadth; but
 as it runs at the rate of only 164 feet
 a minute, it is only about half as fast
 as some American machines.

Patents broadly covering the use of
 a trolley and overhead conductors for
 propelling cars were recently issued to
 Charles J. Van Depoele, and are controlled
 by the Thomson-Houston Electric Com-
 pany of Boston. It is said that over 4,800
 miles of railway in the United States are
 operated by the trolley. Other American
 electric roads have a total mileage of
 about 1,200 miles.

Porcelain is now being made in France
 out of finely powdered asbestos mixed with
 water and carefully kneaded. After the
 cups or other vessels are moulded from this
 material they are subjected to a heat of
 between 1,200 and 1,700 degrees centi-
 grade, or from about 2,000 to 3,000 de-
 grees Fahrenheit. At the latter temper-
 ature the dish becomes translucent. As-
 bestos porcelain is superior to that made
 from clay for certain chemical uses.

A simple substance for fireproofing com-
 bustible materials, has lately been brought
 forward by a Russian inventor, and its
 efficacy tested with very gratifying re-
 sults, under the auspices of the Moscow
 Imperial Society of Agriculture. In the
 public trials made, a shanty was built en-
 tirely of straw, and, after being covered
 with the paste, was subjected to a hot fire,
 the straw, under this operation, merely
 changed from a yellow to a reddish-
 brown colour, without igniting or even
 cracking. The society in question has, it
 is stated, decided to introduce this new in-
 vention or process throughout the empire,
 considering that it must prove of the
 highest value in villages where the houses
 are thatched with straw. The cost of this
 preparation, as well as of applying it, is
 said to be very slight. —New York Sun.

One of the first dynamite factories was
 founded at Isleton, Switzerland, about
 twenty years ago by Xavier Bender on the
 suggestion of Louis Fabre, chief engineer
 of the St. Gothard tunnel, in order to ob-
 tain means for blasting the rocks. The
 mechanical operations are mostly perform-
 ed by women and girls with simple mach-
 ines which are worked by hand. In deal-
 ing with the powder which contains a
 sort of dry mixture of nitric acid, sulphuric
 acid and glycerine, three women work at
 a table on which the apparatus is placed.
 The first woman, by means of a vertical
 handle, forces the powder from the reser-
 voir into a small cylinder. Out of this the
 powder, in the shape of sausage, issues
 and the second woman cuts it into pieces
 about three inches long; the third woman
 wraps it in oiled cartridge paper, care-
 fully covering it to exclude the wet, and the
 instrument is now complete.

June 10th, 1893.]

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 West.
 4.00 p.m. Local for London.

NORTH.

6.30 a.m. Elora, Fergus, Brampton, Teeswater,
 Harriston, Mt. Forest, Wingham, etc.
 1.30 a.m. For Orangeville, Shelburne, Owen Sound
 Harriston, Mt. Forest, Wingham.
 11.40 a.m. Streetville, Orangeville, in connection
 with Steamships for Port Arthur,
 Winnipeg, etc.
 11.30 p.m. North Bay, Pt. Arthur, Winnipeg,
 etc.

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