Noticeable Articles.

The North American Review for December contains a paper by that eminent jurist, Judge Cooley of Michigan, on Labor and Capital before the Law; and in the Fortnightly for November may be found, under the head of the Future of Industry, a discussion of the advantages of the association of Capital and Labor by the system of Industrial Partnerships. [Students of the labor question will also find, in a little book just published by Cassell, entitled "Workingmen Co-operators," a very full account of the surprising results produced by English workmen, by the system of co-operation among themselves.]

The North American contains Notes on Railway Management, by W. R. Ackermann. It also contains a paper on the British House of Lords, from an American point of view, by Mr. George T. Curtis, the historian of the United States Constitution. While Macmillan for November contains a paper by Mr. H. D. Trail on the alleged deterioration of the British House of Commons.

In the Fortnightly is a paper on Carlyle's life in London, by Mr. G. S. Venables, an intimate personal friend; while Macmillan contains one under the title borrowed from Carlyle's own lectures on Hero-worship, the Hero as a Man of Letters, which concludes thus: "The life of Emerson at Concord, and of Mill at Blackheath and Avignon, tend more to edification than the life of Carlyle with all its tumultuous emotions and all its strange celestial imaginations."

The Fortnightly has an anonymous paper on Mr. Gladstone, and 1st Summer's Phi Beta Kappa address at Harvard, by the English Professor Jebb, entitled Ancient Organs of Public Opinion.

The Contemporary for November has a paper by Sir E. J. Reed, the great naval constructor, on the British Navy, about the weakness of which the Pall Mall Gazette has recently got up a great scare. Prof. Seeley has a third paper on Goethe, and there is an interesting one by the eminent Belgian economist, De Lavelaye, entitled "Wurzburg and Vienna." "Going to Vienna to collect books and documents, with the intention of studying the results of Bosnia's occupation by Austro-Hungary, I take the Rhine route and stop two days at Wurzburg to see Ludwig Noire and have a talk on Schopenhauer," Noire invites him to subscribe to a statue to Schopenhauer, but he declines. "I feel persuaded," he says, "that two notions which at the present day it appears are very old-fashioned — I speak of a belief in God and in the soul's immortality — are at the basis of all social science."

There is a paper by Mr. Freeman on Greek cities under Roman Rule; one by Prof. Bryce, "Do we need a Second Chamber?" and one by Dr. Geffcken on Contemporary Life and Thought in Germany.

The Nineteenth Century has also a paper on the British Navy.

W. P. A.

Department Notes.

Two small steam engines are being constructed at the shops by mechanic arts students.

The Senior miners are having a course of lectures in metallurgy from Mr. H. M. Howe, the distinguished metallurgist.

The third-year miners are having a course of lectures from Mr. Clark, of the Mining Laboratory, on explosives and blasting.

Rich veins of gold have been discovered in Lake County, Minn., on the northern shore of Lake Superior. The discovery promises to be a valuable one.

Alvan Clark & Son are finishing the largest lens in the world. It has a diameter of thirty-eight and a half inches, and when completed will cost $20,000.

The department of mining engineering has received two rock-drills, loaned by the Burleigh and Ingersoll rock-drill companies, from which the third-year miners are to make drawings.

One of the third-year miners determined his alkalis in feldspar by mixture with carbonate of sodium. After weighing, he came out of the weighing room gently whistling, "We draw the line at that."

The largest locomotive in the world has just been completed at the railroad works at Sacramento. Its weight is more than one hundred tons, and it is propelled by five large drivers on each side.

Apropos to what was said in one of the late issues of The Tech concerning the use of petroleum as fuel in Russia, there is an interesting article upon the subject on page 869 of the Railroad Gazette.

The architects are to have, this winter, a life class, meeting Wednesday nights, and a class in drawing from the cast, meeting Monday nights. Mr. Mills gave instruction at the first meeting of the life class, and Prof. Létang will take charge of drawing from the cast. Such things as these are deservedly popular, for they give, as nothing else can, accuracy of eye, and strength and freedom of touch.