

Cosymmedian and co-Brocardial triangles, etc., to page 185. 6. Feuerbach's theorem, page 192. 7. Theory of inversion, and pedals, page 205. 8. Geometrical and mechanical constructions, page 212. 9. Theory of elimination, page 233. 10. Summation of series, page 233. 11. Binomial series, to page 240. 12. Algebraical and trigonometrical identities, to page 247. 13. Miscellaneous articles, to page 261. 14. Lengths of tangents and normals to a conic. 15. Some solutions. 16. Mathematical scholarship papers.

COMMON SCHOOL LAW. A digest of the provisions of common and statute law as to the relations of the teacher to the pupil, the parent, and the district, with five hundred references to legal decisions in twenty-eight different States. By C. W. Bardeen, Syracuse, New York, 1888.

This is a small volume of 120 pages—a regular *multum in parvo*. We know of no work in which the teacher can get the common law of the common school so concisely put up. We quote one paragraph, chap. ix. sec. 2. "The Schoolmaster's Castle."—The schoolhouse is the schoolmaster's castle. Upon this point the following forcible statement is fully warranted:

"This old maxim of English law (5 Rep. 92) is as applicable to the schoolmaster as to any other person who is in the lawful possession of a house. It is true that the school officers, as such, have certain rights in the schoolhouse; but the law will not allow even them to interfere with the teacher while he keeps strictly within the line of duty. Having been legally put in possession, he can hold it for the purposes and time agreed upon; and no parent, not even the Governor of the State nor the President of the United States, has any right to enter it and disturb him in the lawful performance of his duties. If persons do so enter, he should order them out; and if they do not go, on being requested to do so, he may use such force as may be necessary to eject them. And if he finds that he is unable to put them out himself, he may call on others to assist him; and if no more force is employed than is actually necessary to remove the intruder, the law will justify the teacher's act and the acts of those who assisted him." (Here follow references, "The Lawyer in the Schoolroom, 1871," page 120.)

SEA-SIDE AND WAY-SIDE is the first of a series of Nature Readers by Julia McNair Wright, and published by D. C. Heath & Co., Boston. It is intended for the use of beginners in reading. There is a delightful freshness and interest about each topic presented which cannot fail to excite the curiosity and attention of a child. To judge from the excellence of the first of the series, they would give abundant hints to parents, teachers of primary schools and kindergartners, for the instruction of young children.

BOOKS RECEIVED.

ARMY PRELIMINARY EXAMINATIONS, 1882-1887. London: MacMillan & Co., and New York.

WORDSWORTH'S PRELUDE, with notes, by A. J. George, A. M. Published by D. C. Heath & Co., Boston.

PRACTICAL LESSONS in the use of English, Books I. and II., by Mary F. Hyde. D. C. Heath & Co., publishers.

CARDINAL WOLSEY. No. 2 of the "Twelve English Statesmen" series. London: MacMillan & Co., and New York.

EXCHANGES.

The American Geologist for April contains many valuable articles, among which "Darwin and Geology," by Professor Claypole, is especially interesting. This fine monthly is published at \$3 per year. One of the seven editors and proprietors is Professor Edward W. Claypole, Butcher College, Akron, Ohio, U. S. A. . . . *The Microscope* is an illustrated monthly costing only \$1, and published at 25 Washington Avenue, Detroit, Mich., U. S. A. For the American microscopist it is by all odds the best journal for the money published anywhere. . . . *Science*, a weekly journal published at 47 Lafayette Place, New York, at \$3.50 per annum, is indispensable to every man wishing to keep abreast of the times. It devotes considerable attention to the record of Canadian scientific work of the Natural History Survey. . . . *The Argosy*, of Mount Allison, is one of the most interesting of college exchanges. . . . *The Colchester Sun* shows commendable enterprise in occasionally giving a short sketch and portrait of leading local men. This time it is their worthy new Mayor of Truro, Richard Craig, Esq. . . . *The Toronto Educational Journal* opens a scientific department under the able charge of Dr. Fessenden. This is a good sign of the times. . . . *Wide Awake*, for May, Messrs. D. Lothrop & Co., publishers, Boston, is a beautiful number. One feels that he has his money's worth in the illustrations of the first two pages—"Queen Louise and her Sons," and the poem and picture of the Spring Anemone. . . . *Popular Science Monthly* for May, published by D. Appleton & Co., New York, has many excellent articles, among which are "The Moral Influence of Climate," "The American Robin and its Congeners," "The Future of the American Indian," besides its usual full notes on literary, educational, and scientific matters. . . . *The Century* for May opens with the promised article on "Siberia and the Exile System," by George Kennan, which promises to be of such great interest to the student and general reader. Its other articles are, as usual, excellent, especially those on educational topics. . . . *St. Nicholas* for May, published by the Century Company, New York, has an interesting table of contents and illustrations. Its sketch of Girard College, "Ginseng-hunting," by John Burroughs, with other spirited and instructive articles, make up a superb number. . . . *The Illustrated London News* for May 5th contains a portrait of Matthew Arnold. Its sketches of scenery in lower California, in the same number, are very picturesque. The American edition of this world renowned periodical is published weekly in New York at the low price of \$4 a year. . . . *The Puzzler* is a unique little magazine and grows more and more interesting with each number. Published by N. D. C. Hodges, New York. . . . *The Swiss Cross* for May is bright and interesting, and full of just such material as the youthful worker in science requires. Published by the Science Publishing Company, New York. . . . *The Bookmart* for May, published by the Bookmart Publishing Company, Pittsburg, has been received. It has an interesting table of contents. . . . *The Scientific American*, published by Munn & Co., New York, in its issue of May 5th illustrates a simple and practical method for teaching geography. . . . *Forest and Garden*, published in New York, increases in interest with every number.