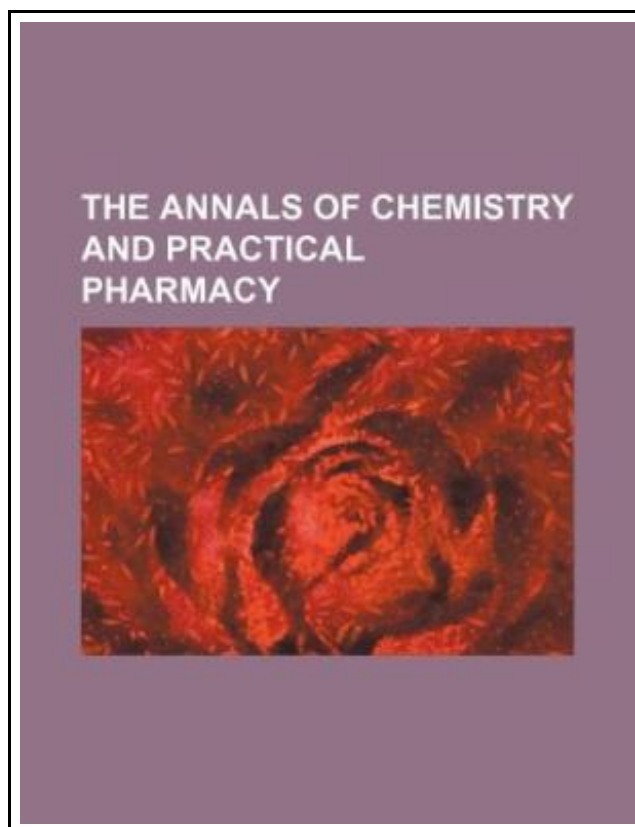


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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1843 Excerpt: . Art. XV.--A new Method of Preparing Cinnamic Acid. To the Editors of the Annals of Chymitry and Pharmacy. Gentlemen, --Having recently had occasion to prepare, amongst other chymical products, a quantity of cinnamic acid, and finding that Turner s process for making it from the oil of balsam of Peru was a tedious and expensive operation, and that the product was exceedingly small in proportion to the quantity of balsam employed, I was led to make some experiments with a view of preparing this acid more economically. This I soon found might be effected by distilling genuine balsam of Tolu, the price of which is now very low. On subjecting this article to a gentle heat in a retort, it fuses, and a little water and fragrant volatile oil first come over. These are succeeded by the cinnamic acid, which distils over in the form of a heavy oil, condensing in the cool part of the neck of the retort into a white crystalline mass. This gradually becomes contaminated with an empyreumatic oil that arises towards the end of the operation. The acid may be freed from this oil by pressure between folds of filtering paper, and afterwards dissolving in a large quantity of boiling water, from which it deposits on cooling in minute colourless crystals. This process is very productive: so much so, that the balsam of Tolu I employed yielded an eighth of its weight of pure acid--minus a few grains. I have...



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