TION.

DAMMING THE AMERICAN RIVER-AN ARTIFICIAL LAKE-THE DAR RIER SYSTEM.

under his observation having a foul water. bearing on the subject of irrigation. - Sacramento Record-Union. From an article published in the Placer Herald of some months ago, a brief outline of a plan designed to supply many of the wants, and SEA-SICKNESS.-The following exsuccessfully encounter many of the difficulties of the State will be reproduced in this writing. The fact is assumed without argument, that irrigation, navigation, leveeing and the suppression of that great and growing evil, hydraulic debris, are, peculiar kind of sea sickness, which one and all, to be controlled by the same agencies, and brought into use by the same means. In order that this may be apparent, a brief sketch of the proposed scheme is given. It is assumed that the construction of a barrier in the cañon of the American river to the height of 800 or 1,000 feet at a suitable point above Folsom would not in the least operate as an injury to any hydraulic mining of which this river is an outlet. All objections being removed, the practicability and use of such works is respectfully presented for the deliberate consideration and action of the public. It is a well known fact among miners that the strongest and most durable dam that can be built is that which is constructed of trees and brush with all the interstitial spaces filled with sand, gravel and sediment deposited by the water from the mines, which is heavily charged with a solution and mixture of these materials, the trees and brush being placed in the same order as shingling a roof. Say a proper base is prepared for this purpose, extending up and down the stream 300 feet. A stratum of trees in the order described is placed. In a short time this entire stratum is a solid mass of water-tight, compact masonry. A continuous repetition of this process, varied only by working to a design, will complete to any required hight within the compass of the canon the proposed barrier. A side chute for the permanent occupation of the river, it is easy to conceive, may be commenced and finished with the barrier, whose use and purpose will be for a waste away for safety. Considering a sufficiently clear idea of the design to be understood, an examination of some of its claims is presented. The first effect of such a structure will be the permanent | VALUABLE IF TRUE. - A writer stoppage of the waste material in the St. Louis Globe-Democrat is from the mines; the next will enthusiastic over the discovery be that the water will be suffi- that a variety of the smart weed ciently filtered so as to be which grows wild in Missouri in clear and pure in appearance, but such profusion as to be a nuisance, not really so. From this point surpasses bark in its tanning qualito the ocean it bears no menace ties. As its only cost is that resultwith it. This much being accom- ing from the labor of cutting and plished, it requires but little engi- stacking it, say \$5 a ton, while bark neering knowledge to understand costs in that State \$112 per ton, it is that an excellent site for an artifi- a gued that hereafter millions of cial lake has thus been formed of hides will annually be made into and from two to two and a half sent to the Eastern States to be miles in width. Now supply this tanned, which involves the expense lake with proper waste ways and of transportation both ways for the cutlets for safety and distribution, leather consumed in the West, beand repeat them in every mining sides paying the Eastern capitalists river in the State until they can be and merchants for work which furnished. counted by the hundred, then could just as well be done at home. is it a shock to public credu- It is said that this plant yields at lity to assert that the storms least 10 per cent. of tannic acid of winter may be gathered -an analysis by the Nebraska IMPORTANT TO THE TRAVELING and controlled so as to be of im- State chemist gives nearly 22 per mense benefit in preventing the cent. from the root and 17 to 19 calamities of inundation? And per cent. from the plant, hempendupon any system for its supply from 11 to 13 per cent. But even of water which does not embrace if the result stated by the Nebrasthe idea of gathering the storms of ka chemist is correct, it does not winter for its use? Mining experi- follow that this weed will make as

accomplish one-half of what is pects, but is liable to return to a practicability and cost should in- hide, which is not the case with connections. be practicable, but the cheapest and ever, that actual experiment has

not receive vast benefits from it.

SAVING WATER FOR IRRIGA- try to be found. A system of this than bark-tanned leather can be kind when entered upon will give made with this weed in fifteen days employment to many useful im- less time; and that one ton of the migrants who are coming among | plant will tan 400 pounds of leather, us, and will be of vast importance while the same weight of bark will in gathering immense quantities of produce but 175 pounds. - Ex. water, in settling feuds and difficulties which are certain to spring Eds. Record-Union: From an from a scarcity, and which also experience of twenty-five years in will bring the State to its full agri- community property was sold the California as miner and ditch oper- cultural status in the shortest time, other day under a foreclosure of ator, the writer ventures to give to and will also avert many calami- mertgage. the public such facts as have come ties by insuring pure, instead of

> perience of Capt. R. C. Coleman, of the American rifle team, was obtained from a member of his family, and of course is authentic. The captain, soon after getting out of 1852, and leaves a husband and three chilsight of land, was attacked with a dren. is very rare, it affecting not more than one in a hundred passengers. Instead of developing in the ordinary form of terrible nausea, it affects the brain, producing delirium years, seven months and fourteen days. and all the symptoms of brain fever. If the patient remains in this condition until he reaches land, or even feels a land breeze, he may tographs, go to Sutterley's fine Galtured. recover, but a recovery from this disease under other circumstances than those mentioned, that is, while on board the ship away from land, melencotypes, 50cts each, nicely is sure to be followed by ship-fever, | colored. which is certain and almost immediate death. The fever and delirium lasted during the entire passage over, and his comrades were almost If you want good digestion, certain that he would be too much unstrung to shoot in the team. He recovered rapidly, however, on reaching land, and his practice soon proved that his ability to hit the bull's eye was not impaired. The captain was informed by the ship physician and other high medical authorities that he had had a narrow escape from death, and that he ought not to cross the ocean again. Under such circumstances he very naturally dreaded the return voyage, but it had to be attempted at any risk. Soon after starting on his return he was attacked the same as before, though even more severely. He remained delirious the whole time, however, until the vessel reached Sandy Hook, and escaped ship fever. It was a severe experience, but considering the fact that but few affected as he was survive a second ocean passage, he feels that he was very fortunate. Though he returns covered with honors, it would take greater inducements than the victories of Dollymount or Wimbledon to tempt him to cross old ocean | sion, please present them. again .- Middletown (N Y.) P.ress.

what is more, can agriculture de- lock and oak bark yielding ments have fully demonstrated the good leather as bark. There are great poverty of any plan of ditch- peculiar properties for making good ing which does not also carry leather found in bark that, so far as with it large reservoirs. For the generally known, have never been benefits of navigation this plan is equalled in any other material. confidently given. Who will say More or less tannic acid is found in that the expedient of wing dam- almost every plantt hat grows, and ming in order to open a stream up in some the percentage of tannin to navigation is in any respect is as high as from 44 to 50 per cent. equal to it? It is too much to Yet the leather produced by the claim that the system of leveeing use of these plants has never come to reclaim overflowed lands may into favor, and that made from some of them is not only had in If, then, the barrier system will color and defective in other reclaimed for it, then nothing but its condition very like that of raw terfere in having them. The wri- bark-tanned leather. The Globeter not only believes the plan to Democrat correspondent says, how-

That Valcour Island frre - love

DIED.

At East Canyon, October 14th, 1875, after AN EXTRAORDINARY KIND OF daughter of Reddin A. and Julia A. Allred, aged 10 years and 9 months.

In the 20th Ward, of this city, October 19th, of typhoid fever, HELEN MARIA, wife of Joseph Todd, and daughter of George and Emily Bunn. Deceased was, bern in Birmingham, England, March 18th

Millennial Star, p'ease copy.

At Big Cottonwood, fa't Lake county, October 19th. of diphtheria, HOSEA, son of Hosea, jr., and Elizabeth Stout, aged three

lery, next door to the Walker hotel. Photographs i3 per dozen; d265

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DANIEL W. JONES.

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