

ble toward the rocks until the flukes of her anchor engaged with the cable, where she would be held safe and sound. No provision is made for preventing the parting of her chains, however. But the scheme of stretching a large cable from Maine to Mexico and stringing thereon mushroom anchors like bangles on a necklace will hardly meet the approval of congress.

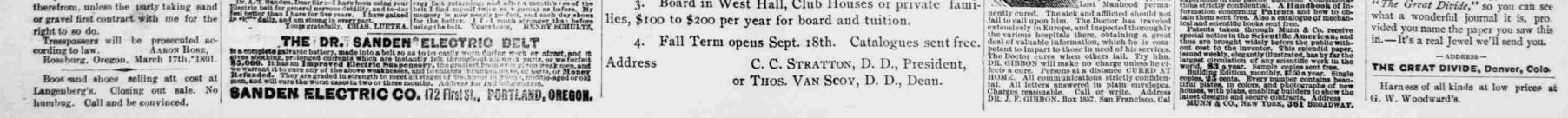
and drawings, minus the pretty painted model, however, of a great boat intended to run simply by opening a gate valve in two large longitudinal tubes which open fore and aft below the water line. The valves are open when the boat is launched, and the water rushes into the forward intake and passes out at the stern. The water, passing out, pushes the boat forward, and the intake helps relieve the resistance on the bows. so that the boat, of course, is propelled by the water passing through these tubes. The boat thus goes on forever through the surf most speedily because the water is driven out through the stern most forcibly in a boisterous sea. To stop the boat the valves are closed

Another bright man with a less cumbersome contrivance, although the action is as hard or harder to understand, suggests a lifeboat or life raft built upon the exact model of a window shutter or blind, arguing that the water, operating upon the slats, will set them vibrating, and that this vibration by its action upon its own motive force will cause the boat to work forward against wind and tide. Bathers at Atlantic City a couple of summers ago will no doubt remember this inventor and his shutter.

to be a woman's-for the poor drenched captain's wife, rescued through the mountainous surf from a vessel fast breaking up, has suggested a canvas cover similar to a wagon cover tightly fastened down to the gunwale as a protection from the wet. The dear soul, however, never stopped to consider the tremendous force with which the breakers, which at times turn a 34 foot lifeboat end over, would ride down that fragile protection, burying in its folds every one underneath. And those members of the board who had served at sea shivered when they read the description of this "protection" and pictured to themselves their exciting endeavors to extricate themselves from the ruin of the death dealing contrivance suggested in love and kindness by an ignorant

Methods used by the Romans for warming their houses were clever. In Rome itself artificial warmth may have been brought rarely into use, though the Italian winter requires fires at times, but when the Roman took up his abode abroad as the conqueror he certainly lived in chilly climates. In the country houses he built in England he had carefully devised heating arrangements, which are called hypocausts. These are fines running under the tassellated floors. Fires were lit outside of the house, and the hot air passed under the floors. To do thus much required a knowledge of the builder's art, with the necessary precautions against fire. Remnants of these hypocausts are found today in England, built during the Roman occupation .- New York Times.

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