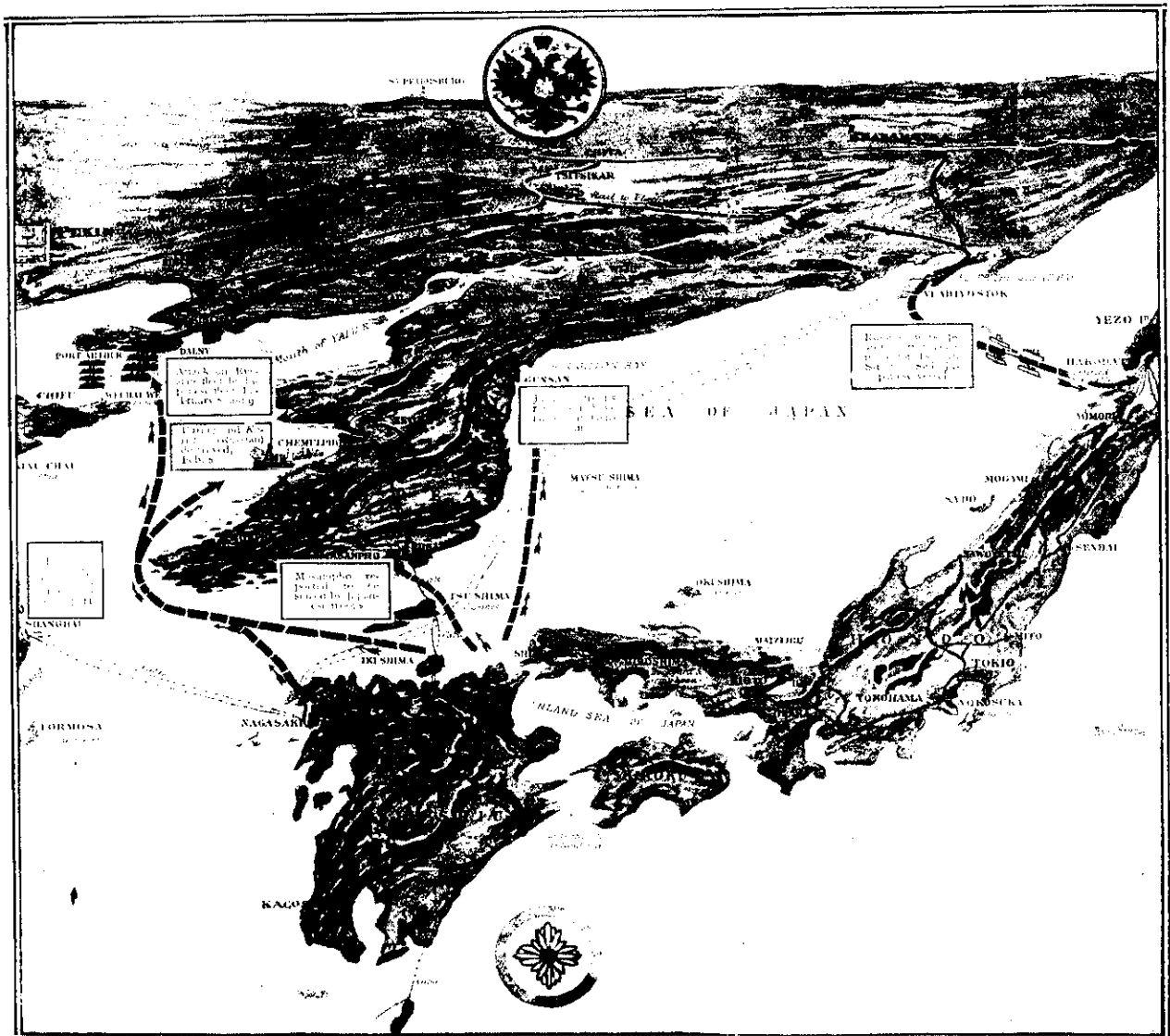


THE NEW WATERTIGHT DOOR OPEN. THE DOOR CLOSING. THE DOOR CLOSED—SHIP UNSINKABLE.

THE NEW METHOD FOR RENDERING VESSELS UNSINKABLE BY MEANS OF HYDRAULICALLY-CONTROLLED DOORS.

Steamers nowadays should be unsinkable owing to their watertight compartments, but through the hitherto imperfect working of the doors which allow the officers and crew to pass through these openings in the bulkheads many sad catastrophes have occurred. A system known as the Stone-Lloyd system has been devised which does away with the difficulty of closing these doors on the approach of danger or in case of a sudden collision. A small hydraulic installation gives the docile but resistless force necessary for closing all the doors in the bulkhead slowly but certainly. The officer on the bridge has only to move a lever which rings alarm bells, and after ten to twenty seconds interval sets the doors slowly but surely descending. Should a member of the crew not get through the door in time a lever opens it, and the door again closes automatically behind him: he cannot leave the door open. The great ocean liner, "Deutschland," has been fitted with these doors, and a few days ago a public exhibition of their working was given.



The various movements which have taken place since Monday, February 8, are shown by black lines. The movements of Japanese troops are at present uncertain, but it is reported that landings have taken place both at Chemulpho and Gensan. It was from Gensan that the Japanese troops marched across the peninsula to the Yalu in the Chino-Japanese War.

[Since this appeared in our most enterprising contemporary, Japan is reported to have seized the mouth of the Yalu River and to have landed troops near From "The Sphere," February 20. Newchwang.]

The Russo-Japanese War.