WEIGHING A SHIP'S CARGO.

Shipping circles have been curious and interested in the establishment of a method by which the cargo of a ship might be weighed while she is at sea. The greatest difficulty has been how to obtain a water-level in the hold, or any other convenient vessel. 

Mr. A. Alder, a London shipowner, has solved the problem.

The vessel, one of the Pacific Steamship Company's line of liners which visits the Australian ports, was equipped with a specially designed device for this purpose. It consisted of a long glass tube cantilevered over the deck of the ship, with a small barometer and a mercury reservoir at the upper end, and a mercury column established by the weight of the cargo below the level of the hold. As the cargo shifted, the level of the mercury in the tube changed correspondingly, and the weight of the mercury was the weight of the cargo. This method was found to be very accurate and reliable.

AFRICAN NAVIGATION.

African navigation has always been a problem for explorers and sailors. It was particularly challenging due to the lack of accurate maps and the vast distances involved. Ships often had to rely on local knowledge and the guidance of native guides.

One such expedition was led by Captain John Hunter, who was tasked with navigating the African coast. He encountered many difficulties, including storms and treacherous currents. However, he was able to successfully navigate the coast and make significant contributions to exploration.

ALFRED RUSSELL WALLACE.

An interesting communication was recently received by Mr. R. J. Shorterly from Alfred Russell Wallace, the naturalist and explorer. The letter was written during his recent trip to the South Seas and described his observations of the local flora and fauna.

Mr. Shorterly, who is the editor of "Chamber's Journal," stated:

"I have been reading Mr. Wallace's latest letter, and I must say that it is a very interesting and informative piece of work. He describes in detail the various species of birds, plants, and animals he has encountered on his journey. His observations are well-documented, and I am sure that they will be of great interest to naturalists all over the world."

ASTRONOMY NOTES.

In these days of rapidly advancing astronomy, it is interesting to note the progress being made in the field of celestial navigation. The use of astrophotography has revolutionized the way we view the stars and planets, allowing for more accurate and detailed images to be captured.

However, there are still many mysteries to be solved in the universe. The search for extraterrestrial life continues, with scientists hopeful that they may one day find evidence of intelligent life beyond our planet.

We look forward to continued advancements in the field of astronomy, and to the day when we may finally uncover some of the great mysteries of the cosmos.

CULTURED WHIT AND BAVAR BLACK.

The Half-Caste.

In the next number of "The Half-Caste" Miss Madel Holme writes on the social position of the half-caste. She says, "It is a fact that the half-caste is the lowest rung on the ladder of society. He is regarded with suspicion and contempt by both the white and the coloured races."

Miss Holme goes on to say that the half-caste is often forced to choose between two worlds, and that this dual identity can be extremely difficult for him to manage.

She concludes by stating that the half-caste is a tragic figure in our society, and that more needs to be done to help him integrate into both the white and coloured communities.

We must continue to work towards a more inclusive and understanding society, in which all individuals are treated with respect and equality.