



MATSUE

## THE SURVEYING VESSELS OF THE JAPANESE NAVY (\*)

| (A)             | (B)                             | (C)                         | (D)  | (E)              | (F)               | (G)  | (H)  | (I)   | (J)   |  |
|-----------------|---------------------------------|-----------------------------|--|------------------|-------------------|--|--|-------|---|--|
| N A M E .       | Displacement<br>metric<br>tons. | Date<br>of<br>construction. | Dimensions<br>in feet.<br>Length.<br>Beam.<br>Draft. | Maximum<br>H. P. | Fuel<br>capacity. | Full and<br>economical<br>speeds.                            | Special<br>Personnel.  | Crew. | Boats<br>carried.   | Special<br>appliances.   |
| « MATSUE »..... | 2550                            | 1898                        | 237 ft.<br>34 ft. $\frac{1}{2}$<br>14 ft.            | 250              | Coal.             | Full speed<br>9.5 knots.<br>economical<br>speed.<br>6 knots. | A number of<br>officers are detail-<br>ed to the vessel<br>by the Hydro-<br>graphic Dept.<br>each time she is<br>placed on duty. | 100   | 6 Motor-driven<br>surveying boats.<br>4 tons, 33 feet<br>in length and 6.8<br>ft. in width, each<br>carrying 1 sur-<br>veyor and a crew<br>of five men. | 1 Lucas<br>Bathymeter<br>1 Sigsbee<br>Bathymeter.<br>1 electric<br>Bathymeter. |

(\*) The Surveying Vessels of Japan are not specially designed and built to serve Surveying purposes, but consist of aged vessels of old types, and neither the surveying officers nor the instruments are permanently detailed to those vessels, which are officered and equipped by the Hydrographic Department from time to time as may be required, the officers and the Surveying appliances for particular duties being withdrawn from them directly such duties are completed.

The principal vessels now employed for surveying purposes are the « Yamato », the « Musashi », the « Matsue », the « Manshu », and the « Koshu », assisted occasionally by the « Akashi » and the « Yodo ».