

HINTS TO HYDROGRAPHIC SURVEYORS.

FRANCE :

BRAKING DEVICE FOR SOUNDING BOAT.

While engaged in surveying the west coast of Cotentin, the 1948 French Coastal Survey Mission on board the Surveying Vessel *Amiral Mouchez* tested a makeshift braking device constructed with ordinary ship's equipment, for use in fish-lead sounding on sounding-boats.

The sketch herewith is self-explanatory, and shows details of the appliance added to the boat rudder in order that a slower rate of speed may be obtained.

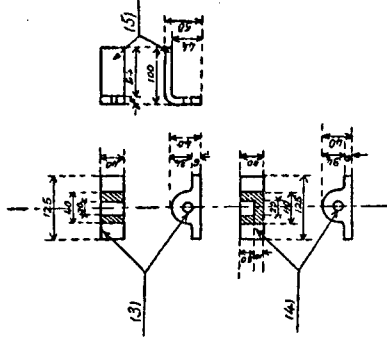
TIDE DISTRIBUTION DIAGRAM.

In an area where tidal characteristics vary rapidly from one place to another, it may be difficult to correct soundings for the local height of the tide without avoiding an unacceptable degree of discrepancy between two adjacent soundings belonging to two different tidal zones, usually rather arbitrarily defined.

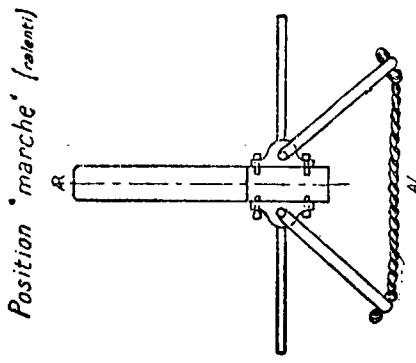
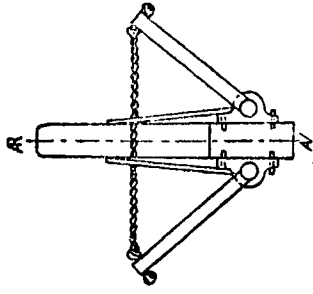
In such cases, whenever elements of comparison for various survey points are available, it may be useful to draw up tidal diagrams showing, with reference to tidal observations at the standard port, line-patterns of equal lag or gain and of equal range.

A reproduction of the diagram constructed for this purpose by Chief Hydrographic Engineer Chatel, and covering the area surveyed by him in 1948 between the Anglo-Norman Islands and the Cotentin coast, appears on page 127.





Position "repos" (vitesse normale)



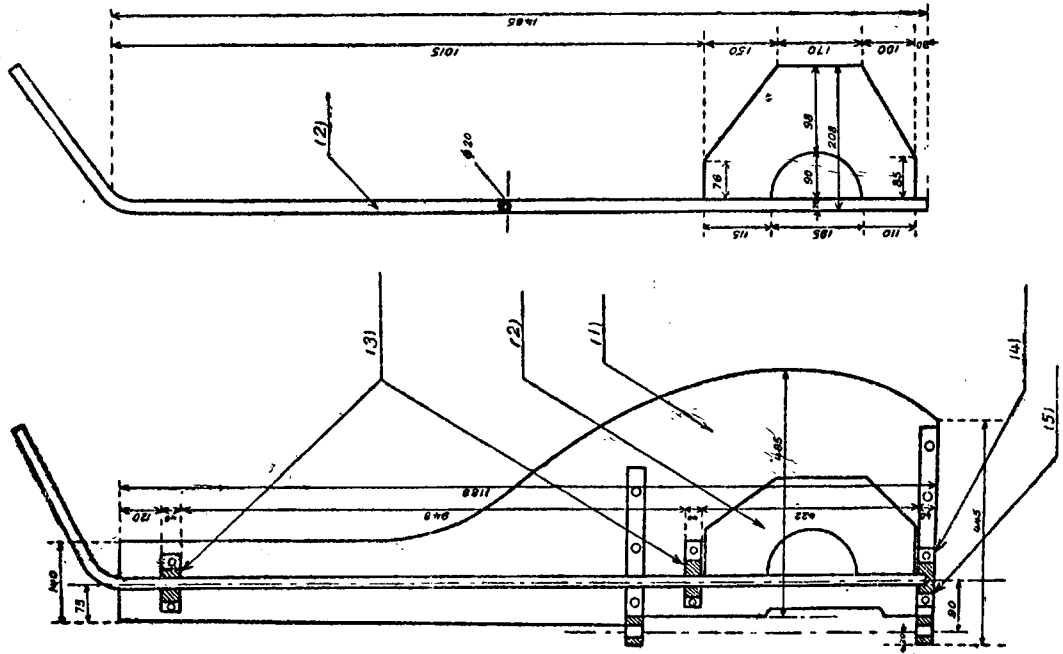
Position "marché" (ralenti)

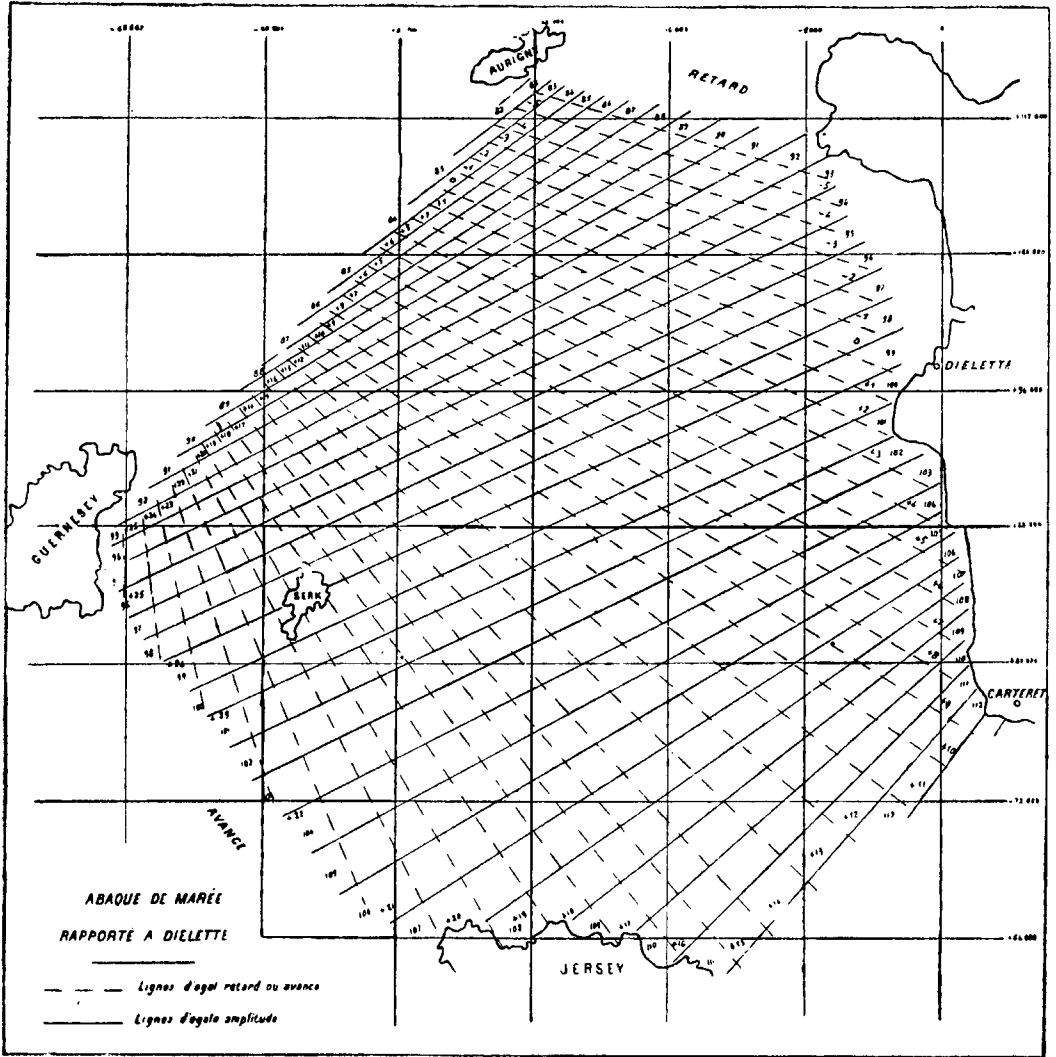
Mission Hydrographique des côtes de France

Croquis d'un dispositif de freinage d'une
embarcation de sondage
Canot de 7^m type "Brestois"

Gouvernail du canot

Nonomenclature	Nature
(1) Gouvernail	Bois
(2) Gouvernail supplémentaire	Acier
(3) Coussinets supérieurs	Acier
(4) Coussinets inférieurs	Acier
(5) Butée	Acier





Tide Distribution Diagram.

Missions hydrographiques des côtes de France - Publication N° 1366 du Service Hydrographique -
Extracted from *Annales Hydrographiques*, Paris, 1949).