

## CLASS 117.

## MILITARY ENGINEERING AND ACCESSORY SERVICES.

- Military engineering material.
- Construction of railways.
- Projects for laying out and constructing railways in colonies.
- Barracks at home and abroad.
- Electricity and its application to military engineering.
- Military ballooning.
- Telegraphs and telephones.
- Military bridges.

## CLASS 118.

## NAVAL CONSTRUCTION. HYDRAULICS. TORPEDOES.

- Ships of war: hulls and fittings; machinery for propelling, etc.; auxiliary machinery; equipment.
- Appliances and products of arsenals.
- Application of electricity.
- Hydraulics.
- Torpedoes for attack and defence.
- Naval schools. Drawings. Photography.
- Saving life at sea.

## CLASS 119.

## MAP DRAWING, HYDROGRAPHY, VARIOUS INSTRUMENTS.

Topographical department of the army: geodesy, topography, maps, drawings and models of ground; optical and mathematical instruments; photographic apparatus; military bibliography.

Hydrographic department of the navy: charts; scientific and navigation instruments; naval bibliography.