

## GROUP XVIII.

## CIVIL ENGINEERING, PUBLIC WORKS, AND ARCHITECTURE.

*Preliminary Arrangement.*

- Building materials; processes and apparatus for quarrying, brickmaking; iron girder work; preparation and preservation of wood; artificial stone, terra-cotta work, &c.
- Materials and appliances for foundations (pile-drivers, screw-piles, coffer-dams, caissons, pneumatic and diving apparatus).
- Contrivances and tools for earth-works (excavators, dredging machines, apparatus for raising, carrying, and transporting earth and materials).
- Materials and apparatus used for roads and railways (road rollers; railway superstructure, switches, crossings, turn-tables, traversing-tables, inclined planes, lifts; pneumatic and other modes of propelling; water stations and their apparatus, railway station buildings of all kinds, and systems of railway signals).
- Hydraulic engineering works, excluding sea works (river works, canal works, dikes, locks, dams, &c.).
- Models and plans of viaducts, bridges, and aqueducts, &c.
- Plans, models, and drawings of public buildings, dwelling-houses, barracks, penitentiaries, prisons, and hospitals, schools and theatres, labourers' cottages; apparatus for lifting and moving heavy weights in buildings, as lifts, &c.; plans and models of cheap dwelling-houses; tools and implements of artisan builders.
- Apparatus and inventions for health, comfort, and convenience in buildings (for lighting, water supply, drainage, waterclosets, lightning conductors, &c.)
- Agricultural engineering; plans for culture, fencing, draining; farm buildings; buildings for cattle breeding; stores, stables, manure tanks, &c.
- Industrial buildings; spinning mills, weaving mills, grinding mills; distilleries, breweries, sugar manufactories; warehouses, sawmills and docks, &c.

*Sections for the Juries.*

- 1st Section. Above ground Building.  
2nd Section. Hydraulic Architecture.  
3rd Section. Making of Roads and Construction of Railways.

## GROUP XIX.

## THE PRIVATE DWELLING HOUSE, ITS INNER ARRANGEMENT AND DECORATION.

*Preliminary Arrangement.*

- Models, drawings, and finished buildings representing dwelling-houses of civilized nations.
- Drawings, models, and examples of thoroughly furnished apartments.

*Sections for the Juries.*

- The Private Dwelling House.

## GROUP XX.

## THE FARM HOUSE, ITS ARRANGEMENTS, FURNITURE, AND UTENSILS.

*Preliminary Arrangement.*

- Finished buildings, models, and drawings of farm-houses of the different nations of the world.
- Drawings, models, and examples of peasant rooms, furnished and fitted out with their furniture and apparatus.

*Sections for the Juries.*

- The Farm House.