

Gasteropods, and like the living carinaria sailed freely over the sea by means of its fleshy parts. The Gasteropods, with the Lamellibranchs, of which the Oyster is a living type, and the Brachiopods, whose congeners may still be detected in the *Terebratula* of our Highland lochs and bays, and the *Lingulae* of the southern hemisphere, were all then represented. The Lamellibranchiata are without a head, and almost entirely destitute of power of locomotion. Among the Echinodermata we may cite the *Hemiscosmites*, of which *H. pyriformis* (Fig. 22) may be considered an example.

The rocks of the Lower Silurian age in France are found in Languedoc, in the environs of Neffiez and of Bédarrioux. They occupy, also, great part of Brittany. They occur in Bohemia, also in Spain, Russia, and in the New World. Limestones, sandstones, and schists (slates of Angers) form the chief part of this series. The Cambrian slates are largely represented in Canada and the United States.

LOWER SILURIAN GROUP.			
Formation.	Prevailing Rocks.	Thickness.	Fossils.
Lower Llandovery	{ Hard sandstones, conglomerates, and flaggy shaly beds	{ 600 to 1,000	{ Pentamerus lens.
Caradoc or Bala	{ Shelly sandstones, shales, and slaty beds, with grits, conglomerates, and occasional calcareous bands (Bala limestone)	{ 12,000	{ Brachiopods; Lamellibranchs; Pteropods; Cystideans; Graptolites; Trilobites.
Llandeilo Flags	{ Dark-grey flagstones, occasionally calcareous sandstones, with black slates, containing Graptolites	{ 1,000 to 1,500	{ Trilobites (Fig. 36); Graptolites; Heteropods; large Cephalopods.
Lower Llandeilo Tremadoc Slates	{ Dark-grey and ferruginous slates, sandy shales, and bluish flags, with occasional beds of pisolitic iron-ore	{ 1,500	{ Trilobites (Olenus, Conocoryphe, Paradoxides, Fig. 17); Brachiopods; Cystideans.
Lingula Flags	{ Black and dark shaly, grey and brown slaty flagstones and sandstones, with siliceous grits and quartzites	{ 5,000	{ Trilobites (Olenus, Conocoryphe, Paradoxides, Fig. 17); Brachiopods; Cystideans.

CAMBRIAN GROUP.

Cambrian	{ Llanberis slates, with sandy strata	{ 3,000	{ Annelides.
	{ Harlech grits	{ 6,000	{ Oldhamia.

LAURENTIAN GROUP.

Upper Laurentian	{ Stratified, highly-crystalline, and felspathic rocks	{ 12,060	{ Eozoon.
Lower Laurentian	{ Gneiss, quartzite, hornblende and mica-schists	{ 18,000	{ None.