

brium. *Toes*, united by membrane for swimming; *membrane*, sometimes divided.

*Order 2.—Waders.* (*Flamingo, Coot, Avocet, Woodcock, Snipe, Ibis, Spoonbill, Jabiru, Bittern, Heron, Crane, Stork, Oyster-catcher, Plover, Bustard.—Grallatores.* Grant.)

*Legs* consisting of a very long *tarsi*, with the apex of the *tibia* bare; stretched out in flight. *Wings*, long.

*Order 3.—Coursers.* (*Apteryx, Ostrich, Emeu, Cassowary, Dodo, &c.—Cursores.* Grant.)

*WINGS*, very short, not used for flying. *Legs*, robust. *Toes*, 3—4. *Beak*, depressed or compressed.

*Order 4.—Scratchers.* (*Pigeon, Quail, Partridge, Common Poultry, Guinea-fowl, Pheasant, Turkey, Peacock, &c.—Alectorides, Gallinæ, and Columbæ.* Grant.)

*Upper mandible*, vaulted; *nostrils*, pierced in a membranous space at their base, covered by a cartilaginous scale. *Tail-feathers*, 14—18.

*Order 5.—Climbers.* (*Psittaceans, Toucan, Cuckoo, Wry-neck, Woodpecker, &c.—Chelidones, Alcyones, Anisodactyli, Zygodactyli.* Grant.)

*Feet* with two toes before and two behind.

*Order 6.—Perchers.* (*King-fisher, Hoopoe, Humming-bird, Tree-creeper, Nut-hatch, Bird of Paradise, Crow, Magpie, Starling, Cross-beak, Gross-beak, Gold-finch, Linnet, Sparrow, Titmouse, Lark, Goat-sucker, Swallow, Taylor-bird, Nightingale, Red-breast, Fly-catcher, Black-bird, Chatterer, Butcher-bird, &c.—Granivoræ, Insectivoræ, and Omnivoræ.* Grant.)

*Toes* four: formed for prehension in nidification. *External toe* united at the base to the *internal*. *Three* toes before and *one* behind. All other characters negative.

*Order 7.—Ravens.* (*Owl, Secretary-bird, Buzzard, Kite, Sparrow-hawk, Falcon, Harpy, Eagle, Vulture, &c.—Rapaces.* Grant.)