orders he relinquished his fellowship in 1666, and resided | duct of the crossing of several species, living and extinct. for some time at Oxford, Dublin, and London successively. This opinion is founded on such considerations as the In 1688 he was elected Camden professor of history at Oxford; but in 1691 he was deprived of his professorship for refusing to take the oaths of allegiance to William and Mary. Retiring to Shottesbrooke in Berkshire, and living quarters of the globe, the fondness of savage man for the same of the globe, the fondness of savage man for the same of the globe, the fondness of savage man for the same of the globe, the fondness of savage man for the same of the globe, the fondness of savage man for the same of the globe, the fondness of savage man for the same of the globe, the fondness of savage man for the same of the globe, the fondness of the globe the globe, the fondness of the globe the globe the globe the globe t on the produce of a small estate in Ireland, which he had taming wild animals, and the extreme improbability that at first generously relinquished in favour of a near relation, he devoted himself to those literary labours in chronology and ecclesiastical polity on which his fame now rests. In the former department he published—Discourse on the Phenician History of Sanchoniathon (1681); Annales Thucydidei et Xenophontes (1696); Chronologia Graco-Romana pro Hypothesibus Dion. Halicarnassei (1692); Annales Velleiani. Quintiliani. Statiani (1698); and a sanarcticus) when these were first visited by man Annales Velleiani, Quintiliani, Statiani (1698); and a antarcticus), when these were first visited by man, larger treatise entitled De Veteribus Græcorum Romanor-umque Cyclis, obiterque de Cyclo Judæorum ac Ætate Christi, Dissertationes (1701). All these obtained con-fact that many of the breeds of domestic dogs, found in siderable reputation, and were frequently reprinted. Gibbon speaks of his learning as "immense," and says that to the wild species still existing in those countries. The this "skill in employing facts is equal to his learning." In the department of ecclesiastical polity his works are more numerous and of much less value, his judgment being far inferior to his power of research. In his earlier writings he was regarded as one of the greatest champions of the non-jurors; but the absurd doctrine which he afterwards promulgated, that immortality could be enjoyed only by those who had received baptism from the hands of one set of regularly ordained clergy, and was therefore a privilege from which dissenters were hopelessly excluded, justly de-prived him of the confidence even of his friends. It is interesting, however, in view of the recent revival of the same doctrine, to know that he published in 1706 a treatise professing to prove from Scripture and the first fathers that the soul is naturally mortal. Dodwell died at Shottesbrooke, 7th June 1711. His eldest son Henry is known as the author of a pamphlet entitled *Christianity* not founded on Argument, to which a reply was published by his brother William, who was besides engaged in a controling true dog-like capacity. The Esquimaux dogs are likewise versy with Dr Conyers Middleton on the subject of

DOG, a name common to several species of Canida—a family of Carnivorous Mammals widely distributed over nearly every part of the globe. Many of the species belonging to this family, as the wolf and the jackal, are social animals, hunting in packs, and are readily tamed; while in confinement they show little or no repugance to breeding. In a group thus eminently capable of domestication, it is not surprising that in the earliest times one or more species should have been brought under the dominion of man, or that under human care the domestic dog should have become, as Baron Cuvier calls it, "the completest, the most singular, and the most useful conquest ever made by man." There is sufficient evidence to show that the wolf disappears, and with it the prevalence of wolf-like the most singular, and the most useful conquest ever made dog existed in the domesticated state during prehistoric dogs, their places being taken by smaller breeds, such as times; consequently neither history nor tradition is available to solve the question of its origin. That must be decided, if at all, by the naturalist, and the variety of structural difference can, according to Geoffroy Saint-Hilaire,

ring in the same regions, so resembles the latter that Richardson could detect no decided difference in form. It seems, in fact, to bear the same relation to the prairie wolf that the Esquimaux dog does to the great grey wolf already mentioned. The wolf certainly exhibits few peculiarly dog-like qualities, being both ferocious and cowardly, and showing no attachment to man; but instances, nevertheness, in love for their masters, and in intelligence, showed true dog-like capacity. The Esquimaux dogs are likewise decidedly wolfish in disposition, showing little or no attachment to their owners, and sometimes, it is said, even attacking them when pressed by hunger. Distinct varieties of the wolf occur in Europe and in India, and such European breeds as the shepherd dog of Hungary so closely resemble the wolf that an Hungarian has been known to mistake that animal for one of his own dogs; while certain of the Hindu pariah dogs are said by Blyth to resemble the Indian variety of wolf. The large semi-domesticated dogs of the northern parts of both hemispheres may thus be regarded as principally derived from the various species and varieties of wolves still existing there. The period of gestation in the wolf and dog is the same, being 63 days decided, if at all, by the naturalist, and the variety of opinion existing on this point at the present time renders it exceedingly improbable that the parentage of the dog will ever be ascertained with certainty. Some suppose that all our breeds have sprung from a single wild source, others that they are the product of the blending of several distinct species. Of the former, the majority regard the wolf as the parent form, others favour the claims of the jackal, while a few regard them as the descendants of an extinct species, and point to the fossil remains of a large dog, found in the later Tertiary deposits, as the probable wild stock. The prevalent belief at the present day is probably that which regards the domestic dog as the pro-

extent. In tropical America, where jackals are unknown, and at the present day the Arawak Indians cross their dogs with an aboriginal wild species for the purpose of improving the breed. In Australia the Dingo, regarded by many as constituting a distinct species indigenous to that country, its remains having been found in caves associated with those of other extinct mammals, occurs both in the wild state and domesticated at the present day. Darwin, after reviewing this question, concludes that "it is highly probable that the domestic dogs of the world have descended

from two good species of wolves (Canis lupus and C latrans), and from two or three other doubtful species of wolves, namely, the European, Indian, and North African forms, from at least one or two South American canine species, from at least one or two South American canine species, hollow couch; and in this seemingly senseless action it is from several races or species of the jackal, and perhaps no doubt continuing a habit once found useful to its wild from one or more extinct species."

Remains of the dog, of Neolithic age, occur in the kitchenmiddens of Denmark, and in similar deposits in Switzer-land. In Denmark the earliest known dog is followed, in the Bronze period, by a larger breed, and that by a still larger form in the succeeding or Iron period; while a somewhat similar succession occurs in Switzerland. These somewhat similar succession occurs in Switzerland. The differences that obtain between the various breeds of dogs are very great, the skulls, according to Cuvier, the difference of the skulls, according to Cuvier, and many suppose that the remarkance power possessed by the dog, in common with the cat, of finding its way for great distances along unknown roads may be due to the exercise of the former sense. The differences that obtain between the various breeds of dogs are very great, the skulls, according to Cuvier, and many suppose that the remarkance power possessed by the dog, in common with the cat, of finding its way for great distances along unknown roads may be due to the exercise of the former sense. successive changes, however, may merely indicate the differing more from each other than they do in the appearance in those countries of new races of prehistoric different species of a natural genus. The molar teeth, man, who brought with them their own dogs. In historic times the earliest records of the dog are to be found in the figures of these animals on Egyptian monuments from three to five thousand years old; and these show that thus early, such varieties as the hound, greyhound, watch-dog, and turnspit were cultivated on the banks of the Nile,—the By the ancient Egyptians the dog was worshipped under the title Anubis, as the genius of the River Nile,—the appearance of Sirius, the dog star, corresponding with the time of the annual rise of that river. The city of the number on the two sides is unequal. Cynopolis was built in its honour, and there its worship was carried on with great pomp. Certain kinds of dogs were regularly sacrificed to Anubis, their bodies being afterwards embalmed; and occasionally the mummies of these are still found. The earliest record of the dog in sacred history is in connection with the sojourn of the Israelites in Egypt; and the religious homage paid to it by their oppressors may probably explain why the Jews were taught to regard it as unclean. Under Moslem law, which in many matters was founded upon Jawish mentions at the third deposition of feeling existing between dog and man that this deposition is a solution of the said to have, within its own limits, kept pace with its master's advancement; and it is undoubtedly owing to a creating community of feeling existing between dog and man that the third deposition is really as given the explicit times been in many matters was founded upon Jewish practices, the that this domestic animal has, since the earliest times, been dog occupies an equally degraded position; and throughout Mahometan countries at the present day, their generally of mankind. There are few human passions not shared wretched condition bears ample testimony to the neglect in by the dog. It is, like him, subject to anger, jealousy, and ill-treatment to which for centuries they have been envy, love, hatred, and grief; it shows gratitude, pride, subjected. The pariah dogs of Eastern cities know no master; they prowl about the streets in troops, eating troubles, and there are numerous instances on record of its whatever garbage may come in their way, thus serving the useful purpose of scavengers, and occasionally receiving a meal from the more humane of the inhabitants. On no meal from the more humans of the innabitants. On no account, however, must even the garments of an orthodox Mahometan be defiled by their touch, and such' is the intelligence and sagacity of these ownerless curs that, having become aware by painful experience of this religious prejudice, they seem to take the greatest care to avoid giving such offence. The value set upon the dog by the Egyptians seems to have been shared in by the ancient in the association of ideas; that it is not devoid of imagination may be assumed from the fact that it dreams, pursuing in its sleep imaginary game. Its judgment is often singularly correct; while it may almost be said to have a religion, in which man is its god, and his will its rule of conduct, disobedience to which produces an evident feeling of shame and a quiet submission to punishment. It shares with man in awe of the unknown, and the most

as dumb. This faculty appears to be readily lost and to be capable of reacquirement. The domestic dogs which ran wild on the island of Juan Fernandez are said to have iost the power of barking in 33 years, and to have gradually which do not make their appearance till near the decline reacquired it on removal from the island. The Hare of the Roman empire. By both Greeks and Romans they Indian Dog makes an attempt at barking, which usually ends in a howl, but the young of this breed born in the Zoological Gardens seem to possess this faculty to the full been saved by 50 war dogs, which attacked the enemy that there are several wild species of dogs to which the domestic breeds of those regions bear a considerable resemblance, unbounded courage till all were killed except one, which

"Cry havoc, and let slip the dogs of war."

Dogs are naturally carnivorous, preferring flesh that is slightly putrid; but they can also live on vegetable food, and in countries where the dog itself is eaten, it is generally thus fed. In drinking it laps with its tongue, and it never perspires, although when heated its tongue hangs from its mouth, and a fluid runs from it. When about to go to sleep, no matter where, it turns round and round, and scratches the ground with its forepaws as if to form a progenitors. Its sense of smells and hearing are exceedingly acute, and many suppose that the remarkable nor is the number of mammæ always uniform, there being

While man has thus bestowed great attention on the physical development of the dog, and availing himself of natural variations has, by careful selection and intercrossing, moulded the dog into an almost infinite variety of generosity, and fear. It sympathizes with man in his courageous dog will often tremble at the sudden rustle of a leaf. While the possession of such faculties has rendered him fit above all other animals for the companionship of man, the physical and intellectual qualities characteristic of the various breeds have been seized upon and developed to their utmost by man, so as to enable him to use the dog for a great variety of purposes; what these are will appear in the following necessarily brief account of the more important breeds of dogs. of the more important breeds of dogs.

regions of America in hunting the seal, bear, and reindeer; while it is equally useful as a beast of burden, carrying be capable of maintaining." The sheep-dog stands about loads on its back—a kind of work for which dogs are by no means well suited—and drawing sledges over the snow. On a good road half a dozen of these dogs will draw, it is said, from 8 to 10 cwts., at the rate of 7 miles an hour; and Kane, the Arctic traveller, tells how that number of dogs, well worn by previous travel, carried him with a fully burdened sledge, between seven and eight hundred miles during the first fortnight after leaving his ship—a mean rate of 57 miles a day. According to the same authority, the training of these dogs is of the most ungracious sort. "I never neard," he says, "a kind accent from the Esquimaux to his dog. The driver's whip of walrus hide, some 20 feet long a stone or a lumn of ice skilly ly some 20 feet long, a stone or a lump of ice skilfully directed, an imprecation loud and sharp, made emphatic by the fist or foot, and a grudged ration of seal's meat, make up the winter's entertainment of an Esquimaux team." owing to the ill-treatment to which they are thus habitually subjected, they are highly irritable and difficult to manage, and in sleighing it is necessary to have a well-trained dog as leader, to whom the driver speaks, and by whom the other dogs in the team are guided. They readily relapse into the wild state, and have been known thus to hunt the reindeer in packs like wolves. These dogs have borne a prominent part in Arctic exploration, and much of the difficult work done in this field would have been well-nigh impossible without them. The Kamtchatka dogs are also used for sledging, and are famed for their swiftness and endurance. During summer they run at large and cater feed them principally with the heads of dried fish.

The Sheep-dog.—In Eastern countries where the sheep follow the shepherd, the duties that fall upon the dog are

of the more important breeds of dogs.

According to Professor Fitzinger, there are at least 189 it has little or no opportunity of mixing with dogs other distinct varieties of the domestic dog, and when it is contained to preserve uniformity in sidered that the origin of many if not most of these is un-certain, it is not surprising that considerable difference of and intelligence prove beyond a doubt that the breed of opinion should exist as to the most natural mode of group- sheep-dogs is one of the most highly improved, and in this ing them together. Their arrangement into the following respect remotest from the primitive type. Its whole six races, founded to a certain extent on the form and deintellect is devoted to the one duty of tending its master's velopment of the ears, probably affords an approximation to a natural classification, viz., Wolf-dogs, Greyhounds, Spaniels, Hounds, Mastiffs, and Terriers.

flocks, and in the performance of this it is equally sagacious, vigilant, and patient. At a word, or even a look, from its master, it will gather the sheep, scattered for miles I. Wolf-dogs.—Throughout the northern regions of both hemispheres there are several breeds of semi-domesti- which highland districts are so frequently exposed, the cated wolf-like dogs having nearly erect ears, and long woolly hair; these include among others the dogs of the Esquimaux and the Kamtchadales. The Esquimaux Dog is usually of a black and white colour, nearly as large as a most if with a fire head allowed and white colour, nearly as large as a most if with a fire head allowed and white colour, nearly as large as a most if with a fire head allowed and white colour, nearly as large as a most if with a fire head allowed and white colour, nearly as large as a most if with a fire head allowed and white colour, nearly as large as a most if with a fire head allowed and white colour, nearly as large as a most if with a fire head allowed and white all and white head allowed and white head allowed as a large with a fire head allowed and white head allowed as a large with a fire head allowed and white head allowed as a large with a fire head allowed and white head allowed as a large with a fire head allowed and white head allowed as a large with a fire head allowed and white head allowed a large with a fire head allowed and white head allowed and white head allowed a large with a fire head allowed and white head allowed and white head allowed and white head allowed and white head allowed allowed and white head allowed allowed and white head allowed and white head allowed allowed and white head allowed allowed and white head allowed allowed allowed and white head allowed and white head allowed and white head allowed allowe mastiff, with a fine bushy tail, and sharp pointed muzzle. It is of the greatest value to the inhabitants of the boreal hills, force them into houses and folds, and drive them to



feed them principally with the heads of dried fish.

The Sheep-dog.—In Eastern countries where the sheep follow the shepherd, the duties that fall upon the dog are simpler, and require less intelligence, than those performed by the European breeds. Their task is chiefly to defend the flocks and herds from wild beasts and robbers, and for this purpose the wolf-like Turkoman Watch-dog and the Sheep-dog of Natolia are, by their great strength and sheep and referred to the city markets, and in the discharge of this duty shows intelligence quite equal to that of the other varieties; although in the treat masters, who or larger size, but with shorter fur, and having the tail often very short—a peculiarity which, according to Bell, "appears to be perpetuated from parents whose tails have been cut;" and the Drover's Dog or Cur, generally black and white in colour, and taller in its limbs than the others. It is employed in driving sheep and cattle to the city markets, and in the discharge of this duty shows intelligence quite equal to that of the other varieties; although in the treat of the perpetuated from parents whose tails have been cut;" and taller in its limbs than the others. It is employed in driving sheep and cattle to the city markets, and in the discharge of this duty shows intelligence quite equal to that of the other varieties; although in the treat of the perpetuated from parents whose tails have been cut;" Sheep-dog of Natolia are, by their great strength and courage, eminently fitted. The former is described by Sir J. M'Neill as a shaggy animal, nearly as large as the Newfoundland dog, and very fierce and powerful, the dam of the specimen he describes having killed a full-grown wolf

dogs, at the distance of some miles from any house or man." And on inquiry he found out the method by This breed is supposed by some not to be indigenous to or man." And on inquiry he found out the method by which this friendship between dog and sheep had been established. The dog when a puppy is removed from its mother, and is no longer allowed to associate with other dogs, or even with the children of the family. It is kept in the sheep pen, and suckled by a ewe. Generally also it is constrained and thus has little or no community of feeling in content to protect them from the wolves which seek with its kind. Brought up among the sheep it shows no desire to leave the flock, but assumes the position of leader. "It is amusing," says the above writer, "to observe, when approaching a flock, how the dog immediately advances barking, and the sheep all close in his rear and wolves, and which are armed with spiked collars in order to protect them from the wolves which seek to seize them by the throat. The Great St Bernard Dog of the present day is a powerful animal, as large as a mastiff, with close short hair and pendulous ears, and which are armed with spiked collars in order to protect them from the wolves which seek to seize them by the throat. The Great St Bernard Dog of the present day is a powerful animal, as large as a wolves, and which are armed with spiked collars in order to protect them from the wolves which seek to seize them by the throat. The Great St Bernard Dog of the present day is a powerful animal, as large as a wolves, and which are armed with spiked collars in order to protect them from the wolves which seek to seize them by the throat. The Great St Bernard Dog of the present day is a powerful animal, as large as a wolves, and which are armed with spiked collars in order to protect them from the wolves which seek to seize them by the throat. as if round the oldest ram." It comes home daily for food, on receipt of which it immediately returns to the flock; and this it is often taught to bring home in the evening.

The Newfoundland and Great St Bernard or Alpine Dogs

occupy an uncertain position, forming, according to some authors, a group by themselves, and being classed by others among the wolf-like dogs, although in their large and pendulous ears they differ widely from the typical forms already noticed.

The Newfoundland Dog is believed to have been brought to England from the island to which it owes its name, but probably owing to partial crossing, it differs somewhat from the original American breed, the latter being smaller in size, with the muzzle less blunted, and almost totally black in colour. In Newfoundland and Labrador these dogs are used as beasts of burden, drawing considerable loads of wood and provisions on sledges. The feet are partially webbed, and consequently they are unrivalled as water-dogs, and although their weakness of scent and comparative slowness of foot renders them useless to the hunter, yet in a country of fens and morasses, the sportsman finds them of the greatest service in rescuing birds that have fallen into the water; nor do they hesitate in their eagerness for retrieving to make their way through the roughest cover. The English variety of Newfoundland Dog is a able creature, standing 30 inches high at the shoulders.



Fig. 2. - Newfoundland Dog.

its hair waved or curly and of a black and white colour in whom they have previously shown the greatest regard; but | that hunts by sight alone, hence probably the name gaze-

warying in colour, in one case being described as "sandy red or tawny" with black muzzle, in another as "more or less marked with grey, liver colour, and black clouds." Previous to 1820 there existed another breed of these dogs, closely allied in form and size to the Newfoundland, but in that year the greater portion of them died of an epidemic, which necessitated the introduction of the present variety. These dogs are kept by the monks of the Hospice of St Bernard, in their convent, situated on one of the most dangerous passes between Switzerland and Italy, near the top of the Great St Bernard, where they are trained to the work of rescuing travellers who, overtaken by the snowstorm, may have lost their way, or sunk benumbed by the cold. On such occasions these sagacious and powerful dogs set out from the convent in pairs, one bearing a flask of spirits attached to his neck, the other with a cloak. Should they come upon the baffled yet struggling traveller, they conduct him to the convent; but should he have succumbed and be covered by the snow, their keen scent detects his presence although buried several feet beneath the surface. By loud barking—and a young dog of this breed kept many years ago in the suburbs of Edinburgh was able to make itself heard a mile away—they apprise the monks of the need of succour, while with their feet they attempt to clear away the snow from the body. In this way these dogs are instrumental in saving many lives every year, although often at the sacrifice of their own, one dog which thus met its death bore a medal stating that it had been the means of saving twenty-two lives.

II. Greyhounds.—Representations on Egyptian monuments prove the existence of the greyhound race of dogs at least 3000 years age, and the silky-haired breeds existing in Egypt, Arabia, and Persia at the present day are probably the slightly modified descendants of those ancient forms. The numerous varieties of this race may be conveniently grouped into the wire-haired and smooth-haired breeds,—of the first of which the Irish Greyhound or Wolfdog is an example. In former times this magnificent breed was employed in Ireland in hunting the wolf and the stag, but the extirpation of these beasts of chase led to the neglect and consequent degeneracy of the breed, and it has now become extinct in that country. It was probably in-troduced from the sister isle into Scotland, where its modified descendant, the Scottish Deerhound, in hunting the stag still bears testimony to the great strength and agility of its progenitor. The Old English Greyhound was only allowed to be kept by the nobles and princes, and the nearly equal proportions, its tail massive and bushy and curled upwards at the extremity. Equally noble in disposition, it does not allow the annoyance of smaller dogs to disturb its serenity, while its patience with children is not readily exhausted. In defence of its master's property it will fly with bull-dog ferocity at any intruder, while it will ful animals than the modern English breed, which, howbattle with the waters to save him from drowning. Its services in the saving of life are well known. When kept hounds. In speed and wind it is unrivalled, all other in confinement its temper is more variable, and in a fit of points having been sacrificed to these by breeders. It has irritation these dogs have been known to attack those for thus almost lost the power of scent, and is the only dog



Fig. 3. - Greyhound.

while on hilly ground it is probably superior to it. Every part of its body is suggestive of activity and speed—the long and pointed muzzle, the narrow head, thin neck, chest deep and flanks contracted, long slender legs, and the tail narrow and curved upwards. It is exceedingly docile, good-tempered, and affectionate. The colour varies in different breeds, and even in individuals of the same breed. Bell suggests that the greyhound may owe its name to the prevailing colour of the original stock; while others, with more probability, derive it from the ancient British grech or greg, a dog. The Italian greyhound is a small but exceedingly elegant and delicate breed, relegated in this country to the parlour as a ladies' pet. The Lurcher is supposed to be the result of a cross between the rough greyhound and the sheep-dog hering the sheep residual. greyhound and the sheep-dog, having the sharp, pointed muzzle of the former, and owing its diminished height but greater stoutness to the latter. It resembles the sheep-dog still more in its great intelligence, and in devotion to its master. That master is usually the poacher, and in his illegal pursuit of game, the keeness of scent, the cunning, and the absolute silence of this dog render it the most suitable of all for such nocturnal work. It waylays the rabbit returning to its burrow, its cunning circumvents the hare where its speed would not avail, and it has strength sufficient to pull down the fallow deer. According to Colonel Smith these dogs sometimes run wild when their owners are captured and imprisoned, and when thus catering for themselves they have been regularly hunted with

Hounds.

III. Spaniels.—The spaniels are characterized by large pendulous ears, long silky hair often curled and shaggy, and acute scent. In cerebral development, and, consequently in intelligence, they are probably superior to all other dogs, while they are unrivalled in docility and in devotion to man's service. They include the Common Spaniel, the Water Dog, and the Setter, besides numerous fancy varieties, as King Charles's Spaniel, the Blenheim Spaniel, and the Maltese Dog. The Spaniel is the favourite of the sportsman, entering more than any other dog into his master's feelings, and seeming to enjoy the sport for its own sake. It is elegant in form, with remarkably long ears, and beautifully waved hair, usually of a red and white colour. It takes readily to the water, and has been known to exhibit a remarkable propensity, as well as great dexterity, in fish-catching. The Water Dog is larger than the spaniel, and is covered with abundant curly hair. Its colour is generally a 'mixture of black and white. From its aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic habits it is of great service to the water-fowl is aquatic ha III. Spaniels.—The spaniels are characterized by large

hound formerly applied to it. According to Daniel, its purposely concealed, is truly remarkable. The Setter is speed on flat ground is little inferior to that of a racehorse, also a favourite with sportsmen, its habit of crouching when



it has scented game rendering it specially serviceable. This habit, like that of pointing, is probably, as Darwin suggests, "merely the exaggerated pause of an animal about to spring on its prey." It is generally white in colour, with large liver-coloured spots.

IV. HOUNDS.—Hounds are those dogs with long

pendulous ears, close hair, and long deep muzzle which hunt by scent. They include the Bloodhound, Staghound Foxhound, Harrier or Beagle, and Pointer.

The Bloodhound, regarded by many as the original stock from which all the other varieties of British hounds have been derived, is now rarely to be met with in entire purity. Its distinguishing features are long, smooth, and pendulous ears, from 8 to 9 inches in length, full muzzle, broad breast, muscular limbs, and a deep sonorous voice. The prevailing colour is a reddish tan, darkening towards the upper part, and often varied with large black spots. It stands about 28 inches high. The bloodhound is remarkable for the automated with the stands about 28 inches high. able for the acuteness of its scent, its discrimination in keeping to the particular scent on which it is first laid, and the intelligence and pertinacity with which it pursues its object to a successful issue. These qualities have been taken advantage of not only in the chase, but also in pursuit of felons and fugitives of every kind. According to Strabo, these dogs were used in an attack upon the Gauls. In the clan feuds of the Scottish Highlands, and



Fig. 5.-Staghound.

and the fleeter foxhound; but it has been objected that the breed was known in England long before the foxhound was made use of, and indeed before there was an animal at all resembling the one which is now known by that term, and those who maintain this view regard the staghound as a bloodhound crossed with some lighter dog, as a greyhound or a lurcher. However produced, it is a majestic



became the terror of deer-stealers, and for this purpose were kept by the earls of Buccleuch so late as the 18th century, and even at the present time their remarkable power of scent is occasionally employed with success in the detection of murder. The Cuban Bloodhound is of Spanish descent, and differs considerably in form from the English variety, having small, though pendulous ears, with the nose more pointed, and with a more ferocious appearance. Its employment in the capture of runaway slaves, and in the cruelties connected with the suppression of negro insurrections, has brought the animal into the evil repute which more properly belongs to the inhuman masters, who thus prostituted the courage, sazacity, and pertinacity of this prostituted the courage, sagacity, and pertinacity of this noble dog to such revolting purposes.

large clouds of black and tan. Its speed is such that a foxnoble dog to such revolting purposes. noble dog to such revolting purposes.

The Staghound has been generally regarded as the result of a cross between the slow-paced old southern hound hours' continuous run performed by the duke of Richmond's hounds in 1738 before killing the fox, during which many of the sportsmen tired three horses, and several of the latter died during the chase. The Harrier is smaller



Fig. 7.- Harrier.

than the foxhound, not exceeding 18 inches in height at the shoulders, and is exclusively used, as the name shows, in hunting the hare. Of late years it has been greatly improved, so as to be almost literally a foxhound in minia-



dog, of great strength and considerable swiftness, besides possessing in common with the bloodhound, and with it alone, the property of unerringly tracing the scent it is first like all other hounds, must be kept to their own game. If haid upon among a hundred others. In the reign of George | you run fox with them you spoil them; hounds cannot be

perfect unless used to one scent and one style of hunting." A still smaller hound is the Beagle, from 12 to 14 inches lips, and heavy expression, its ears small and drooping, high, the most diminutive of the hunting dogs. It was formerly a great favourite, being used in hunting the hare, with ears and muzzle darker. Although fierce in combat but in this it has been almost wholly superseded by the harrier. It is much slower than the foxhound or harrier, but in spite of this its exquisite scent and its perseverance seldom fail to secure for it the object of its chase, although it may be after a leisurely hunt of 3 or 4 hours. The voice of the beagle is highly musical, and on this account a certain number of them were formerly added to each pack of hounds as a band now is to a regiment of soldiers. Diminutive packs, from 9 to 10 inches high, have been kept, and O'Connell used to beguile his winter leisure with a dozen of these tiny favourites. The Pointer is related to the hounds, and is supposed to be derived from an old Spanish breed. It is a beautiful, smooth-haired dog, coloured somewhat like a foxhound, active in its movement, and patient of fatigue. It owes its name to its habit of standing fixed at the scent of game, and this, like the crouching of the setter, whether due to long-continued training alone, or to the modification and exaggeration by man of the instinctive start of surprise common to all dogs, when first aware of their prey, is now inherited, the puppy pointing before his training has begun. The strength of this pointing propensity was never more signally shown than in the case, told by Daniel, of two pointers which stood immovable as statues during the hour and a quarter occupied in sketching them. The Dalmatian Dog is a remarkably handsome breed, apparently intermediate between hound and pointer It is of a white colour, thickly

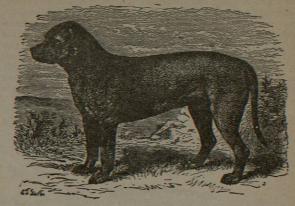


Fig. 9 .- Dalmatian Dog.

an Indian variety.

V. Mastiffs.—The Mastiff race of dogs is characterized. by extreme shortness and breadth of muzzle, enormous strength of jaws, and general robustness of form. It includes the Mastiff, the Bull-dog, and the Pug.

The Mastiff equals in courage, while in strength, intelligence, and mildness of disposition it excels, its near ally the bull-dog. It is commonly supposed to have been barking, and when once it has fixed its teeth into the the breed of large dogs abundant in Britain during Roman object of attack, no amount of torture will cause it to relax times, which were exported in large numbers to Rome its hold. Colonel Smith states that he has seen one for the purpose of fighting in the Amphitheatre, although "pinning down an American bison and holding his nose Colonel Smith believes that these early British dogs were down till the animal gradually brought forward its hind



it does not attack without considerable provocation, and it bears the teasings of children with the greatest good nature. When in former times it entered into combat with wild animals, it has been known to engage a bear, a leopard, and a lion, and pull each of them down in succession. At the present time the breed is rarely met with pure, and is chiefly useful as a watch-dog, its sagacity and fidelity in this capacity being well known. While he shows great attachment to man when made his companion, the temper of the mastiff becomes soured by confinement, and he is then dangerous to strangers. The Thibet Mastiff is larger than the English breed, and its countenance is still heavier. It is the watch-dog of the tribes inhabiting Thibet and the Central Asian table-land, to whom it is strongly attached, although exceedingly savage towards strangers. There is a huge mastiff figured on an Assyrian sculpture, 640 B.C., and Sir H. Rawlinson states that similar dogs are still imported into that country. The Bull-dog is the least sagacious, as well as the most ferocious and obstinate, of the dog tribe. It is smaller than the mastiff, but is strongly built. Its broad, thick head, the projection of the lower jaw beyond the upper disclosing the incisor teeth, the sudden rise of the head from the face, and the scowling expression of the eyes, combine to make the countenance of the bull-dog marked with rounded black spots, but it is not sufficiently keen scented or sagacious to be of use in hunting. It has accordingly been relegated to the stables, where it receives the training necessary to a coach-dog. It is known in France as the Brogue de Bengale, and is supposed to be an Indian variety. in its progeny. The ears of the bull-dog are short and semi-erect, and the nostrils distended; the colour varies, being brindled in some, and black and white in others. It is essentially a fighting-dog, and was formerly bred for the brutal sport of bull-baiting, in which its terrible obstinacy usually gained for it the victory. It differs from other dogs in giving no warning of its attack by preliminary object of attack, no amount of torture will cause it to relax only bull-dogs of a larger size than the present breed, and that the mastiff was introduced into Britain from the cold the fangs, most dreadfully mangled;" and there is an regions of Central Asia. It is a large dog, standing 30 instance on record of its returning to the attack on a bull,

after each of its feet had been cut off in succession. The | when once set in motion forced the dog to continue running dog is larger and more powerful than the English breed. The Pug-dog, which in form might be described as a miniature bull-dog, is probably a monstrous variety, rather than a degenerate form, of the bull-dog. It is, however, wholly unlike the latter in disposition, being timid and goodtempered, and is kept only as a pet, for which its dulness of intellect scarcely fits it.

VI. TERRIERS. - These include the numerous varieties of Terrier dog, and the Turnspit. The Terrier is a small but very distinct breed, and is probably one of the oldest dogs



extremities usually tan, but sometimes white; the Scotch brated Terrier having been known to kill 100 rats, collected in one room, in 7 minutes. The Bull-terrier is a cross

intelligence of this breed has been but slightly developed, and it exhibits little of that attachment to man which characterises other dogs, although it may be said to show a sullen sort of fondness for its master. The Spanish Bull-body and extreme shortness of limb, the latter being generally crooked.

DOGE, a modified form of the ordinary Italian duce, from the Latin dux, a leader or duke, employed to designate the chief magistrate in the republics of Genoa and Venice. In both cities the office underwent from time to time a variety of transformations, for details on which the larger histories of the republics must be consulted. In Venice the doge was originally chosen by universal

suffrage, held office for life, and was regarded as the civil, military, and ecclesiastical chief. His duties and prerogatives were not defined with much precision, and the limits of his ability and ambition were practically the limits of his power. In 755 his independence was diminished by the appointment of two assistants or duumvirs; but this institution was again allowed to fall into the background, and the doge acquired more and more of irresponsible authority, while at the same time the office was usually ommitted to a member of one or other of the more powerful families. This tendency towards a hereditary despotism was checked in 1033 by Flabenigo's law, which reinstituted the duumvirate, and declared distinctly that no doge had the right of associating any member of his family with himself in the government, or of transmitting his office on his decease. In 1172 a still more important change was introduced; not only was the duumvirate replaced by a body of six councillors, but universal suffrage was abolished, and the election of the doge intrusted to a committee of twelve persons, elaborately selected from the members of the great council. On the death of Ziani II. in 1229, two Fig 11.—Terrier.

found in Great Britain. Three distinct varieties exist in this country, viz., the English Terrier, smooth and graceful in form with sharp maybe and creek are compact hold. in form, with sharp muzzle and erect ears, compact body, strong though slender limbs, and tail carried aloft and someto the doge; the second was a board of three inquisitori what curved—the colour being black, with the belly and | sul doge, intrusted with the curious task of examining and extremities usually tan, but sometimes white; the Scotch Terrier, differing from the former in the shortness of the whose estates might be mulcted in accordance with their muzzle and limbs and in the rough wine shortness of the muzzle and limbs, and in the rough wiry character of the decision. To minimize as far as possible the influence of Terrier, distinguished by the length and coarseness of its hair, the extreme shortness of its limbs, and the great with some modifications, till the close of the republic; thirty hair, the extreme shortness of its limbs, and the great length of its body. It is of a light brown colour. The Terrier in all its varieties is an exceedingly bold, active, and intelligent dog. It was formerly a regular accompaniment to every pack of hounds, for the purpose of unearthing the fox, and to its eagerness in taking the earth it owes its name. Terriers are now chiefly employed in the destruction of a time of the days of the struction of the days. In many the days of the republic; thirty members of the great council, elected by ballot, selected nine members, who in their turn chose forty; of these forty twelve taken by lot chose twenty-five; the twenty-five; the forty-five were reduced to nine; the nine elected forty-five; the forty-five were reduced to eleven; and the days of t its name. Terriers are now chiefly employed in the destruction of otters, badgers, weasels, and rats, a form of sport into which they enter with the greatest ardour, and in which they show the most remarkable dexterity, a celeofficials or to administrative boards, and he who had once been really the pilot of the ship became little more than between this breed and the bull-dog, and is one of the most savage and obstinate of its kind. It was the breed chiefly

On state occasions he was still attended by all the savage and obstinate of its kind. It was the breed chiefly used in the brutal sports of badger-baiting and dog-fighting, now almost unknown in England. The Turnspit, a monstrous form of dog, is not confined to any single breed. It is figured on the ancient monuments of Egypt, and occurs among the pariah dogs of India and of Paraguay. In Britain, where they seem to be derived from hounds or terriers, there are smooth and rough turnspits, a name which they owe to their having been formerly employed in turning kitchen spits by working inside a wheel, which