made the young are about ready to fly, and have been aban- in fresh water." doned by the old birds, and in some places, owing to the winds and the constant shooting, the nests have been deserted before any birds were hatched.

to construct about the slightest nest that will hold an egg of dogs in North America. The Indians of the northwestand a bird. "Three sticks and a feather" constitute about ern parts of America were all in possession of half-tame curthe material, according to a recent visitor here. The feather like dogs, living in the same way as the dogs in Egypt—in is often wanting, but a few more sticks are generally added. a semi-independent condition. In the same country there branches, or anywhere else in the tree where suitable sup-was impossible to point out any distinction between these port can be found. Cedar trees along the river bottoms prairie wolves and the domesticated dog of the Indians. It

NATURAL HISTORY NOTES.

epiphytal plant, a myrmecodia, growing on trees in Borneo. the case of pigeons. Its seeds germinate, like those of the mistletoe, on the branches of the tree; and the seedling stem, covered by the cotyledons, grows to about an inch in length, remaining body of the plant.

lecture on the means taken by plants to disperse their seeds: keep the tree from this pest,

that the nesting would be the most extensive ever known in "Seeds that have not learned to fly with their own or other the State. The news speedily reached all parts of the State, people's wings, are taught, it seems, to swim. Trees and and it is said that in a fortnight's time three thousand hunt- bushes which bear nuts love low grounds and river banks. ers-professionals, amateurs, greenhorns-had invaded the Why? Because their fruit is shaped like a small boat, and country from all directions, surrounding and penetrating the rivulets playing over silvery sands, as well as the broad waves of the Pacific, carry their seed alike safely and swiftly It was noticed, however, by old hunters that the birds did to new homes. Rivers float down the fruits of mountain not settle down to domestic life as quickly as usual. The regions, into deep valleys and to far off coasts, and the Gulf roosting birds—that is, those who had not yet mated—out. Stream of our own Atlantic carries annually the rich pronumbered the nesting birds a hundred to one. Some of the ducts of the torrid zone of America to the distant shores of fit of copyright lays no foundation for an exclusive claim to more zealous and inconsiderate sportsmen entered the nest- Iceland and Norway. Seeds of plants growing in Jamaica the art itself. The description alone can be protected by ing woods and commenced popping away at the nests them- and Cuba have been gathered in the quiet coves of the Hebri- copyright. The art can only be secured, if it can be secured selves, a snow storm followed, high winds prevailed, and des. The fruit of the red bay has the form of a piroque; at first 'at all, by letters patent. many of the roosting birds, disgusted, postponed their an- it sinks to the bottom, but nature has given it a small hole in 3. A work on the subject of book-keeping, explanatory ticipated housekeeping, and scattered. The nesting conse- the upper part; a little air bubble forms there, and causes it either of old systems or of an entirely new system, conquently falls far short in magnitude of what was at first to rise again. The gigantic sea cocoa itself, weighing not sidered as a book conveying information on the subject and expected, though still large in area and containing millions rarely more than five pounds, but air-tight in its close shell, containing detailed explanations of the art, is the subject of of birds. It scattered along the banks of the Platte River, and buoyant by reason of its light, fibrous coat, is thus copyright; but the use of the peculiar systems of book-keepthe townships of Almira, Zeeland, and Homestead. The drifted from island to island, and rides safely on the surges ing described cannot be protected thereby. distance from one end to the other is over ten iniles, and the of the ocean from the Seychelles to the distant coast of width varies from a few rods to three or four miles. There Malabar. There it lodges and germinates in the light moist not the subject of copyright, nor can the copyright of a are, however, numerous long distances between the two sand, so that the Indians of old fancied that these fruits work on book-keeping with portions illustrated by such extremes where no nests are to be found, and the birds have grew under water, and called them "sea cocoas." A still ruled lines and headings secure the exclusive right to make, occasionally changed their ground, so that many of the hunt- more striking provision of nature is this, that there are some sell, and use account books prepared upon the plan set forth ers themselves are very uncertain as to the exact where- seeds of this kind so exquisitely adjusted to their future des- in such book. abouts of the birds at the present time. In the nests first tination, as to sink in salt water, while they swim with safety

The Pedigree of the Dog.

While considering the problem of the origin of the dog, One nesting is about the same as another, and the first in a recent lecture at the Royal Institute, in London, Prof. nest you come to is like the million others in the county. Huxley expressed the opinion that its solution was easy if a When these migratory birds have mated, decided where to beginning was made upon a solid basis of fact. Such a settle, and have staked off their claim, they proceed at once basis of fact was supplied by what was known of the origin The nest is placed in the crotch of a tree, on two forked existed a wild animal—the Canis latrans, or prairie wolf. It seem to be preferred, but when the nestings are large, beech was somewhat difficult to understand how these wild and and other trees are occupied. From half a dozen to fifty fierce animals could be tamed; and yet, when one knew the United States to aid us in ascertaining the nature of the or sixty nests are built in a tree, and only one egg is laid their habits, it was easy enough. The smaller wolves and property intended to be protected. "Congress shall have jackals, although predacious and fierce, were endowed with singular curiosity; that curiosity directed them toward man securing for limited times to authors and inventors the exand his doings. There was not one of these animals which, clusive right to their writings and discoveries." The act in Interdependence of Plants and Animals.—Few, perhaps, if caught young—whether jackal or small wolf—could not question was passed in execution of the power here given, know that a certain little gall fly (Cynips) of Asia Minor de- be tamed and made as attached and devoted to man as any and the object, therefore, was the promotion of science; and cides on the existence of tens of thousands of human beings. ordinary dog. It was not difficult to understand, therefore, it would certainly be a pretty extraordinary view of the As our clippers and steamers carry the produce of the land how these animals became acquainted with man, how they sciences to consider a daily or weekly publication of the from continent to continent, so these tiny sailors of the air became trained, and how from them sprang a race of domes state of the market as falling within any class of them. carry the fertilizing pollen from the male to the female flow-ticated animals which, curiously enough, were far more at- They are of a more fixed, permanent, and durable character. ers of the fig tree. Without pollen there come no figs, and tached to their masters and the animals with which they . The term "science" cannot, with any propriety, be applied consequently on the activity and number of the gnats de- were brought up than to members of their own family. If to a work of so fluctuating and fugitive a form as that of a pends the productiveness of these trees. The fruit of the they could depend upon the fact that this one domestic dog newspaper or price-current, the subject matter of which is fig is not, as in most other cases, a pericarp enveloping the originated in the taming of an indigenous wild animal, then daily changing and is of mere temporary use. Although seed, but a common calyx or receptacle which incloses the the general problem of the origin of domestic dogs would great praise may be due to the plaintiffs for their industry flowers. In the center of this receptacle the cavity is lined take this form—could they find in all parts of the world in and enterprise in publishing this paper, yet the law does not with a multitude of flowers, the male and female blossoms which domestic dogs were known wild stock so similar to contemplate their being rewarded in this way; it must seek being on distinct plants. The medium of communication the existing race of dogs that there was nothing unnatural patronage and protection from its utility to the public, and to these flowers is only a small aperture at the summit of in supposing that they had the same origin as the Indian not as a work of science. The title of the act of Congress the receptacle. Hence the access of pollen to the female dogs? They might trace dog-like animals further and is "for the encouragement of learning," and was not inblossoms is impossible by the ordinary means of transmis- further west, until, in Northern Africa, they had a whole tended for the encouragement of mere industry unconnected sion, and this is accomplished by the little gnat, which is series of kinds of dog-like animals, usually known as jackals. with learning and the sciences. . . . We are accordcontinually fluttering about from fig to fig for the purpose He believed that these wild stocks were the source from ingly of opinion that the paper in question is not a book the of finding a suitable place in the cavity to deposit its eggs. which, in each case, the savages who originally began to copyright to which can be secured under the act of Con-These gnats, therefore, regulate in fact the extensive and pro- tame dogs had derived the stock. This view was confirmed 'gress. fitable fig trade of Smyrna. A little ugly beetle of Kam- by archæological researches. They had preserved to them, schatka has, in a like manner, more than once saved the on the monuments of ancient Egypt, a great variety of Cases, 407) was a claim to copyright in a catalogue of furnientire population of the most barren part of Greenland from forms of dogs, and it was significant that the further back ture which the publisher had on sale in his establishment, apparently unavoidable starvation. It is a great thief in its they went the fewer were the varieties, until, at the time of 'illustrated with many drawings of furniture and decoraway, and a most fastidious gourmand moreover. Nothing the third and fourth dynasties—that is about 6,000 years tions. The defendants, being dealers in the same business, will satisfy it on a long winter evening—and we must bear ago—there were only two well marked forms of dogs. One published a similar book, and copied many of the plaintiff's in mind that these evenings sometimes last five months with- of them was a comparatively small cur-like dog, similar to drawings, though it was shown that they had for sale the arout interruption—but a constant supply of lily bulbs. The that which was to be seen in the streets of Cairo at the pre-ticles represented thereby. The court held that these drawlilies are well content with this arrangement, for being eaten sent day, and the other was like a greyhound. The cur ings were not subjects of copyright. Lord Romilly, M. R., comes as natural to them as to a Fiji islander; and they are, was, no doubt, a tame species of the wild jackal, which was said: as a compensation, saved from being crowded to death in a still to be found in the same country; and with respect to This is a mere advertisement for the sale of particular arnarrow space, while those that escape the beetle shoot up the greyhound, there was in Abyssinia a very long-headed ticles which any one might imitate, and any one might advigorously the next summer in rich pastures. Still better dog, which was very much of the same form as the grey vertise for sale. If a man, not being a vendor of any of the content are the Greenlanders; for, when their last mouthful hound, and which, it could hardly be doubted, was the articles in question, were to publish a work for the purpose of meat and their last drop of train oil are gone, they dig source from which it sprang. Assuming that there was no of informing the public of what was the most convenient up and rob the provident little beetle of its carefully hoarded doubt that the origin of dogs could be traced to these species of articles for household furniture, or the most treasures, and, by its aid, manage to live until another sources, the more modified forms of the domestic animal graceful species of decorations for articles of home furniwere simply the result of the selected breeding, which had ture, what they ought to cost, and where they might be Self Defence among Plants.—Dr. Beccari describes an given rise to the same modification in dogs as it had done in bought, and were to illustrate his work with designs of each

Apple Borer.

A subscriber asks how he can get rid of the apple borer. anything more than the point of a penknife. A few minutes works and designs of the first advertiser. Dispersion of Seeds.—Says Professor Prentl, in a recent spent in this way about the first of October each fall will

RECENT DECISIONS RELATING TO PATENTS, COPY-RIGHTS, ETC.

Supreme Court of the United States.

BAKER vs. SELDEN. (Decided October Term, 1879.)

1. The copyright of a book, if not pirated from other works, will be valid without regard to the novelty of the subject matter.

2. The description of an art in a book entitled to the bene-

4. Blank account books with ruled lines and headings are

5. Although the proofs show that the defendant makes account books arranged on substantially the same system as that explained in the copyrighted book of the plaintiff, it does not appear that he has violated the copyright of the same regarded merely as an explanatory work, and, as the plaintiff is not entitled to an exclusive right in the system, the charge of infringement is not sustained.

Appeal from the Circuit Court of the United States for the Southern District of Ohio.

Mr. Justice Bradley delivered the opinion of the Court. Among other things stated is the following:

The remarks of Mr. Justice Thompson in the Circuit Court in the case of Clayton vs. Stone & Hall (2 Paine's Rep. 392), in which copyright was claimed in a daily price-current, are apposite and instructive. He says:

In determining the true construction to be given to the act of Congress it is proper to look at the Constitution of power to promote the progress of science and useful arts by

The case of Cobbett vs. Woodward (L. R., 14 Equity

article he described-such a work as this could not be pirated with impunity, and the attempt to do so would be stopped by the injunction of the Court of Chancery; yet, if it were done with no such object, but solely for the purpose in that condition until a certain species of ant bites a hole in According to a writer on horticultural and agricultural of advertising particular articles for sale, and promoting the the stem, which then produces a morbid gall-like growth, subjects, when borers have once gained possession of a tree private trade of the publisher by the sale of articles which which ultimately becomes a tuber-like body, constituting the only way to get rid of them is to hunt for them carefully any other person might sell as well as the first advertiser, the home of the ants. Dr. Beccari asserts that the presence with a knife or wire and destroy them. The eggs of the and if in fact it contained little more than an illustrated inof these ants is an essential to the plant's existence, for unless parent beetle are deposited during nights in June, and are ventory of the contents of a warehouse, I know of no law the young plants are thus attacked by these insects they placed in the bark of the tree at the surface of the ground, which, while it would not prevent the second advertiser soon perish. The ants then protect their plant home by or whatever may surround the tree. These eggs hatch in from selling the same articles, would prevent him from rushing fiercely out on the intruders. The white sessile our latitude during September; and it is soon after this that using the same advertisement, provided he did not in such flowers in this species are produced on the tuber-shaped; the young grub may be easily removed without the use of advertisement by any device suggest that he was selling the

Another case, that of Page vs. Wisden (20 Law Times Rep., N. S., 435), which came before Vice-Chancellor Malins