ANTS AND THE LARV \& OF LYCENA PSEUDABELOLUS.

The behaviot of ants towani ajphiden, from whinh they obtain supplies of a secretion which is quite to their taste, has long leen a matter of ebservation. It is now anuunced that antu have a way of cheriahing the larva of the batterfy (Lacroa Perwiargiolus) for the tastuful mattern which it exules. In the last isnue of the Casaliaa Eatomologiet thare is a descrip. tiou at observations of this kind by W. H. Eleards, of Virgisia, from which we quote an fellows: "The ants, when dinoverend ou a stem, will invariably be of or near the larra. They run over the baly, caresuing with antennes, plainly with the ohyent of pernasting the larva to exit a drop of the fland on the eleventh seg. tenent. Xoot of this carvaing is done about the anteror segments, and whie the ants are so employed, or rather wiale they are atornot from the last segmeats, the tabos of the twelfth seg: meat are almoat oertaialy expanded to fall uxtent, and so remain, with no retracting or throbbing, until the antr come tambling al nog in great excitement, and pat either foot or asteuns direetly on ar clase by the tubes, whan these are iustantly withalrawn. Then ants pay no heed to the tules, do not put their mantho to them or to the openings from which they spring, aor do they manipglate that segment. They week for nothing and expect nothing from it Bat they do at nees turn to the eleventh, eares the lack of the enument, put their moaths to the ofering and exhbit an eager desire and expectancy. By holling the glass stealy on the elerenth, a nevement of the lack of this evgment will soos be apparent, and suldenly there protroder a dull groen, Alahy, mamilloid argan, from the top of olueh comos a tilly drop of clear grees flad. Thas the antedriak greesily. twe or three of then perhape standing about it, and they lick of the lat trace of it, striking the segrent mrantime. As the drop diesppears this organ sinke in at the ajex aul is so withdrawn. The anto then ras alous, soms seeking otlist larve on the same stem, some with ni delinise object, hat prasently ali return and the carcsuinge ga on as lefors. The intervals between the apyesrauns of the glotule varied with the conditian of the larcin. If ex. hausted by the long ovatinast sulioitings, sorne minstes would clapues, and the telos mearwhite reinsinel coacesiel, but a frath larver ropuired little of no arging and one glotrale forlowed another rapidly, vinetime gom withonat a retracting of the organ. I have crianted six eminsions in 75 reondils. The larve did not aleay amait the appraach to the eleventh mig. ment, hat gave out the drop sasought and as Eons as if was aware of the presence of the ant Naw and then the itrop was preceiled by a bab. ble several times larger than itsell."

Plants as Ain Puimeras - Mr. Givilestone says, is s littie pamphlet lately published "it a nsmber of firis le placed in a glass ease isuch as an aquariumi, with plenty of sugar to feed on, and the cawn the then masle air tight, they will in a fow days have se peisobed the air with their lienath that they will dies But if wime living plasta, as well as sugar, are shat in with them, thry will continue to live for months, Fith active appetites and in perfect healih; the plants memavieg the corlounte acid anif amponis (both of thew prisies to snimals), and retarn. ing to them pare arygee and nitrogea intead."
A Prozia Livisp withuet a firatw,-Dr. MiQuilleir rewally duacribed before the Amer. foan Phifonphial Socety a oase of the extirpathes of nearly the whale of the cerelorum of a pigais, eperated apos by limself. He desired to plarr in rocod the fast that the animal not only surrivel the uiperation 24 days, bot that it gralasily movined ite senal powers and habita of fight, sad its alility to feed itocli sad drink. Onby (ase other meth oase is on

The Porst of Greatest Sthesoth is Mkral-Numerous experiments have been coadseted by several eminent engineers to prove the tensile strength of iron and steel, both in the shape of bars and plates. Unfortunately, however, many of the tests have been earried ont with rude testing machines, rendering it difficult to obtaina true result of the endurance and streogth of the metal under investigation. In addition to this a large proportion of the specimena tented have been of short lengths of metal, varying from 2 in . to 4 in ., and in all such casea a higher tensile strain has been noted

## A NEAT DWELLING.

In the planning of houses and the ornamenta. tion of their exteriors and interiors, there in wide room for the application of individual tastes. What would please one home-maker would not another. In our choiee of designs to present to our readers, we hnve mado a wide diversity in styles that each might choose ascording to his liking. Ine aesigus wiich we


DEAIGN FOR DWELLING HOUSE WITH FRENCH ROOE.
than ean be depended upon in practice, while give on this page is another from the establiahthe rlugation has alno heen mbich orerstated, a ment of Isaac H. Hobbs \& Son, architects, of lare proportion of the extension of the speci- Philalelphia, Pa. It is quite different from the is callel "breaking elongation." With an what light and airy cottage exteriors which we have rate and sensitise tegation. Wine theca mum load is always carried in the mild ductile metals when about tive-vighths of the elongation has taken place ; the remainder, down to the point of breakage, is developed with a

FIIIST FLOOR.
gradually reducing load. Ordinary iron boilerplates and hand steels are an exorption to this memm load, but with little or no reluction of area
Tus Avis Minor reform programme, includes English offioers commanding the mixel Chris. tian and Masulman polioe, English assintant jud tar for Courts of Appeal, and Eaglish approval is the appointment and dimmisal of head
taxgathers.
 given before. It is rather more severe in outline; the feature of the building being the Fruch roof. It is quite flat above, but the upper rooms are kept from overheating by the downpouring of the sun's rays, by leaving an air-space between the roof and the ceiling of


## SECCOND FLOOR.

the upper rooms. It is estimated that the house can be built of frame, as shown in the plans, for 82,500 where materials is of average
cont.
The floor plans are explained as followa: $A$, hall, 8 feet wide; $B$, parlor, 18 by 20 feet; $d$. library, 14 by 16 feet; $D$, dining room, 14 by 16 feet; $E$, chamber, 12 by 14 feet; $F$, kitehen, 16 by 17 feet; $G$, ehina closet; $H$, porch.

## In the second floor, $K$ represents the chata bens; $L$, bath room; $M$, veranda.

