very day-May 7th -- since I had began my career as a medical man. Perhaps the date, reviving, as it did. so many youthful ambitions, was responsible for the fact that instead o sanking the most of the unusual lux ary of a good night's rest I began to young laty they were making such a Pines to see. dream instead.

It was a distinctly pleasant dream, and I had reached the point where I was modestly responding to a vote of thanks proposed by an eminent memper of the Royal Society in acknowlcaveries in medical science, when the bed and unbooked the receiver.

"Hello!" I said, sleepily; "yes, I'm here all right—I'm Dr. Armstrong." "A dector! O, thank God!" sighed * woman's voice. "Have you a mo-2072"

"Yes "Then, for Heaven's sake, come at DECE-Tho Pines, Oakbridge, Surrey. insist on rocing Mary Stamford-tall, andtair, brown eyes. Don't let any one but you of-accept ne excuses-it is a matter of life and-death!"

The last word ended in a sharp scream; then came silence. Some one had abruptly replaced the recelver, and so put a stop to the woman's message.

demanded sloopily what number 1 quietly.

"The call came from Oakbridge; I don't know the number. Kindly Sock up The Pines, Cakbridge, will you, and but me on to them againthe message was interrupted just

There was a pause, which I utilsized to rouse my chauffeur, and, after and rang a loud peal on the ponderdinging on my clothes as rapidly as ous bell. possible, was busy packing a surgical mag when the telephone bell rang

Yes, I'm Dr. Armstrong. about that number?" -

"There's something wrong with their wire," said the sleepy clerk; "E"I've rung them up three times and had no answer, so it's no earthly use my trying to put you on to them again to-night. We'll have the wire see," he added, between a yawn and 'all." looked to in the morning. Good night!"

Almosi before the sleepy youth had Snished his explanation I had made up my mind that, if I knew anything of the human voice, there was no mistaking the genuineness of that agoaized appeal that had reached me along the wires a few moments be-

The unknown woman had appealed to me for help, and-"By George, she shall have it!" I decided, as I picked up my bag and tiptoed past my mother's door in the hope that I should get away without waking her.

"Going out, Harry?" called the gentle voice, which represented all Lat I had ever known of a woman's anderness.

t be very long," said I

ht," said I, as I 722 do the mo n as the car raced through the erted streets and out country I caught myinto the ope self reflecting that for a commonplace andividual like myself the journey on which I was embarked was, to say the least, unusual. I had never heard of The Pines, Oakbridge, and yet here I was at midnight traveling at considerably over regulation speed into the heart of the Surrey hills, immelled thereto by the note of appeal in an unknown woman's voice.

CHAPTER II.

slid down a gentle slope into the vil-

something where we can inquire."

he drove slowly through the village just replaced the lamp when the carestreet, where every house was close taker came from a door at the back attacks of the two women. shaitered and even the dogs seemed of the hall, which apparently led to a

"It certainly is rather an out of the way little place," said I, glancing to Then I think we may as well go up who gave vent to a series of blood- nitrogen in large quantities direct where the Surrey hills rose to right at once. No, thanks; my assistant" curdling expletives as he found him- from the atmosphere is now taking a and left, shutting in the hamlet as (I emphasized the word as I shot a self being firmly secured to the stout commercial shape. The Atmospheric though it were in the hollow of a meaning glance at Stebbing) "will iron bars that protected the window. | Products Company is using the power giant's hand.

ar inn. or-

"No, we'll explore a bit first; I fanhouse at the end all right, and-by paper, of course, sir?" George! This is The Pines," I added, the big white gate. "There's no need your niece?" to take the motor any further. I'll

"Better let me come with you, sir," mid Stebbing.

"Why?" I questioned.

"Well, sir, it's an out of the way lady 'erself, didn't she, missis?" place for one thing, and somehow

"Oh, there's no accounting for a me into the patient's room. satient's whims," said I, "und in some cases-what was that?" I broke dience to his wife's irritable:

breaking of a window. Rather a doctor and me can manage 'Liza all queer sound at this time of night, right!"

Then, as we emarged from the inky shadows of an avenue of lime trees. and found ourselves on a wide mossgrown carriage drive, Stebbing added in a whisper:

"ababited, don't it. sir?"

It happened to be five years to the of broken glass. "That settles the calm and collected as though I had plained, "until you can communicate liss Stamford ---

fuss about in the evening papers; but | them. sir?"

"No: why?"

disappearance of Miss Mary Stamford, ally; "but I'll just write a prescrip-Egment of my recent important dis- daughter of a wealthy American. It tion which you can get made up in appears she landed from New York the morning. Stebbing," I added, reciferous applause of the audience at Southempton yesterday, and while stepping on to the landing, where my merged into the ping-ping of the tele- | her father had gone to arrange some | chauffeur had discreedly taken up his phone bell. My fictitious honors business with the customs officials position, "just hand me that bag a merited into thin air as I sat up in the girl and her maid disappeared moment, will you?" and haven't been seen since. The police seem to think she may have money from her father, and ---"

"Did the papers give any description of the missing girl?" I broke in eagerly.

"' s. sir, they said she was tall, with golden hair and brown eyes,

"That's the exact description given of the patient at The Pines," said I. 'We'd have done better, Stebbing. to bring a couple of policemen and some handcuffs instead of a surgical

"Chioroform might come in handy, pertickler if we 'appened to be out-When I rang up the exchange clerk numbered, sir," suggested Stebbing,

> "A capital idea," said I, "but in the meantime we must keep our eyes and cars open and if possible try to find out the position of the room with the broken window."

> "Very good, sir," whispered Stebbing, and in another moment we tramped noisily up the gravel sweep

door was opened by a small, wiry- presence to fall into a heavy sleep. looking man, whose dishevelled hair lie to that impression.

"Bog pardon, sir." he said curtly, a smile, "the family is not expected cept me or the wife or 'er niece. She don't ail much really, but she's not evening, leastways the wife thinks sh was going to--

"She did. I was the doctor in quesonly gave a very fragmentary message, I gathered that she was suffering, and therefore-

"She didn't describe her symptoms, sir?" questioned the man quickly. ew words before she was run off."

it was a shame to trouble any doctor and jumped into to come from a distance, when there's a medical man in Oakbridge."

had better see the patient?"

of course, but you see, sir, she's in

"My patients generally are," said I, good humoredly. The man hesitated, then:

wife, if you'll excuse 'er being in dishabilly.'

He disappeared without waiting my chauffeur an hour later, as we was lighted only by a small hand lamp placed on the window sill.

It was with the assistance of this upon me. "I haven't any idea?" said I, "but lamp that I silently pointed out to there's sure to be a police station or Stebbing the imprint on the dusty rendered the first ruffian practically claimed for this feature, because floor of a second and larger pair of harmless, and I soon decided that the hitherto it has been found that the "It don't exactly look like it so far, masculine boots than those worn by contents of the stoppered bottle propellers of canal-boats get fouled does it, sir?" Stebbing retorted, as the man we had interviewed. I had would prove the safest and most effi- with aquatic vegetation, growing on back staircase.

bring the bag. It's just as well to "The place is evidently too small have a second medical man when say another word in this lady's pros- nitrates by means of electric disfor a police station, sir," said Steb- the patient suffers from delusion. ence, I'll give you such a dose of charges through air; the Eschwellerbing: "had I better knock them up at They're often a little violent, chloroformand-

wied 1 saw a light just beyond the might call violent, sir, though she 'as ad up for three murders as it is," among the Irish bogs, draws nitrogen Dump of trees along that road to the er little delusions. For instance, she he added, glancing at the inert forms from the air; and in Sweden a proright: you'll have to steer carefully, fancies to-day as 'er name is Mary as it's rather narrow, but there's a Stamford-you've seen the evening

"No, I happened to be too busy to-

just walk up to the house and --- Stamford seems to 'ave eloped, or obeyed, I turned and whispered to supply a mixture of nitrites and nitshe began to think she was the young

"Yes, 'Liza's always imagining that telephone message didn't sound some rubbish of that sort!" said a guite straightforward. If the lady tail, muscular looking woman who somewhat recovered. I seized a cloak situation, and may lead to exploneeded a doctor, why shouldn't she had joined us at the head of the stairs have sent for her own medical at- and busied herself buttoning her soiled dressing gown as she ushered

The man had disappeared in obe-"It's all right, Bill; you can go

uggestion of possible violenceseemed | coolly: absurd. The patient had all the appearance of a somewhat heavily-built with the motor horn, sir; that'll great pressure remains. This swiftly young woman, who had been roused rouse Oakbridge, if anything will." "Looks as though the house wasn't jout of a sound sleep, and her halfsorgnologi, half-irritable replies to my "That's bardly possible in view of questions certainly bord out this im- perionced anything like it before block of iron sixteen inches thick can the telephone message "said i; then, pression. Then I took her pulse, and Indeed there was such a hubbub that thus be penetrated in one or two minstepping softly along the edges of the to my astenishment found it beating after the preliminary explanations utes.

www.in a fushion that betraved at once been gone through I decided to leave under some strong excitement.

me that candle, please? Thank you -yes, that will do," said I, addressing the older woman, and I flatter flower beds I pointed to the sheets myself that my voice was as perfectly question as to their not all being in not made the important discovery bed and asleep, and the first thing that not only was the girl deliberateve've got to do is to find out whether ly shamming sleepiness, but that in no particular of her personal appear-"Stamford!" echoed Stebbing; ance was she in the least like the imploring hand on my sleeve. why, that was the name of the woman I had been summoned to The

"She's all right, ain't she, doctor?" perhaps you didn't 'appen to see said the tall woman, with a porten

tious yawn. "Well, there's nothing serious the

Stebbing obeyed, but instead of rummaging among the contents of been kidnaped in order to extort the bag, I scribbled a few words on a piece of paper, and thrust it into his hand.

> "I'm convinced there's some sort woman in this house."

> "No, I shan't require your assistance," I said, aloud. "You can wait for me in the hall."

"Very good, sir," said Stebbing. and when I returned to the patient's oom, I made a great show of being engressed in the writing of my prescription, although in reality I was busy watching the two women as closely as I dared.

Once, when I looked up suddenly, caught a quick glance of understanding pass from the alert eyes of the woman on the bed to her companion, but when I turned once more to the patient, she was apparently more sleepily inclined than ever, and with a little mischievous laugh. before I was half way down the stairs, accompanied by the older woman, a loud snore betrayed the fact that she It was quite ten minutes before the had only waited to be relieved of our

"Not much wrong with 'er, is there, and collarless shirt indicated that he sir?" said the woman, the added in know-it was a chance. I suppose. had just sprung out of bed, though a conciliating tone, "but she'll be all | Or, no-I remember, now. It was his neatly laced boots rather gave the the better for that physic, I'm sure. the date-the 7th of May. 1905." Left your 'at upstairs, 'ave you, sir; then I'll run pack and fetch it. Keep there must be some mistake; there's straight on down the stairs, please, I qualified," I said, taking her small no one ill at The Pines, sir. You and you'll come out into the front

As the woman hurried up the stairs home from the Reveera till next I turned to Stebbing, who was literweek, so there's no one to be ill, ex- ally panting with excitement, a few steps lower down

"This way, sir!" he gasped, as he what you might call quite-quite all raced down the long corridor, then there, you know, sir, and she's al- up a second flight of stairs and along ways wanting to see the doctor. She another corridor, only pausing when rang one up on the telephone this he reached a door at the further end.

"It's the room with the broken window, sir," he whispered, "and I'll s.rear I heard a woman's voice calltion," said I quietly, "and though she ing for help. Yes, the door's locked right enough, but if we both shove our shoulders so-got it. sir, this time!" he added triumphantly, as the or give 'er family 'istory, I suppose, splintered woodwork, and Stebbing "No, she had only time for a very into a big, bare room, lighted only original powdered form being mixed Secretary of Agriculture. Washingby the rays of the moon which shone "Yes, my wife did that," said the through the bars of the unglazed then successfully forced into rods man, evidently relieved. "She said window and fell on the meshes of a and shapes, as desired. woman's golden hair.

Then Stebbing struck a match, and "But since I am here," said I, de- taker with his hand pressed against sold for saw handles. Apple timber True we have such remedies as oilpositing my bag on the floor of the a woman's mouth, I made a sudden is hard, tough and without much ing, tarring, westrumiting, and the partment of Agriculture, Raleigh, N. dismantled hall, "don't you think I rush that sent the scoundrel spinning grain, and once it is shaped it sel-"Well, sir, it's very good of you, fellow was stronger than he looked ber is so well fitted for saw handles. back to the construction and repair pout pred pur 'res e se suffe se pur been in fair training I could hardly have kept my grip on his throat

while I panted out: "Quick, Stebbing-the small stop-"Very good, sir, if you don't mind pered bottle! Yes, that's it! Empty waiting a moment, I'll just fetch the it on to a towel-anything-right! Rhine, and connecting canals, be-Now-look out, man!" I broke off;

'the others are coming!" for my reply, and Stebbing and I neared the door, and in another mo- five horse-power placed at the rear bouts of The Pines, sir?" demanded were left alone in the big hall, which ment he was hurled to the ground by end. The novel feature of the boat are made or repaired with materials a big, burly rascal, while the two consists in a device whereby the padwomen flung themselves savagely dle-wheels automatically rise or sink,

cacious way of meeting the wildcat the bottoms of canals and rivers.

Then I rushed to Stebbing's assistance, and between us we succeed- the project, which seemed somewhat "The patient is awake, is she? ed in overpowering the burly rascal, wild a few years ago, of obtaining "Silence!" said I angrily; "if you

"Don't do that, guv'nor," whined "Oh, Eliza Morton ain't wot you the man; "as likely as not you'll be to be employed on a commercial scale

of his three accomplices. make much difference," said I grim- half of nitric acid is produced every ly, as I forced a stiff dose of sal- day. The chief object in view is to pausing to examine the lettering on night; but what's that got to do with volatile between Miss Stamford's furnish fertilizers for the soil, but trembling lips. "Don't speak! Just to most of the processes heretofore "Only that a young woman named drink it!" i urged, and as the girl in use it has been objected that they something, and our Eliza was read- Stebbing, "Bring up the motor as rates and nitrites are harmful to ing about it at tea, and so, of course, fast as you can. Those wretches vegetation. will revive directly, and I haven't another drop of chloroform."

ed out of the house.

It did; in fact, I doubt whether

the fact that for all her apparent Stebbing and several amateur polethargy, the patient was laboring licemen in charge of the matter, while I drove Miss Stamford back to "Wil. you be kind enough to hand town, it order to place her under my mother's wing as quickly as possi-

"My mother will be delighted if you will remain with her," I exwith your father-unless you would

ther put up here, or-"No; place, please take me away with you!" said the girl, laying an

"Right! 1 will," said I, and said very little else, till I handed the girl over to my mother's care, but somehow, when the latter 'nsisted on my soing to bed for a few hours before beginning the work of the day, I "Well, sir, they were full of the matter, certainly," said I, hypocritic- did not dream this time of the shadowy honors that might possibly fall to my lot in the dim future, but of the very tangib'e reality of a girl's beauifui face, framed in masses of golden hair, which in dreamland I venured to caress as I gazed into the clear depths of the lovelight eyes in

> the world. Curiously enough, some months

later the dream came true. The rascally gang had been tried and sentenced that day, and in the evening my flancee and I strolled of foul play! Lose your way going out on the balcony of my London downstairs; do anything as long as house, leaving our elders engrossed you find out whether there's another in an animated discussion on "criminal instincts," or something equally fascinating.

"I was thinking how quickly you came to my rescue that night," she

said. "And I was thinking what a lucky whim of fortune it was that made you ring me up on the telephone," replied. The words suggested a rain of inquiry that had never been deared up. "By the way," I added, 'why was I the fortunate person?" Why did you ring up my number? We had never met: we had not even aeard of one another."

"But I did not ring you up: at least, not intentionally," she said, "You see, I seized the telephone and simply screamed into it the first number that came into my head." "But what made you hit

7505?" She shook her head.

"To be sure. That explains everything. It was my great day, the day hand in mine, "now the day of my great fertune."-Biack and White.



Scientists have always contended that the odor of gasoline is fatal to the mosquito.

The manufacture of tantalum, one of the hardest metals known, into door gave way with a wrench of sheets and bars is now, it is said, being practiced in Germany by the squirting process, the material in its with water and gum tragacanth, and ton, D. C., 1906.

In parts of Michigan large quantias I caught sight of the rascally care- ties of apple wood logs are cut and of which interests all automobilists. against the opposite wall. But the dom splits or shreds. No other lum- true abatement of dust must trace and middlings one part gained 1.26 The supply in Michigan comes in of the road itself. On the other side short logs, six or eight feet long, from abandoned orchards.

A new form of self-propelled canalboat has been tried on the River tween Strassburg and Antwerp. It has a carrying capacity of 280 tons, Stebbing turned as the rush of feet and is driven by an engine of twentyaccording as the boat is light or Luckily the chloroform had already heavy laden. Great importance is

Attention is called to the fact that of Niagara to make nitric acid and Woltereck process, for producing sulphate of ammonia from peat, about cess is in practical operation at No-"In that case a fourth wouldn't todden whereby about a ton and a

Sometimes in blast-furnaces the Stebbing was off like a shot, and tap-hole becomes clogged with soa moment later, when the girl had lidified iron. As this is a dangerous from the back of a chair, wrapped it sions, overflows and other troubles, round her, and without more ado, a quick remedy is required. But picked her up in my arms and hur- heretofore none has been found that can always be depended upon. Even Luckily, Miss Stamford was a a powerful electric current acts too light weight, for though I'm six feet slowly in clearing out the stopped-up two and fairly fit, it's no joke car- tap-hole. Recently a blast of oxygen "It sounded uncommonly like the down. You're not wanted 'ere; the rying any woman bundled up in a has been applied with satisfactory recloak like a baby. However, I was sults. At first a flame of oxygen and soon able to transfer her to the hydrogen is blown against the plug But as I bent over the lethargic motor, and as we raced down the ave- of iron until the temperature reaches figure on the bed the older weman's nue at top speed, Stebbing remarked a high point. Then the hydrogen is withdrawn as the heat increases, until "I think we'd better raise Cain only a blast of pure oxygen under burns the iron, at the same time keeping the hole free from the prothat peaceful hamlet had ever ex- ducts of the combustion. A solid



Public Roads of Maine.

In 1904 there were 25,528 miles of public road in the State of Maine, of which 2236 miles were surfaced with gravel and eighty-seven miles with stone, making a total of 2323 miles of improved road. It will be seen from these figures that nine per cent. of the roads have been improved. By comparing the total coad mileage with the area of the State, it appears that there was 0.85 of a mile of public road per square mile of area. A comparioson of mileage with population shows that there was one mile of road to every tweny-seven innabitants, but only one mile of improved road to every 298 nhabitants.

The necessary funds for making and repairing highways, "townways" and bridges are raised by the voters it the annual town meetings in March. These funds are assessed and collected in the same manner as other town taxes, and are expended by the road commissioner or commissioners, or by the selectmen, as each town may determine.

Towns establishing State roads may receive State aid to the extent of one-half the amount devoted by the town to the permanent improvement of such roads. Under the law in force in 1904, no town could receive from the State a greater sum than \$200 in one year, but in 1905 this limit was raised to \$300. In crder to secure this State aid the town must, before October 1, have raised and expended in the improvement of such State road, in a manner satisfactory to the county commissioners, at least \$100 over and above the amount regularly raised in the town for highways and bridges.

The State has also, by legislative enactment in specific cases, assisted the poorer towns and plantations to build roads and bridges. In the last twenty-five years such State appropriations have amounted to a total of \$176.830.29. For the year 1904 the amount was \$11,400.

The average annual expenditure for town roads for 1901-'04 was \$1,-377,196.14. The amount expended on State roads by the towns in order to receive State aid was \$50,312.07 in 1904. The amount expended in the various towns by the State was \$32,485.49. The total amount expended therefore by the towns and by the State, including the State's special appropriation referred to above, amounted to \$1,472,393.70 for 1904. By comparing the total expenditures with the total mileage of public road and with the population of the State, it is found that the funds collected and expended for road purposes, including roads, bridges, sidewalks and snow expenses, amounted to \$57.67 per mile of public road, or \$2.12 per inhabitant .- Maurice O. Eldridge, Chief of Records. Approved: James Wilson,

Dustless Roads.

How to bring about dustless highways is a problem, the quick solution latest is the use of calcium, but the the question is just now receiving represent the average gains under unusual attention in England, where a Dustless Roads Association has been organized, its membership coming substantially from the ranks of

the automobilists. Secretary Vaughan, in calling attention to the association, says: "The trouble is mainly attributable to the fact that the roads in many instances Our efforts are, therefore, chiefly directed toward the elimination of this fault by bringing to the notice of the various road authorities concerned the means by which improvements may be economically effected. Because automobiles raise a large proportion of the dust that happens to be on the road than any other vehicle, they are frequently blamed for the very existence of the dust, and, consequently, have to endure much unfair criticism."—The Automobile.

A Road Plane.

Upon the highways adjoining our farm we are using a road plane that keeps the road in excellent condition for the traveling public, and is but very little laber for us, says George W. Brown, of Mount Corey, Ohio, in writing to Farm Journal. This implement is made of two solid oak planks two by eight inches and nine feet in length, set up edgewise and framed together by two by four scantling, braced in the back with short iron braces. The lower edges of the plank are beveled upon the back, and are shod by bolting on tire iron from discarded grain drill wheels. An evener and doubletrees taken from the harrow complete the outfit. We hitch our team to this plane and drag it down one side of | ish. the roadway and back the other side, grading all the dirt to the centre of the track. When rains come, the water quickly runs from the roadway and leaves it in good condition for travel.

"Saleing" Superseding "Shopping." "Saleing" or sailing is rapidly superseding shopping as a word to express visits to mark-down sales. It is London's latest "verbal tabloid," and many women who have little interest in the sales which are agitating most of the feminine community at present will go and buy what they could never want just for the pleasure of using a new phrase that is English. "Are you going saleing to-day?" asks the bargain hunter, and then sallies forth to the shop where there are bargains .- New York Press.

SOUTHERN * FARM * NOTES.

TOPICS OF INTEREST TO THE PLANTER, STOCKMAN AND TRUCK GROWER.

Various Sorts of Mules.

in size. Most people regard the mule oped muscles in his hind legs.

The principal class of mules are knov. 1 on the market as cotton the farm. They want to be able to mules, lumber mules, railroad mules. say they made so many bales or so sugar mules, farm mules, levee many bales to a certain number of mules, city mules and miner mules. acres. Men who do not make much Miners are classed as pit and surface cotton are in this way trying to keep

The commonest kind is the cotton of it. mule, and there are more of this class than any other. They range from thirteen to sixteen hands, and 400 pounds are packed. Some weigh are at their best between four to only 325 to 350. It takes about as seven years. It makes little differ- long to haul off cotton or a light bale ence how they are built, so long as as for a heavy one. It takes about as they are smooth. They bring in the long to haul the seed back to the Southern markets from \$50 to \$165 | place where they are to be kept. It The best mules are lumber mules,

ged. Their value depends upon their cotton mill men. Why not make it a ability to draw heavy loads. Beauty rule to put up bales of 500 pounds cuts no figure in prices, which range from \$100 to \$250. Occasionally an Beaty, in Smithfield Herald. extra good pair will bring \$600. Railroad mules are lumber mules that have been somewhat broken

from twelve to fifteen hands high. swarming on his alfalfa, and they

buyer. It pays big prices, but de- able a plant to lose in this way.

Mixed Feed For Hogs.

Some recent tests at this station

clearly that mixed feed is superior to corn alone for hogs. These grains were, of course, fed without skim day; those fed on commeal two parts falfa or crab-grass. But, did you a pound a head a day; those fed corn- a heavy roller right over the field? meal one part and middlings one part | Seems to me that it would literally gained .69 of a pound a head a day; crush the life out of them, and it those fed cornmeal one part and middlings two parts gained .86 of a it is not to rank and tall. It is not pound a head a day. Another lot fed likely that we will have another decornmeal one part and middlings one structive brood of this pest this fall, part gained 1.35 pounds a day, show- but if we do, use the roller .- Franking that individuality plays a part in lin Shorman, Jr., Entomologist Deother lot fed shelled corn one part pounds a head a day. While these gains are not large, they probably farm conditions, and, moreover, they show very strikingly that hogs will the turnip and collard for winter than corn alone. Corn is a carbohy- until we find out the ones we like the drate food and very fattening, and best. Now, we think German kale

above, to the ration. convinces us fully of the wisdom of it, be sure and sow some to see how making a balanced ration for grow- you like it. ing hogs .- Professor Andrew M.

Make Heavy Bales of Cotton.

One of the first questions we were asked in regard to cotton was, "How much does it take to make a bale?" The answer was 500 pounds. Even to this day, according to commercial better if every farmer would try to bale. We can remember when now and then a farmer would try to overdo things and make bales of 600 and 700 pounds, which caused some of the old weakly presses to break. Farmers are now taking the other or

treme and are making their bales too All mules are not alike. There is light. Some do this because they a greater difference between mules think of a small profit they make on than horses, although they vary less the bagging and ties of each bale. This is a wrong idea. Our aim should as an animal with abnormal ears, a be to sell lint cotton and not bagging raucous voice and abnormally devel- and ties. But most farmers who make small bales do it with the idea of increasing the number of bales to up with others who make a great deal

A look at the gin books will show that many bales weighing less than takes fully as long to carry to market a light bale as it does to market a ranging from fifteen to seventeen heavy one. Besides, light bales are hands, large, heavy boned and rug- objected to by compress men and all each as near as possible?-J. M.

These caterpillars are striped in apdown, or a little smaller mule than pearance,, a black stripe extending those used in the lumber camps, along each side of the body. When Sugar mules belong to the fancy full grown they are from an inch to class. If they are smooth, rangy, an inch and a half long. They are with small head and neck, and run not usually serious pests, but in seafrom fifteen to sixteen hands high, sons when weather and the other conthey will bring from \$150 to \$200. ditions are just right, they suddenly White and sorrel mules are never appear in great numbers, devouring used in the mines. They say when various grains, grasses, cow-peas, the mine shafts are long a white mule clover, alfalfa, sweet petatoes and resembles a ghost, and frightens the garden crops. Almost every comother mules-beyond control. All pit plaint this season mentions them as mules must be dark bay or black in attacking crab-grass. Mr. Benbow, color, heavy boned, good weight, and of Guilford County, says they are They bring from \$135 to \$200, but if have been likewise destructive to alused for any other purpose they falfa on the Edgecombe Test Farm would not bring within \$50 as much. and the Experiment Station Farm The Government is the best mule here at Raleigh. Alfalfa is too valu-

mands the very choicest animals on After the worms have become nothe market. The demand for mules ticeable, it takes them only a week is increasing every year, and farmers or so to get full grown when they of the Middle West are learning that | burrow in the earth, change to brown 2 good sized, smooth mare bred to a chrysalids or papae, and from these heavy weight, large boned, symmetri- come out plain, innocent-looking cal jack will produce a mule, year in grayish moths in another week or ten and year out, that will sell readily days. The last brood is thought to from \$150 to \$200 when three years pass the winter in the papae state unold .- Kentucky Farmer and Breeder. derground. When they thus suddenly disappear, the farmer often thinks that they have died out, when in reality they are only transforming to the adult moth which will lay eggs for (Virginia Agricultural College) show another brood.

If you have a sprayer, it is a simple matter to protect most of the garden vegetables by the use of Paris milk. The hogs fed cornmeal and green in water, but this remedy is vater gained .24 of a pound a head a not to be thought of for fields of aland middlings one part gained .67 of ever think how it would be to run won't hurt the crop either, provided

German Kale and Spinacls.

The majority of our farmers and gardeners are well acquainted with make better gains if fed some protein greens. They are both good, but food on the order of middlings, lin- even in "greens" it is well to have a seed meal, gluten meal, etc., rather variety and to try all the varieties while it will finish off mature hogs, one of the very best and certainly farmers desiring to grow animals one of the hardiest and easiest raised rapidly and have them gain and de- of all the salads. There is no trouble velop as uniformly as they should to secure a stand. The seeds are will find it highly profitable to add larger and germinate as quickly as some protein food, as suggested the turnip. Kale requires about the same culture as turnips, and while it Sometimes we think it will not pay does not make any root crop it makes us to buy an additional food because more salad and a finer variety. It we happen to have corn on hand, but | will also last longer in the spring as these results are so striking and the it does not run up to seed so early as work was done so carefully that it the turnip. If you have never tried

Spinach is considered the best of Soule, in Southern Farm Magazine, all salads. Personally we do not like it so well, but it is certainly worthy a trial by all gardeners. It is more difficult to germinate and requires the richest of soil to yield a paying crop. Both kale and spinach should have been sown by the first of September, but we suggest you try them ideas of the matter, it takes 500 on a small scale as soon as you can pounds to make a bale. It would be get them in. We raised good kale last year sown in October, though put that number of pounds in each, this is too late in severe winter. It wants to get a good growth before severe weather and then it is very hardy .- Southern Cultivator.

A biblical Sabrath day's journey mas terent three and a goth miles.

Proverbs and Phrases.

not what he ought .- From the Sapn-A pig on credit makes a good winter Frank Brouwer, accused of poisoning and a bad spring.-From the Portu-

Circumstances are beyond the control of man, but his conduct is in

his own power.-Beaumont.

Craft must have clothes, but truth -and his way will be strewn with many.

satisfaction.-Emerson. To give way to heavenly forces is to me cured of earthly faults. . Nothing is more intolerable that is necessary:-Jeremy Taylor.

Owe no man anything. It is easy to make allowance for

but wise .- Malthie D. Babcock.

News and Notes. Mrs. Jefferson Davis, widow of the

He who does what he likes, does President of the Confederacy, died in New York. The testimony in the case of Dr.

> his wife, was concluded. The annual meeting of the Ameriean Bankers' Association at St. Louis began with sessions of two sections.

oves to go naked .- From the French. turn home from England in order, it Let a man keep the law-any law is thought, to take the belm of Tam-That the grain laws are evaded and

that the Chicago Board of Trade

Richard Croker has decided to re-

makes rules in restraint of trade were charges made in the grain investigation. The New York Central and Hudson River Railroad agreed to a "state-

our own faults, but dangerous; hard ment of fact" which seems to estabalarming sacrifices and incredible to make allowance for other's faults, lish that it gave rebates on sugar, as