ce left in it on there was no sign of sorrow. "When the door closed, he sat do her eyes rested on erhaps her lips trem-

the only part of the on the edge of the table and began to one can control-but if roll a cigarette. ras so slightly that no "Let's see that card, parlner. You

om could have sworn to she sat down somewhat ien she had turned up the onds, he had reason entired, and the room was

At ones Jim, Al, and Anstruther went to the table together, but Mrs Rolt held up her hand.

"In order of precedence, gentlemen." And then with And then with a little curl about her lips: "Our guest comes first," and young Fairclough came done nonchalance and turned a card from his corner with somewhat over-

luck." he said, as he turned up

don't know yet, Mr. Fair he said sweetly. "The fore

mbe hesitated a moment, and smile spread over his face embered that if a pack of s shot over a smooth surface it impossible to guess where the ards will be, the least painted ng the least resistance, and he his card carefully.

rule was justified. The card e chose had only one pip on it, but for a moment his face clouded. Then he smiled again.

"Ace low, you said, Mrs. Rolt?" "I thought that Jim Combe square player," she said, but there was no censure in her tones. "You know the rule, Jim. Stand back. Your turn. Al." É

'Give me a little 'un, ma'am." She hesitated. It is not pleasant to send an old friend to his death, and the cards which had been cut

were all high. "You want me to cut for you, Al?" "If the Boss don't mind, makem."

Rolt nodded to her to humor the old man, but her hand shook as she turned up a five of spades. "Oh, Al, I'm so sorry."

"Then you ain't got no call to be mostly asks for what I want," and he swung gaily round on his heels to Lave the room.

"Hold on, Al!" said a quiet voice 2* his elbow, "there is one more to cut yet.' "'Tain't no use, Mr. Anstruther.

You ain't fit to go, and there ain't anything there no lower than a five." 'There are three lower, Al. If you please, Mrs. Rolt."."

Mrs. Rolt looked up into the quiet smiling face, and saw a light in it which she had never seen before. It was as if Anstruther knew what lay in store for him, and the knowledge

made him hold his head more proudly. "He is right, Al. You pledged your-

sear. ain't putting up a job on us?

No, Al. There it is," and he show-im the two of hearts. "Holy smoke! The two-spot! She couldn't have drawed a lower if she'd tried to!" "Or better Luck is for the young.

Al," and this curiously-minded young man from Piccadilly began to hum a light air to himself, the words

which were: "He ain't no good about the house

He can't cut wood."

CHAPTER XXXVI.

be able to find my way to Soda Creek ?"

Anstruther was still sitting on th table rolling his cigarette. "In the dark. It would not be right all the time you were on the road. But you don't have to. It is not likely we are going to let you suicide after that. Anstruther smiled a little super-

ciliously "That has nothing to do with the

question. Would you mind coming here for a moment?" and he went to the window.

"That is the road to Soda Creek; the way we came?" Combe nodded.

"But that is the direct way, as the crow flies?"

"Yes, only there's a bit of a can von in the way.' "I know, But after?"

"There wouldn't be any after. There's no way across the canyon until you come to the place where the road crosses it. It's four hundred feet deep with sides like the walls of

a house "If there was a bridge across it, it would shorten the distance by a mile,

wouldn't it?" "Yes, by two, I should think. But there isn't any bridge and the Indians It's what I asked for, ain't it, and I ain't going to wait whilst we build one.

"Could one be built? How wide is the canyon?" "Not more than twenty or thirty

feet at the Buck's Jump. It could be bridged there easily enough; but what's the good of talking. It aint

bridged.' "Where is the Buck's Jump. There, isn't it?"

"Yes, right against that big lone pine with the broken top."

"Very nearly in a direct line for Soda Creek?" "In a plumb straight line. That pine might have been put there for a

surveyor's post. "So I thought," said Anstruther,

What? "Kinder sortin' out his auds and gettin' good and ready for his pas-

Jim glanced quickly through the window and saw that the Indians were already loping back to their lines. Then he put his rifle up against the wall and left the room quietly.

Al noticed him and seemed about to follow him, but thought better of it, and muttering "Let 'em settle it themselves. It ain't my funeral," kept his place at the window.

Anstruthers door was wide open, but from where he stood Jim could ditions can be secured. not see into the room, neither could he hear anyone moving in it, but to prevent accidents he sat down and took off his boots, and then with them "You said, Combe, that I should not in his hand stole quietly along the weather.

passage and peeped through between the door and the jamb. Anstruther had gone, but the room could not be said to be empty, for the floor of it was covered with mountains of clothes, as Jim had never dreamed of, piled pell mell in a great heap,

They Insulted Sir Pertab Singh and

on

Though over 70 years of age, Sir Pertab was among the very first of the Indian tributary princes to offer his services to the British Government when the war broke out. nearly eighteen months he remained fighting the Huns in France and Then Oriental etiquette Flanders. compelled him to pay a flying visit to his native land in order to be present at the wedding of his nephew and ward, the young Maharajah of Jodhpur, with a daughter of the Jam Nawanagar, better known to cricket

tite for fighting still unsatisfied.

splendid troops, at the disposal of the Indian Government, in order ing the Boxer uprising there. was already a maharajah, a rajah, a hay.

was raised to the rank of major-gen- hands. eral in the British army. But when he and his men tance with his eye, and noting the before Pekin they found the German von Waldersee in supreme command. The Hun, a boor then as now, made game of the warrior prince, and the "Forgive me, Anstruther Perhaps young pups of Prussians on Walder- Grass is the natural food of all ruminyou don't think it is my business, but see's staff, sneered at his splendid

Farm

Curing Alfalfa

lfa hay must not only

ul-1 be

well.

the plan to insure the saving of

the plant o insure he saving of

large a percentage of the leaves

ernoon or not later than the follow

in the swath, the more it will

ing afternoon, for the longer it is left

color as

attractive.

possible.

sun.

lirections for cutting a hay are given by

ief of the Irrigatio

feed them and if they seem to relish it during the summer we may be sure it during the summer we good. Animals that it is doing them good. Animals after all are very much like human beings—"what's one man's meal is another man's poison"-and if the cows eat up the silage readily let them have it even if it does not astee with our ideas of balanced rations.

It Pays to Test.

In virtually and dairy district, proision of the Canadbly among the herds supplying one y. Though written factory, it is possible to find contrasts farmers, they are cations, applicable to running something like this: One herd of 14 cows gives on the averever alfalfa is grown. age 7,732 lbs. milk and 248 lbs., fat, ecure the best appearwhile a neighbor's herd of 14 cows on the highest pos averages only 4,037 lbs., milk and 155 d a product that will lbs. fat. Indeed, in looking over th nand the highest market records in eleven districts the average be difference between the high herd a proper stage of growth. erages and the low ones amounted oured in such a way as 4,639 lbs., milk and 140 lbs., fat retain, not only its leaves, but as This is certainly an axeraordin cow. much as possible of its bright green difference, and indicates that ary In order to obtain will pay to calculate what cows can this class of product, but also its do.

bright green color, which makes it so Take it another way; In 1914, sixty The leaves of alalfa hay contain patrons of two creameries began this cow calculation, cow testing. more feeding value pound for pound It was found in 1915 that their herds had than the stems of the plant, so that made a gain over their 1913 record of 71 pounds of fat per cow, a gain of as But on the other eight per cent. as hand the 1913 patrons of the same The proper curing of alftwo creameries who did not go in for alfa, however, is not a different pro-blem, provided favorite weather concold calculations fell off 87 pounds of fat per cow, seventeen per cent. If the men not cow testing had made and fast rule can be laid down that will fit all conditions equally well for the methods of handling in each case gains with their cows in the two years as those made who were testing, it would have meant an increase in the will always depend largely upon the output of 58,362 pounds of butter! It pays to test. Record forms are Normally, alfalfa should be cut in furnished free of charge on applicathe forenoon after the dew is off and tion to the Dairy Division, Ottawa .raked up into windrows while still quite green, either late the same aft-C. F. W.

FACTS OF SCIENCE.

come bleached and discolored from the coal at a rate of about 2,000,000 tons If the weather is dry there is year. little danger of placing it in the wind-The production and distribution of

It should be left rows too green. electricity in Edinburgh has been in the windrows from one to two days, or until half dry, and then placed in made a municipal monopoly. Spain has been practicing irrigasmall or medium-sized cocks or piles, where it is to be left until it is suffici-

No

canal having been begun in 1814. ently cured to permit of storing. Russia maintains at Moscow an ex-The main principle to be observed in eriment station for the study of flax the curing of alfalfa should be to dry cultivation and manufacture. it out sufficiently for storing with as A factory in France drives turbines with water from a reservoir on ments as possible. If his principle is mountain 600 feet above it. borne in mind, and the plan outlined A dredge built in Holland for carried out, it is possible to dry it out government of Uruguay crossed sufficiently for stacking and still re-Altantic Ocean under its own steam. tain its bright green color-always For peeling oranges there has been provided the weather is good. Rain invented a curved piece of bone with a during harvest its feeding value, it is nick at one end to cut the skin.

being more widely grown each year A Brazilian city uses a trolley but is harvested and cured with diffiambulance to transport patients culty. Some growers in these disand from hospitals in its suburbs tricts place the piles of hay on small The government of South Africa has "stools" with slatted bottoms, the stools being constructed of 1x1 ich erected a large sugar mill to courage the cultivation of cane lumber, and elevated on short legs Zululand. about six inches from the ground

Rubber-covered canvas disks that after which each pile or cock is covprevent slipping are attached to the ered with a vanvas cover until the hay soles of new shoes for very young is thoroughly cured and ready for the children. stack, but this method is expensive A wire clip, to be screwed into from the standpoint of both equipdoor frame, has been invented for holding milk bottles out of the reach

ment and labor. The covers used his cost about 60 cents each. Whatever the condition of the weather or the proceed to China and assist in quell- method of curing, it should be borne This in mind that water on the hay offer was gratefully accepted, and in either dew or rain is more liable to recognition thereof Sir Pertab, who cause trouble than moisture in the Hay is ready to stack when no rajput of the rajputs, and head of moisture can be twisted out of a the fmous warrior barons of Oudh, bunch or wisp by twisting in the

handmade ones as to defy experts. The Argentine government has a campaign against locusts, chiefly by propagating parasites of the insects. Driven by a kerosene motor, motorcycle has been invented that carries four persons seated ahead of one another and is controlled by the man on the back seat.

The world's largest stone statute a

figur of a patron saint that will be

240 feet long, is being carved from a

A power loom has been invented

that is said to weave oriental rugs

that so closely imitate the genuine

rock on an island in Japan.

of cats and dogs.

PHARAOH'S PALACE.

Discovery in Egypt May be of Home of the Oppressor.

The Museum of the University of Pennsylvania has made public a report from Dr. Clarence S. Fisher, leader of the Eckley B. Coxe, Jr., expedition to Egypt, in which he tells of what appears to be the discovery that Meremptah had in his palace at Memphis an archeological museum something like those of the present day. Meremptah was the son of Rameses the Great, and by many is identified as the Pharaoh of the Oppression as described in the Book Exodus.

The palace was discovered early in Holland's mines are now producing the present year, the report said. It oal at a rate of about 2,000,000 tons was large and elaborately decorated, but at some time was destroyed by fire, traces of which are abundant. The palace was about 180 long and 100 feet wide and contained about 20 rooms. The throne room was a tion for more than a century, its first magnificent chamber of about 60x40 feet

In describing this room the museum announcement stated that "it is probable that this throne room, if not the same, is similar to the one in which Moses and Aaron confronted the Pharaoh, demanding that the people of Israel be permitted to go. The authorities in Egypt admitted that a the the great discovery had been made

In the rooms were found gold ornaments, scarabs, vessels, and vases. The most interesting find, the report stated, was a collection of relics, partly of the Stone Age and partly of the Sixth Dynasty (about 4500 B.C.), which into dicated that Meremptah was a collector much like modern men or nations. en-The stone implements included knives, razors, sickles and arrow heads.

Can Cats Hear?

The acuteness of the average cat's sense of hearing is proverbial, but it is a proverb that needs qualifying. For example, many white cats are absolutely deaf, and though the idea, may appear absurb at first sight, it is believed by some students that the color of a cat is associated with its sense of hearing. Among several Persians, or longimported -haired cats, from abroad, not one white one in the number has been able to hear the slightest sound.

Lurid Lighting.

"Gay dogs the Ror

whilst, as he said afterwards, there were 'boots enough for a battalion and coats like blankets at a potlatch.' (To be continued.)

HE HATES THE GERMANS.

His Cavalry. Sir Pertab Singh is back

western front with his famous Jodhpur Lancers, dubbed by Lord Roberts little exposure to the sun and elethe "finest cavalry in Asia."

enthusiasts as Ranjitsinhji. And now he has returned once more to the scene of hostilities, his appe-

There is a reason for this. Sixteen years ago Sir Pertab plac

ed his services, and those of

card, Frank."

As she spoke Kitty Clifford moved from her friend's side uncertainty towards Anstruther, and then stood hesitating, her lips trembling and her sweet eyes full of unshed tears.

"What is it, Kitty? Do you want to cut for him ?!

She tried to answer, but no sound came from her parted lips.

"Shall she cut for you, Frank?" "Will you, Miss Clifford-Kitty?" and he held out his hand to her. For a moment the boy and girl stool

there hand in hand before that altar of chance, forgetful of the world and reckless of the betrayal of their secret.

It was a strange betrothal, but such it seemed to all who saw them. In a silence which could be felt, the girl's white hand began to move uncertainly over the pack, touching a card here and anther there, as if afraid to

The others had drawn their lots at once. To them it seemed that min-ntes elapsed whilst that little hand wanderer over the table, and each man prayed in his own fashion that she might croose aright. At last, like a child who fears to

see the knife, she shut her eyes, and clutching a card, held it up to Anstruther, over whose face a proud smile spread as bright and genuine as daylight.

"Thank you, dear. You have saved You don't mind if I spoil my honor. your pack, Mrs. Rolt. I shall want this card by and by more than you will," and kissing it, he put it into his breast pocket.

But Kitty caught at his hand and cried to him to show it to her.

"Another time, dear. It is the best card in the world for me." 'What was it, Frank? Show it to

me, oh, show it to me!"

down, he kissed her white brow be- tween their shoulders.

land marks.

Combe watched him, and at last, with an obvious effort, he said:

to feel, but you know you can't go now. Miss Clifford."

"Leave Miss Clifford's name out of the question, please. I'm very much obliged to you for what you suggest, but there are some things you don't understand. I'm going, and there's an end of it."

"When ?"

"When I am ready," Anstruther anwered, and left the room

"Pretty rough on them killdies, ain't it, Jim?" said Al, when Anstruther had left the room, "and she's dead stuck on him. But I guess he's right." "Right?" snorted Combe. "Right?

Just to think of himself? No I don't think he's right, and I'll take blanked good care as he doesn't do it."

Whatever Al was going to say was lost, for at that moment the call sounded from the upper story. The rifles were wanted at the windows. With a rush the two men went to their places, and for the next twenty minutes they have their whole atten occupied by what they saw from

oud of dust was coming towards them at railroad speed, and at first they nd his specials had broken the ed as luckily they're safety pins." ley and were coming to their re-

lief. But the riders who emerged from the cloud were Chilcotens, reck-

whooping devils, painted as none of the white men hall ever before seen "Not now, Kitty," and bending ing from their heads to half way be-

I've got to speak. I know just how cavalry, calling them "coolies" you feel, and it's the way a man ought "niggers." and Try and imagine the effect of in-It wouldn't be a square deal to Clifford." solence such as this on a member of one of the oldest and proudest races on earth, accustomed to be treated

on equal terms by English gentle men. Sir Pertab vowed some day to be avenged. So did his troopers, individually and collectively.

Years ago Sir Pertab swore not to die in his bed. He has been fighting for Britain all his life, as his father, the old Maharajah Takht Singh, did before him.

One of the earliest recollections of the young Sir Pertab, then a boy of with Havelock to give battle to the rebel sepoys during the great Mutiny. Later on he rode with the British up through the Khyber Pass, and in-

to Kabul. He also fought under Gen. and in Tirah under Gen. Lockhart, where he was wounded. Lord Roberts was for over forty

years a close personal friend of his.

Not So Bad as Feared.

"Pleased, mum, nurse says would you come at once as baby's been an' swallowed near a 'ole packet of pins fattered themselves that Horse- an' she says don't be hunduly alarm-

Her Idea.

of the white men hall ever before seen Mrs. Godart to her caller. "You are fed grain and meal to increase Indians painted in British Columbia know we frequently read of the soltheir greasy locks powdered with diers making sorties. Now, why not safest plan, however, is not to try to swansdown, and eagle's blumes droop- make up a lot of those sorties and answer the question at all, but to let send them to the poor fellows at the the cows answer the question. Silage front?"

Feeding Silage.

There are almost as many different ways of feeding cattle successfully as there are men who feed them. ant animals and in the state of nature cattle can get all the nourishment from it they require.

With nomesticated animals, where in the case of the beef animal early maturity is sought, or where in the case of the dairy cow a large quantity engines. of milk is desired, extra feed has to

be supplied. In the winter the succulent part of the ration-what corresponds to the grass during the sum mer feeding-is provided in the shape

of roots or silage. The other part of the ration consists of hay and meal.

When the animals are turned out to pasture in the summer it would seem reasonable that the supply of succu thirteen, was seeing his sire set out lent feed that was supplied during the winter would no longer be required. Many dairymen find that this is so. They find that if they do offer the animals silage they will not eat is readily. Evidently the cattle get all Ellis in the Mohmand Expedition, the succulent feed they require from the pasture. Other dairymen, however find that their cows eat up the silage almost as readily during the summer when the pastures are at their best

as during the winter months. The question naturally arises: if some dairymen can do without summer silage and claim their cows give just as much milk without it, would not the dairymen that do feed it get just as Examine them frequently and on the On the face of it, it would seem that cattle should not require any more succulent feed than they would "My dear, I've an idea," said old get on a good rich pasture if they

is about the cheapest food we can

To lessen the smoke and gas in tunnels Swiss railroads are equipping their locomotive stacks with lids to be closed when a tunnel is entered, steam being exhausted beneath the

THE STRENGTH OF A FLOWER

Sunflower Forced Its Way Through **Asphalt Pavement**

rock split asunder by a growing tree that has found lodgment in what was at first only a small crack is a familiar sight to most people. The force that a tree exerts in accomplishing this feat is tremendous, but relatively it is not equal to that ex-erted by the flower that Mr. John Burroughs describes in a recent book, "The Breath of Life."

One of the most remarkable exhibitions of plant force I ever saw was in a Western city, where I observed a wild sunflower forcing its way up through the asphalt pavement; folded and compressed leaves of the plant, like a man's fist, had pushed against the hard but flexible conceret until it bulged up and split, and let the irrepressible plant through. The force exerted must have been many pounds. I think it doubtful if the strongest man could have pushed his fist through such a resisting medium Life activities are a kind of explosion, and the slow continued explosions of this growing plant rent the pavements as surely as powder would have done. It is doubtful if any cultivated plant could have overcome such odds. It required the force of the untamed hairy plant of the plains to accomplish the feat

been in the olden days.' "You're right! Think of going to bed by the light of the Roman candle!"

