THE FOREST REPUBLICAN FOREST REPUBLICAN. Is published avery Wednesday, by J. E. WENK. Office in Smearbaugh & Co.'s Building ELM STREET, TIONESTA, PA. Terms, - - - \$1.50 per Year. ons received for a shorter period VOL. XXV. NO. 21. TIONESTA, PA., WEDNESDAY, SEPT. 14, 1892. be paid in advance. intrapondence solicited from all parts of the \$1.50 PER ANNUM. Canada has about doubled its railway through eatin', an' are stampin' out the his rifle-trigger. But he waited, and the WE BUILD THE LADDER. SCIENTIFIC AND INDUSTRIAL. "THE PETRIFIED FOREST." mileage in ten years. embers. Sh- don't speak. I'll work | savage sleeper made no further sign. At last the work was done. The ten minutes had seemed a year. The lad stag-Heaven is not reached at a single bound, Cooking by electricity is increasing. the old scow deep into the cypress. But we build the ladder by which we rise We'll see what tricks they're up to, see-The drone bee's eyes each contains THE WONDERS OF CHALCEDONY One child in every five in the north-From the lowly earth to the vaulted skies, in' we're hyar and can't get away very

But the manuders were far be-

homespun shirt. The dugout towed the

canoes up stream, while the young officer

sat in the stern and guarded the captives

So the daredevil returned to camp the

same afternoon, and instead of a rowing

he was covered with praise and honor by

This boy afterward became a dis-

inguished General -- Major General

William W. Loring-who led armies in

the far distant East as a Pasha in the

service of the Egyptian Khedive, as well

as in this country. But in his long ca-reer he never did anything more daring

and heroic than the feat planned and

Uses of the Umbrella.

"An umbrella is one of the most use

ful articles that a man can carry with

him," said Lamar J. Saunders from Jack-

son, Miss. "One can be used a dozen

different ways. When the sun is shin-

ing hot, or when it is raining, a man

without an umbrelia must either remain

indoors or suffer. As a weapon of defence

there is nothing better. You can keep

a man at his distance with one better

than you could with a stick. You re-

member what a conspicuous part the um-

brellas played in the tragedy at Home-

stead the other day in the hands of the

"I remember one time I was in a hotel

executed by the boy of fifteen, the sub

. . .

General Jessup and his little army.

with loaded pistols.

. .

St. Louis Republic.

ern half of the United States dies before it has lived a year. The number of fires in London has in-

creased fifty per cent, since 1882; twenty-five per cent. of the fires occur in uninsured premises.

The Farmers' Review says that the United States produce 300,000,000 pounds of wool per annum and use twice that amount.

The New York World cites as an instance of the vastuess of the insurance business that the premiums paid in Louisville, Ky., alone this year amounted to \$1,000,000.

The aim of the University Settlement Society of New York is to aid the citizens of a neighborhood, "without infringing on their self respect," and no. patronizing airs are assumed.

Twenty million dollars is the timated worth of flax products imported into this country last year, and our farmers are said, records the New York World, to have destroyed 1,070,000 tons of flaxstraw.

A joint committee of the two houses of the English Parliament has reported electricity a suitable and efficient source of motive power, and reccomended that electric railway construction be encouraged throughout England.

What is now North Berwick, Me., was known as anothy's Falls thirty years ago. A postar clerk says that occasionally letters are even now addressed to Doughty's Falls, and that he has had one such in his hands within the last month.

The Chicago Herald is astonished that although the United States is a country possessing immense timber tracts, it apyears that it imported wood and wood roducts to the value of \$21,772,185 in e year ending June 30, 1891, and in same time exported similar articles the value of \$44,811,004.

woman voted at the recent Parliamentary election at Birmingham, England. Some question arose as to the lidity of the vote, but the mayor and town clerk agreed with the Liberal agent that as the lady's name had somehow got upon the register the returning officer had no option but to receive her ballot.

And we mount to the summit round by easy. But by Jimmy, my skelp kinder

round, count this thing to be grandly true, That a noble deed is a step toward God, Lifting the soul from the common sod To a purer air and a broader view. We rise by the things that are under feet,

By what we have mastered of greed and

By the pride disposed and the passion ninin And the vanquished ills that we hourly meet.

We hope, we aspire, we resolve, we trust, When the morning calls us to life and light; But our hearts grow weary, and ere the

night Our lives are trailing the sordid dust.

We hope, we aspire, we resolve, we pray, And we think that we mount the air wings, Beyond the recall of sensual things,

While our feet still cling to the heavy clay Wings for the angels, but feet for the men!

We may borrow the wings to find the way; We may hope and aspire and resolve and pray,

But our feet must rise or we fall again. Only in dreams is a ladder thrown

From the weary earth to the sapphire walls;

But the dream departs and the vision falls, And the sleeper wakes on his pillow of stone.

Heaven is not reached a single bound, But we build the ladder by which we rise From the lowly earth to the vaulted

skies, And we mount to the summit, round by round.

THREE AGAINST TEN.

AN EPISODE OF THE SEMINOLE WAR.



as an officer sat in the storn. Five minutes before the crotodiles and cranes, water turkeys, bitterns and herons had had the black, oozy river all to themselves as it sluggishly made its way through the swampy palmettos and cypress.

The boat bumped along slowly, striking against cypress trees and fallen tree trunks. The paddlers looked anxious dimly seen stretched on the earth. for the chance of finding a comfortable Silently the little party detached the

camp eight miles away without orders aken two of his company with him

gered to the boat, staggering as if with an ague. "I must speak," he panted crawls as if 'twould not be thar to mor-"or I shall yell. I thought twice I'd

row mornin'." have to whoop or go into a faint. But, Scraggs, I pulled through, didn't Il Young Loring nodded, and the paddiers cautiously forced the boat fifty feet | Help me in. through the mouth of a black arch into "Wall! You've got the guns, shore," said Scraggs, "and drat my skin of the biggest bully in Jessup's camp would a the heart of the swamp. Hidden here

they were nearer the savages than before, lone it." and could hear their movements. No time had been lost while Scragge It soon became clear that the party of

Seminoles had no purpose of leaving their camp that night, and no suspicion of white men close at hand. One by one was relieving his mind; the dugout was skimming out into the stream with lively paddle strokes. The plan was boldly they dropped asleep, and their slumber executed in the morning. With the chorus, which sounded not unlike the coming of light the Seminoles discovered the robbery of their weapons and rushed to the edge of the swamp with grunting of the alligators in the swamp, vas music to the prisoners squatted in frantic yells, brandishing their tomatheir gloomy covert.

Three hours had passed, and the growhawks. youd the throw of axe or knife, and sat ing light that silvered the lagoon outside of their retreat proved the moon well up over the tops of the trees. "Now is our with levelled rifles. Then came a shrill voice, demanding time," whispered Scraggs, "to get outer in Spanish the instant surrender of the this hole and paddle up stream for a sate little Seminole band, for at that time little Seminole band, for at that time

landing place and vamouse back to nearly everyone in Florida knew something of this language. After consider-able parley the red men agreed to throw camp. Lieutenant Loring answered not a their knives and tomahawks into the

word. His boyish mind was deep in thought-a daring thought which thrilled him with excitement.

If he returned to camp as he left it there was sure to be sharp reprimand, perhaps a court martial for absence without leave. The excuse that he was an irresponsible lad would alone save him,

and at that fancy his heart had waxed hot with shame. But to go back as conqueror and hero-ah! that was worth risking his scalp for. "Are ye asleep?" whispered Scraggs

again. "No," was the reply; "I am going to take these redskins back to camp with

me. So, Scraggs, you two can just tie your hair on, for it will soon be in -J. G. Holland. peril.'

The men jumped as if they heard the whizz of Seminole lead. "You see it would be a shame to sneak back empty handed. We can't stantial facts of which were told me by

exactly take their scalps, but we can take the General himself .-- G. F. Ferris, in themselves as a present to the General," ROUND a bend

and the Ock-lawaha, just at are fast asleep. We'll paddle up and take their canoes. Then I'll land on the there nummeck, you know, and pick up their appeared a dugrifles. Then in the morning we can orout paddled by der them to surrender on peril of being two stalwart fellows in a sort shot down, for we shall have loaded

of homespun guns, and they'll have none." The two Crackers groaned over this uniform, while piece of youthful strategy, but Scraggs a boy dressed responded

"All right, Lieutenant, I s'pose we've got to die some time." The dugout left its covert and glided silent as a shadow into the open stream. A few strokes brought them in full sight of the Indian camp. The island infuriated women? Next to a shotgun

where the savages lay was well-shadow- or a pistol there is no more dangerous ed by the trees, but their forms could be weapon. Silently the little party detached the that caught afire in the morning. The

camping ground was growing slighter two cances and towed them to a secure guests were awakened by the stifling before young Will Loring began to be sick of his escapade. He had left the cypress tree fifty yards from shore. Second floor and by the time I had slip-As the boat approached the shore on ped on my trousers the fire had gained

1300 mirrors. The common caterpillar has 4000 mus-

cles in his body. Artesian borings have recently proved o be very successful in the Saharan

Desett. A steam launch has just been built which makes a mile in two minutes and me second.

A London firm finds a windmill the most economical means of securing the motive power necessary to run a dy-

It has been computed by competent authorities that in a single cubic foot of ether there are locked up 10,000 feet of energy.

It is calculated that in London nearly 100,000 tons of sulphur are produced annually by coal consumption and thrown into the air. Recent experiments in France on the

velocity of propagation of electric waves give a mean velocity which is almost exactly that of light. The best way to clean wells and cis-

terns of foul air is to throw down a peck marsh. They were taken aboard in pairs of unslacked lime. The heat so caused and their right wrists tightly fastened carries out the foul air with a rush. together with stout strips of Scragg's Experiments made by a Hungarian

physician on animals seem to show that permanganate of potash acts as an effiment antidote in acute phosphorus polsoning.

According to Dr. Haasen, the red in flowers is a single pigment soluble in water and decolorized by alcohol, but capable of being restored by the addition of ueids.

The dynamo is replacing the battery to such an extent in telegraphy that its use will, it is thought, be universal in a few years. It is both cheaper and more efficient.

Investigations of rain drops lead to the conclusion that some of the large drops must be more or less hollow, as they fail when striking to wet the whole surface enclosed within the drop.

Many of the small lakes of the alkali and saline regions of California, Nevada and other parts of the world are saturated and deposit their salts when any of the water is removed by evaporation or when salts are added from the inflow.

A watch for the blind is among the newest inventions. A small peg is set in the middle of each figure. When the hour hand reaches a given hour the peg for that hour drops. The sightless own-er, when he wants to know the time, finds which peg is down and then counts back to twelve.

A new alloy for use in the manufacture of wire sheets and castings has been introduced by a New England firm. The wire made of this material resembles ordinary copper wire on the outside, has a pinkish white tinge at the surface of fracture, and is very strong without losing much ductility.

There is still a chance for invention in electric railway controlling switches, The awkwardness of regulating a car's speed by a brake which turns one way

FARK IN ARIZONA.

Thousands of Mighty Trees Turned to Solid Stone-Myrlads of Precious Gems-An Enchanted Spot.

C. HOVEY describes in the Scientific American a trip to Chalcedony Park in Arzona. He save: From the very start the road was lined by specimens of agatized wood. Now and then a petriled log, or solitary stump, were harbingers of what was to be seen further on. The term "park" is a misnomer; for there is no natural park here, nor has the hand of man done anything but to shatter the marvelous relies of dateless intiquity. The people of the visinity always speak of it as "the Petrified Forest." But that again is incleading ; for there is no forest, whatever there may have been fifty centuries ago. It cortainly seems as if the place ought to h made a National park, and should be both better protected and more easy of nce As it is, the enchanted spot lies at a ... accey of vandals, the only precaution against spoliation being a milroad rule against shipping specimens

from it in bulk. How shall the Chalcedony Park be described? At first one gets the impression that it is a small affair, of perhaps fifty acres. Then he says that it must be a hundred. And after riding over its amazing ruins for many hours in succession, he concludes that the area includes a thousand acres; and finally he hardly questions the bold estimate of Mr. C. F. Lummus that the extensive forest now hardened into stone formerly covered "hundreds of square miles;" and accepts without dissent the assertion of Mr. G. F. Kunz, that there may here be seen at a glance a million tons of precious stones. A matter-of-fact visitor might say that the scene reminded him of a vast logging camp, where the lumbermen had tossed the huge logs from their sieds at random, and then had gone away, leaving them to become rain-soaked and moss-grown. The trees when standing were fully two hundred feet high; for even now their prostrate trunks measure, when unbroken, from one hundred to one hundred and fifty feet. The peculiarity already hinted at is that these mighty trunks are as regularly severed into sections as if the work had been done by a cross-cut saw. The lengths vary from disks like cart wheels to logs twenty or thirty feet long, or longer. Twigs are found an inch through, and trunks ten feet thick. They lie at every angle; parallel to each other, and at right angles; singly and in great groups; down in gulleys and perched like cannon on hill tops.

And all these myriads of trunks, stumps, logs, branches and tiny twigs are solid stone. And on inspection they prove to be precious gems of almost every known variety. Those that remain init.-Louisville Courier-Journal. tact have been weathered to a dark red, rich brown, or sober black. But Time's relentless ax, aided by the geologist's hammer, has made havoe with so many

RATES OF ADVERTISING

ne square, one men, one insertion	1.00
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Logal advertisements ten cents per	
ach insertion.	
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THE EARLY OWL

An Owl once lived in a hollow tree, And he was as wise as wise could be The branch of Learning he didn't know Could scarce on the tree of knowledge grow.

He knew the tree from branch to root, And an Owl like that can afford to hoot,

And he hoote 1-until, alas! one day He chanced to hear, in a casual way, An insign ant little bird Make use on term he had never heard, He was flying to bed in the dawning light When he heard her singing with all her might.

"Hurray! hurray for the early worm?" "Dear mel" said the Owl, "what a singular term!

would look it up if it woren't so late; I must rise at dusk to investigate. Early to bed and early to rise Makes an Owl healthy and stealthy and wisel

So he slept like an honest Owl all day, And ross in early twilight gray, And went to work in the dusky light look for the early worm all night.

He searched the country for miles around, But the early second was not to be found. So he went to hed in the dawning light, And looked for the "worm" again next

night. And again and again, and again and again, He sought and he sought, but all in vain, Till he must have looked for a year and a day

For the early worm, in the twilight gray.

Atlast in despair he gave up the search, And was heard to remark, as he sat on his perch

By the side of his nest in the hollow tree. 'The thing is as plain as night to me-Nothing can shake my conviction firm, There's no such thing as the early worm -Oliver Herford, in St. Nicholas.

HUMOR OF THE DAY.

Brightest idea of the century-The electric light,-Dallas News.

The man with a pocketful of rocks can afford to throw stones .- Boston Transcript.

The shoemaker is a man who frequently gets "beaten out of his boots."

In baseball it does not follow that the neaviest nine will gravitate to the bottom.-Boston Transcript.

It's only in the order of events that when his best girl shakes a fellow he's rattled .- Philadelphia Times.

His Chance: Edith-"How cheap I feel!" Young Scapely-"Edith, will you be mine?"-Kate Field's Washing-

Counting the chickens before they are hatched is the highest way of showing confidence in the reliability of the hen. -Baltimore American. A man always knows what he would

have done in another fellow's place, but

the other fellow doesn't always believe

"Give me the treasury, please," he crisid, To a maid with a dark brown curl; "Til do it with pleasure, sir, she replied, For she was a telephone girl. —Washington Star.

Says the Galveston News: "The people of the United States are thoroughly organized in one way or another. It would not take a week to convert these standing armies into very active and effective armies ready for battle. The organization begins with political parties and runs all the way down to amateur baseball clubs."

It costs \$105 per ton to transport dry goods from New York to San Francisco by rail, the time being from twenty-two to twenty-six days. The same goods, if brought via Panama, part rail and part steamer, pay \$54 per ton, the time being about forty-five days. By clipper ship round the Horn the same goods can be laid down of a cost of \$20 per ton, the time being about eighty-five days.

The Secretary of the Treasury has requested the Secretary of State to iastruct the United States consular officers everywhere to refuse to certify invoices of goods on and after September 1st unless the merchandise is invoiced after the metric system. This action is taken on information received from the consuls at Paris and Lyons, who say that the "aune" (tem of measurement now in use in France on involces of goods intended for the United States, facilitates frauds on the Custom House, and that the metric system would greatly simplfy commercial transactions and facilitate a comparison of invoices and prices.

A man up from Venezuela, where they have been cutting one another's throats in a revolutionary matince, says of that unhappy country's warriors: "Falstaff's ragged regiment wasn't in it with the soldiers down there. They are the hungriest looking creatures you ever saw. I've given penales to them on the street. They wear linen breeches and an undershirt, and when they come into town they wrap their blankets around them to cover their nakedness. They carry old flint-lock muskets. There are a few Remingtons and Winchesters, but mighty few. They have machetes, A machete is a sort of big butcherknife without a point. It is about three inches wide and thirty inches long, and pretty heavy. They cut wood and kill snakes and enemies with machetes. Some of them have shoes, but the most of them wear a leather sole with a strap across the heel and toe. The bare heels and toes stick out."

to do Indian scouting on his own account.

devils, dead shore."

Little more than a year before he had been a schoolboy, playing soldier in the streets of St. Augustine with other youngsters. When the Seminole War as their boy leader crept in among those of 1835 broke out, sweeping with a wave sleeping figures of bronze. of fire and massacre across the State, he ran away from home and joined a company of volunteers. His daring and coolness at the battles of the With-

with minute thorns, cut into his flesh, laccochee and Alaqua, in connection with the social importance of his family, but he scarcely felt them. The sleeping redskins lay partly in the moonlight and had given him his epaulets at an age when other boys of the same years were partly in the shade of the trees which | Louis Republic. still in terror of the schoolmaster's birch. rose in the centre of the hummock, each "Wall, Lieutenant," drawled one of one with his rifle by his side, the fierce

the men as he peered wearily into the copper face chiseled as if in metal. depths of the dark cypress arches, "we're Had the Indians disposed of their guns in a 'orrid fix, I reckon. If we keep on as the whites do, by stacking or resting them against a tree, the task of securing we'll run plum into a nest of then Injin them would have been less risky. Bu they had kept their arms within reach,

out. No word was exchanged. Again

Another of the

Both the soldiers were Crackers, bred in the woods and swamps, good shots and some even had their tomshawks loosened from the belts as if for instant and skillful hunters, though thin, slouchuse. The Indian rarely sets a guard at ing figures were not ornaments to a night, unless in the immediate presence dress parade.

of an enemy. Here in the depth of a "Keep on paddling," said young Loring in low tones, but with an air of stern. great cypress swamp, impassable to troops, a surprise would seem impos-sible. Yet even now the cunning and ness, which did not set well on his smooth face and mischievous black eyes, suspicion of the race had not forsaken "and await my orders." Then feeling that he had asserted his authority, he continued with a burst of boyish confi-The nerves of the young officer were dence, "I tell you what it is, Scraggs, strung to the highest tension. One by one he stealthily lifted the rifles from the we'll have to get back to that hammock, about a mile up the river, where we can earth till he had what he could carry.

find pine knots to cook supper; don't These he bore to the low bank and you think so?" passed to the men on guard in the dug-"Bless you, Lieutenant, d'ye hanker to lose yer skelp? No supper to-night he returned to the dangerous sleepers, a dred of red varmints in two miles on age tossing in his dreams gave a fierce

grunt and threw out a hand, which "You're not afraid, Scragge, are you?" touched the young thief's ankle as if to said the youngster with a lordly air; "a clutch it, The moment thrilled him with fellow who can bore a potato tossed in all the agony of discovery, but he stood the air at a hundred yards with a rifle stock still waiting for something further. ball, ought to have pleaty of spunk." It was a false alarm, but cold sweat "A leetle more skeery than I war forty poured from his face. year ago," answered the Cracker, with a savages had his hand on the stock of his twinkle in his eye. "Howsomever, as gun, and the piece had to be gently slid men of my inches do, I reckon I've got from under his fingers. as much cl'ar grit as most on 'em."

This talk had gone on in half whispers. to complete his work. The moon was The darkness was increasing every min- now high up in the sky, and poured a ute. The boyish officer in spite of his flood of light on the little island. The airs was evidently uneasy, for his eyes recumbent Indians were cut out like burn. shot continual glances ahead and on both monstrous silhouettes against the ground. sides into the swamp, as the dugout The boy's swimming head warned him glided at a snail's pace. They were that his strength couldn't last much longer. But he resolutely went at his when through the tangle of leaf and vine | task, though his throat felt as if squeezed there was a red gleam like a buge firefly. by an iron grip. He had gathered the last armful, when one of the red men in Without waiting orders Scraggs whirled the boat back with a powerful paddle, his dreams raised himself on his haunches and turned to his officer with eyes al- and sat with chin resting on his knees. most starting from their sockets, shaking The moonshine flickered on his face

his head in warning. "Injuns, Injuns, Lieutenant Will, a "he whispered. "I seed lowing his white enemy. The wight dozen on 'em,' the hind and of two canoes jiss roun' the Scraggs, too, observed this mov bend. Thar must be a hummock whar and his tanned checks turned wh they're camped. They're jiss got chalk, as his finger was about to p

its second more dangerous mission, such headway that all avenues of escape young Loring alipped off his boots and were closed. But there was my umstepped into the ooze, regardless of brella and a window and the rest was moccasins and rattlers. Scraggs and casy.

his comrade covering the advance with "Another time I was walking through leveled guns, felt their stout hearts quake a pasture when a bull with his eyes ablaze with fire made for me. I kept my senses, and when he got within about

A stumble or the snapping of a twig fifty yards of me I ran towards him, might make the difference of life and opening and closing the umbrella as fast death. The lad moved as if he were a as I could. The bull wheeled around cat. The coarse hummock grass, armed and ran from me faster than he ever ran before in his life.

"And for frightning dogs I had rather have an umbrella than an arsenal."-St.

Reversible Snakes in India.

A snake not often heard of, at least in America, is the liver-co lored snake with two heads, or perhaps they should be called mouths, though it does not have two mouths at the same time. They are reversible mouths, occupying the opposite end every six months. It lies with the two ends crossed in each other, as with folded hands. Every six months the change of the seasons reverses the functions of the two ends, the head becoming the tail and the tail becoming the head. The mouth at one end heals or closes up all but a small opening, while the opposite end becomes the mouth for the next six months.

A friend of mine in India who told me about this remarkable snake said he refused for a long time to believe that the functions of the two ends were reversed every six mouths, but one day he found one of these snakes in the jungle and carried it home, where he had a physician examine it. The result was but a drink of swamp water, and a chew distance of about a hundred feet from the physician confirmed the stories of of raw bacon. I'll bet there's a hun- shore, for a second load. A binway say, the creature and my friend was shorely no longer. I learned no other name for this singular repule than that of "the liver-colored snake."-Hartford (Conu.)

> Cooking With Ice for Fuel. The generally accepted theory of the

cooking of most relates to the application of heat; but Dr. Sawiczevosky has called attention to the fact that almost precisely the same chemical and physical changes Again, the third time, he went back can be accomplished by the exposure of animal flesh to extreme cold. Indeed, the

sensation experienced by touching freezing mercury is very much that of a severe heads.

Then the experimenter referred to applied his method to the preservation of meats, first by subjecting them to a tem perature of thirty-three below zero, Fabrenheit, and then sealing them up hermetically in tin vessels. Animals and substances which had been so treated and for some time kept in these boxes, on examination proved to be extremely palatable, and, being partially cooked, rethrough the quivering foliage, and his sunken eyes appeared half open and folquired very little heat to prepare them for the table. ful

An establishment in Hungary is now engaged in the preparation of meat by this method on an extensive scale .- New Y rk World,

and a rheastat crank which turns the other is evident. Sooner or later a lever arm or some similar device will replace some of the confusing number of crank motions with which manufacturers at present equip their cars.

The color of the water of the Mediterranean Sea varies considerably. During storms it is deep green and sometimes brown, and when calm of a deep blue. In the Bosphorus and among the archipelago it is of varying tints, in some places being of a liquid blue graduating into a brighter green, and in others assuming a blue so deep as to almost approach a purple.

Rubber Tires For Carriages.

The success of rubber tires on bicycles has frequently led to attempts to increase the comfort of buggy and carriage riding by fixing tires on to wheels, but in the majority of instances the attempt was not a success, as the tire either came off or wore out in a very short space of time. Since, however, pneumatic tires have displaced the solid ones on bicycles, the attempt is being renewed, and buggies and other vehicles are likely to be seen on the boulevards in large numbers before long as noiseless and free from vibration as bleycles. Carriage builders believe there is an immense amount of money to be made out of vehicles with rubber tires on the wheels, and they are likely to keep on experimenting until they finally succeed in producing the desired article. -St. Louis Globe Democrat.

Bees and Clover Heads.

Each closer head is a compound agregition of flower spikes or tubes, the shole number averaging about sixty-five. Each of these contain sugar not to exceed the five-hundredth part of a grain. Therefore the probosis of a honey bee-must be inserted into 500 of these clover tubes before one single grain of honey can be obtained. Think of the labor involved in the mighty task of collecting me pound of such sweets. There are 7000 grains in a pound, and as honey contains three fourths of its weight of dry sugar, each pound of clover honey represents the insertion of the bee's probosis into not less than 2,500,000 clover

The Horse in a Fire.

Few know that it is characteristic of he horse to become frenzied when surounded by fire. No appeal to his intelligence is of avail during the efforts made to remove him from the presence of flames. He is terror-stricken, and seems to be in the same condition of mind as most human beings are when in a panic. It is therefore useful to know that by a very simple expedient the horse can be easily managed in case of fire. All that is necessary to do is to put a saddle on him, and he can be led without the least difficulty from his stable .-- Our Animal Friends.

of them that the ground is thickly strewn with their fragments, from rocks like bowlders down to chips and minute splinters, that show their brilliant colors under the fierce Arizona sun with kaleidoscopic effect. At every footfall

you tread on gems, some of which might grace a ducal coronet, while the most plain and least attractive would be worthy of an honored place in the finest cabinet. There are no rubies, supphires nor diamonds here (as has been incorrectly reported), but the amethyst abounds, and the red and yellow jasper, chalcedony of every hue, the topaz, the onyx, the carnelian, and every imaginable variety of agate. Nor log, nor frag-ment, is limited to a single kind of gem. Many are massive" mosaics of all the kinds named above. The material breaks pretty easily into cubical forms, but it is extremely hard, and takes a brilliant and durable polish.

How Dust Gets In.

When the air around us becomes condensed-shrinks into a smaller volume -it becomes heavier, puts greater pressure on the surface of the mercury and makes it ascend in the tube; then the mercury is said to rise. When the air expands-swells into a larger volumeit becomes lighter, the pressure on the mercury is less, the mercury sinks in the tube and the barometer is said to fall. Therefore every change of height of the quicksilver which we observe is a sign and measure of a change in the volume of air around us.

Further, this change in volume tells no less upon the air inside our cases and cupboards. When the barometer falls, the air around expands into a larger volume, and the air inside the cupboard also expands and forces itself out at every minute crevice. When the baromete rises again, the air inside the cupboard, as well as outside, condenses and shrinks and air is forced back into the cupboard to equalize the pressure, and along with the air in goes the dust. The smaller the crevice the stronger the jet of air, the farther goes the dirt, Witness the dirt tracks so often seen in imperfectly framed engravings or photographs. Re member, ladies and gentlemen, whenever you see the barometer rising, that an adlitional charge of dust is entering your rupboards and drawers.-Detroit Free

Mr. Dyer, who lives on a small island near Seven Hundred Acre Island, Islesborough, Me., has a unique way of catching seal. He takes a pole seven feet in longth, to which are attached a number of common co lish hooks with lanyards several fost in height. The maks are insted with a herring. This contrivance is anchored and buoyed, the hooks being just below the surface. The seals in scallowing the horring become New York Post.

A young woman who went out sailing at Atlantic City the other day described the bow and stern of the vacht as "the point and the blunt."-Philadelphia Rec-

Edison has patented 600 inventions, but he has to slap at the summer fly just as vainly as anybody else. Genius can-not do everything,-Baltimore American:

Gushing Girl-"Now, don't you put my name in your paper; don't you dare. Experienced Reporter----- Very well, How did you say you spell your name!" -Washington Star.

"Jack Wilkins broke his bicycle yesterday." "Lucky fellow," ren lied Willie Wishington, "Mine is a wild as it was the first day I twied to wide it.' -Washington Post.

Things one would rather have expressed otherwise. (Lady Festus at home, 2 A. M.) Hostess-"Only just come, Sir Georget How good of you to come so inte!"-Punch.

"You can't claim," said the man who doesn't care for the rod and line, "that fishing affords exercise." "Oh, yes it does," was the reply; "for the imagination."-Washington Star.

"The style of writing that you do must be very hard work." Herbert-"Well, it is; but what made you think of it?" Gladys-"Why, it makes me tired to read it."-Chicago Inter-Ocean.

"Ah, Hardup! I hear your uncle is lead. Rather in eccentric man. Was he alto, ether right in his head?" "Well -n-1 couldn't say, you know, till the will is read."-Boston Commercial-Bulletin.

Miss Thin-"Don't you think my new dress is just exquisite? They all may so. Faunie-"Oh, lovely! I think that dressmaker of yours could make a clothes-pole look quite graceful."- , Brooklyn Eagle.

Tramp-"Madam, wou't you please help a poor sick man?" Woman of House-i'Why, you don't look sick.' Tramp-"Yes I be, too, madam." Woman of House--"What are you sick of?" Tramp-"Work."

A poor old toper, who was in the habit of getting lost on his way home, was asked how he could afford to keep the dog that was always with him. "That dog," he said, "not only boards himself but finds me."-Boston Post,

Rivers-++I hear Cholly Lightpate is not going to Europe, after all. Has he changed his mind?" Banks -- "His mind?" Great Scott1 His mind? N Heximply isn't going on account total lack of change,"-Chicago bune.

Young Author-"What did you of my new novel?" Cynical Up *Oh, it is all well enough, I supp but for general use 1 am incline hooked and are caught. Mr. Dyer has think some other oplate would taken a large number in this manner .- cheaper and easier to take."-Somery Journal.

Unique Way of Catching Seal.