THE FOREST REPUBLICAN FOREST REPUBLICAN. Is published every Wednesday, by J. E. WENK. Office in Smearbaugh & Co.'s Suilding BLM STREET, TIONESTA, PA. Terms, - - - SI.50 per Year. No subscriptions received for a shorter period Correspondence solicited from all parts of the tountry. No notice will be taken of another the VOL. XXVI. NO. 41. TIONESTA, PA., WEDNESDAY, JAN. 31, 1894. SCIENTIFIC AND INDUSTRIAL. UNAWARE,

Paris has the largest and most complete sewerage system in the world.

A statistician estimates that Americans expend \$400,000 a day for amusements.

A statistical person has figured out that the average life of a cabinet under the present French Republic has been tine months.

By a new route which is proposed from England to Australia, across Canada, the trip from London to Sydney, it is believed, may be abortaned to twenty-eight days.

The Chicago Record confidingly admits that "of all sads words of tongue or pen a few of the suddest are those which would properly describe a view the World's Fair grounds at the present time."

Of all the States New York has the greatest number of savings bank depositors, 1,516,389, and also the greatest amount of deposits, \$588,425,421. Massachusetts comes next with \$1,131, 203 depositors, having on deposit \$369.556.386

- Twenty-two years ago there were 222 bearers of titles in the French Chamber of Deputies, where now there are but sixty-five. Only three marquises are left out of thirty, while the counts have declined from thirtytwo to fifteen. At this rapid rate of disappearance a few decades more will almost the entire extinction of titles in the Republic.

The recent use of the guillotine in Paris has started anew the discussion as to relative merits of methods of rendering the murder innocuous. It must be admitted, argues the San Francisco Examiner, that a man once beheaded is fully as incapable of acting on criminal impulse as though he had been hanged, and that an electrocuted person is at an equal advantage. Therefore all the methods have points of excellence.

A manufacturing company in Wilmington, -Del., stopped its whistle thirteen years ago because it was complained of as a nuisance, and at the same time informed its workmen that any man who was late would be fined twenty-five cents. In all the years since then only two men have been fined for tardiness, and the question" is asked by the Chicago Herald : What need is there for a noisy whistle to . call employes to work anywhere?

Some day, when falls a sudden sense Of perfect peace on heart and brain, That comes, we know not why or And ere we sook is goue again.

When breathes the unexpectant hour Strange beauty of an instant blown, As if a rose were full in flower Whose earliest buds we knew not grown Pershance one winged moment sped Down the white hights of heavenly air, Some spirit of our blessed dead

Hath stood beside us unaware ! THE BOTKINE BATH.

BY ADELINE S. WING.

ROFESSOR lured into the perusal of some other hooks. Botkine, of the University of Mrs. Botkine pinned on the wall California, was some colored illustrations of various sitting on his forms of bacteria, and then surveyed front steps at the effect with the calm satisfaction of Berkeley in the a general who foresees the success of morning of a his mancouvres. She sighed regret sultry July fully that she could not bring herself day. He was to introduce into the room a few samdelightedly ples of the "germ culture" that her watching the husband was carrying on, but she felt efforts of his pet that she must draw the line at living

boiler.

toad to capture germs. a very large She smiled again. To be sure, Mr. 100 a very large angleworm, and his enjoyment was Smith might think her husband rather enhanced by the fact that his beantieccentric in pursuing his studies in ful German wife, who usually declined this room, but he would certainly feel to interest herself in anything which that he had found a congenial spirit she even suspected of a connection with science, was seated beside him, giving eager little pressures to his in his bath. She had done all she could. With hand and uttering a pleased exclamation, in her pretty foreign accent, this virtuous feeling she was able to whenever the toad made an extra go about her occupations for the day,

effort. the thought of her expected guest The fact was that she, while cutting roses, had been the one to see the be- enough to take a quiet nap. She was awakened by a knock at her door, and the maid handed her a card ginning of the contest, and felt the proper pride of a discoverer. The door, and the maid handed her a card toad had been sitting still, looking as if carved by a Japanese artist, and scription, "Mr. Worthington Smith. giving no sign that it saw anything. She was filled with a nervous fear, The worm gave a little wriggle as it and her heart beat fast as she walked down the stairs. She lingered outside began to come out of the ground, when, quick as a flash, the toad made a leap the drawing-room as long as she dared, and seized the end of the worm in its and then, putting her trust in the bath-room, walked in and greeted her mouth

visitor with a smile of timid welcome. Then began a tug-of-war. Every time that the toad gave a pull, the worm drew back. But the toad was not to be discouraged. It jerked and young, darkly handsome, and dressed jerked until it fairly stood on its hind with more regard to fashion than the egs. Still, it could not dislodge the WOTD beauty with evident admiration.

At this interesting point a train whistled. "Why, Selma !" said the professor.

Mr. Smith smilingly observed : "Professor Botkine's recent researches there is the train already. I had have been of such interest to scienmite forgotten that I must go the city rific men that they must lay him open to-day. Where is my hat?"

to a great deal of persecution from in-"Do wait an instant, dear; just see quiring admirers, but-" "Ob, not at all," she answered, rather incoherently; "or, rather, I what that tona is doing," she answered, holding him back.

He glanced down and saw the toad should say, he likes to be persecuted twisting its leg about until the worm -that is" (with some confusion) "he was wrapped twice around it, then the tond gave a hop, and out came the he returns. In the meantime, I hope that you will let me look after you." This had been too fascinating a

spectacle to the unwary professor. He dashed into the house and back Mr. Smith thought that he should If with remarking: again. kissed his wife, and, with a regretful glance at her rippling hair, and soft blue eyes, started off. you would be so kind as to explain to Suddenly he rushed back.

cologne bottle within easy reach; got she was too pretty to be eccentric, out smooth and rough towels and a He had no wish to bathe, but fearing bath-blanket; saw that the shower- to vex her, meekly proceeded to perbath worked; and with asigh of relief, form his ablutions.

went down stairs to impress the cook She, meantime, was vastly relieved. that during the entire afternoon there She smiled to herself at the thought of how unwilling he had seemed to must be plenty of hot water in the give the slightest trouble.

Suddenly a happy though struck her; she went into her husband's study "I suppose he thought we Americans never had any decent facilities and brought out every book on bad for a bath," she reflected. Then: teriology that she could find. These she ranged on a shelf at the foot of "He really is remarkably good-look-ing, for a scientist. If I had not the bath-tub. Standing out a little known what he was, I should have beyond the others, as if but just thought he was just a nice young fellow and rashly tried to get on with him. Oh, if George had not told me in time!" She shuddered as sho shoved in, was Mr. Smith's own pamphlet on "Bacteria." She was sure of the vanity of authors. He would at least take this down to see if any thought of her escape. passages were marked, and might be

"I suppose he will be dried-up looking before long. He is a whited-se-pulchre kind of man now. I could not see the slightest sign of baldness in him, but his seething intellect is bound to cook his hair off in a few Even George is a wee bit yoars. bald. But how delightful that Mr. Smith did not fathom my ignorance." She was so elated that she went to the piano and sang for a half-hour.

She was startled by hearing some one come rushing into the room be-hind her. She wheeled on the stool and encountered the gaze of Mr. Smith, who stood before her, looking

decidedly unoasy. "I beg pardon for interrupting you, Mrs. Bodkine," he said; "but I wish to thank you for your kindness and to make my adieux.

"Why, Mr. Smith-" she began, but he waved his hand apologetically and contined :

"I am very sorry not to have found Professor Botkine, but perhaps I can come again. There is just time for me to catch the five o'clock train." and in the afternoon even banished

It was her turn to be astonished. She opened her lips to speak, but he went on, nervously ;

"Pray forgive my leaving you so abruptly. Thank you very much. Good afternoon," and, bowing profoundly, he was gone.

For a moment she felt stunned. Then a flood of questions poured through her mind. Was the man insane? Or what had she done to offend him? What would her husband say? He did not look at all alarming. What was there in science to turn an apparently "nice" young man into such a distraught savage?

"Ah! recommend me to a plain scientific mind generally deigns to be-stow. He saw her timid air and blonde on the brain !" she sighed.

The rest of the day seemed endless, but at last she descried Professor After the first polite commonplaces, Botkine, and with him a rather desiccated and "dug-up"-looking man.

"Oh, dear !" she moaned ; "there is another scientist, I know to look at him. What will he do, I wonder? Dissect my cat, or say that he cannot dine with us because he never cats anything but bacteria?"

"Here we are at last," said the professor; "I found our friend on the will be delighted to find you here when train. He had mistaken the train and gone to Alameda. Mr. Smith, let me present you to Mrs. Botkine.'

She welcomed her gnest cordially, like nothing better, but contented but the minute she was alone with her sband, she seized him by the lapels "Thank you, very much. Perhaps of his coat. "What joke have you been playing on me?" she demanded ; "who is this me a few things I should like to know about Professor Botkine's theories on Mr. Smith?'

\$1.00 PER ANNUM.

BIG GUNS OF BIG NAVIES The proposed Hoboken (N. J.)

WEAPONS THAT CAN BE FIRED ONLY SEVENTY-FIVE TIMES.

Lake Michigan is 870 feet, or about one-sixth of a mile. The mean depth Powder Charges Weighing 966 Pounds-Heavy Projectiles and Their Terrific Effect.

Two of the mammoth 110-ton runs, upon which the British admiralhas so proudly commented as the 'modern naval artillery," and which cost about \$100,000 each, went down into seventy fathoms of water with the battle ship Victoria, and in con-nection with this fact, mays the Wash ington Star, there must have been awakened much interst among readers as to whether such heavy war weapons, heavier than any yet made for the United States navy, and heavier than

A new process of rain making was recently brought before the Academie will probably be built, are a wise addes Sciences, Paris, by M. Baudoin. His theory is that electricity maindition to a modern war vessel. And yet this big gun is not a new tains the water in clouds in a state of thing, as it practically dates back small drops, and that if the electricity twelve years. About forty of these be discharged the water will come big guns have been built, and some of them were sent to Italy. It is easy to An instrument has been invented comprehend among navy officers that for sounding the depths of the sea such guns are an expensive luxury, not only in the actual cost of the gun

without using a lead line. A sinker is dropped containing a cartridge, and its ammunition, but also in the which explodes on touching the botsize of the ships required to carry them. But what will be of most intom; the report is registered in a microphone apparatus and the depth reckoned by the time at which the exterest to lay people is the quantity and cost of ammunition and the life of the plosion occurred. gun itself. The best ordnance experts The air brakes on railroads are being calculate the life of the 110-ton gun to be seventy-five rounds with

built with a view to their use on trains of 100 cars. The plant on each train charges. is being built so that it can be used in such a way as to bring the speed down slow burning coacoa powder, the name coacoa being derived from the brown from eighty to thirty miles per hour within five seconds. Great power has color of the powder. It is shaped in to be used, and every part of the apparatus has to be perfect to stand the strain.

Bridge will have a single span of 5850

The greatest depth recorded

is about 325 feet, or one-sixteenth of

The flen is covered with armored

plates very hard and overlapping each

other. Each is set with spikes, and

bends in conformity with the move-

The largest engine is at Friedens-

ville, Penn. ; its driving wheels are

thirty-five feet in diameter, the cyl-

inder is 110 inches, and it raises 17,

500 gallons of water per minute.

feet-the longest in the world.

a mile.

down.

ments of the body.

Dr. Hughes, of Meriden, has re-ceived a letter from R. W. Sawyer, of Nassau, New Providence, one of the Bahama Islands, telling of the finding of a pink pearl in a conch shell there that is the finest ever brought to light. This pearl is nearly as large as a pigeon's egg and of the same shape, having no flaw or blemish, and of per feet color and marking. It was sold to the local agent of a Paris house for over \$2000, the largest price, it is believed, received for a pearl at the Nassau conch fisheries.

At the recent meeting of the chemical section of the British Association for the Advancement of Science the artificial diamonds that have been made by M. Moissans, of Paris, were exhibited and awakened much interest. These, as yet, are of hardly sufficient marketable, but there ap size to b pears to be no longer doubt that this and the cost are but questions of technical detail, and that another decade at most will suffice to reduce diamonds to the vulgar level of the amethyst or the Rhine stone.

How Old Is the Human Race !

The fullest answer that science can yet give to the three most interesting questions perhaps over asked in the world are explained in an article in the Forum, by Dr. Daniel G. Brinton, the

My little child Slips from my arms Just when my heart Most to her warms, God bless her! How She thrills me when She tumbles in My arms again.

RATES OF ADVERTISING :

each insertion. Marriages and death notices gratis. All bills for yearly advertisements colleg quarterly. Temporary advertisements as be paid in advance. Job work—onah on delivery.

MY LITTLE CHILD.

Years fly so fast a Soon she will be A maiden r then She'll turn from me, Some smooth-faced boy Her heart will steal From me-what ur-Of love so leal?

What use? Why, then It comforts mo To know that if Her memory I hold my place-Young love wanes fast. But father's love Will always last. -Phil. L. Barker, in Chicago Record,

HUMOR OF THE DAY.

A correct costume-The convict's garb.

The golden rule-The power of money.

Lawyers may be posts; they write ots of "versus."

Lumbermen are not necessarily loggerheads. - Lowell Courier.

It's a wise cow that knowns its own butter.-Florida Times-Union.

A gross outrage-Finding it a few packages short. -Florida Times.

The Hawaiian difficulty-How to pronounce the Queen's name.-Hallo. A miner may be ever so well off, but

he can't help getting in a hole occa-sionally.-Toledo Commercial;

What cares he for wealth, For palace or hovel --The boy is good health, With a yellow back novel? --Buffalo Courier,

The burglar is not inclined to be talkative, but he is a great bore when he finds the safe locked. -Binghamton Republican.

He-"This is a bird's-eye view of my home; it-" She-"Yes, I notice it has a kind of jay appearance." far as it can be on the mount, and Chicago Tribune. these operations follow: 1, Unlock

"Did the office seek the Colonel?" 'Yes, but he had three days' start and there was no reward out for him."-Atlanta Constitution.

The boiler-maker with oratorical swab out the gun; 6, ram home, or put into place, the projectile; 7, place the first charge; 8, place and ram home the second half charge; 9, withdraw tendencies ought to have little trouble in riveting the attention of his hearers -Buffalo Courier. the loading tray; 10, replace the

The ideal juror in a criminal case is the man who either never reads anything or never understands what he reads.-Milwaukee Sentinel.

Some say that with the greater use of the telephone, the messenger boy is beginning to go. He may be, but he's not going fast.—Philadelphia Times.

'Tis now the naughty little boy Gets home from school too lato To carry in the svening coal, But not to go and sknke, --Chicago Inter,Ocean.

In a little coffin about fifteen inches ong the heart and other portions of the body of a man, whose disgrace and suicide in the year 1892, brought about the overthrow of a cabinet, issued forth from the morgue in Paris a few days ago on its way to the Pere la Chaisd cemetery. They were the remains of Baron de Reinach, who in the heydey of his power was one of him?" she wailed; "you know I can the financial magnates of Europe, con- and talk science and pollywogs !" trolling even the destinies of ministers and influencing the policy of the Nation.

There have been great changes in the United States Government departments in the last thirty years. The first woman regularly employed was put on the rolls of the Navy Department thirty-five years ago. She was a young widow, and the officials considered it an awful problem how to dispose of her. Finally they hit upon a plan. They treated her as if she was a contagious disease and isolated her in an attic room. She received and returned her copying by a messenger. But the disease caught on, so to speak, and to-day there are 1000 women in the Treasury alone. There is one woman to every seven men.

Two or three recent railroad catastrophes, fortunately of the minor sort, have directed public attention to the fact, remarks the Washington Star, that the use of stoves for heating purposes and oil as an illuminant is still indulged in by ancient and mossbacked corporations, to which the safety of the passengers is apparently a minor consideration. Public sentiment should be strong enough to work the necessary reform, but the trouble about public sentiment is its failure to declare itself until some frightful combination of collison or derailment and conflagration arouses general indignation. The Fullman and Wagner companies-worried over even the small quantity of oil used for cooking purposes on the buffet cars-have completely banished the dangerous fluid, and will in future do their cooking with gas, thus removing every element of danger that can possibly be gotten rid of. The public should insist strenuously upon the universal adoption of every safeguard, and the time to insist is in advance of and not after a great railroad horror.

"Why, dear," he cried, "I forgot to tell you that that Mr. Smith, the Cabacteria." He was surprised to see a deep flush nadian, who wrote the paper on and a look of distress come over her bacteria, will be here this afternoon face, and, before she could answer, he to stay a day or two. He may come before I am back.' She clasped her hands in mock

am trespassing on your time. Pray, despair. "But what shall I do with do not let me incommode you. I have Mr. Smith that came here this after-"Oh, don't be alarmed. He isn't wait," and he looked down embarso very dried up. Just let him have a rassed.

good soaking in a bath-tub. Then he A furtive feeling of relief crept for will come out perfectly human and moment into her eyes. Then the happy. He's an Englishman, you thought that she could not be guilty know," and the professor, with a of such inhospitality as leaving her laughing glance at his little wife's rue- guest to shift for himself forced itself ful expression, threw dignity and his upon her. But here he was, plunging coat-tails to the winds as he madly ran down the street, 'looking like a great turning shy besides. Oh, she must black bird of prey," as Mrs. Botkine send him off to that bath! It seemed laughingly remarked to herself. self to the effort.

But she grew sober as she thought how ruthlessly science and scientists seemed to dog her unwilling footsteps. Her husband certainly loved her, but he had a way of becoming utterly absorbed in his studies, and then bursting into her reflections with remarks which sounded positively ghoulish. He had appeared only vesterday in her own private sanctum carrying a "horrid snake" by the tail, and, although he had not yet reached the pitch of Professor Agassiz-who was said to care at all for a bath. I shall do very others, a few of the larger monkeys have consigned infant serpents, for well here, and-" safe-keeping over night, to his wife's

boots-she did not know where his enthusiasm might lead.

"I'm half afraid to go to sleep," she had roguishly said to him one night. 'I'm afraid that your deepest interest even in me is only scientific, and I believe you are capable of cutting me open to see what queer thing there is in my heart that I love such a bookish the bath room, and I will ring for of recovery. The small monkeys bite old bear with."

erself.

"Now here was this Canadian coming! And how was she to be properly interested in his old bacteria and not disgrace her husband by betraying her he exclaimed, "it is not at all worth ignorance on the subject?" she asked while, I-

overything possible must be done to me if you refuse."

make that bath-room attractive, so that She went upstairs, and with her at the thought of his possible quesown dimpled hands got down a new tions. As the man-servant appeared, cake of perfumed soap. She eyed it she said :

critically. Perhaps his severe scien-tific mind would be disgusted with satchel to the guest chamber and show such effeminate luxury. Perhaps- him to the bath-room. who knew?-he might discover even Mr. Smith endeavored to hang back

had heard it said that a man with a smilingly waved her hand toward the theory finds examples of its truth in stairs and walked into another room. everything about him. Never mind! She had looked alternately vexed and

pleased. She put the alcohol and a experience he would have vowed that i tioned.

The professor looked astonished. "Why, my dear, there is no joke. This is the Mr. Smith that I told you I was expecting this afternoon. What hasten d to add: "But I fear that I is the matter?"

"Matter!" she cried; "who is the some uncut pamphlets in my satchel noon with a satchel, and asked about here, and will look them over as I your theories?"

"Why, we met him at the station. He had a few specimens to show me. He is the son of my friend, Commo dore Smith, of San Francisco, He had just run over for a short call. "A short call !" she echoed again ; 'what will he think of me? I sent him up stairs to take that bath !"-Argo maut.

Monkeys,

Monkeys, with some notable exceptions, are some degrees worse than savage men in their treatment of the On the new Jumna Canal, at anything on the subject, and I can Delhi, monkeys swarm in trees upon not think of leaving you here alone. the banks, and treat their sick com-

The colony by the canal being overcrowded, and as a consequence He looked amazed and then em- healthy, did, and probably does still, suffer from various unpleasant diseases. When one monkey is so obviously unkine," he stammered, "but I do not well as to so offend the feelings of the "I watch it, and taking a favorable op-"I portunity, knock it into the canal. If it is not drowned at once, the sick monkey is pitched in again after it regains the trees, and either drowned or forced to keep aloof from the flock. At the London Zoological Gardens the monkeys torment a sick one with out mercy, and unless it is at once reand pinch it; the larger ones swing it around by the tail. When it dies, as many moneys as can find room sit on its body .- New York Dispatch.

Horse-Power of a Whale,

An interesting study of the horseower of the whale has been made by the eminent anatomist, Sir William burgh, Scotland, in conjunction with John Henderson, the equally eminent Glasgow shipbuilder. The size and dimensions of a great whale stranded peveral years ago on the shore at Longriddy furnished the necessary data for a computation of the power necesin it the presence of bacteria! She and say something, but Mrs. Botkine sary to propel it at the rate of twelve miles an hour. The whale measured eighty feet in length, twenty feet across the flanges of the tail, and She would place beside it a cake of triumphant. white eastile and one of tar soap. Then, whatever his tastes, he must be remarked to himself that before this before this

These questions are: ethnologist. "When did the first man appear? "By what process did he appear?" and "Where did he appear?" Summing up all that geologists and anthropologists know he appeared certainly 50,-000 years ago, and it may be as many as 200,000 years ago. The evidences of his existence which date back 50,000 years are unmistakable. By what process he came into being science has no definite answer. If it refuse to accept the doctrine of specific creation, it must refuse also, for lack of complete evidence, to accept the doctrine of gradual evolution-the old Darwinian doctrine. Dr. Brinton thinks the theory of "evolution by a leap" is as good as any other theory. According to this, man sprung from some high order of mammal, the great tree ape. perhaps, by a freak, just as men of genius are freaks, and as all the vegetable and animal kingdom show freaks. As to where man first appeared it is beyond doubt that his earliest home was in southern Europe, or Asia, or North Africa. No earlier traces of him have been found than those found in the area that is now England, France and Spain.

Natural Curiosities,

Curious resemblances in Nature start with the cocoanut, in many respects like the humanskull and alm facsimile of the monkey's. The meat of the English walnut is almost a copy of the human brain ; plums and black cherries like the human eye, almonds like the human nose, and au unopened oyster and shell a perfect likeness of the human car. The shape of a man's body may be traced in the mammoth squash, the open hand in growing scrub willows and celery, the human heart in German turnips and egg plant, and dozens of the mechanical inventions of the present day to patterns furnished by Nature. Thus, the hog suggested the plow, the butterfly the door hinge, the frog stool the umbrella, the duck the ship, and the fungus growth on trees the bracket.

New Process for Enameling.

Fletcher, Russell & Co., London, have introduced a new process to supersede the use of Berlin black and black lead for protecting cast iron. The casting is coated with a film of enamel, which is so thin that even the finest details on the metal are preserved. This enamel is said to be absolutely proof against rust, and preserves its qualities at any temperature up to bright red heat. All colors are obtainable, including gold and silver, bright or dull, and as many as are wished can be produced on one casting. The process is said to offer great facilities for decorative work of all kinds .- Scientific American, /

than a ton, and it leaves s mutzzl with a velocity of 2105 feet a secdestructive energy ond and a equal to 55,305 foot-tons. When tested before mounting on the Sanspareil three years ago the Server. shot tore its way through specially manufactured steel armor twenty inches thick, and yet the armor belt

weigh

full

The 110-ton gun, and, in-

deed, all large guns, are fired with

hexagonal prisms, this being the most

convenient form of packing, and 10,-

000 of these prisms are needed to make a full charge for this monster gun.

Each prism is pierced with a hole in

the centre to give ready access to the

flame and insure an equable ignition.

der charge is made up of four car-tridges, but owing to the extraordi-

nary weight of the 110-ton gun charges

(966 pounds) it is divided into eight

cartridges, each weighing 120 pounds. To load the gun it is necessary to

bring it to its extreme elevation--that

is, the muzzle is pointed upward as

and unscrew the breech block; 2,

withdraw the breech block; 3, tra-

verse breech block to one side: 4,

place the loading tray in the gun; 5,

breech screw; 11, screw up and lock

by the captain of the turret from his

conning tower. It is fired by elec-

tricity. The gun can be loaded and

fired within two and a half minutes.

The projectile used in the gun, when

1800 pounds, or nearly 200 pounds less

ships or forts are attacked,

The gun is then ready to be sighted

the breech screw.

For nearly all naval guns the pow-

of the Victoria ranged from sixteen to eighteen inches in thickness only. In addition to the twenty inches thick ness of steel the shot went through eight inches of iron fastened in a heavy wrought-iron frame, twenty feet of oak baulks, six feet of granite blocks, eleven feet of concrete, and six feet of brick. In other words it went through forty-four and one-third feet of a wall unique in history for combination of width and variety and strength of materials. The cost of one firing of this gun was \$400 for the powder and \$600 for the projectile and fuses, and after seventy-five rounds there would be the cost of the gun to add, namely,

\$100,000. In firing the gun against a body of men or a flotilla of boats it is intended to use schrapnel, a drum-like cylinder of steel, inclosing 2300 four-ounce bullets. As soon as the schraphe) bursts the bullets go flying on, the spinning of the shell caused by the rifled grooves of the gun spreading When i them out over a large area. shell is used it is charged with powder, which causes it to explode and scatter its pieces with great destruction.

English Law to Accidents.

The term "accident" would appear to be easily defined, but the late Lord Chief Justice Cockburn thought not, and on several occasions insurance companies have sought a definition in the courts of law. It has been decided that a sunstroke is not an accident, but that injury to the spine by lifting a heavy weight is one. Even if physi cal ailments contribute to an accident it is covered by the policy. The rela-tives of a man who, while bathing in shallow water, was soized with a fit

and suffocated sustained their claim, as did those of a man who, when similarly seized, fell under a train and was killed. Again, a person having fallen and dislocated his shoulder was put to bed and carefully nursed, but in less than a month he died of pneumonia. The connection between that complaint and a dislocated abouider is not at once visible, but on the ground that the rostlessness and susceptibility to cold produced by the accident led to the disease which killed him, the relatives were held to entitled to claim The influence of intoxicating liquor has been authoritively defined as "in duence which disturbs the balance of a man's mind or the intelligent exercise of his faculties," and injuries received while in that condition are not covered by an insurance policy, -- Chambers's

Journal.

A shoemaker in Lynn, Mass., displays a sign in front of his shop reading: "Boots and shoes repaired and promptly executed."-New York Ob-

Clara-"Would you take Walter Handsome and Arthur Handsome for brothers?" Amelia-"Yes, I have already promised to be a sister to them." -Raymond's Monthly.

A Young Higher Critic-Foud Parent-"Yes, Bobby, the Angel of Death passed over the houses and smote the first-born of each Egyptian family." Bobby (after a moment's silence)was twins?"-Harlem Life.

Young Lady .-. "What be-e-autiful chrysanthemums! What are they worth?" Dealer-"Twenty-five each, Young Lady-"And what ma'am. are all those young men ranged along the counter for?" Dealer-"Those are the ten-cent stems."-Cleveland Plain Dealer.

Muggins (recently married, showing his apartments) - "This is a wardrobe where my wife hangs her clothes, and this is another wardrobe where my wife hangs her clothes." Bilter-"Where do you hung your clothes?" Muggins-"Oh, I don't have any now." -New York Herald.

Wagleigh - "Bagleigh had a curious adventure the other day. He got into the middle of a field when he found that an angry brindle bull stood in front of one gate while a healthy Jersey cow guarded the other. He didn't know which one to face." Tagleigh-"I suppose the cow proved to be the most harmless." Wagleigh-"No; it was a toss-up between the two,"-Brooklyn Life.

The Soil Consumed by Flames,

Several hundred acres in Hamboldt County that this summer raised the biggest hay crop in the State burned The soil itself has been ashes. consumed by fire to a depth of fifteen fent.

Two years ago the land was several teet under water, and was known as Owl Lake. It was drained by a big ditch and dried up, leaving a very rich soil. A few days ago, when a prairie fire swept over it, the soil itself took fire, burning like turf. The fire cats down to a hard clay that will

To Cure a Cold Sore.

It is very vexing and annoying to have one's lips break out with sores, but it is better to have them out than in. A drop of warm muttou sust applied to the sores at night, just before retiring, will soon cause them to disappear.

into science the very first thing and rather awkward, but she nerved her-"No, Mr. Smith," she said, gayly, "I am sure that I could not tell you sick.

You must let me make you comfort- rades in true monkey fashion. able. I know that after your journey you would like a bath.

barrassed. "Thank you, very much, Mrs. Bot-

"No, no!" she said, nervously;

know that you are only afraid that there is no hot water on such a warm day, and you do not wish to give trouble. He put out his hand and tried to in-

terrupt her, but she shook her head and went on rapidly :

James to show you up. He looked thunderstruck at her in-

"But, I assure you, Mrs. Botkine,

"Not another word, if you please Manifestly, he must take a bath, and Mr. Smith. You will really annoy

She thought to herself that he little he should stay there as long as porsi- knew how more than annoyed she was Turner, of the University of Edin