be too low, the discharge takes place through it too rapidly—aimst explosively—and is liable to set up induced or secondary discharges in neighboring conductors. The rod should be carried to the ground with as few bends as possible. Iron is a better material than copper, provided atmospheric conditions are not such as to rust it away too quickly.

The other, or B type of stroke, as it is called, occurs when an uncharged cloud intervenes between the earth and the charged cloud as an electrical condenser, and when a discharge takes place between them, the charge upon the upper surface is neutralized, and that on the solver surface suddenly set free, and consequentity throws a sudden strain in the dielectric between the cloud and the earth, with the result that if a discharge takes place, it is apt to follow the erratic path. The effect of such strokes is more serious than that of an A stroke, and lightning rous offer but slight protection. The only way to protect the building from such strokes is to surround it by a cage of metal. It is suggested that powder magazines be protected by a complete metallic sheathing; but even a metallic cage does not guarantee a building against lightning.

"Lightning will sometimes prefer to find its way to ground through the hot gases of a tall chimney, rather than through the rod provided for it. It is suggested that this might be prevented by raising a number of rods well above the top of the chimner, connecting them to the ground through vertical wires. It is recommended that all metallic parts of a building be connected good grounds; and although there is no record of damage to tall steel-frame structures, it would be desirable to provide a better earthing connection than that usually obtained through the concrete foundation. The report suggests that the usualmethod of grounding conductors by means of large plates should be abandoned in favor of a ground obtained through a perforated steel spike driver into moist ground, and filled with granulated charcoal method of grounding

ground, and filled with granulated charcoal not coke.)

The problem presented to electrical engineers is in some ways even more troublessome than the protection of buildings from lightning, for, in addition to providing a path for the discharge to ground, the lightning arrester must prevent the line current from following along the path taken by the lightning. In addition, lightning arresters used on electric systems are frequently depended upon to protect the system from damage due to an unexpected happening taking place on its own lines. A short circuit on a transmission line, or a sudden throwing off of a large load, may set up electrical oscillations which will cause an excessive rise of voltage, with danger of breaking down the insulation of the electrical machinery. If the lightning arrester be adjusted so as to allow a discharge to take place if the voltage not only from the lines to the ground, but between the lines themselves, rises above a certain point, it will act as a safeguard. The engineer of a transmission system does not fear a direct stroke of lightning as much as induced or secondary strokes, or excessive potential due to a static charge. A direct stroke will frequently find its way to ground through the poles, rather than pass back to the station over the line. The pole may be shattered, but the system otherwise will be undamaged. A conducting line may, however, be brought to a high potential by unsuspected causes—high line may, however, be brought to a high potential by unsuspected causes—high winds, dust storms and other atmospheric occurrences—which will throw a dangerous strain upon the electrical machinery.

occurrences—which will throw a dangerous strain upon the electrical machinery.

"To protect the system from this danger the arrestors may provide a path which can be taken by the charge. Such a path is, in general, one of high resistance, and may be formed of a number of small airgaps, or water jets or carbon rods, or a combination of such devices. In this country the greatest dependence is placed upon an arrester which combines a spark-gap and a conductor of high resistance. The gap or gaps are proportioned so as to prevent archipg due to the line potential, but to allow an arc to be established if the voltage rises above a certain limit. Once this has happened and an arc formed, the resistance of the gas is reduced, since heated air is a better conductor than coid air; and the line voltage will, in general, be sufficient to maintain an arc if means are not provided for breaking it. This may be brught about by blowing out the arc by an electromagnet, or by arranging the path to ground in such a way that, after the arc has been established, the voltage across the spark-gap falls so low that the arc can not persist."

Minard's Liniment Cures Dandruff. SHOOTING LIONS IN AFRICA.

Hunter's Experience With Troop He Found Asleep.

We were nearing the end of our shoot, and although we had done fairly well, we had not as yet seen any signs of lion. We happened to arrive at a swamp where a large troop of lions had been seen some time before, but as the read beds by the swamp were very extensive we had little hope of coming across them in the daytime; however, we resolved to stop for a day and try our luck.

however, we resolved to stop for a day and try our luck.

Eventually I got into broken ground— a mound of round, grassy hillocks about 1,000 yards from the edge of the water. I had just gained the top of one of the hillocks, says a correspondent of the London Field, when I became aware of a number of yelowish objects on the top of another hill about 200 yards away. I looked through my glasses and was astonished to find it was a troop of thons, five in all, apparently fast asleep. I had never expected to find them in the open like this, especially as there was such splendid cover so close at hand. However, there they were, so, after a consultation with my gun-bearer, i decided to make for another hillock quite close to the loss which I could reach without being seen by ther hillock quite close to the lio-ich I could reach without being seen i

which I could reach wallout being seen by
I lost no time gotting there and, crawling
up to the top, I looked over. I got quite a
shock in finding how near we were. We
could not have been more than twenty-five
yards from the lions. The male lay on the
very top of the mound facing me and just
below him was a lioness, also facing in my
direction, while just the other side of the
lion were three more females.
The lion was, as I have said, lying facing
me; but, as good luck would have it, he
suddenly turned completely over and presented his back to us. Here was my chance.
So, alming at his spine, I pulled the trigger.
The effect was instantaneous. All five lions
leaped to their feet with ansry growls and,

beaped to their feet with angry growls and, faster an istant's indecision, made off in different directions, excepting the Honess which had been bring closest to us. She evidently breat business as adding a half elemit of the mound we were on, she came stra

up for us. I releaded at ones and fired at her as she came round the foot of the hill-sock, but the bullet went over her heek. I showed in another entridge and taking a steader aim, as she came up the slope I hit her somewhere too far beck.

The shook was too great for her, and she turned and made off after she others. I fired two more bullets at her, but I do not think I hit her again, although she looked very sick.

think I hit her again, although and looked ivery sick.

All this had happened so quickly that I had not been able to pay attention to anything else. My boys mow told me that the lion was down about twenty yards away. I discovered that the instant I had fired my gun bearer had loosed off both barrels of a 50 at the nearest lioness, quite contrary to the orders I had given him. He swore he had hit her, but I am sure he did not, as a bullet from so powerful a rifle at cuch a short range would almost have finished her off. We soon found this lion stone dead, the bullet having entered his back, just missing his spine, and tearing a great hole inhis stomach. We set to work to skin him at once. He was a young lion in fine condition, with a good mane, yellow with black tips.

We had just finished skinning him when, looking towards the swamp, I saw no fewer than two Mons and nine Honesses looking at us, sitting on their haunches like dogs; the lionesses had evidently disturbed another troop in the rushes, and they were all look-ing very nasty. I could see with my glasses that they were showing their teeth in an ugly manner. It was getting late, and as they all looked so roused I thought it would be a bad policy to attack them again, especially as I knew the wounded lioness was somewhere about, so I went back to camp and found S. had shot a fine Honess, also close to the rushes. This made a total of thirteen iloos seen that afternoon, and there were probably more bestites.

All that night we heard the Hons chasing the herds of zebra, but, although we were out very early next morning and beat through the rushes and long grass we never saw them again, not even the lioness I had wounded, although I am sure, by the way she went off, that she must have died somewhere in the vicinity.

MARTYRDOM DESCRIBED. Kingston Man Tells How He Suffered



and How He was Cured. street, Kingston, begins his story. "A gins his story. "A martyr to chrome

CHAS. H. POWELL Pill. I had suffered for eighteen years and had taken tons of stuff recommended as cures, but which made me worse rather than better. Doctors told me there was no cure for me. Dr. Leonhardt's Anti-Pill cured me."

All dealers, or the Wilson-Fyle Co., Limited, Niagara Falls, Ont.

Miss Krupp.

Miss Krupp.

Miss Bertha Krupp, the richest woman in the world perhaps, is now known as "Queen Krupp" all around Eosen, where are lovated the vast cannon factories which she inherited from her father. In that place alone she has 40,000 workmen toiling for her, who, with their families, make more than 200,000 persons dependent upon her now. If other concerns be added we have a total of 300,000 dependents. She owns gas works, railways, telegraphs, telephones, her own bakeries, slaughter houses and general stores. She has even her own army, regularly drilled, with stern rules of dicipline; it is called a fire brigade, but is as much a body of picked troops as any in Germany. Her army numbers more than 900 men, well armed. Finally, she has her ambassadors in every court in Europe. They may not be known in the regular diplomatic world as such but they are there all the same.

he desired effect.

C. A. KING, M. D.

Told All in One Sentence. (Aurora Argus.)

(Aurora Argus.)

Doll Faulkner was the victim of quite a serious accident yesterday evening, while riding a bicycle out to her brother Tem's home in the southeast part of the city, as a result of the breaking of the frame near the front wheel, pitching Dol headlong to the ground, striking upon his face, which was crushed and bruised in a most frightful manner, chief of which was a terrible gash clear across his forehead, while the nose, mouth and chin were badly cut.

Still in Doubt.

Reporter—Uncle, to what do you atribute your long life?
Oldest—Inhabitant—I don't know yit, young feller. They's several of these patent medicine companies that's dickerin' with me.—Chicago Chronicle.

If a Cow gave Butter

cine in the world.

Send for free sample. SCOTT & BOWNE, Chemists

Toronto, Ont. Coo. and \$1.00. All druggiats

ABOUT THIS CASE

Dodd's Kidney Pills Cure a Young Man Who Had Reached a Very Critical Stage of Kidney Disease.

His Case was More Serious Than he Thought, but Thanks to Dodd's Kidney Pills he is Well and Strong Now.

St. Leolin, Glo. Co., N. B., April 16.—
(Special)—Mr. Patrick Downing, of this place, is a young man only twenty years of age, but some time ago kidney disease had him firmly in its grip and had it not been for Dodd's Kidney Pills he would probably not have been alive to-day.

he would probably not have been alive to-day.

"I think the cause of my trouble was over work," says Mr. Downing, "any way, it began with a heavy dragging pain my back and across my loins. Then I was subject to headaches, cramp in the muscles, dizzy spells and weakness till I felt fit for nothing. But the worst symptom of my case was when I noticed my urine was streaked "with blood, then I knew that my kidneys were affected. Hearing of Dodd's Kidneys were affected. Hearing of Dodd's Widneys like the plants are the Hip, and so I saves me spare cash since New Year's. Here it is—\$2.50 for Granny's seat, an' fifty cents for me own. But de guy in de case—" ney Pills I sent for some and I am pleased to say the pains have all gone since using them, and I am well and strong as ever I was."

Bank Building.

Another instance of the stimulative effect of newspaper advertising upon the banking business is reported from Spo-kane, Wash., where one of the most con-servative financial institutions of the "For years a mar-tyr," is how Chas. H. Northwest entered upon a systematic Powell, of 105 Raglan publicity campaign in 1902. On Nov. 9 of that year the deposits of the bank street, Kingston, begins his story. "A amounted to \$1,253,162,98. On Nov. 9, martyr to chrome constipation, but now 347.15. The increase resulted from the I am free from it and all through the use of Dr. Leonhardt's Antifor three years. Some bankers look upon newspaper appeal as a sacrifice of dig-"I was induced to try Anti-Pill by eading the testimony of someone who up to find that they have all the dignity and been cured of constipation by it. and their advertising competitors all the

What the Woman Thought. They were talking about the new star in

societ
"She never laughs at jokes," asid the man
"Maybe she has no sense of humor," sai
the other man. e other man.
"Maybe she has false teeth," said the wo

man.
And then the conversation languished.

BETTER THAN SPANKING.

Spanking does not cure children of bed-wetting. There is a constitutional cause for this trouble. Mrs. M. SUM-MERS, Box 8, Windsor, Ont., will send free to any mother her successful home treatment, with full instructions. Send no money but write her today if no money, but write her to-day if your children trouble you in this way. Don't blame the child; the chances are it can't help it. This treatment also cures adults and aged people troubled with urine difficulties by day or night.

What's the Matter.

Rowland Hill was greatly annoyed when there happened to be any noise in his chapel to divert the attention of his hearers from what he was saying. On To whom it may concern: This is to certify that I have used MINARD'S LINIMENT myself as well as prescribed it in my practice where a limiment was required, and have never failed to get the desired effect.

To whom it may concern: This is to one occasion he was preaching to one of the most crowded congregations that ever assembled to hear him. In the middle of his discourse he was disturbed by a great commotion in one of the galleries, and looking in that direction he exclaimed, "What's the matter there? The devit the desired effect." seems to have got among you!" A plain country-looking man immediately started to his fect, and addressing Mr. Hill in reply, said, "No, sir, it aren't the devil that is doin' on it; it's a lady what's fainted: and she's a fat un, sir, as don't seem likely to come to again in a hur-ry." "Oh, that's it, is it!" observed Mr. "then I beg the lady's pardon, and-the devil's, too.'

Sunlight Soap is better than other soaps. but is best when used in the Sunlight way. Buy Sunlight Soap and follow directions.

Wages of M. P's..

Under old constitutional usage members were paid what was termed their Minard's Liniment for sale everywhere. "wages" by the constituencies that sent them to Parliament. Andrew Marvell was the last man to receive his Parliamentary wages but before his time it was quite common for members chosen by counties and boroughs to exact payment from those who sent them. The ment from those who sent them. 1ng custom of paying members wages only died out. It was never abolished by act of Parliament, though in the reign of Charles II. an act was introduced for the control of that purpose and read second time.

Therefore there may still be a common law obligation on constituencies to pay butter

law obligation on constituencies to pay their members' wages—i.e., the expenses to which they are put by representation—if such members demand it. Lord Campbell, indeed, some forty years a got invent milk. Milk is Nature's emulsion—butter put in shape for diges—tion. Cod liver oil is extremely nourishing, but it has to be emulsified before we can digest it.

Scott's Emulsion

Combines the best oil with the valuable hypophosphites so that it is easy to digest and does far more good than the oil alone could. That makes Scott's Emulsion mankers of the strength of the service of t their members' wages-i.e., the expenses makes Scott's Emulsion the most strengthening, by a poor man it should not be debarred nourishing food - meding in the world. minster.—Lewiston Journal.

Asking an Innocent Question. First actress—Why, haven't you heard, dear, I'm engaged for one of the principal parts in "Beauty and the Beast?"

Second actress—How nice! And who plays

JIMMY'S THREAT FAILED. heatre Manager's Story of a Stree Arab

A mite of a boy, with neatly-patched knickerbockers and a pinched look that comes from want of nourishing food, plucked at the sleeve of George Kingsbury, manager of the Hippodrome at New York recently. "Say, mister, are you Mr. Dundy?" he inquired, hesitatingly.

you Mr. Dundy?" he inquired, hesitatingly.
"No, son," replied the busy manager.
"What do you want?"
"I wants a seat for granny down where de big, mugs sit, an' one for meself up in de peanut gallery, but de guy in de cage won't sell 'em — says I'm toutin' for de spees on de walk.
Oh, I've got de mazuma all right," he added, diving into a pocket and bringing out a handful of coppers, nickles and dimes.

Mr. Kingshury, was interested and

Mr. Kingsbury was interested, and, drawing the lad out, found that his name was Jimmy King, and that he lived in Harlem when he wasn't selling paragraphs.

Mr. Dundy had come out from his office and heard the unvarnished tale.

"Give the boy a loge box," he told Mr. Kingsbury, "and tell him to take his money and buy his granny something she needs."

It didn't dawn on limmy all at

It didn't dawn on Jimmy all at once, but finally he was made to understand, and with the box coupons tightly clutched in his fist, he choked, nuttered incohorent thanks and disap-Every seat and every box in the great

auditorium was occupied last night—except Jimmy's loge. Mr. Dundy noted "Fooled again." he sighed. Fifteen minutes later a newsboy hand d to an usher a crumpled note address

ed to Mr. Dundy. On it was scrawled in "We can't come; Granny died to-"Don't sell that box for this perform-

ance," Mr. Dundy ordered.

Japanese Progress.

According to the United States Consul-General at Nieuchwang, the industrial development of Japan is coincident with rapid strides in the art of advertising. He reports that the British-American Tobacco Company and the Japanese Government—which deals in cigarettes as a side-line—are congard in a strenuas a side-line—are engaged in a strenu-ous campaign for the cigarette trade of Manchuria, and that the little yellow men are giving their Occidental com-petitors cards and spades and yet beating them at the game of publicity. The commercial progress of Japan has been whenomenal. Now that advertising has ecome a factor in her forward push the western nations may have a hard run for their money. The only relief is in the same medicine the Japs find so bene-ficial, and more of it. Advertise in the

EIGHTY YEARS OLD- CATARRH FIFTY YEARS. Dr. Agnew's Catarrha Powder cures him. Want any stronger eviover this universal disease? Want the truth of the case confirmed? Write George Lewis, Shamokin, Pa. He says:-"I look upon my cure as a miracle." It relieves in ten min-

A Smart Rejoinder.

A young city clerk entered a restaur ant one day for dinner, during which time he was making several complaints about the cooking of the food, much to the annoyance of an old commercial traveller sitting opposite him. He lis-tened to him till he could bear it no longer, then he quietly looked up at the clerk, and said to him: "Young man, if you had your dinner where I had my you had your sinner where a mad my breakfast this morning you would have less to say, I doubt." "Oh," asks the clerk, "where was that?" "At home," came the unexpected reply.

ENGLISH SPAVIN LINIMENT

Removes all hard, soft or calloused lumps and blemishes from horses, blood spavin, curbs, splints, ringbone, sweeney, stifles, sprains, sore and swollen throat, coughs, etc. Save \$50 by use of one botcoughs, etc. Save \$50 by use of one bot-tle. Warranted the most wonderful Blemish Cure ever known.

Limit to Size of Battle Ships. Limit to Size of Battle Ships.

The announcement that the United States will build a battle ship of 19,400 tons displacement, or about 1,500 tons over the gigantic Dreadnought, which has been launched by King Edward, is possibly the forerunner of the navy construction which will put all previous exertions in this line in the shade. Naval experts decline to admit that the limit of size, combined with effectiveness, has been reached. The Dreadnought is a perfectly practical ship; then why not one little larger? This is the argument of the ship-building nations. But if there is no limit upon the size of ships which may be built there may be attained one day another limit—that of the pocketbook of the so-called naval powers.

One Long-Forgotten Worry, Cenditions improve with time and serenit increases. This time ten years ago you were worrying about how you could manage to

old wheel for the season's model. ' A Modern Heroine.

pay the difference when you traded off your

There is something heroic about the we-man who can view the display of Easter mil-linery and then go home and trim over last

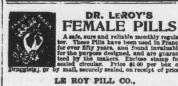
ISSUE NO. 17, 1906 MISCELLANEOUS.

O AKVILLE FRUIT LANDS—10 ACRE hots, excellent for fruit, gardening or poultry; close to electric cars; big money in fruit. Write quick to A. S. Foster, Oakville,

W ANTED. IMMEDIATELY, TWO GIRLS about 20 years of age for positions as cook and housemaid in a private family; good wages to reliable girls. Address in writing to Mrs. Geo. F. Glasson, 74 Hannah street esst, Hamilton.

Souvenir Post Cards 12 for 10c; 60 for 50c; 100, 31; 200, 32; 500, 35; all different. Largest and finest stock in Canada; 500 mixed, 33; albums, all prices. W. R. Adams. Toronto, Ont.

Mrs. Winslow's Soothing Syrup should always be used for children teething. It soothes the child, soothes the gums, cures wind colic and is the best remedy for Diar-



\$5,000 REWARD will

Sunlight

is a perfect cleaner and will

Best for all household pur-

poses, Sunlight Soap's super-

iority is most conspicuous in

Common soaps destroy

the painted or varnished

surfaces of woodwork and

take the color out of clothes.

or lace, or the most delicate

colors may be safely washed

with Sunlight Soap in the

Sunlight way (follow direc-

Equally good with hard

Your money refunded by the dea

from whom you buy Sunlight Soap if you find any cause for complaint.

Lever Brothers Limited. Toronto

Consolation for the Nobodies.

Consolation for the Nobodies.

If you are miserable because you are not great, think of the former greatness of Rome and cheer up. For eleven hundred years Rome was mistress of the known world. To-day the language of the Romans has almost been forgotten and the Roman capital has no commercial importance and is known among men as a curio. The Romans, noted as philosophers and soldlers, who invaded and subdued every nation known at the Roman period are now museum curosities. If you are not great, you will at east escape the humilitation of having your body exhibited 2,000 or 3,000 years after death.

DROPSY IS ONE POSITIVE SIGN

OF KIDNEY DISEASE.—Have you any

of these unmistakable signs? Puffness under

the eyes? Swollen limbs? Smothering feeling?

haustion after least exertion? If you have

there is dropsical tendency and you shouldn't

delay an hour in putting yourself under the great South American Kidney Cure.—86

No Wonder. (Chicago Ladger.)

Elierly man (greeting former acquain-tance)—I remember you face perfectly, miss, but your name has escaped me.
The Young Woman—I don't wonder. It escaped me three years ago. I am married new.

No Great Difference After All,

"It isn't considered polite to ask a Chinese ow many wives he has."

(Detroft Free Press.)

hange of the character of the urine? Ex

0

tions).

or soft water.

Even the daintiest linen

the washing of clothes.

Soap

not injure anything.

Box 42, Hamilton, Canada

Real Aim for the Reformer. Charles E. Hughes, speaking before the thical Culture society yesterday, found an imirably terse expression for the causes corporation malfeasance. He said: "When we say a corporation has or has not we say a corporation has or has not done a certain thing we mean that the directors have attended to or neglected a duty." In other words the responsibility is always personal. To attack the corporation as such is so much sword play wasted. The officers and direct-ors constitute the soul under the ribs of death. Since they are subject to the usual moral and judical penalties, they alone are really worthy of a reformer's effort.

Lehigh Valley Railroad.

Positively the last New York excursion this season. Friday, April 27, via Lehigh Valley Railroad. Tickets only \$9.00 from Suspension Bridge to New York and return. Good 10 days. Good on L. V. R. fast express trains leaving Suspension Bridge at 3.50 and 7.15 a. m. and 7.15 p. m. Don't fail to go. For tickets, time tables, maps of New York and further particulars, call on or address Robt. S. Lewis, Passenger Agent, 10 King street east, Toronto.

Canal-Boat Churches.

Both in England and France, says Sunday Magazine, canal boats have proved of great service in the spreading of the Gospel. In England the canal boat travels along the Fens, and reaches scattered districts on the banks of the Broads which otherwise would be lacking a religious service. Services are held on the boat itself. In France, where it is possible to travel thousands of miles by canal, the McCall Mission has done good work. A boat-chapel, which seats 150 people, moves slowly on its way, stop-ping at hamlet after hamlet for a fortnight or more. Usually the boat is crowded and an overflow congregation listens from the banks. Sometim boat is moored under a bridge, and then, too, holds its crowds of listeners, for the services are very popular. On the Dela-ware River is a wooden church built on the decks of two large boats, and it can be towed from point to point, as re-quired.

A SOUR STOMACH AND A SOUR TEMPER travel hand-in-hand, and are the precursors of mental and physical wreck. Nine hundred and ninety-nine times in a Nine hundred and nincty-nine times in a thousand food ferment (indigestion) is the cause. Dr. Von Stan's Pineapple Tablets keep the stomach sweet—aid digestion—keep the nerve centres well balanced—they're nature's panacea—pleasant and harmless. 35

Tust One of the Difficulties

Public ownership and operation by the various provinces would be attended many difficulties and much friction. every provincial boundary the people living on either side would be compelled in con municating with each other to make use of the trunk lines of both provinces which would be attended with difficulties of double connections and double tolls so far as the people were concerned and the account keep-ing and adjusting of revenue by the different provinces.

Minard's Liniment Cures Burns, etc. Pa Had to Get Even.

"What are you crying about?" "How was that?" "Teacher licked me an' I told pa an' pa

how many wives he has."
"Well, it isn't polite to ask an American how many wives he has, either." went up to lick the teacher an' the teacher licked na. an' na came home an' licked me.

> INDURATED FIBRE WAR DURABLE, LIGHT.

NO HOOPS; SEAMLESS

MPERVIOUS TO LICUIDS

Orange Blossoms That precious remedy, is a positive cure for all female diseases. Write for description strouler and free eample. R. S. McGILL, Simcoa. Ont.

Farmers and Dairymen

Tub, Pail, Wash Basin or Milk Pan Ask your grocer for

FIBRE WARE ARTICLES

E. B. EDDY'S

You will find they give you satis-

faction every time. THERE IS NO SUBSTITUTE

Insist on being supplied with EDDY'S every time.

DOUGHTY'S CEMENT BUILDING BLOCK MACHINE



Makes all kinds of Blocks, either solid or hollow and one set of pallets is all that is necessary The machine is simple, handy and easily oper ated. Why pay fancy prices for a Block Ma chine when you can buy this machine and outfit at a moderate cost? Send for booklet, prices, etc. Awarded diploma at Canadian National Exhibition, 1905. GEO. DOUGHTY, Patenter, Water ford, On