

Ball-Bearing Rifled Gun.
To diminish the friction of the ball in the bore of a rifle and thus quicken its velocity an American inventor named Cullen has applied the ball-bearing principle with results, as described by the London Times, of a surprising character. His 303 gun has a muzzle velocity of 3,200 feet per second and a point-blank range of 650 yards, compared with the 480 yards of the British service rifle of the same bore, using the same charge. While the latter drives a bullet through 72 one-inch boards, the Cullen gun penetrates 116. The Cullen barrel is six or seven inches shorter and is somewhat thicker; the rifling makes four complete turns. In use the barrel does not heat and there is little or no recoil, owing, it is believed, to the comparative absence of friction between the bullet and the ball bearings. The absence of heat dispenses, in the case of Maxim's, with the need of cooling jackets and the freedom from recoil does away with complicated carriages and mountings. A six-pounder can be fired a block of wood and antiquated gun carriages can be utilized. So serviceable is the gun that Japan contracted for the whole outfit for two years. Some 20 of Mr. Cullen's six-pounders and one four-inch cannon are now in use in the Russo-Japanese War. Arrangements have been made, however, it is stated by which the United States and England will hereafter have the sole benefit of the invention.

Polite Terms for Crime.
Our language and vocabulary, with our growing slackness, are changing, says Everybody's Magazine. We are carrying things (otherwise insupportable) with a laugh, and coining phrases for the purpose. As has been said, we are still sensitive to such coarse words as "steal" and "steal," but it is vain to die among ourselves that certain unchallenged doings of today forcibly suggest those terms. Some leave our face with an indignant gaiety not devoid of humor. We give a twist and turn to the rapidly changing English language, and the ugly words disappear in the process. When a conductor steals a fare we jealously remark that he is "knocking down on the company," when we steal a ride from the same company and conductor we laughingly refer to our success in "beating the game," when we bribe we merely "influence" or "square things"; when we bribe we collect "assessments" or "rebates" or "commissions" or "retainers," and so on, until we reach a grave definition of "honest graft," which would be more humorous if so many people did not feel that the term supplied them with a long-felt want. Now, these expressions and others like them may bear a strong resemblance to thieves' slang, but they merely reflect the language of a people unconsciously retreating to a lower moral level.

A Wonderful Jewel.
The most extraordinary pearl—or rather, cluster of pearls—known as "the Southern Cross," is owned by a syndicate of Australian gentlemen, who value it at \$500,000. So far as is known, it occupies an absolutely unique position. It consists of nine pearls, naturally grown together in so regular a manner as to form a perfect Latin cross. The pearl was discovered by a pearl fisher at Roebourne, West Australia. The first owner regarded it with so much superstition that he buried it; but it was discovered in 1874, and five years later was placed on exhibition in Australia.



Miss M. Cartledge gives some helpful advice to young girls. Her letter is but one of thousands which prove that nothing is so helpful to young girls who are just arriving at the period of womanhood as Lydia E. Pinkham's Vegetable Compound.

"DEAR MRS. PINKHAM:—I cannot praise Lydia E. Pinkham's Vegetable Compound too highly, for it is the only medicine I ever tried which cured me. I suffered much from my first menstrual period. I felt so weak and dizzy at times I could not pursue my studies with the usual interest. My thoughts became sluggish, I had headaches, backaches, and sinking spells, also pains in the back and lower limbs. In fact, I was sick all over. Finally, after many other remedies had been tried, my doctor advised me to get Lydia E. Pinkham's Vegetable Compound, and I am pleased to say that after taking it only two weeks, a wonderful change for the better took place, and in a short time I was in perfect health. I felt buoyant, full of life, and found all work a pastime. I am indeed glad to tell my experience with Lydia E. Pinkham's Vegetable Compound, for it made a different girl of me. Yours very truly, Miss M. Cartledge, 533 Whitehall St., Atlanta, Ga."—\$500 forfeit if original of above letter proving genuineness cannot be produced.

DROPSY NEW DISCOVERY. Give one drop of this medicine and 10 drops of treatment. Price, Dr. R. H. GREEN'S, Box 8, Atlanta, Ga.

PISO'S CURE FOR CONSUMPTION. CURES WHERE ALL ELSE FAILS. Best cough syrup. Use in time. Sold by druggists.

CHILDREN'S DEPARTMENT.



THE LAND OF MAKE BELIEVE.
To the gates of Dawn, how gladly
Would the grayheads all go back,
And, among the little children,
For a while forget the rack!
How their purblind eyes would brighten,
How their hearts with joy would heave,
Could they once again be dwellers
In the Land of Make Believe!

O, what treasures that a Crosser
Has amassed can equal those
That before the gaze of childhood,
As by magic, once arose?
All are rich in but they will be,
All possess what they perceive—
To life's largess there's no limit
In the Land of Make Believe!

What a land it is to live in,
Where a palace is as cheap
As a hotel—where the littlest
May with giant strides o'erleap
Highest heights! The bringing knowledge,
How the flying years bereave
Us of all our happy dwellings
In the Land of Make Believe!

Still so curious is the human,
Even in childhood—oh, he sees
Far outside Joy's sphere, a weeping
Or imaginary woes;
For the one's that born a poet,
The he knows not why, must grieve
Over the tears that fall outside of
The bright Land of Make Believe!
—May Norton Bradford, in Boston Globe.

HOW TEDDY HELPED.
Teddy's papa owns a large cattle ranch. One summer there was a drought. The springs dried up, and the streams became trickling rills or disappeared altogether. The cattle wandered restlessly over the range in search of water. Teddy's father sent to the nearest town and had men come with steam-trills and iron pipes to bore an artesian well, so that there would always be plenty of water for the cattle. They bored down several hundred feet in hopes of finding an underground stream, but they could not do so, and had to give up the quest. They went away, taking their tools with them, but leaving what greatly interested Teddy—a deep hole lined with iron pipe. He would take the board off the pipe and peer down, and then drop in a rock and see how many he could count before it struck the bottom.

One night after he had gone to bed he heard his papa talking to his mamma. He said: "Last winter's blizzard killed scores of the cattle, and now this drought comes. They are suffering for water and better pasture. It is all out and not income. I don't know how long we can keep it up. In a few years Teddy will be old enough to help me, but I can't put a ten-year-old boy on the round-up, nor keep him all day in the saddle, looking after cattle." Teddy did lots of serious thinking during the next few days. How he wished he could help his papa in some way! And the opportunity came in a way that Teddy least expected. One day he walked over to where the men had bored for the artesian well. He peered into it, but it was black as night. He gathered a handful of long, dry prairie grass, rolled it in a small piece of birch bark in which he had placed a piece of rock, lighted it and dropped it down the well. Then he put his face close to the edge and watched it blaze as it fell down and down.

Suddenly a long red column of flame leaped upward with a rushing noise. Before Teddy had time to pull his head away, the force of the explosion sent him rolling over and over away from the mouth of the well. The flame shot high up and blazed fiercely for a moment or two. Teddy was terribly frightened. His eyes smarted, and he could see a bright red flame dancing before him in whichever direction he looked. With scorching heat and his hair he ran home as fast as he could. He told his papa what had happened. His papa went to the well, and when he came back he said, "Teddy, my boy, I think your accident is going to make our fortune. Our well has tapped a small vein of natural gas, and I think if we go deeper we shall strike oil!"

So the well-diggers came out again and resumed drilling. Before long they came down to the oil. The oil came rushing out faster than they could save it. Teddy's papa sold the oil-well to an oil company for a good price, and with the money he bought a ranch in another State where there was plenty of pasture and water, and shipped his cattle to the new ranch.

Teddy is learning all he can about managing a cattle ranch, because when he is old enough his father is going to take him for a partner.—F. Lockley, Jr., in St. Nicholas.

MIRIAM'S INDIVIDUALITY.
Long before Marian Gardner had finished her college course she had decided concerning her future. She explained it all to her younger sister Susan.

"The one gift which every soul has in trust for the world," she said, "is its own individuality. Therefore, the great aim of life should be to preserve and develop that individuality. This is something that parents are slow to understand; they keep their daughters at home regardless of the question whether or not home is the best place for them. I know very well that it would not be for me. Something in me would die in the round of every day calls and commonplaces. I am going to teach and study until I find myself, and then I'm going to be myself."

Russia's Egg Trade.
Russia sells more eggs in a year than any country in the world, her output being 150,000,000 dozen.

THE SLOW-GOING CLAM.
Of all the absurd forms of locomotion practiced by the creatures of the deep, the most preposterous is that of the mussel. Squids will startle you by darting backwards, crabs hustle off sideways at a lively gait; but nothing save the dull brain of "some kind of clam critter," pondering over the transportation problem in those remote epochs when time was no object, could have evolved so slow and cumbersome a method. You may often see mussels climbing up the piles of a wharf toward the high-water mark. Notice the black threads attached to the clam. They do the business. The mussel shoots out a spray of gelatinous stuff in the direction he wants to go, and this hardens into those black threads. He lets go the old ones and climbs up by the new. You can trace his progress up the pile by the bunches of old threads which he never leaves behind at intervals. It has never been figured out whether he could go a mile in less than a year, but it would be safe to back the mussel in the animals' "slew race."—Country Life in America.

THE GOLDEN KEY.
One winter's day a boy named Jack was sent to gather wood. By the time he had gotten enough he was so cold that he made a fire to warm himself. While he was scraping away the snow he found a little golden key.

FINANCE AND TRADE REVIEW.

MODERATE IMPROVEMENT.

Two Labor Controversies Still Help to Disturb Business in Many Ways.

R. G. Dun & Co.'s "Weekly Review of Trade" says: Moderate improvement in mid-summer means more than an equivalent increase at any other season, and the better trade reported during the past week is consequently most encouraging. Dispatches from all parts of the country are by no means uniform, in some cases the outlook showing no change, while at a few points there have been setbacks; but on the whole the progress is unmistakable. Two labor controversies are particularly harmful, but others have been settled; and several threatened difficulties have been averted. Despite some injury to spring wheat the agricultural prospect is very bright, while higher prices promise to neutralize the effect of such loss in quantity as occurred. The approaching Presidential election is viewed with more equanimity than any other contest of recent years, both in financial and industrial circles. Net earnings of the railways are making favorable comparisons, owing to the economies made possible by preceding years of liberal expenditures, and even gross earnings for July are but 3.4 per cent smaller than in 1903. Foreign commerce at this port for the last week shows a gain of \$1,575,587 in merchandise exports and an increase of \$1,275,293 in imports, as compared with the corresponding week last year. Increasing activity at coke ovens testifies to the better situation in the iron and steel industries, the fuel movement predicting an improvement at blast furnaces. By holding production down to actual requirements it has been possible to maintain quotations on practically all lines. The only reductions during the past week occurred in wire nails, and there was complaint of list violations in connection with the steel conversion. Agricultural implement works are preparing for a brisk fall trade, the railways are placing more orders for equipment, and a better tonnage of structural steel is moving. Failures this week were 222 in the United States, against 174 last year, and 33 in Canada, compared with 22 a year ago.

MARKETS.

PITTSBURG.
Grain, Flour and Feed.

Wheat—No. 2 red	87	88
Wheat—No. 2 white	85	86
Corn—No. 2 yellow, ear	63	65
Corn—No. 2 white, shelled	59	60
Oats—No. 2 white	46	47
Oats—No. 2 black	45	46
Flour—Winter patent	5.31	5.35
Flour—Straight winter	5.10	5.20
Hay—No. 1 timothy	18	18.50
Clover—No. 1	11.00	11.50
Feeds—No. 1 white mid. ton	23.00	23.50
Feeds—No. 2 white mid. ton	21.00	21.50
Brass, bulk	19.00	19.50
Straw—Wheat	9.50	10.00
Oat	9.20	10.00

Dairy Products.

Butter—Eggs creamery	40	41
Ohio creamery	37	38
Wisconsin creamery	38	39
Cheese—Ohio, new	8	9
New York, new	8	9

Poultry, Etc.

Hens—per lb.	14	15
Chickens—dressed	20	21
Turkeys, live	20	23
Eggs—Pa. and Ohio, fresh	18	19

Fruits and Vegetables.

Potatoes—New per bushel	1.75	2.00
Cabbage—per bushel	1.50	1.75
Onions—per barrel	2.25	3.00
Apples—per barrel	3.50	3.75

BALTIMORE.

Flour—Winter Patent	\$4.60	5.20
Wheat—No. 2 red	87	88
Corn—mixed	50	52
Eggs	17	18
Butter—Creamery	19	20

PHILADELPHIA.

Flour—Winter Patent	\$5.15	5.50
Wheat—No. 2 red	87	88
Corn—No. 2 white	48	49
Butter—Creamery, extra	18	19
Eggs—Pensylvania fresh	19	20

NEW YORK.

Flour—Patent	\$5.00	5.50
Wheat—No. 2 red	86	87
Corn—No. 2 white	47	48
Butter—Creamery	17	18
Eggs	18	19

LIVE STOCK.

Union Stock Yards, Pittsburg, Cattle.

Prime heavy, 1450 to 1600 lbs.	\$5.75	5.90
Prime, 1300 to 1400 lbs.	5.50	5.75
Prime, 1200 to 1300 lbs.	5.25	5.50
fat heifers	5.00	5.25
Butcher, 100 to 1200 lbs.	3.85	4.30
Medium to fat	3.00	3.70
Common to fair	2.00	4.00
Cows, common to good fat bulls and cows	2.50	3.50
Milch cows, each	25	30

Hogs.

Prime heavy hogs	\$4.40	5.40
Prime medium weights	5.00	5.60
Best heavy Yorkers and medium	3.60	5.05
Good pigs and light Yorkers	3.65	5.70
Pigs, common to good	4.70	4.85
Knights	4.00	4.40
Slags	3.50	4.35

Sheep.

Extra, medium wethers	\$4.75	4.90
Good to choice	3.75	4.00
Medium	3.00	3.25
Common to fair	2.00	2.50
Spring Lambs	4.00	5.00

Calves.

Veal, extra	4.25	6.00
Veal, good to medium	3.50	4.00
Veal, common heavy	3.00	3.50

Andrew Johnson's Birthplace.
The house in Raleigh, N. C., where President Andrew Johnson was born, has been purchased by the Colonial Dames and will be fitted up as a Presidential museum.

Alcohol Affects Children.
The effects of alcohol are especially seen in the case of mothers among the laboring classes of England; 56 per cent of the offspring of inebriate women die at birth or under two years of age, while in the case of sober women only 26 per cent die.

The Highest Railroad in the World.
Egypt is threatened with a plague of locusts, and the Government has called out the army of forced laborers to combat the pest.

Which Eye is Stronger?

Here is a little test for your eyes that will soon show you which of them is the stronger. Place an object about two inches in diameter on a level with your eyes and move back from it about 10 feet. Then point to it and take sight along the top of your pointing finger until the object and the tip of your finger are exactly in a line with the eye from which you are sighting. Next open the other eye and see if the object seems to have moved from the straight line. If it has not moved to one side apparently, the eye with which you first looked is the stronger, as the addition of the other's vision does not change the focus. If the object seems to have moved it proves that the other eye is the stronger, the difference being measured by the distance that the object appears to have moved.

Pure Water for Soldiers.
British soldiers are provided with boiled water for drinking. The water is first clarified by a kind of rough filtration through charcoal containing a certain amount of potassium permanganate and then "sterilized" either by filtration or by heat, after which it is distributed to the troops by means of water carts reserved for "safe" water only.

Storm Left Nothing.
When a recent storm struck the house of J. N. Scott, of Webb City, Mo., he was not at home. When he arrived at what should have been his home next morning he found that his two-room house had entirely disappeared, and not a trace of it was visible anywhere in the vicinity. His shaving mug and brush, which were in the house at the time of the storm, had been found in a tree two miles away.

FITS permanently cured. No fit or convulsion after first day's use of Dr. Kline's Great Nerve Restorer, 221 Rialto and Treatise free. Dr. R. H. KLINE, Ltd., 331 Arch St., Phila., Pa.

There were 143 cremations at Woking, England, last year, against 275 in 1902.

Pisolo's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. SAZULE, Ocean Grove, N. J., Feb. 17, 1904.

Mosquitoes are killing cattle on the Gulf coast.

The Largest Orchard.
The largest orchard in the world is in Missouri. It is the great Winans orchard, near Marshfield, in Webster county. There are 80,000 apple trees, 10,000 peach trees and 10,000 pear trees. The acreage covered is 1,240. It is estimated that the orchard is now worth \$408,000. There are today in the county 1,060,000 bearing trees.

Working at 92 Years.
The modern belief that a man grows stale at 35 finds no support in the vigorous personality of Rev. Isaac Coker, of Scott county, who has been preaching in the Baptist churches of Southern Indiana for 72 years. He is still actively employed in pulp work, although he is 92 years old.—Indianapolis News.

Germs in Letters.
We are warned by the Lancet (London) not to open letters at the breakfast table. They are usually laden with germs which it is not well to mix with food. The envelope flaps, and stamps that have been moistened by the human tongue may be bristling with contamination.

Hawaii is not side-stepping anything American. One of her legislators has just been sent to jail for bribery.

ACHED IN EVERY BONE.

Chicago Society Woman, Who Was So Sick She Could Not Sleep or Eat, Cured by Doan's Kidney Pills.

Marion Knight, of 23 N. Ashland Ave., Chicago, Orator of the West Side Wednesday Club, says: "This winter when I started to use Doan's Kidney Pills I ached in every bone and had intense pains in the kidney- and pelvic organs. The urine was thick and cloudy, and I could barely get enough to live. I felt a change for the better within a week. The second week I began eating heartily. I began to improve generally, and before seven weeks had passed I was well. I had spent hundreds of dollars for medicine that did not help me, but \$5 worth of Doan's Kidney Pills restored me to perfect health."



A THIAL FLEE—Address Foster-Milburn Co., Buffalo, N. Y. Fur sale by all dealers. Price, 50 cts.

A Rare Gold Coin.
S. H. Powell, of Fulton, Mo., is the owner of a diminutive gold coin which was presented to his grandfather, a soldier in the Revolutionary war, by George Washington, while the latter with his army, was making his celebrated crossing of the Delaware river at Trenton, N. J., in the early morning of December 26, 1776. The coin was minted by Spain in 1720.

Excuse for Home Team.
The real fan is absolutely convinced in his own mind that it's merely hard luck when the home team drops a game. When the other fellows go down, it's an unmistakable sign of a fatal slump in their play.

Stamp Covered Message.
Owing to the stamp on a postcard coming off in his pocket, a Viennese merchant discovered that his friend was carrying on a clandestine correspondence with his wife. Messages were written in a minute hand under the postage stamp on illustrated postcards. He got a divorce.

Growth of Finger Nails.
The nail of a person in good health grows at the rate of about one-sixteenth of an inch each week, but during illness or after an accident or during times of mental depression this growth is not only affected and retarded so far as its length is concerned, but also as regards its thickness.

The Berlin police have arrested restaurant keepers for fraud for having dummy musicians in their orchestras.

B.B.B. BOTANIC BLOOD BALM
A Household Remedy Cures SCROFULA, ULCERS, SALT RHEUM, ECKZEMA, every form of malignant SKIN ERUPTION, besides being a first-class skin tonic, and restoring the system, which is impaired from any cause. It is a Tonic, and its almost supernatural healing properties justify its guaranteeing a cure of all blood diseases, if directions are followed. Price, 25c per bottle, or 6 bottles for \$1.50. FOR SALE BY DRUGGISTS. SENT FREE BOTTLE OF BLOOD BALM, with valuable information. BLOOD BALM CO., ATLANTA, GA.

Best for the Bowels
Cascarets
CANDY CATHARTIC
THEY WORK WHILE YOU SLEEP
GUARANTEED CURE for all bowel troubles, appendicitis, biliousness, bad breath, bad blood, wind on the stomach, bloated bowels, foul mouth, headache, indigestion, pimples, regularly you are sick. Constipation kills more people than all other diseases together. It starts chronic ailments and long years of suffering. No matter what ailment you are afflicted with today, for you will never get well and stay well until you get your bowels moving. Take our advice, start with Cascarets today under absolute guarantee to cure or booklet free. The genuine tablet stamped C. C. Never sold in bulk. Sample and booklet free. Address Sterling Remedy Company, Chicago or New York.

Chickens Earn Money!
If You Know How to Handle Them Properly.
Whether you raise Chickens for fun or profit, you want to do it intelligently and get the best results. The way to do this is to profit by the experience of others. We offer a book telling all you need to know on the subject—a book written by a man who made his living for 25 years in raising Poultry, and in that time necessarily had to experiment and spent much money to learn the best way to conduct the business—for the small sum of 25 cents in postage stamps. It tells you how to Detect and Cure Disease, how to Feed for Eggs, and also for Market, which Fowls to Save for Breeding Purposes and indeed about everything you must know on the subject to make a success.
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