

SCENE IN ORDNANCE FACTORY

greater

tures

by that time.

When the parts are ready they are

gases will leak causing back firing.

Nearly all guns are rifled to give,

GRANDMAS HELD THE FLOOR

Means Had a Monopoly of

Joys of the Tango.

sion Proved That Youth by No

ROM the old-fashioned castiron | Back again to the machine shop it gun feet ern gun with a range reckoned in feet to the great gun of mod-ern times with a range of miles is a far cry, but the regoes, where it is machined to the true size

mits of experiments by scientific men at all nations during the past 100 years have given us today what is carefully fitted together and bound practically perfection in the art of gunmaking. Over 100 years ago guns were cast over 100 years ago guns were cast

in solid iron or a combination of bronze and iron and were always table to explode if overcharged, du mote to explore in the material, but ablefly to the fact that they were sooled from the outside and in consequence when the gun was fired the

inside or bore would expand quickly, tracking the whole piece. A later method was used by which the inside was cooled first and solidi-Lying, was compressed and supported by the contraction of the exterior n it was cooled down

The Built-Up Gun. Still later a system of building up guns was devised whereby each por-tion of the metal was made to bear a fair share of the strain

Nearly all big guns are now made mtirely of steel made by the open earth process. Months are required to build up one

of these guns which are built in sec e., the liner or barrel, the ns i s, i. e., the inter of barret, tets which fit over the liner breech block which closes leckota the



Inspecting Breech Mechanism. ming through which the projectile

The jackets add extra strength to e portion of the gun in which the explosion takes place.

The composition of the metal varies ttle; the greatest care being taken produce a metal free from bubbles After the ingot is cast and cooled it is removed to a large furnace heated by gas or oil, securely bricked in so that very little heat is lost, and sub-jected to a steady fame which grad-ually heats it to the center.

Forced Into a Bar.

pressure of 10,000 tons, where from a great block it is by degrees reduced to a long bar about 60 feet in length and two feet in diameter. This

MONKEYS EASY PREY MIGHT HAVE BEEN A BLUFF

JUNGLE LEOPARDS HAVE NO

TROUBLE GETTING A DINNER.

lere Clicking of Animal's Toeth Frighten Simians Until in Their Excitement They Fall From the Trees.

How the leopards of the low coun-

How the leopards of the low counters, three lamb chops, a fried chick-try jungle of Ceylon capture monkeys en, some sweet potatoes and an order is told by L. S. Woolf in a letter to the London Timës. "Native Singhalese, who knew the sured me that no form of food, except the leopard as the large gray Wan-deroo monkey. I have several times the or monkey that deros from his pocket a large clasp "What kind of a place is that res-taurant up the street?" he asked. "Tain't much of a place," said the proprietor. "Uddp" the the trans. I have a sweet have the leopard as the large gray Wan-deroo monkey. I have several times the street the the street the street the street the street the street the proprietor. ound the remains of monkeys that had obviously furnished the leopard's in there last night, just about like this the caves which serve the one, and what do you suppose that leopards for a lair—and the inside of fellow had the nerve to charge me?" a dead leopard has shown further "I dunno, sah," replied the negro, roof.

"The Singhalese had often told me that leopards do not attempt to climb trees in search of their prey.

"Whenever monkeys see a leopard knocked him down and walked over slinking under the trees they become his stomach. Oh, by the way, how excited and all chatter. As soon as much do I owe you?" the leopard hears this he lies down "About a dime, sah," said the dark-under a bush and begins to click his ey humbly. "Not more'n a dime."

teeth. "This noise seems to fill the monkey with terror and excitement. They huddle together in the tree top The jackets are made and treated in exactly the same manner, with the exception of the oil bath. and chaitering. Below the leopard waits motionless, clicking its teeth, until suddenly one of the monkeys misses its footing and comes to the ground with a thud—and then the leopard is on it in a bound.

"I had always received this infor mation with some doubt until I one Rifting is a system of grooves in the the targedy at the targedy a Rifling is a system of grooves in the day saw, at any rate, the first acts of surface of the bore which gives a ro-the tragedy. I was trayeling in thick tary motion to the projectile which re-volves while passing through the air, gone on in the early afternoon, I was thereby lessening the resistance. A following later in the evening down gun being entirely built is thoroughly the same sandy track. I noticed that polished by hand, the muzzle closed a large leopard had been following with a wooden block, the whole gun shipped to the proving grounds to be game track.

shipped to the proving grounds to be tested by the government. I became If up to the test requirements it is aware of a tremendous chattering of accepted and goes to help make up the armament of one of our modern seafighters. I had a nisse

"After crawling about 150 yards I saw about fifteen to twenty monkeys jumping up and down excitedly on the top of a small tree. They seemed to be looking down at something on the other side of a large bush which was ble, but dance-mad sixteen is comprehensi-ble, but dance-mad sixteen well, that's a different thing altogether. Ing up and down and shireking per-The one is natural, the other—isn't petually and—as it appeared to me-A New York paper describes the re-gesticulating and beckoning to us cent opening of "the newest dancing with their long, thing gray arms. place in the city, the Castle House," "The same thought came to the as a scene of many remarkable feas

scene of many remarkable fea- Singhalese, for he whispered to me:

The older the men and women the lider the dancing. Gray-haired womn n had partners who still had their rst vote to cast, while the pink tea arlety of bald men took debutant en had partners who still had their first vote to cast, while the pink tea variety of baid men took debutante partners in mastering the steps of the Argentina, Hesitation and other dips and trots and tangoes. The older the women, the more daptable their costumes for tango-ing. The gowns were all short, of and many of the snowy-headed wom-en long past sixty had theirs split The plan was to have

next form that will arise, any more than the creative artist determines be-forehand all the thoughts and forms his inventive genus will bring forth, writes, toba Buwmache in the Atlan writes John Burroughs in the Atlan-tic. He has the impulse or the inspiration to do a certain thing, to let himself go in a certain direction, but just the precise form his creation will take is unknown to him as to you and Some stubbornness or obduracy in his material, or some accident of time or place, may make it quite dif-ferent from what he had hoped or vaguely planned. He does not know what thought or incident or character

he is looking for till he has found it, till he has risen above his mental horizon. So far as he is inspired, so far as he is spontaneous, just so far is the world with which he deals plastic and fluid and indeterminate and ready to take any form his medium of expression-words, colors, tones-affords him. He may surprise himself, excel himself; he has surrendered himself to a power beyond the control of his will or knowledge.

Colored Owner of Restaurant, Ho ever, Was Taking No Chances That Particular Evening.

Irwin Cobb. the humorist, was in Chicago recently and left this story "Down in Paducah, two darkies ran rival restaurants on the same street Into one of these places one evening came a six-foot white man, who or-dered and ate with gusto a dozen oys-ters, three lamb chops, a fried chick-

proprietor. "I didn't think it was. I had a meal

"I dunno, sah," replied the negro, timorously eyeing the knife.

"He charged me a quarter. took out my knife and cut off his ears and fiting them in his face. Then I

Busy Days. "Where's the president of this rail-road?" asked the man who called at

the general offices "He's down in Washington, attend-in' th' session o' some kind uv an in-vestigatin' committee," replied the of-fice hey.

fice boy. "Where is the general manager." "He's appearin' before th' interstate commerce commission."

"Well, where's the general superin-tendent?" "He's at th' meetin' of th' legisla-

ture, fightin' some bum new law." "Where is the head of the legal department?' "He's in court, tryin' a suit."

"Then where is the general passer er agent?" "He's explainin' to th' commercial

travelers why he can't reduce th' fare.'

"Where is the general freight "He's gone out in th' country t' at-

tend a meeting o' th' grange an' tell th' farmers why we ain't got no freight cars."

"Who's running the blame railroad, anyway?

"The newspapers and th' legislatures."

Activities of Women.

Miss Helen Taft, daughter of former President Taft has gone back to Bryn Mawr college to take a special course. The first flag to fly through the Pan-ama canal will be that of the Daughters of the American Revolution. Premier McBride of British Colum-

bia has refused the request of the suffragists that they be given the fran-chise. Mrs. Clara Larrson has been elected

mayor of Troutville, Ore., by five votes over the man who opposed her. In the United States there are three times as many native-born women as all the foreign-born men and women

put together. Women taxpapers of Montana have had the right to vote on questions sub

mitted to tarpayers since 1887. Lady Beauchamp, as the wife of the first commissioner of works in Eng-land, spends \$40,000 annually in enter-

Mrs. Charles Gale of Eureka, Cal., has been appointed on the board of trustees of the new State Normal school.

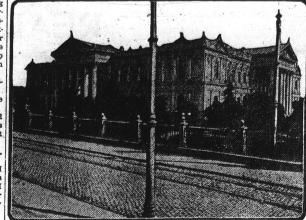
Wiser Than They Seemed.

Wiser inan iney seemed. Boys, like things, are not always what they seem. A school inspector having been told that a certain class was very dull, decided to test them himself. Asking the lads to give him number. Asaing the last to give num a number, and one of them calling out "Seventy-two," he wrote on the black-board "27." No remark coming from the class, he asked for another num-ber and was given "forty-eight." This he wrote on the board "84," and user of the observe any signe of "1stall turned to observe any signs of intelli-

"Certainly a very dull lot," he thought, and once more asked one of them to give him a number. Then came a raucous young voice:

"Thirty-three. Nah let's see if yer can muck abaht with that!"—London Chronicle.





CAPITOL AT SANTLAGO

other reason why the port facilities should be modernized. HE bride-elect is the preface to

some concluding observations on the canal. She was petite pretty and plucky. Her trip also had some significance in relation to American industrial enterprises in the west coast countries. Sh came all the way from New York When she left the steamer a Valparaiso she was not alone, and hundred kindly eyes followed the pair A few hours later I saw them in the American consulate. The civil cere mony had been concluded in accord ance with the Chilian laws, and religious ceremony had follow Nominally three months' residence and th required in Valparaiso for foreigner bent upon matrimony, but when some official representative of their govern ment is ready to vouch for their citil senship the Chillan officials are con siderate and the formal require

are waived. So it happened that in this case, with the aid of the consul, a few hours after the arrival of the bride-to-be she was able to leave for the mines with her American husband, writes C. M. Pepper in the New York Tribur

With nearly every steamer that comes in from Panama a similar pro-cedure is enacted. The American mining investments brought down a good had

many young Americans. Some had wives to fetch along. Others left sweet hearts behind them, and the sweet hearts now seem to be following in a regular procession. They are the vis regular procession. They are the va-tible evidences of the part that Ameri-can capital is taking in giving fresh life to Chill's mineral industries. By-erybody now assumes that in the fu-ture the number of Americans coming to Chili will grow larger.

Canal Prophecies

The matter of the Valparaiso harb improvements is another aspect of the American influence in Chill. This coun try originally did not look with favor on United States. There was a political phase of the matter which need not now be revamped. There was also the economic phase, which was more seri-

Chili, or a good many Chilians, real-ly believed that the canal would have an adverse effect on the commerce of the country and would seriously divert trade. Punta Arenas, the metropolis trade. Punta Arenas, the metropolis of the Strait of Magellan, was then a free port, and benefited by its position at the uttermost end of the continent. It served the vessels from Europe and the United States which came up to this coast, as well as those on the route to Australia and New Zealand and other parts of the world. The as-sumption was that all this shipping would cease. Reflection changed this pessimistic

Reflection changed this pessimistic Reflection changed this pessimistic opinion somewhat, especially when it was realized that after the canal was opened many of the steamsfip com-panies would send their ships through the canal and back by way of the strait, or vice versa. Yet there is expected to be some loss of the Aus-tralian traffic, and while Punta Arenas will not diminish in commercial importance, it can hardly expect to grow. This possibly is the reason why the Chilian government a year or two ago

Valparalso as a city is more than one hundred years old, but as a harbor it did not show anything like a century of improvements. The natural condi-tions are all bad. The number of lives that have been lost, the ships that have gone down and the valuable car-goes that have been sacrificed in the terrific storms that are sometimes en-countered, would make a formidable total, but the figures do not need to be

total, part the neurons do not need to be added up now. As to the preparedness of the United States to take advantage of the canal facilities on the west coast, after tra-versing it all the way down, my judg-ment is that there is no lack of addquate preparation. Possibly some re-sults of overbooming still exist, and there are manufacturers and exporter in the United States who think that the 12,000,000 people who inhabit the west coast countries are going to double or treble their trade in a year, just because the canal is opened. But these golden visions are vanishing the situation is studied in the light of actual conditions. The whole propo tion is an economic one, and studied from the economic point of view there is the basis for a normal and healthy growth of trade, but not a phenomenal

AS BOY SAW GREAT WRITER

Brilliant English Author Likened by want American to Our Own Horace Greeley.

In his new book, "In Thackeray's London," F. Hopkinson Smith says: "The first and only time I saw him (Thackeray) was in Baltimore when I was seventeen years old. "He and Mr. John P. Kennedy, a

friend of my father, strolled one Sat

internation of my industry, subject the Mercantile library, where we boys were reading. "Look!' came from a tangle of legs and arms bunched up in an adjoining easy chair, that's the Mr. Thackeray who is lecturing here."

"My glance followed a directing finger and rested on a tall, rather un-graceful figure topped by a massive head framed about by a fringe of whit "My ish hair, short fuzzy whiskers, crump-ly collar and black stock. Out of a Is nair, and black stock. Out of a pink face peered two sharp inquiring eyes, these framed again by the dark rims of a pair of heavy spectacles, which, from my point of sight, be came two distinct dots in the round of the same pink face. The portrait of Horace Greeley widely published during his presidential campaign— the one all throat whiskers and spectacles—has always recalled to my mind this flesh glimpse of the great author whom I afterward learned to revere."

Primrose League

Primose League. The "Primose League" was formed in 1884, in memory of the late Lord Beaconsfield, whose favorite. flower the primrose is thought to have been. Beaconsfield died on April 19, 1881; and the anniversary of that day is termed "primrose day," when the flowtermed primites day, when the back or is generally worn by his admitrers and also placed upon his statue in Parliament square. The joke of it is, the primrose was not the great states-man's favorite flower. It was, how ever, the favorite flower of Queen Vic-toria, and when asked about the floral

plan was to have a place where young girls could go unchap-eroned in the afternoon, but most of the young folk who arrived after five had to enjoy the sport from the side lines. Their mammas, aunts and grandmothers had the center of the floor and all the available young men Lottery Romances. Lottery tickets, such as that which has just won a Staffordshire miner a prize of £46,000, have always brought

prize of £46,000, have always brought romance. A few years since the draw-ing of the annual Christmas lottery at Madrid brought a poor mechanic £20,000, and on the same occasion a crossing sweeper won £8,000 with a ticket given him by an old lady for assisting her across a busy thorough-fare. Equally romantic was the ex-perience of a poor shopkeeper, a widow, in a Berlin suburb. One day a shabbily-dressed man entered her shop and, begging permission to light

	aow known, goes to the wood anneal- ing, where it is given a bath of fire entirely of wood, and brought quickly to a high temperature. This temperature is held some time after which the forging cools slowly in air. The forging next goes to the ma- chine shop, where it is placed upon a lathe and receives its first rough ma- chining over the outside. It is then bored to the proper size on a boring lathe. The boring is a matter of weeks and the boring bar once start- ed requires little attention other than the changing of the cutters on the end, water running through the bar flushes out the chips and keeps the eatters from heating. When bored the forging is known as a liner and removed to the oll an- mealing shop, where it is slood up- right in a furnace and made hot with of flames. While hot it is slowly low- ered into a pit of oil and showed to cool.	shop and, begging permission to light his pipe at the gas jet, produced a piece of paper, which he used as a spill and then threw, half charred, on the floor. When sweeping, the shop the widow, picking up the spill, found it to be a lottery ticket. A few weeks after it won her £10,000.—London Chronicle. Dog Ghost Revealed Secret. The most extraordinary of dog ghosts was the Dog of Manse. It was a dog shost, but not the ghost of a dog. According to the account given to Bishop Rattray by William Soutar, the Perthshire man who saw it in 1728-30, it first appeared vaguely as something like a screeching for, which dogs refused to chase. Next time it remained painful all night. After sew eral such appearances the phantom dog took to speaking, and confessed tiself to be David Soutar, who had killed a man 35 years before and now appeared as a dog because a dog has been with him when he did it. Human bones were found buried under a busi	to a power beyond the control of his will or knowledge. Where "Stogle" Came From. "Ever know how the word 'stogles' came into use?" asked Robert Simp- son, a newspaper man of Pittsburgh, to a little party of his colleagues at the New Willard. No one in the group of writers did, whereupon Mr. Simpson proceeded: "It presume there are more stogles smoked in the mid- dle west than any other form of to- bacco. In fact, stogles are becoming popular the world over, and there are many who like them better than the best cigar. A long time ago I was in a Pennsylvania lumber district, and the timber was transported to mar- ket by means of teams. The team- sters in most instances had a long haul, and ordinarily would take a whole day to reach their destination, which was Consetoga. Instead of tak- ing along a pipe, the teamsters would lay in a supply of Pennsylvania to bacco, and as they drove along, with one hand would roll it into shape for amolding. These rolls came to be.	Love Your Work. Do not look on your work as a dull duty. If you choose you can make it interesting. Throw your heart into it, master its meaning, trace out the causes and previous, history, consider it in all its bearings, think how many even the humblest labor may benefit, and there is scarcely one of our dutles which we may not look to with en- thusiasm. You will get to love your work, and if you do it with delight you will do it with ease. Even if at first you find this impossible, if for a time it seems mere drudgery, this may be just what you require; it may be good like mountain air to brace up your character. Preparing for His Finish. "I understand that young Bobbles has been going a fast pace about torn." "Yes. I'm afraid his father doesn't fintend to put uf with him much long- er."	took away its privilege as a free port and established a custom house in the strait. This southern toe of Chill is very far from being in a position to affect the whole country when it loses a little of its circulation. Valparaiso. Harbor. The commerce of Chill centers at Yalparaiso. After it became certain that the canal would be built, the Chil- ian men of trade and some of the men of affairs began to study the question, and decided that Valpariso was not contside the radius of the canal. If it had been, there would have been addi- tional reasons for providing it with better shipping facilities, in order to hold its commerce against the canal competition. But the same view was taken—the shipping facilities should be strengthened, both to get the fullest. benefit of the canal and in order to off- set such incidental loss in the workfar, commerce as might occur through the tendency of shipping a laways to seek good harbors.	Mrs. Twaddles Wonders. "I have always wondered," philoso- phized Mrs. Twaddles, "how a horse feels. Now don't interrupt with some silly remark; I am in earnest. A horse hann't any idea what is going to hap- pen to him when he is bitched up. He doesn't know how far he is going, or what he is going for. To be driven hither and thikker, bindly, seemingly without purpose, with no idea what it's all about or when it will be over how must the goor creature feed - what must be think about it all?" "T suppose," answered Mr. Twaddles, wearily, "hat he must feed just as F do when you take me on a shopping trip with you."	
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