The Modern Way of Making Shot

A NEW and unusual interest is at present being taken in the manufacture of the shot taken at the Hague peace convention by certain of the powers in two matters. Engineers school in opinion as to the advantage of the new shot, lead and Cochran Mitchell's efficiency of the engineers who had been assured prior recently as to how the enhanced value and efficiency of the new shot was made and wherein they differed from the more ordinary leaden implements of death.

The first point, on account of having no rivet spots either cut or flat or prominent spots, as once "made" the shot of the India in the crucible, and as the lead rapid shots drop away it is rounded by fresh infusion.

The shot is then removed from the water tanks below and carefully dried, after which it goes through the process of sifting. A certain small proportion of the shot is always imperfectly formed, and to separate the grain from the chaff, as it were, or rather the chaff from the wheat, it is put through a set of alternative dropping machines. It is then placed in long horizontal cylinders revolving on machinery, and known by different sizes here. According to the holes from which it issues the shot drop out, are separated according, after this is done, to revolving barrels, the long continued tinning, scuffing away the original grooves, and leaving it a glossy finish. It is then done up in shot cases ready for shipment.

FORCING OUT THE MOLTEN LEAD FROM THE TOP OF TOWER.

MAKING SHOT HAGS.

SIFTING THE SHOT.

A Famous Diamond.

Sometimes has written a thrilling story of the abduction of a diamond, but there is a story to equal anyone which is supposed to be unlike in such romance as the brilliant gem of the world's record. This is the famous blue diamond known as the Blue Diamond, in your Hope. Lord Francis Hope the third for memorial purchased of the one time American girl.

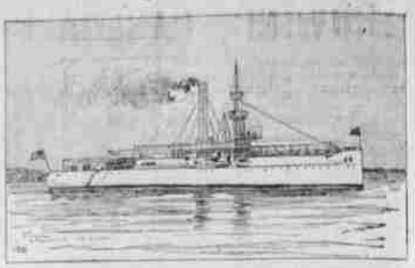
Mrs Tyler, wanted to sell this lovely stone, but her brother, the Duke of Newcastle, and his sisters objected. The English law comes in the end and behold the stone in the collection of having an old family gem fall under the hammer. The Hope stone was the first blue diamond that came into Europe and is the most weighed independent. It was brought from India and was sold to Louis XIV, for whom it was cut and polished. During the troubles of revolutionary Paris the stone mysteriously disappeared and remained lost for 40 years. When again found it had been recut, and after a number of strange adventures it was purchased by certain diamond merchants of Amsterdam for the sum of $9,000. Later it passed into the Hope family and has since remained with them.

A Peculiar Belfry.

It is not a common thing to see a church bell hanging in a tree, but such is one that was recently photographed

in a churchyard in Ontario. When the church was built there was no belfry provided for the bell so it was hung on the branch of a large walnut tree and such further use the faithful to worship.

The Wilmington's Wonderful Cruise.



That staunch little gunboat, the Wilmington, which is now engaged on an exploration expedition up the Amazon river, has already accomplished the remarkable feat of passing 1,200 miles into the almost unknown interior of South America. At Manaos the arrival of the American gunboat produced a sensation of amazed, the people of that place having never before seen a man-of-war. They thought it impossible, in fact, for such a ship to advance 1,200 miles up the Amazon. Beyond this, however, the Wilmington has met with little opposition. She has crossed up the Bolivian river as far as Iquitos, and from this has gone almost as far inland as the Cordilleras, a distance only a few hundred miles from the Pacific. This gunboat was designed especially for river service, and has a speed of over 13 knots an hour. She is slightly over 205 feet in length and has a draft of only 8 feet. Her machinery consists of triple expansion with screw engines and she is provided with a large military mast rigged up with running lights and a powerful searchlight.

A New French Coin.

The new gold coin which has just been issued from the mint of France is said to be one of the most beautiful ever designed. The face of the coin, as shown in the illustration, is the head of the goddess of the republic, FRANCE of France, with the motto, "Liberte, Egalite, Fraternite" on the reverse shows a very artistic design, surrounded with inlaid work. The designer, who spent the result of three years' work on the coin, is M. Chaplain, the chief engraver of the mint, and his coin is known as the Louis d'Or.

Algeria is the only country in the world where the house calendar the human bodies.

A Group of Tagalese Warriors.

Whatever may be the final outcome of the Philippine islands problem, one thing is certain, and that is that the Filipino will never again be what he was before the outbreak of hostilities against the American troops. The Filipino has already learned that the days of spears and bolos are gone, and it is not unlikely to believe he will be just as proficient in picking up the arts of peace. He has taught with astonishing rapidity the white man's methods of drilling and campaigning, has made himself an adept in the handling of the rifle and has displayed a desire to be more Americanized as much as possible, especially in his methods of fighting.

The old fashioned naked warriors, wielding the bolo and the pointed spears of the Tagalese, are already a thing of the past, and such scenes as the photographs on the accompanying illustration will soon become a rare sight indeed in the Philippines.

A New Bust of Dumas.

What is being called the best bust of Alexandre Dumas now in existence has just recently been unveiled in London. As will be seen from our reproduction of

it the artist has pictured the great French author in his inspired mood. Miniatures of this bust in gold are popular as watch charms.

Where Silence Reigns Supreme.

Imagine, if possible, spending nearly all the years of one's life without speaking. It seems scarcely so far the young women who aspire to the almost the conventional opportunities of the sexes. They would probably regard as a little too fine fetters the body of man who voluntarily take the vow of eternal silence. The Trappist monks who do this have some most remarkable rules and secret rules. They not only never speak when absolutely necessary, but they eat only vegetables and fruits and drink only water. Most of their food is raised on the lands belonging to the order. They do all their own work. It is the custom for them to arise about 2 o'clock in the morning and go to the fields to labor. Their beds are the hard, comfortable cots found in well kept houses, but consist of boards without covering. Their only words are prayer chants and prayers with occasional reliquary readings and such words as are demanded in the performance of duty. They do not take vows of silence, however, welcoming their guests with absolute penitentiaries and providing them with the fish foods which they themselves never taste. It is a somewhat somewhat unusual thing for the abbot. They are not permitted to convert among themselves for his abbot. They are to be found in large numbers throughout France, and there is now a colony of them in Quebec.

The Costliest Dog In the World.

Lady Decklinel is not a very attractive looking animal from the purely artistic standpoint, but along her own particular line of beauty she is so fastidious that she has just brought her cover £5,000 in gold coin. In her own country the breed of bulldog found and are expert in canine affairs will at once see from her picture that her fastidious ears, her well formed skull and her fine cow legs make her a paragon of beauty, from, of course, her own particular standpoint. Nevertheless, in spite of her fastidiousness she is sensitive and some resented, and by some critics is considered the best living type of her breed.

A Boundary Line of Bamboo.

The bamboo palisade which stretches north of the city of Kowloon is perhaps the most important fence in the world because of the fact that it marks the limits of British territory in central China. By the treaty of 1898 China ceded to Great Britain certain territory just north of British Kowloon, to be held as long as China is allowed to hold Port Arthur. The line of bamboo shown in the illustration bars the line of the new boundary. Kowloon city itself, which can be seen in the distance, is worthy of notice as being the first Chinese walled city on a British possession. The town is situated at the head of a shallow bay, a little to the northwest of Hong Kong, where are located the docks and workshops of several big English business firms.

The Religion of Real Work

It is a theory of Mr. Booth-Tucker, the distinguished Salvation Army leader, that nine-tenths of the miserable people of this country who are rolling in real good unemployed centers would be actually born again under the influence of pure air, perfect freedom, systematic labor and a prospect of ultimately owning something of their own. If the $10,000,000 which is spent every year for merely temporary relief, says Mr. Booth-Tucker, were spent in enabling people to work for themselves under the most favorable circumstances, the greatest temporary movement of the age would be put in progress.

It was a year ago that this practical sociologist propounded his novel theory. Not satisfied with that, he has put it to the test. He picked out a piece of land, in sections in extent, near the boundary line between Colorado and Kansas, and on this bare, treeless, cyclone-swept tract, with the aid of the Salvation Army, started his colony. The land was bought for $12.50 per acre, with 11 years' time for payment. The colony of 20 families, or 100 persons, has built houses, established stores, for it stops, created a church and schoolhouse and is generally contributed, happy and prosperous. The one who is responsible for this is Mr. Booth-Tucker. The accompanying picture shows that humanitarian at work in his private office, a modest little place, where, by the way, the destinies of many a man are controlled.

Where King Charles Once Hid.

The old town of Brighton, in England, is about to lose one of its most notable landmarks. The house known known as "The King's Road" is soon to be torn down to make room for a new hotel. It was in this old inn that King Charles II did himself not after the battle of Worcester, pursued by his enemies. Here he was in the habit of meeting the Duke of Ormond, who had his "Secret Messenger" at that time was very lady Brighton and was for him. Charles passed a number and various days in one of the little rooms of the "King's Road" with Ormond and at 4 in the morning, after the Prince of the good old Duke Berwick Fleet. This old inn is also associated with the name of Dr. Russell, with the "Invention of Mineral Water" was sold to visit the town of Brighton during the summer months.

A Remarkable Friendship.

It is not often that a guinea pig and a kitten are disposed to huddle together, but here is a picture of a pair

of these little animals taken from a photograph, showing that under favorable circumstances strange are struck up between such widely different animals. The kitten and the guinea pig and kitten are never happier than when cuddled about the other, and each seems to have a great affection for the other.

WIDOWS IN CHINA.

According to the laws of good society in China young widows should not remarry. Widowhood is therefore held in the highest esteem, and the other the widow grows the more favorable her position becomes. Should she reach 60 years, she may be acquitted by the emperor, and a man of honor with which to hold a place on which her virtues are stamped. The tablet is placed over the door of the principal entrance to her house.

The Bicycle In Warfare.

The practical use to which the bicycle can be put in actual warfare have just been demonstrated in experiments carried out recently in Belgium. These experiments were made by the Twenty-seventh Mounted Rifles with extraordinarily satisfactory results. The manner, for instance, in which the wheelmen could be carried on bicycle saddles is shown in the accompanying illustration.

Ceylon Footwear.

Here is a curious showing how the ladies of Ceylon sometimes adorn their feet with jewels. Shoes are not a very acceptable thing in this

warm Asiatic climate, and it is no more a matter of moment to see a Ceylon beauty's foot dressed out with jewels than it is to behold one of our own American women wearing a wealth of jewelry upon her fingers.

The Bogy Making Fad.

To be fashionable means to have fads. The latest freak of capricious fashion is the mania for "bogy men." These outlandish little ornaments are being made by women for watch charms and desk ornaments, and all sorts of odds and ends are being utilized as material for making them. The accompanying illustration will give a good idea of the general character of fashionable bogies and hobgoblins. Of teeth, cat skulls, owl skins, chicken bones and all such things are used to carve the figures from, and some of them are indeed ideal examples of the grotesque in art.

JUST SMALL ITEMS.

Judge Barrett Tripp of Rapid City, Dak., has for the past one hard, but there lots. American minister of the Samoan commission, is a tall, raw-boned Dakotan, with gray hair and moustache and a face full of good humor.

Mr. James Whitcomb Riley always sends his copy to the editors some on in the neatest fashion. It is always write

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