Interesting Trial of the 100-Ton Gun.

On Monday afternoon the 100-tun gun and On Monday afternoon the 100-tun gun and the model emplacement in which it is mounted at the proof butts in the Government marshes adjoining the Royal Arsenal, Woolwich, where the objects of experiment, and the novelty as well as the importance of the occasion created considerable interest, as was manifested by the large number of officers and other visitors present. It was explained that the four 100-ton guns purchased of Sir William Armstrong some two years since are to be mounted on the defences of Malta and Gibralter, and that as it has been since are to be mounted on the defences of Malta and Gibralter, and that as it has been considered desirable to load them by hydraulic machinary, this experiment had been proposed in the hope of gaining some experience before proceeding extensively in permanent proparations. Elevated as the gun was, and pointed over the glacis of the parapot, it presented a most commanding aspect, and has probably never appeared to such advantage. More than 34 teet long, with the diameter at the breech of 6 feet 6 mechas, tangenny gradually off to 2 feet 6 with the diameter at the breech of 6 feet 6 inches, tapering gradually off to 2 feet 6 inches at the muzzle, it had a more slender and less sturdy outline than that of the natural system of heavy ordnance, but its admirers praised it as the combination of strength and elegance, and claimed for it the advantages due to the saving of weight and met 1. Size and weight appeared of no consideration at all when a lever was touched and the hulky breach rose and fell as the od, and the bulky breach rose and fell as the muzzle was clevated or depressed with no more apparent effort than a 9-pounder requires at the hand of a gunner; and the admirable adjustment of the machinery admirable adjustment of the machinery when the whole mass swept grandly round to the opposite point of the compass was unanimously confessed. Then the order was given to load. A small elongated carriage or cradle stood or a miniature railway close at hand, and upon this were placed two cartridges and the shot. The charge was 425 lbs. of pebble powder, and it was made up into two cartridges for convenience of cartings. The style per through both and just into two cartridges for convenience of car-riage; but a tube ran through both and just at the point of communication a small primer of small grain powder had been in-serted for the purpose of igniting the charge in the centre. The prejectile was a huge bolt 17½ inches ir diameter, and nearly 3 feet long, its weight being, with the gas check attached, 2,020 lbs., or nearly a ton. The cradle with its burden ran slong the rails, and entered an iron turret about 12 feet in breadth. One side was an open fort, to which the muzzle of the gun en the outside descended. On a turn-table in the centre of the apartment the cradle revolved bringing the charge close up to the muzzle of the gun, when out from the other side rose the head of the rammer and drove car-tridges and shot into the mouth, and rammed them well home. The rammer, which was a 6-inch piston 54 feet in length, is moved by hydraulic rams with a 4-feet stroke and multiplying gear, and it desconds through a tube into the earth. The monster gun, as soon as it was loaded, was clevated clear of soon as it was loaded, was elevated clear of the parapet, and was trained about 15 de-grees to the left, which brought it exactly opposite to one of the sand bags at the butts, the act of moving the gun at the same time automatically closing the iron door of the loading port, which is in like manner opened by the return motion. The gun is to be fired through the axial vent, and the electric wire is passed through an arrangement of copper discs which have been contrived with has long desired object of effectually clasing copper dises which have been contrived with the long desired object of effectually closing the vent and saving the evil consequences which arise from the escape of powder gases. The spectators withdraw to a safe distance, and after an interval of suspense an appalling roar, which makes the earth vibrate, is ing roar, which makes the earth vibrate, is heard and deadens the senses for a time, and the enormous gun is observed calmly sliding down from the recoil amid a cloud of smoke, dirt, and debrus. The first anxiety was to examine the structure, and the in spection was perfectly satisfactory, for nothing whatever had suffered from the discharge and the durabulty of congrete exem charge, and the durability of concrete even for real fortifications had become a subject for consideration. In this work upwards of 3000 tons of concrete has been used, about half of which is below and half above the ground, the lower half being compounded of cement and Thames ballast, and the upper half of cement and furnace slag. The latter was prepared with great labour, owing to the difficulty of crushing the refuse metal, and it is believed that it would stand a fair cannonading as well as the famous Gozo cor-alino with which the Maltezo works are constructed. The hydraulic lever at the Mediterranean ports will be furnished with an arrangement similar to that used in Monday's experiments an accumulation weight-

ed up to 67 tons, with a 16-inch raw and an 8-foot stroke. This can be raised by asteam sapper, of traction engine, in one minute, or forty men can pump it up by hand in seven minutes. The one round fired on Monday, is but the first in a series of experiments of a similar character, and it will be some time before the gun leaves Woolwich for its final destination in one of the Mediterranean fortreases. tresses. - Temes.

The Cabul Mint.

HOW APGRAN MONEY IS MADE-ENGLISH RUPEES RECOINED.

[Cabul Letter to the London Times.]

Let me now describe the process through which the English rupees at present pass to bring them out from the Cabul mint in the bring them out from the Cabul mint in the shape of Cabuleo rupees. In one of the rude sheds which I have described as, running round the court-yard, are two rows of small, round clay hearths, clevated an inch or two above the floor, and depressed, like a plate, in the middle. A pile of rupees—generally 300 is added to the furnace. The lead, in combination with the bone ashes, lead, in combination with the bone ashes, separates, as is well known, the alloy. This first protess converts the rupees into a dull, unsightly mass of silver, free, or nearly so, from alloy. The pure silver thus extracted is then carried to another shed, carefully weighed, and an amount of English rupees equal to its weight added to it. Rupees and silver are then melted together in a clay crucible, and the melted mixture is then silver are then melted together in a clay crucible, and the melted mixture is then ladled by hand into molds, which give it the shape of flattened bars about twelve inches long. These bars are then taken to a third shed, to be annealed by hammering, and given the form of slender, round rods. The next process is that of drawing these rods through as plate of iron parafected with through a plate of iron, perforated with round holes, to give them a uniform circum-ference. This is done by means of a rude hand-wheel, after which the rods are cut by hammer and chisol into the lengths requisite to form the future rupec, each of which lengths is carefully weighed in a pair of scales. Any that are too heavy are handed to a workman whose business it is to slice off a fragment with his chisel; any that, on the contrary, are too light are handed to another workman, who notches the little cylinder by a blow on his chisel, and inserts the required fragment into the notch. The cylinders are next carried to a fifth shed, and, after gently heating, are hammered into small, round disks, which have a yellowish-white colour. To remove this colour and give them brightness they are next plunged into a caldren of boiling water, in which they are boiled for some time along with a pricet fruit and salt. This process imparts brightness to the dull disks of silver, and they are then ready for the last process they have to go through, that of stamping. This is, perhaps, the most inter-eating part of the operation. Two operators sit facing one another, half naked, on the ground, with a little iron anvil between them. Into the face of the anvil is inserted a steel stamp, destined to give the impression which the under side of the rupce will bear. One operator places the little silver disks with great quickness and accuracy upon the stamp, and the other, who is armed with a heavy hammer in his right hand, ed with a heavy nammer in his right hand, and a steel stamp bearing the inscription destined for the upper side of the rappe in his left, with one heavy, well-delivered blow, impresses the device on the soft lump of silver. Lastly, each rupee thus stamped is again weighed, and deliciencies in weight made up by the same rude process.

Settling in England.

(From the Parisian.)

It is announced that the ex-Empress Eu-It is announced that the ex-Empress Eugenie has just bought the Farnborough Hill estate, in Hampshire, close to the borders of the county of Surrey, for £50,000. The estate was the property of the late Mr. Longman, the well-known publisher, and consists of about 257 acres, with a charmingly picturssque mansion, erected, by the late owner eighteen years ago. The ex-Empress will not go into possession of it until January, as Mrs. Longman, the widow, is very anxious Mrs. Longman, the widow, is very anxious to spend another Christmas there. A memorial chapel will be built to receive the bodies of the Emperer and the Prince Impo-rial. The lease of Camden Place expires in

An Oregon ranchman throw a lasso clumsily, and the nose fell around his own neck.

Just then the horse unseated him, and, one end of the rope being fast to the saddle, he was choked to death.

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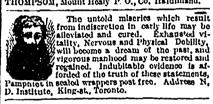
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