ther they found the coal around the lurnace Was in a complete state of ignition. coal and woodwork in the neeast shaft had taken fire, and the flames were raging for rously. He could compare it to nothing but a river of molten lead being poured down the shift. They proceeded 200 or 250 yards along the with level, and found the whole of the furnace down, and the coal on fire. They proceeded up the levels and boardgates as far as they dated to venture, noted they came in contact with the inflammable gas, and were obliged to retreat .-They returned to the shaft, and then made un examination of the north levels, along which they proceeded for a distance of 400 vards, up to the lourth bourdgate. During the investigation they found many dead bodies, and the men who accompanied them brought the tenning to the shaft. One man was found close to the bottom of the shalt. further on they found ten bodies in a mass. Not far from the furnace it was supposed that a large number of bodies were lying, is the men generally congregated near the fice at dinner time. The lurrace was blown down, and the stables (containing six horses) were on fire. When they got near the upeast shalt they saw immense masses of coal and rock falling down. The shaft was like a furnace. They were in the pit above The stoppages and brattices two hours. between the two shalls were completely blown away, and therefore, except in the level, the pit was dead, i e, tull of bad air. They would have succeeded in putting up stoppages, but the fire increased to such an exient that they were obliged to retreat.— They were so placed that if they had not retreated they would have been excluded from the air and huffocated, because the air was backing? direct from one shaft to the other. Himself: Mr. Coe, and Mr. Maddison ascended the shaft and held a consultation, but their companions ascended in haste, saying that it was impossible for any one to remain down any longer. Of course they then considered it their duty to acquaint the owners with the condition of the mine, and to state that it was imperative to close the shafts, as there was no probability of saving and more lives ; and that it was the only chance to render the pit in a condition fit for working it again. Mr. Webster added—My companions and myself, feeling the awful responsibility which rested upon our heads, thought it was only pru-dent to consult with the men who had gone flown with us. They were called in separately, and asked if they were of opinion that it was impossible to get any more bu-dies out of the mine. They concurred in the opinion that it was impossible, and we acted upon their resolution and our own by covering over the tops of the pits. In a few minutes after we came out of the mine, the cupola shaft was filled with fire, which reached 50 yards above the summit, and the sparks from that body of flame ascended 100 yards higher.

THE CORONER'S INQUEST.

On Monday, the jury, to inquire into the deaths of the 170 persons killed by this explosion, was empanelled by the Coroner, Mr. Thomas Hadger. The poor fellow into whose death the jury first sai to inquire, was Abraham Turner, about 20 years of age, who lived with his without mother near the old factory, at Watn. Abraham was single, and was the chief support of his mother. The other son, named Stephen, was married and lived at Hemingfield.— This son is now among the dead in the pit, and has left, beside his mother, a wife and whether it is that men employed, as they the projectile is formed of zinc or iron for two obtains as assume his loss, and it is ex- have been, more actively than most others the protection of its figure, and presents in

gate for the fire-damp which fired in my new ideas. lamp. I returned into the level, and there These ret met with another dead body. I did not recognize either of them. Further on in the south level I found a third and fourth body; after which I returned to the shaft, thinking it was not prudent to go further by myself. I had gone 70 or 80 yards. I went to the cupola and found the fire burning about 25 yaids each way, and on seeing it, I went and told the other persons the furnace would fall in; indeed, I saw the arches of the finnace, and some masses of burning coal, fall is described as " single-barrelled, 30 inches down the side of the drift leading to the far- long, 24 inches gauge, four-grooved, grooves nace. I expected that if we remained we to take one complete turn in 36 inches of should all be killed, and the other men were of the same opinion. I saw the stables on fire. We could not get to both the ends of the stables, for the gas fired in the lumps about 20 yards up the northboard. We went up every board, both north and south, as far as we could get. We found inflammable gas up every board.

The Coroner-Can you form any opinion as to the cause of the accident ?

I cannot form any, unless it be that some trapper had left a door open in one of the boards. This is a mere supposition, I can-not indicate any particular direction where I suppose a door was left open.

RIFLE AND ARTILLERY IMPROVE-MENTS IN INDIA.

BY AN OFFICER OF THE ROYAL ARTICLERY.

The officers of the Indian army, equal as they most undoubtedly are to any others in the world in practical expenence, have not made themselves so generally conspicuous in Europe as might on the first view of the case appear reasonable to expect, in any scientific alterations or improvements in ly has this form been attained, that the bul-professional subjects. Whether it is that let or sheir can be driven to the same dis-India or the Company do not afford the fa-cilities more or less required by genius for the development of its conceptions, or different shapes now in use. The head of

pected that she will be confined again in the practical duties of their profession shortly. William Coldbridge of Lund Hill, have no time to give to alterations which one of the firemen at the colliery, described their position does not render very urthe manner in which he had got the decea- gent, most certain it is that improvements sed out of the pit. He then said that on the more frequently go from the west to the morning of the accident he found all the east, than in an opposite direction. Nor is places he visited in good working order.— there anything disparaging, as may at first He could not form any opinion as to what appear, to the Indian army in this being the was the cause of the fearful explosion. It case. Second to none as it is in its perses supposed that there are now over 160 formances in the field against the enemy, persons in the pit. The pit was worked and in the brilliancy of the services it has with naked candles in some parts, and Da- rendered to the country, it is more than vy lamps were necessary; generally can- probable that circumstances do not give it dies were used. He and all the other men that fair field which might be wished from thought it quite safe to use them. He or-the eminence of some of its members, for dered Davy lamps to be used where he advancing ideas on subjects of military im-thought them necessary. John Warhurst, provement. The great distance from home fireman, said: I was at home when the ex- at which it is situated, and the inferiority plosion occurred. I went there immediate- (perhaps not always so great as is imagin-ly afterwards. I found the chair for the ed) in the armies usually opposed to it, may stoves was blown up into the headgear.— have some influence; or it may be, and this Power was applied to remove it, but without most likely is the real obstacle, that the success, and the tope was cut as quicklys East India Company have no interest in possible. We got into the pit as soon as we innovations, however advantageous they could; it was about half-past four o'clock. may appear to be, especially if they create 1. Joseph Cor, and William Brevers, were expense, which it is the nature of every the first to descend. We heard men at the important change more or less to do. They bottom screaming for assistance. We found may, not unreasonably, consider that if they a number of men emgregated at the bottom march along with, without going or atand sent them out as soon as possible. I tempting to go ahead of want is considered left a man named Hammerton, assisting to to suffice for the wants of Eurpean warfare, get the mea out and proceeded to look such a position is as much as they need round. On reaching the capela (up-cast care to maintain. Individual enterprise shaft,) I found that it was on fire about the and genius will occasionally, however, furnace. I found a man lying on a hear, of break through barriers like these, and, burning made and track him of burning coals and took him off. I could whether with or without encouragement, only get a few yards further up the board-| will strive to bring forward and work out

These remarks are induced by the recent receipt from India of accounts of a new rifled gun and rifle musket, the inventions of Lieutenant-Colonel Jacob of the Bombay Artillery. Some of the performances of the latter (the former would as yet appear to be in embryo), though likely to excite less astonishment than they would have done a tew years ago, are still sufficiently remarkable, if truly stated, as they appear to be, to be brought under notice. The rifle to describe that it simple harrelled. 30 inches length; good lock, mainspring connected with tumbler by link; half-cock a little above nipple, trap in butt; full stocked barrel attached to stock by bands; steel ramrod with hollow head exactly fitting the small end of the ball; sword bayonet 24 inches (of peculiar form, not easy to describe in words) of the best cast steel; case-hardened from mountings, and no brass or bright metal of any kind about the piece; long folding sight with slide, both the sight itself and the slide to be made with springs to prevent their working loose. Weight of the whole, sword included, 93 lbs."

It will be seen that there is nothing in all this very strikingly different from many rifles which have been already manufactured. The great merit of Colonel Jacob's invention would appear to apply to the pro-jectile he makes use of, the effects of which, in an Indian paper noticing the subject, are described as something marvellous. The rifle, like the French field artillery gun of the Emperer Louis Napoleon, discharges either a solid bullet or a shell. Both are constructed of a peculiar form best adapted for flight through the air, and so scientifically has this form been attained, that the bultance with one half as much powder as can