more, and presenting a steep face to the creek hues by the horizontal rays of the ruins. The It unfortunately happens at this juncture that promising young officer. into which it decends, sheer behind the south- in the counterscarp, and to serve as a signal to energy in directing the siege works, is unwell seemed greatly distressed. They are strength-

on this face of the hill, but those which are sit. Creek, there seems to run a stream of fire, and But all this has nothing to do with the siege, ever they have large masses of men in the town. unted on the eastern face, or on the descent to fleecy, curling, rich white smoke, as though the and meantime our ailies are pounding away with The bombardment was renewed and lasted all flockyard Creek, are quite discernable to the earth had been suddenly rent in the throes of an exceeding warmth at everything within range of night. maked eye. There is a poor suburb at the base, earthquake, and was vomiting forth the mater | them. Our Quarter Battery, armed with two | Sept. 7 .- The cannonade was resumed at daythence the houses rise in terraces, with flights ial of her volcanoes. The lines of the French mortars and eight cohorns, just 400 yards below break, the Inkermann batteries firing briskly. of steps and curving roads up to the brow of trenches were at once covered, as though the Redan, plies the suburb in the rear of the A council of generals was held to-day at head

these buildings. A church decorated with festoons, in clustering bunches, in columns and Redan and Malakoff are alike silent, ragged assault would take place to morrow at 12 o'clock. many small pinnacles at the angles of the roof in sheets, all commingled, involved together by and torn. At most the Redan fires three guns, The firing was tremendous all day, but clouds has been struck by a shell, which has burst in the vehement flames beneath. the root. Some of the best mansions are split. The crash of such a tremendous fire must nious. The parapets are all pitted with shot and drifted into our faces, rendered a view of the topen, or gape from their cracked walls on the have been appalling, but the wind and the embrasures are greatly injured, place impossible. The have been appalling, but the wind and the embrasures are greatly injured, place impossible. way; others are perforated through with shot culiar condition of the atmosphere did not per. so that the gabions are sticking out and are holes, through which the light is visible-win mit the sound to produce any great effect on our tumbling down in all directions. There is no and burnt all hight. A steamer towed other down, pillars, and columes are broken or des- camp; in the city for the same reason the noise more of that fine polishing and of that cabinet vessels near her away to the dockyard harbor,

In the rubbish of the suburb, next to the Fing. The iron storm tore over the Russian lines, their batteries; our constant fire by night, our Flames broke out behind the Redan in the afstaff Works, there are several batteries in excel tossing up as in sport, jets of earth and dust, riflemen, and incessant shelling have prevented ternoon. The bombardment was renewed at lent order, which are not injured by the allied rending asunder gabions, and 'squelching' the their assiduous anxiety as to external appear- dusk. A Sardinian corps was marched up to batteries, and which have not yet fired much, parapets, or bounding over among the houses ance being gratified. There was a heavy exif at all. They are mostly fleches, and seem in- and ruins in their rear. tended as outlying works of the second line of The terrible files of iron, about four miles in the artillery men of our allies suddenly ceased, men all take 48 hours' provisions, cooked, inte

Near the top of the hill, inside the crenellated and ruin with it, swept with its heavy and irre- selves. The Russians crept out to repair dam- the plan of attack. wall, a portion of the interior line of these de- sistible wings the Russian flanks, and searched ages to their work, and shook sand bags full of September 8, 11 a.m. All comers from Balfences is to be seen. A hattery, called the their centre to the core. 'Crow's Nest, from its elevated position, is plac- A volley so startling, simultaneous, and tre- their parapets. Their gunners also took advan- line of sentries in ed near this line, and has an extensive command mendously powerful, was probably never yet tage of this sudden cessation to open on our front prevent any one going as far as Cathcart's over the right of the French left attack, and over uttered since the cannon found its voice. The our sailors batteries in the left of our attack, to Russians seemed for a while utterly paralyzed; some little annovance from the "crow's nest." or men on duty. The fire is exceedingly heavy.

This contains a couple of large mortars in ad- enough to enable them to reply to such an over- exploded some fongasses, as before, the French dition to some long-ranged guns, and can bear lapping and crushing fire; but the French leapin any troops between the outer defences and ing to their guns with astounding energy, rap the foot of the hill on which the town rises, and lidity and strength, kept on filling the very air up with the utmost vigor till 12 o'clock at noon, the ravine between our left and the French left with the hurtling storm, and sent it in unbroken by which time the Russians had only a few guns

A very long series of earthworks crowns the More than two hundred pieces of artillery of position to reply. We could see them, in great ridge of the same hill, and the defences broken large calibre, admirably, served and wel! direc. agitation, sending men and carts to and fro by the creek are continued towards the right by ted, played incessantly on the hostile lines. In across the bridge, and at 9 o'clock a powerful the various batteries, (Barrack, Road, Garden, a few moments a great veil of smoke-'a war column of infantry crossed over to resist our Black Batty, &c.) which are connected with cloud rolling dun -spread from the guns over assault, while a movement towards Inkermann the Great Redan, and thence are carried to the on the left of Sebastopol; but the roar of the was made by the army of the Belbek.

creek, and in front of our left attack, is in com- away into hoarse murmurs, again swelled up side every morning, seemed to be recalled, and In September, 1800, he took out a patent, and plete rains, but our line of batteries is almost too into tumult, or rattled from end to end of the were marched back again across the bridge to in 1801 he published a memoir containing the far to do injury to the public buildings behind line like the file-fire of infantry. the south, no doubt to be in readiness for our result of his researches. This was entitled the suburb, although our old first parallel, has Stone walls went down before the guns at expected assault. From 12 till 5 o'clock p.m., "Thermo lamps, or stoves which heat, give an been disarmed as being too far, and the guns once, but the earthworks yawned to receive the firing was slack; the French then resumed economical light, and afford, besides several valu-

which it is placed, conceal from the spectator at pets, that the enemy had to lie close, and could till half past seven, when darkness set in, and all to obtain from it gas, oil, pitch, and pyrolegineous Cathcart's hill, the cemetry which we occupy scarcely show themselves in the front line of the mortars and heavy guns, English as well as acid, but his work indicated the possibility of since the 18th of June, and which is improper- defences. For a few minutes, then, the French French with shell against the whole line obtaining gas by distillation from fatty or only ly marked as 'The Ovens' in one of the best had it all their own way, and appeared to be on of defences.

and the ravine in front under the proper right of from each of their numerous guns, the Russian did not whistle through the air—not a moment ing a mixture of carburetted bydrogen and oxide the Redan. The ravine between our right and artillerymen got to work, and began to return in which the sky was not seamed by their fiery of carbon, and but imperfectly freed from its imleft attack is visible till it is closed up by the our allies' fire. sweep of the hills on which the attack batter. They made good practice, but fired slowly practice was beyond all praise. Every shell insupportable odor, and the result was that but ies are placed, and by the ragged height seam- and with precision, as if they could not afford burst as it ought, and the lines of the Russian little favor was shown to the new discovery; the ed with rifle pits, crates of bombs, zigzags, and to throw away an onnce of powder. The French earthworks of the Redan, Malakoff, and all inventor finally retired to Versailles, where he

Behind the Redan are visible the long line of the dockyard and arsenal buildings, and the barracks which have been rendered uninhabitable on the near side by our fire-the great sheers, the floating bridge across the roads to the north side, the two lines of men-of-war-the Twelve Apostles and five two deckers, frigates and steamers. A vial slaguing story

Then, on the right lie Malakoff, Mamelon, batteries, therefore, rendered little assistance to out into one grand blaze from stem to stern. and the White Works, and Mount Saponne peering beyond over them and the north sidethe citadel, the Russian camp, Inkermann, its batteries, and the plateau of the Belbek forming the back ground, which is defined still further by a strip of the Blue Sea.

From Cathcart's hill, therefore, on the right front of the Fourth Division camp, one can gain an admirable view of certain points of the position from the sea or the left to our extreme right at Inkermann. That advantage is, however, rarely obtainable when there is any heavy firing, as the smoke generally hangs in thick French. clouds between the earthworks, nor can it be dispelled, unless by a brisk wind.

If one of the few persons who were in the secret of the opening of the French batteries had been on Cathcart's hill on the morning of the 5th, he would have beheld then, just ere half-past 5 o'clock, the whole of this scene marked out in keen detail in the clear morning

suchiron maint a real risers. Har authora will sales down behind the traverses, or strolling about in do I insinuate that there was the smallest want o'clock, and at midnight the trigate was burnt 'Peace hath her victories, no less renowned the rear of the parapets. Small trains of ani- of unanimity between the generals, but it is a to the water's edge. than war.'-[N.Y. Herald. mals and files of men are passing over the fact that we had not all the guns and ammuni- Sept 6 - Last night a steady fire was kept up ground between the trenches and the camp, and tion required for opening a three days' fire of all along the front, to prevent the Russians re- Mantiness.-Learn from the earliest days to the only smoke that cutches the eye arises from intensity, and that with plenty of a certain sort pairing damages. At 10 p.m., orders were sent insure your principles against the peril of ridthe kettles of the soldiery, or from a rifle in the of material and missiles, there was not the requi- to our batteries to open, as soon as there was a liquie. You can no more exercise your reason, advanced works. On the left, however, it can site quantity of those of a different, but use- good light, the following morning, but they if you live in perfect dread of laughter, than be seen that the French trenches are crowded ful description. with men, and that their batteries are all man- Our allies must appreciate the readiness with whole of the batteries from Quarantine to Inker- stant terror of death. ned, though the men keep well out of view, and which we have on several occasions lent them mann opened with a grand crash. The Russians the manifels and screens are yet down before guns, shot and shell, and are too generous while were silent as before. The cannonade was and to make a point of morals, do it, however the muzzles of some of their guns. The men remembering such services to find fault with us maintained as it was yesterday, from half-past rustic, however antiquated, however pedantic

A few grey-coated Russians are in view re- stores as they had collected. After all, it may the fire was comparatively slack. pairing the works of the Flagstaff Battery, or jurn out that for military reasons the generals | Captain Shone, R.A., was killed yesterday in of his own in his bosom, and did not wait till

the tree estates to epray set out about bearings of

from the dockyard, sweeps round to the roads, French have exploded three fougasses to blow General Jones, who has always displayed great. The firing continued as before, and the enemy

We cannot see the houses which are built up. Instantly, from the sea to the Dockyard rheumatism, which almost cripples him. a disposition to rely on the north side. Howthe hill very clouds of heaven had settled down upon Malakoff vigorously, and keeps the top of the quarters, the sick were cleared out of the field The bombardment is beginning to tell on them, and were whirled about in spiral jets, in Redan clear.

defences, the plain, carrying death in order to let their gans cool and to rest them. Nothing is known of

which it is rather troublesome. their batteries were not manned with strength attacks of the van of other relations and a fury against their enemies.

Malakoff and its outlying works. shot did not cease, and the cannonade now Soon after our fire began, as early as 6 o'clock, invention, and it was not until 1799 that he con-

maps of the place. A description of this scene is now impossible. They also hide the course of the Wornzoff road resistance; but, after they had fired a few rounds | There was not one instant in which the shells

> a reply to their astonishing volleys, and their the constant light of the bursting shells. The eventually died, ruined by his experiment. of the defences, and bounded in among the o'clock it was observed that a frigate in the ideas of Phillippe le Bon. In 1804 Windsor paof the Redan and of the Malakoff, and aided our one of these confounded ships touched at last!" really of French origin, was applied in France, invaluable allies by keeping up a regular shell These and many different and stronger expreshurled 10 and 13-inch shell behind the enemy's were at work, and one gentleman even went so works, and connected the discharges by rounds far as to say he "thought it was merely a signal into the St. Lawrence, and, surmounting its from long 32's and 68's. It is not known why -may be to recall their cavalry from Eupatothis evident want of unanimity existed, and why ria." It i not known precisely how the thing and canals, entered Lake Ontario, after sailing we did not open fire at the same time with the was done. Some say it was done by the French thro' which she overcame some three hundred

and had an interview with Gen. Simpson yes- agency by which the fire was accomplished. and abundance of ammunition.

troved. must have been terrific and horrible. maker's work, which the Russians bestowed on but the lines of men of war are still in tact.

After two hours and a half of furious fire, plosion in the town at 11 o'clock p.m. Tho

reopened a fire, if possible, more rapid and tremendous than the first, and continued to keep it in the Flagstaff road and Garden batteries in a

The suburb behind these defences next to the pealed forth in great irregular bursts, now died the working parties which go over to the north fided his discovery to the Institute. moved into the second parallel and various bat- shot and shell alike. However, so swift and in- their cannonade with the same astounding vigor able products, a motive power applicable to all teries in front of it. cessant was the passage of these missiles thro; as at dawn and at 10 o'clock, and never ceased kinds of machinery." The line of the first parallel and the hill on the embrasures, and along the tops of the para- their volleys of shot and shell against the place. Le Bon commenced by distilling wood in order

> curves, or illuminated by their explosion. Our purities, gave only a feeble light and evolved an were stimulated rather than impeded by such their batteries were rendered plainly visible by established a factory of pyroleginous acid, and shot flew with increased rapidity along the line Russians scarcely attempted a reply. At five The English soon put in practice the crude houses of the town. But what were we doing second line near the north side was smoking, tented and claimed the credit of inventing the all this time? What was our admirable naval and as it grew darker flames were seen to issue process of lighting by gas; in 1805 several shops brigade and our gallant siege train doing? They from her sides. Men and officers rushed to the in Birmingham were illuminated by gas, manuwere just working their guns as usual and had front in the greatest delight and excitement, factured by the process of Windsor and Murdock. received no orders to open general fire. Our and as night came on the whole vessel broke Among those who used the new light was Watt, the French, but they maintained their usual The delight of the crowd on Cathcart's hill was destructive and solid "hammering" on the face intense: "Well, this is indeed a sight!-to see don, and it was not until 1818 that this invention, practice on the batteries from the Creek to the sions were audible on all sides, but there were Redan. Now two or three mortars from Gor- some who thought the Russians had set the don's, then two or three mortars from Chapman's | ship on fire, or that incendiaries and malcontents -others, by ourselves; and bombs, red-hot shot, feet descent, in all, of the Niagara river, by the General Pelissier was over at our headquarters, and rockets have been variously named as the locks of the Welland canal, and entered lake

commander, with his characteristic impetuosity, flames spread, and soon issued from the ports resolved on opening fire, finding that we were and quarter gallery. At 8 o'clock the light was nent. not quite prepared to do so with effect, and re- so great that the houses of the city and the forts lying on his own numerous and heavy ordinance on the other side could be discerned without being at an elevation above the level of the sea, difficulty. The masts stood long, and towered I am by no means prepared to say we were aloft like great pillars of fire; but, one after the The men in our trenches can be seen sitting not ready to open on the day agreed upon, nor other, they yielded; the decks fell in about 10

These fine structures are not exempt from promises to be of considerable strength, in front their cannonade was a matter of arrangement, and much esteemed officer. I regret to have to 'low neighborhoods' of white-washed houses, of the second line of their defences. Although there are some complaints of defici- record also the death of Captain Buckley, Scots which belong to the garrison or to the poorer in- Suddenly, along the earthen curtain between ency in the engineering department, I have Fusilieer Guards, who was shot through the habitants. The hill on which this part of the Nos. 7 and 8 bastions, three jets of flame spring never heard it said that our artillery, as long as heart as he was posting his sentries. This galcity stands rises from the rear of the Flagstaff up into the air, and hurl up as many pillars of they had powder, shot and guns, were not ready lant young officer was shot through the neck at Battery to the height of two hundred feet or earth and dust, which are warmed into ruddy to meet any enemy. The Alma, but did not go home. He was a most

and cannot go out, owing to a severe attack of ening their position on the Belbeck, and evince

hospitals, and it gradually oozed out that the and the adjoining batteries are equally parsimo, of dust, which a high wind from the north

About 3 o'clock a two-decker was set on fire

earth from the parquette over the outside of aklava and the rear of the camp are stopped by a sailors' batteries in the left attack, and caused us Hill on the picket houses, except staff officers At 10 o'clock, however, having previously The assault takes place at noon. The 4th division is now under arms.

most remandant man team THE INVENTOR OF GAS LIGHTS, -We translate the following from a French paper. The credit of originating lighting by gas is generally supposed to belong to the English, but it appears that they took their hint from a French source:

The inventor of gas lights was a Frenchman, Phillippe le Bon, an engineer of roads and bridges who, in 1785, adopted the idea of using, for the purpose of illumination, the gasses distilled during the combustion of wood. He labored a long time in the attempt to perfect his crude

substances.

From 1799 to 1802 Le Bon made numerous experiments. He established at Havre his first

the inventor of the steam engine.

In 1816, the first use was made of gas in Lonwhen M. Chabrol, the prefect of the Seine, caused an apparatus for its manufacture to be constructed at the Hospital of St. Louis .- [Ex.

- monument DIRECT FROM LIVERPOOL TO CHICAGO .-After crossing the Atlantic, the Arabia passed rapids by means of the British Canadian locks Erie, thence thro? said lake, the straits and lake terday, and it is not unlikely that the French In spite of the Russians, the of St. Clair, lake Huron, and lake Michigan, to Chicago, in the heart of the American conti-Arm in this niter of agentine in

At Chicago she is somewhat up in the world, which overtops the highest pyramid of Egypt Such are the achievements of science, labor and

were limited to 50 rounds each. At 5 30 the you can enjoy your life, if you live in the con-

If you thing it right to differ from the times, beneath the parapets swarm like bees. if we had not accumulated such masses of 8 till 10, from 12 till 5, and from half-past 6 to 7, it may appear, do it, not for insolence, but serjously and grandly—as a man who wore a sor engaged in throwing up a new work, which resolved to let the French open first, and that the batteries by a round shot. He was a brave was breathed into him by the breath of fashio