of the articles are such as have obinventions and improvements recorded in the volume, have been honoured with medals and other rewards fortheir ingenuity, bestowed by gentlemen fully compitent to appreciate their value. The foreign articles are derived principally, from the following respectable urces. The Transactions of the society for the encouragement of Arts, Manufactures and Commerce; Tillock's Philosophical Magazine; Nicholson's Philosophical Journal; The society of Agriculture for the department of Seine; the Reportery of Arts; retrospect of discove-ries; Annales de Chimie; the Bath and West of England Society ; Journals of the Royal Institutions of G. Britain; papers of the com-mercial board of Agriculture; Aikin's Athenan; Annales des Arts et Manufactures; Tohnson's History of animal chemistry; Bibliotheque Physico , Economique ; the transaction of the Economical society of Leipsic; Hunter's Geographical Essays ; The Journal de Physique; Bulletin des sciences des letters et des Arts: Journal des Mines; The annals of Medicine; the Decade Philosophique; the Translations of the Economical Society of Petersburgh & Translations of the royal Academy of Stockholm.

Among the inventions described in this work, for which the authors received premiums from foreign societies, are, a machine for grinding colours; description of a wheel drag; implement to enable shoemakers to work in a of war. atanding position; cheap engine for raising water; apparatus for driving copper bolls into when they are hoven or swollen.

Among others which appear to possess great utility, are, a process for watering hemp; purification of fish oil; on steam as a vehicle for conveying heat; on bleaching powder; Dutch method of preserving herrings; a cement for preserving vessels from worms; on raising and dressing hemp; on the form of animals; on the analysis of soils; on making glue; on pruning orchards; on promoting the growth of young fruit trees; on grass land; on bleach-

devoted to American improvements, we have asketch of manufactures, manufactories, bridges, canals, patent inventions, &c. The most prominent articles are, an account of Trenton bridge; of Schuylkill bridge; artificial mineral waters; the Lehigh coal mine; Mr. Evan's to America. improvements in steam and mill machinery; the Pennsylvania Academy of fine arts; the Philadelphia museum; the pneumatick cock Packet, dated Flushing, 18th Aug. 1809.

"This place was not altogether evacuated by the and hydrostatick blow pipe, by Mr. Robert Hare, jun.

is described at length, p. p. 236, 239, 282 .-From the latter we learn that it has been found Most of our thips of war have proceeded up the by experiment that "one horse, value 201. on Scheldt, and Sir R. Strachan will follow with the a declivity of an iron road, five sixteenths of remainder to-morrow. There are ten French ships an inch in a yard, drety 35 tons, overcoming boats, (as we now learn) beyond fort Lillo. There the vis inertiæ with ease."

the article referred to; it will occur, where a rail way, either connected with a canal or not, will be the mode of a cheaper conveyance than water would be. It clearly appears in tion with America. the case of the Ashby canal, that their rail way, which is now executing, and a double one ciations between Austria and France, is at length will cost two thirds less than a canal would drawn aside, and an appeal to arms has been once have done in the district of their rail way, where the ground for a canal is unfavourable, and furnish the article of lime, which it is chiefly intended to convey, at two fifths less than a canal would have done. A rail way is full powers. An official communication declaring more certain than a canal, being more easily this change, and at the same time announcing the repaired; neither do frost nor dry seasons af- determination of the Austrian government to person fect the trade thereon."

cissitudes of the seasons, which affect canals, are greater than in England, and the reasoning in favour of iron rail ways will, of course, apply still stronger in this country than in G. Britain.

From the foregoing slight sketch of the "Register of Arts," the utility of the work is obvious, and will, it is hoped recommend it to the attention of the publick.



FOREIGN.

The British brig Tom Barry, Capt. M'Dougall arrived at New-York on the 6th instant in the short re of 36 days from Scotland, by whom the Ediors of the New-York Gazette have received London and Giasgow papers to the 27th of August.

The London Cazette of August 20, contains the following dispatch from Lieut. General the Earl of Chatham to Viscount Castlereagh, dated Middleburg, August 16 -

My Lord-I have the honour of acquainting your rdship, that, on the 12th instant the batteries before Flushing being completed, (and the frigates, bombs, gun-vessels, baving at the same time taken their stations) a fire was opened at half past one, P. M. from fifty-two pieces of heavy ordnance, which was vigorously returned by the enemy. An additional battery of six twenty-four pounders was completed the same night, and the whole continued to play upon the town, with little or no intermission, till late on the following day.

On the morning of the 14th instant, about ten

dous cannonade on the town for several hours, the greatest gallantry and effect. About four in the afternoon, perceiving that the fire of the energy had entirely ceased, and the town presenting a mist awful scene of destruction, being on fire it ry quarter, I directed Lt. Gen. Sir Eyre Coote to send in to stamons the place; Gen. Monnet returned for answer, that he would reply to the sum-mons as soon as he had consulted a council of war; an hour had been allowed for the purpose, but a con-siderable time beyond it having elapsed, without any recommence with the utmost vigour, and about eleven o'clock at night, one of the enemies batteries advanced upon Sea Dyke, in front of Lieut. General Fruser's position, was most gallantly carried at the point of the U. States and his Lady. answer being received, hostilities were ordered to point of the bayonet, by detachments from the 36th 71st and light battalions of the king's German legion under Lieut. Col. Perk, opposed to great superiority of numbers; they took forty prisoners, and killed and wounded a great many of the enemy. I must not omit to mention, that on the preceding

evening, an entrenchment, in front of Major Gene ral Graham's position, was also forced, in a manner equally undaunted, by the 14th regiment and detachments of the king's German Legion, under Lt. ty feet water. The bell, which takes its name from Col. Nicholls, who drove the enemy from it, and made a lodgment within musket shot of the walls of the town, taking one gun and thirty prisoners. the town, taking one gun and thirty prisoners.

About two in the morning, the enemy demanded a suspension of arms for forty-eight hours, which was refused, and only two hours granted, when he agreed to surrender according to the summons sent in, on the basis of the garrison becoming prisoners

Lord Chatham proceeds to state that articles were discussed and settled. Though the French were ships, and a method of relieving cattle or sheep in a situation to hold out no longer, Lord Chatham states that the enemy having broken the dykes and flooded the country, rendered a speedy sur-render necessary to the British.—About 6000 regular troops were captured at Flushing.

A subsequent return of Lord Chatham states that the towns of Zeirikee and Bowershaven, and the islands of Schowen and Duiveland have also surrendered. In England it is considered very questionable whether any thing more can be effected either in the Scheldt or on the coast. As stores and ordnance are preing cotton; on preparing radical vinegar, &c. paring to be sent off at Woolwich it is conjectured by some the expedition will proceed to tured by some the expedition will proceed to

> It was believed in London from different accounts received from the continent, that Gen. Armstrong was at Amsterdam, having failed in his attempt at negociation, and that he was desirous of returning

French until this day. A great part of the town is destroyed, and thousands of the inhabitants have pe-The English mode of forming iron rail ways rished. The Stadthouse, a large church, and several other public buildings, have been consumed .-"In a great many cases (says the author of building in Flushing."

> Letters from Paris, of the 8th inst. speak of the probability of a decree, interdicting all communica-

The mysterious veil which has covered the negomore resolved upon by the Emperor Francis. This important intelligence has certainly reached his majesty's ministers. Archduke Charles no longer commands the Austrian armies, and Prince John of Lichtenstein has been declared Generalissimo, with vere in the contest at all risks, rather than yield to In most parts of the United States the vi. the arrogant demands of Napoleon, was on Sunday evening received by Mr. Canning. This we state as a fact, which cannot be contradicted.—The Day. Hamburgh accounts of August 16 are similar to the above.

NAPLES, July 27. The British have, very unexpectedly, received orders entirely to evacuate the slands of Illchia and Proseida. The troops and the sick are embarked. The Sicilian Prince, Leopold, who was on board the fleet, and the Dukes of Arcoli and Camera, two Neapolitan emigrants, have by this time returned to Melazzo. It would appear that considerable differences had taken place between them and General Stuart. Two British regiments had proceeded to Malta.

Paris accounts of August 10th state that a treaty of peace had been signed with Austria, and that preparations were making in that city for the Emperours reception. This seems much more likely to be true than the accounts that hostilities had recommenced.

The 30th Bulletin, Dated Vienna, July 30. The house of Austria took the field this campaign with 62 regiments of the line, 12 regiments of cavalty, 12 regiments of grenadiers, four free corps or legions, making in the whole 310,000 men; 250 battalions militia (landwher) commanded by ancient officers, exercised 10 months; 40,000 men of the Hungarian insurrection, and 50,000 horse artillery & miners composing in the whole from 5 to 600,000 men. With this force the House of Austria supposed herself to be sure of victory. She entertained a hope of shaking the power of France, if ever her whole force were united. But her armies are not withstanding reduced to one fourth part of her original strength, while the French army has been encreased to double the number it consisted of at

The duke of Dantzic has entered Tyrol with 25,000 men. He has occupied Lofers, and disarmed all the inhabitants; he must by this time be at Inspruck. Gen. Thielman has entered Dresden, but shifting to the westward, towards noon it

Cuesta has resigned on account of his great age and infirmities. Wellesley has been appointed to command the Spanish army-Romina has been re-called on account of his violent oppressive conduct.

DOMESTIC

The Lectures in William and Many College, will mmence on the 3d monday in October.

On Sunday the Bishop consecrated the Church of which the Rev. Mr. M'Kormick is Rector, in the

The Republican ticket for members of Assembly has prevailed in the States of Maryland & Vermont Jonas Galusha is elected Governour of the latter.

At an election in Philadelphia on the 11th instant Doctor Adam Seybert was elected representative to Congress by a great majority over Mr. Smith.

The diving-bell of Buckstown, Maine, continued to be successfully employed in ruising articles from a signal. The sides and top are perfectly light; but it has no bottom, the air keeping out the water-The persons who go down are supported on seats till it descends to its object, they then proceed to work. The bell is accommodated with windows; and contains air sufficient to sustain a person one hour and thirty minutes. Subaqueous visits are often made by citizens of the towns on the banks of the Penobscot, for their amusement.

On the 26th of Sept. was had the first examination of the students of the Theological Seminary of Andover in Massachusetts. Thirty six students were examined and their progress in Ti cology and sacred literature was highly commendable. This College to form ministers of the gospel, has

been founded, and is supported by the subscriptions of individuals—one gentleman has subscribed to it fifty thousand dollars. Doctor Griffith, of New-Jersey one of the most eloquent men in the U. States, has been appointed professor of pulpit oratory-all the professorships are ably filled.



THE GUILLOTINE. A Song by Joel Barlow.

[As the political character and poetical talents of Mr Barlow have lately undergone some discussion, the follow ng may be acceptable as a specimen of both.]

God save the Guillotine 'Till England's King and Queen Her power shall prove; Till each anointed knob Affords a clipping job, Let no vile halter rob, The Guilloune.

Fame let thy trumpet sound, Tell all the world around How Capet fell: And when great George's pole Shall in the Basket roll, The Guilloume.

When all the sceptred crew Have paid the homage due The Guillotine Let freedom's flag advance
'Tili all the world, like France, O'er Tyrants' graves shall dance And peace begin.

THE LADY'S MAN.

Not all the favours coquettes show, And smiles the fop is heir to. Could tempt me to become a beau, And feel as beaux appear to."

No malice, no envy inspires

The bard, his advice to disclose ; The favour a fopling acquires, Will never disturb my repose. Tho' sad, he must always seem gay: Tho' restless, appear at his ease, Must talk when he has nothing to say, And laugh when there's nothing to please Must never look shy, nor afraid : Approve of nonsensical clatter, And smile at whatever is said.

Good, bad, or indifferent-no matter. If Nancy sav, 'Crossus was poor,' Tis his to say wee, and agree; Or Charlotte 'two threes are but four,' Correct, madam, just four they must be. Should Susan remark, 'it is hou' His answer must be 'it is so: If Mary observe, 'it is not, To her he consents and says, no. Would any dispense with his mind. Bow, wheedle, sigh, whimper and pray, And hoodwinked be led by the blind, To such, I have only to say. Quit Paley and study to please. Read Chesterfield's system of laws, And then you may bask at your ease. In the sunshine of coquettes applause.

A SONG.

Like a very gallant, I will compliment all, I'll leer and ogle the pretty,

Tell the short ones they're neat, the majestic they're ;all,

And call all the homely ones witty. Thus agreeable falsehood passing for truth

I shall tickle their vanity snugly, Talk of prudence to age, and of pleasure to youth, And console with a fortune the ugly. To the pale I'll on delicate lilies begin, To the florid I'll hold out on roses, Call squinting a leer, find a smile in a grin, And proportion where chins kiss with noses.

ERUPTION OF MOUNT-ETNA.

MELAZZO, April 25, 1809. Monday morning the 27th of March was very hot and foggy, and the wind nearly south, The duke of Abrances is in Bayreuth, and has pushed his advanced guard to the frontiers of Bohemia. ished at this change, for as it still continued spectacle has left on my mind; but I have a

loggy, we could not perceive wh at in the morning; h the fog cleared up, a most tr of Mount Etna presented itself to A large blaze, which I can course a ship; issued from the top of the lower down was a smaller b we discovered an immense stream of pouring down, and the view of its warus the foot of Etna was only exclu us by the ridge of mountains which is be this place and Mount Etni. For a nights after the blaze continued, with di degree of violence, and the lava appear have taken two courses, one towards R zo on our right, and the other towards La Grossa on the left.—I can say no more of eruption as it appeared from Melazzo; must, therefore, endeavour to form an open of it from drawings which you may have of things of the kind, or from your own is describe.

"Our English curiosity is so great, that am sure more than half the army have alrebeen to see this wonder of nature. I with two brother officers. Our first i march (for we were on foot) was to Fra Villa, and on the road to Langua Grosaa; day we saw the foot of the lava, it was passing over a vineyard, and seemed to nace with destruction the house of a Baro Franca Villa; the house was abandoned. the pictures of Saints hang one towards the —a mean to turn its course. By day the has the appearance of a heap of rocks a stones, of a colour rather like ink, and you the are every here and there thro' the crad great deal of smoke proceeds from it; w close to it, one perceives it is all in motio pieces falling down and the huge stones re over, and constantly, though slowly, m

its progress over the ground.

Except just at the crater, the lava can the perceived to be in a liquid state, because towards the foot of it, it is either all cor and only impelled along by what is continu still remains liquid at the bottom, and the the top congealed into immense masses, have the appearance of rocks. This is stream of which I before Looke as taking wards Lingua Grassa; thither we proceed and having refreshed ourselves set our mules for the craters which are about six a or rather more from it; that is, the lower for the upper one is about fourteen mile

ther and near the summit of the mountain.
"There are thirteen craters all in al above each other towards the summit; th as we saw them from Melazzo, all appe one, and are quite distinct from the upper will not trouble you with the description rater, for they are found in the same m by the ashes which are discharged, and i he same shape as I once before descri when I wrote to you an account of my v he top of Etna. The lowest was the only which was burning with any degree of vio when we arrived, the others occasionally up perhaps a column of black smoke or so red stones, and the lava from them was on the surface cold, going on but slowly. Near total lowest crater was a rising ground covers trees, whose branches were all knock the stones which had been thrown from crater, (which indeed was the case with all trees in the neighbourhood, for the erupis in the woody region;) but between where stood and the crater was a stream of lava w had flowed from the lowest, just below the ing ground, having taken its course round in We thought it practicable, and wished

ry much to cross this first stream, and so on the rising ground to get a nearer view dut it was impossible, and would not step further; but we ventured on a little w always stepping from one large rock to an (they were very hot and burnt our sh at length got across. It was by far the he birth I ever was in; every now and then saw an immense mass of liquid fire under feet, and perhaps had to step across it, to get on from rock to rock; and once, just as I had put my foot on a large lump, which I thought firm, off it went and laid me on my side! I then felt it very hot, and you may be sure I lost no time to recover my footing. When we get across we were not content, but thought out excursion would not be complete without crauling up the side of the crater, to look into the very mouth of it. This we effected with some difficulty, it being very steep and almost up to our knees in hot ashes every step, but when ve arrived at the summit, we were most fully repaid for our pains. I am quite at a loss to know what to compare it to! Just under our feet we perceived the lava which came out of this crater in a liquid state and in motion which was perfectly perceptible, and increa every now and then as a fresh emission from the crater took place. Immense stones we thrown, in a liquid state, high in the air, and we wanthed them, and saw them constantly changing their shape as they fell. Nearest in aperture was a constant blaze of liquid matter pnd accompanied by such a tremendous that we could not hear ourselves speak. We retired from this about sun-set, and again cross ed the lava in safety. As it got dark the what of the lava downwards appeared red, and the cruption appeared to double advantage.