Many of the articles are such ar have ob-
tained the anction of leamed wocieties in En on
rope and Americs. The authours of many of
the inventiosis sud improvements recorded in
the volume, have leen honoured with medals
and other rewards fortheir ingenuig, bestow. and other rewerds fortheir ingenuig, bestow-
ed by gentlemen folly compitent to appreciate
their value. The foreign articles are derived sincipally, from the following / Texpectable the encouragement of Arts, Manufactures and Nicholson's Philosophical Journal; The society of Agricultere for the department of Seine;
the Reportery of Arts ; retrospect of discovethe Reportery of Arts; retrospect of discoveries; Annales de Chimie; the Bath and West of England Seciety ; Journals of the Royal In-
stitutions of $G$. Britain i papers of the comstitutions of $G$. Britain ; papers, of the com-
mercial board of Agricolture ; Aikin's Athemercial board of Agricoiture ; Aikin'sathe Yohnson's History of animal chemistry; Bib liotheque Physico ; Economiquer the trans
action of the Economical sociegyeof Leipsic Hunter's Geographical Essays : The Journal
de Plysique Buletin des sciences des letters de Physique ; Bulletin des sciences des letters
et des Arts : Journal des Mines ; The annals ot des Arts : journal des Micicine thé Decade Pbilosophique ; the Translations of the Economical Society of Pe tersburgh \& Trina
my of Stockholm.
Among the inventions described in thi Work, for which the authors received premi ums from foreign societies, are, a machine fo
grinding colours; description of a wheel drag grinding colours ; description of a wheeldrag
implement to enable shoemakers to work in atanding position ; cheap engine for raistog whter ; apparatus for driving cepper bolfs int
ships, and a method of relieving cattle or shee when they are hoven or swollen.
Among others which appear to possess great utility, are, a process for watering hemp; pu-
rification of fish oil; on steam as a vehicle for rification of fish oil; on stearm as a vehicle fo
conveying heat; on bleaching powder ; Dutch conveying heat; on bleaching powcer ; Dutc
method of preserving herrings ; a cement fo preserving vessels from worms ; on raising preserving vessels and dressing hemp; ot the form of animals on the analysis of soits; on making glue; on pruning orchards; on promoting the growth
ofyoung fruit trees; on grass land; on bieaching cotton; on prepating radical vinegar, \&c.
In that part of che work which is expressly In that part of the work which is expressly devoted to American improvements, we have
asketch of manufactures, manufactories, bridg es, canals, patent inventions, \&c. The most prominent articles are, an account of Trenton
bridge; of Schaylkill bridge; artificial nineral waters; the Lehigh coal mine; Mr. Evan's improvements in steam and mill machinery;
the Pennsylvania Acudemy of fine arts; the the Pennsylvania Acudemy of fine arts;
Philadelphia muscum; the pneumatick cock Hare, jun.

The English mode of forming iron rail ways
described at length, p. p. $236,239,282$. Trom the latter we learn that it has been found by experiment that "one horse, value 201. on a dectivity of an iron road, five sixteenths of an inch in a yard, dret:
the vis inertia with ease."
. In a great many cases (says the author of 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
the case of the Ashby canal, that their rail vay, which is now executing, and a double one have done in the district of their rail way 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 chiefly intended to convey, at two fifths less than a canal would have done. A rail way is
more certain than a canal, being more easily repaired; neither do frost nor dry seasons affect the
In most parts of the United States the vi are greater than in England, and the reason-
ing in favourr 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
to the attention of the publick. to the attention of the publick

sis
The nciry herald of a buys world."
FOREIGN:
The British brig Tom Barry, Caph. MPDougall, mivasige of $\$ 6$ days from Scotlund, by whom the Edipeasare of S6 days from Scotlund, by whom the Ediand Ghasgow papers to the 27 th of August.
The London Cazette of August 20 , conta The London Gazette of August 20 , contains the
following dispatch fiom Lieut. Genéral the Earl of
Chautham to Viscount Castereagh, dated MiddleBurg A August 16 -
My Eord 1 have the honour of acquainting your londichip, that, on the 12 th insturt the batteries bceore
Etashing being completed, (and the frigates, bombs gunivessol, baving at the same uime taken thei
stations) a fire was opened at half past one, P. M from fify-two pieces of heavy ordnance, which was
vigorously returned ly the enemy. An additional viggorously returncd by the enemy. An additional
batiery of six wenty
the same pounders was completed the sume night, and the whole continued to play up-
on the town with litte or no internission, till late on the fotlowing day.
On the moning of

| chan, got under welght, and rangling up along the sen line of defonce, keph, as they puased, a most tremen. dous cannonade on the town for several hopury, With the greatest gallantry and eflect. Abput foar in the afternoos, perceiving that the fire of the enchiy ind |
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 nons as soon as he had exosulted a council of war; iderable úme beyond it having elapsed, withoatany
inswer leing recived, hostilites were ordered to recommence with the ptmost vigour, and al
eleven oclock at night, ene of the enemies batter Frascer's position, was most zallontly carried at the poser tof the bayonet, by detecchments freci the 36 th ,
7 sist and light toattalions of the king's German legion 7 Ist and light Jattalions of the king's German legion
under Lieut. Col. Perk, opposed to greats superiority of numbers; they took forty prisoners,
and wounded a great mahy of the enemy.
I must Dot omit to mention, that on the ppreceding evening, ann entrenchment, in rowt orce, in a manne equally undaunted, by the 14th reginent and de Col. Nicholls, who drove the enemy from it, and
madea lodgment within musket simot of the walls of the town, takin, one gun and thirty prisoners.
About two in the morning, the enemy dema a suspension of arms mor for forty- eight hours, which was refused, and ooly two hours granted, when he of wat. basis of
War. Chatham procesds to state that articles were iscussed and settled. Though the French were
Ta situation to hold $\gamma u t$ no longer, Lord Chatham states that the everny, having broken the dyikes and flooded the country, rendered a speedy sur
render necessary tothe British-About 6000 regul roops were captured at Flushing.
A subsequent return of Lord Chatham state that the towns of Zeirikee and Bowershaven,
and the-islands of Schowen and Duiveland have also surrendered. In England it is con idered very questionable whether any thing
nore can be effected either in the Scheldit or the coast. As stores and ordnance are preparing to be sent of at Woolwich it is conjetured by
Spain.

It was believed in London from different accounts received from the continent, that Gen. Arnistrong
was at Amsterdam, having failed in his attempt at
negociation, and that he was desirous of returning negociation,
to Amerial.
The fallowing is the copy of a letter brought over by the
Ox Packet, dated Ylubhing, $18 t \mathrm{Aug}$. 1809 . "This place was not altogether evacuated by the
French until this day. A great part of the town i
destroyed, and thousands of the inhabitants have pe estroyed, and Shoussouse, a large church, and seve Most other public buildings, have been consumed.cheldt, and Sir R. Strachan will follow witio the remainder to-morrow. There are ten French ships
of the line and fifteen frigates, with about fify one
boats, (as we now learn) beyond fort Lillo. There
Le also a line of batte ship and two smaller vessel are also a line of battle
building in Ylushing."
Letters from Paris, of the eth inst. speak of the
probability of a decree, interdicting all communicaion with America.
The mysterious reil which has covered the nego-
ciations between Austria and France, is at leng drawn aside, and an appeal to arios has been once
dore resolved upon more resolved upon ty the Emperor Francis. The
mportant intelligence has certainly reached his mportant intelligence has certainly reached his
majesty's ministers. Archduke Churies no longer commands the Austran armies, and Prince John of full powers. An offical communication declaring this change, and at the same time announcing' the
determination of the Austrian government to determination of the Austrian government to persto
vere in the contest ct all risks, rather than yield to he artogant demands of Napoleon, was an Sunday
evening received by Mr. Canning. This we state as a fact, which cannot be contradicted-The Day.
Hamburgh accounts of August 16 are sumilar to Hamburgh accounts ore
Naples, July 27. The British have, very unexpectedly, received orders eatirely to evacuate the islands of Illchia and Proseida. The troops and the
sick are embarfed. The Sicilian Prince, Leopold, sick are embatared. The Sicilian Prince, Leopold,
who was on board the fleet, and the Dukes of Arwho was on board the fleet, and the Dukes of Ar-
coli and Camera, two Neapolitan emigrants, have
by this time returted to Melazzo coli and Camera, two Neapolitan emigrants, have
by this time returned to Melazzo. It would appear
that considerable differences had taken place bethat considerable differences had taken place be-
tween them and General Stuart. wreen them and General Stuart.
giments had proceeded to Malta.

Paris accounts of August 10 state that a treaty
of peace had been signed with Austria, and that or peace had ecen signed with Austria, and that
perours reception. Thing in that city for the Em-
Thit much more likely to be true than the accounts that hostiltics had recommenced.
The soth Bulletin, Dated Fiemna, July 30 .
The house of Austriatook the field this campa with 62 regiments of the line, 12 regiments of cavaignry, 12 regiments of grenadiers, four free corps or
legions, making in the whole 310,000 men; 250
battalions militia (landwhef) commanded by ancient officers, exercised 10 months ; 40, ooo men of the
Hungarian insurrection, and soono horse Hungarian insurrection, and soooo horse artillery
y miners cosmposing in the whole from 5 to $\&$ miners composing in the whole from 5 to 6o0,000
men. With this firce the House of Austria supp men. Win this to be sure of victory. She entervin
posed hersel
ed a ed a hope of shaking the power of France, if ever
her whole force were united. But her armies are not withstanding reduced to ohe fourth parr of her
original strength, while the French army has been
encreased to double the number it consisted of at Ratisbon.
The duke The duke of Dantric has entered Tyrol with
5,000 men. He has occupied Lofers, and disarmd all the inhabitants; he must by thin time becm a The duke of Araptes sis in Bayreuth, and hisp puesh
ed his udranced gyard to the frontiers of Bohemia


- 8

The Lectures in Wiallam and May Coile On Sunday the Bid moniday in October, Church on which the Rev. Mr. M'Korricik is Rector, in the city of Washingtob, and admitted a respectable hence attended, amoog whom were the Presibien
fthe U. Suates and his Iady. of the U. States and his Lady.
The Republican ticket for members of Assembly
has previled in the States of Maryland 5 . Vermiont. has prevailed in the States of Maryland \&\% Vermiont At an election in Philadelphia on the 1 th instan
Doctor Adam Sepbert was clected representative to Doctor Adam seybert was elected representative
The diving-bell of Ruckstown, Maine, continue to be successfully employed in riding arricles from ye ordanace brig, which we underatand, lies in six
feet water. The bell, which tukes its name from
shape, is sufficiently large to contain two persol ts shape, is sufficiently large to contain two persons
vith ease. It is sunk with weightsi and hoistet on a signal. The sides and top are perfectlylight; bu
it has no bototu, the air keeping out the waterThe persons who go down are supported on seats work. The bell is accormmodated with windows ;
and contains air sufficient to sustain a person one and contains air sufficient to sustain a person on
hour and thirty minutes. Subaqueous visits are often Penobscot, for their amusement.
Ont the 26th of S.ept. . ams hat the first examinati-
on of the students of the Theological Seroinary of
on of the students of the Theological Sempinary of
Andover in Massachusels. Thirty six students
were examined and their progress in Ti sacred literature was highly commendable.
This College to form ministers of the gospel, has een founded, and is supported by the subscription individuals-one gentieman has subscribect zoit
this
thousand dollars. Doctor Grifith, of New-Jersey, one of the most eloquent men in the U. States, has ecen appointed professon of pu
professorships are ably filled.

## 2 <br> THE GUILLOTINE

[As the political chiwartect and pooticel talents of Mr ig may be acceptable as aspecimen of bothi.]
 Nimem ifitit
 And nif itiant pot
 Man initanued
 THE LADY'S MAN. Not all the favours coqueties show
And smiles the fop is heir to And smiles ue fop is heir the
And feel as teaux appene a beau, to.

No malice, no envy inspires,
The bard, his adrice to disclose
The thvor a foling sequires,
Will never disturb my repqose. Tho sed, be must always seem gay;
Tho restless, appear at his ease,
bithen Mast talk whien he has nothing to say, Must never look shy nor affrid
aprove of nonsensical clatter Approve of nonsensical clatter,
And smile at whaterer is said,
Good, bad, or indifterent - no mat
 Correct, madam, just four they must be. Slowidd Suisan relmark, ' $i t$ in hoty
fis answer must be 'it it Ins answer must be 'it it so:
Inary bsere. © it inot;
To her he consents and says,
Vould any dispense with his mind,
Bow, wheedle, sigh, whimper and Bow, wheedle, sigh, whimper and pray,
And hoodwinked be led dy the blind,
To such, Ihave only to syy Quit Phley and study to please.
Read Chesterfields system of lairs, Read Chesterfield's system of havs,
And the you muy beat kityour ease,
In the sumsline of coquettes spplause. $\overline{\text { SONG. }}$
Like a very gallant, 1 will compliment all,
Tell the shor ones of the tre pretty, themajeatic they're ; all,
Thus apreeable falsechood passing for auth,
1 shall tickle their vanity snigly,

To the pale rat on delicate filies begin,
To the flarid
To the florid Yll hold out on roses,
Call squinting aleer, bind a solie in in arin,
And propurtion where chins kiss with noses.
ERUPTION OF MOUNT-ETNA.
Melazzo, April $25,1809$. u Monday morning the 27 th of March wes but shifting to the westward, towardy south, became quite cool, and we were much aston-
ished at this change, for as it

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 of Mount Etna presented inself to ore:
A large blaze, which I can courvive nothing but the continuation of die ex
a ship; issned from the vop of the lower down was a smaller there that fose
we discowered an immense stresp of fride pouring down, and the view of its counes
waris the foot of Etaa was only extioded firy as by the ridge of mountains which it betwent
this place and Mount Etnh. For sera) nights after the blaze ca have taken two courses, one towards Rainds zo on our right, and the other towards Lams eruption as it it,-I can nay no more of is from Melazzo 10 . must, therefore, endeavour to form in insig of it from drawings which you may have of things of the kingl, or from your awa itio of a thing too grand and awfinl for hngugees ${ }^{\text {"Our } \mathrm{En}}$
am sure more than half the army have alrent am sure more than half the army have alreity
veen to see this wonder of naure. I
with two brother officers. Our first deft narch (for we were on foot) wis to Prins. Villa, and on the road to L, angua Grossay sel lay we saw the foot of the lava, it was timy
passing over a vineyard, and seemed assing over a vineyard, and teemed to an Pranca Vill a the bouse hose of a Barcon he pictures of Saincs hopig oia fowarde the ? as mean to turn its course. By day the! cones, of a colour rather like ink, and you. greite every here and there thro' the crack great deal of smoke proceeds from it, wha,
lose to it, one perceives it is all in motion lose to te, one perceives it is all in motion, 6 ver, and constantiy, though slowly, is progress over the ground
Except just at the crater, the lava cang owards the foot of it, it is cither all congme and only impelled along by what is continus pill reuring out of the mouta of the crater, orsp he top congealed into ime bottom, and thit have the appearance of rocks. This in it stream of which I before Lpoke as pating wards Lingua Grassa, thither we proceder and having refreshed ourselves set ourt
mules for the craters which pre about sir mo $r$ rather more from it; that is, the lower wh or the upper-one is about fourtecen milfeith her and near the summit of the mquatain,
"There are thirteen craters all in alin bove each other towards the summit; ; is we saw them from Melazzo, ail appen ne, and are quite distinct from the uppcr play
Will not trouble you sviththe description o rater, for they are foup 1 in the same . yy the ashes which are discharged, and b he same shape as I once before dacci
when I wrote to you an account of he top of Etoa. The lowest was the.only hich was burning with any degree of violer when we arrived, the others occasionally thine ap perhaps a columu of black smoke or comet red stones, and the lava from them was onh
surface cold, going on bur slowly. Near toit surface cold, going on bur slowly. Naty
lowest crater was a rising ground coverdy rees, whose branches were all knocked oll
rene he stones which had been throw rees in the neighbourhood, for the eruptianit in the woody region ${ }^{\text {i }}$ ) but between where $n$ tood and the crater was a stream of lava whes had flowed from the lowest, just below the fit ing ground, having taken its course round ry much to cross this first stream, and so on the rising ground to get a nearer vir
be principal burning crater, the nuide. dat it was impossible, and wculd not so step furcher; but we ventured on a litle epy
always stepping from one large rock to anothi always stepping from one large rock to anotiof
(they, were very hot and burnt our shocis) apt (chey, were very hot and burnt our shocs,
at length got across. It was by far the houty saw an ever was in; every now and cien feet, and perhaps had to step across it, to get te from rock to rock; and once, just ns 1 had put my foot on a large lump, which I thought firman
off it went and laid me on my side I Ithan felt it very hot, and you may be sure 1 lost ne time to recover my footing.
across we were not content, but thouglit vut
excursion would not be complete withoutcnut ing up the side of the crater, to look into the dificulty, it be our knees in hot ashes every step, but when we
arrived at the summit, we were most folls repaid for our pains. I am quiue at a loss to
know what to compare it to Juat under our feet we perceived the lava which came outof this crater in a liquid state and in motiona, every now and then as a fresh emission from the crater took place. Immense stones rate thrown, in a liquid state, high in the ait, we we watthed them, and saw them constany
changing their shape as they fell. Nearsint changing their shape as they fell. Neirstion
aperture was a constant blaze of liouid mater, pud accompanied by such a tremendous piin retired from this about sun-sef, and agging oper ed the lava in safety. As it got dark tho vinde of the lava downwards appeared red, nuaflo
"I find that my deacription falls very
it thort of the impresion which this wodletut
spectacle has left on my mind, butI barce me

