From the COLUMBIAN CENTINEL.

[We ever feel happy in announcing the progrefs of the arts, fciences, mechanics and general prof-perity of our country; and we think the public will receive equal happinels in reading the following]

ACADEMY OF ARTS, &c. AT a meeting of the American Academy of Arts and Sciences, May 26, 1795, Voted, That there be a committee appointed in

the three fourhern counties, the three weltern counties, the five eaftern counties, and the four middle counties, to enquire into the flate of new arts and manufactures, which have been introduced, the time of the introduction of each, and the means which may be had for the improvement of the

which may be had for the improvement of the fame; the above committees to make an annual report to the Academy at their meeting. In confequence of the above wote, a communication was prefented to the Academy at their meeting in May 1796, by the Rew. PEREZ FORES, L. L. D. one of the committee; when it was Noted Their the Rew. D. One T

Voted, That the Rev. Doctor Fosses, be requefied to prepare a copy of his report on the flate of new arts, for the prefs, and that it be published. BENJAMIN DEARBORN, Rec. See'ry.

The following, just received, is the report referred to in the above vote.

SIR, DISAPPOIN FED in my expectation of affiftance from either of the gentlomen appointed as a committee with me, to enquire into the flate of new arts and manufactures, which have been introduced in the fouthern counties, I have prefumed a-lone to exhibit the following account as the beft, which time and my opportunity for enquiry would allow.

Since the American revolution, there has been in this part of the country, not only a very great increase of former manufactures, but feveral new ones have fprung up. Within the counties of Plymouth and Briftol, there are now in operation, Plymouth and Brittol, there are now in operation, 14 blaft, and 6 air furnaces; 20 forges, 7 flittieg, and rolling-mills, befores a large number of trip-hammer fhops, and an almost incredible number of nail fhops and others, for common fmithery. Thefe furnaces annually produce, from 15 to 1800 tons of iron ware.—The forges, on an average, manufacture more than 1000 tons annually, and the flitting and rolling mills, at left 1500 tons. The rol-ling and flatting of iron may well be confidered as one of our new manufactures. There was indeed, upwards of 40 years ago, a flitting mill erected in Milton, and another in Middleborough, but when compared with thole of moders improvement, they were imperfect and unproductive *. This how-ever, did not fail to excite the jealoufy of Britain, and her Parliament foon interdicted this manufacture in America. After this, the first mill of the kind we hear of, was built in Taunton in 1776; this for a confiderable time flood alone in New-England ; and was then the best ever built in Ame rica. In the year 1780, another was erected in Bridgewater, and foon after another in Kingston. In the year 1787, the fecond, and in 1791, the third was built in Taunton. Three others were erected near together in the year 1793, viz. one at Stoughton, one at Plymouth, and the fecond in Bridgewater. Thefe are all I have heard of with-in the limits of Maffachufetts, and except one, they are all within the limits of the two counties + The various manufactures of these mills, have gi-ven rife to many other branches of manufactures ainong us.

From the annual production of three flitting and rolling mills in Taunton, which is not lefs than 800 tons of iron, more than one half is again manufactur-ed into hammered and cut nails, fpades and shovels within that town, i. e. about 50 tons are cut, 330 are hammered into nails, the remainder is wrought into fpades and fhovels. In the town of Norton, the annual amount of the nail manufacture, is not lefs than 300 tons. In Attleborough, 100; in Raynham, upwards of 60, and in lefs quantities in feveral other towns in the fame county. The town of Bridgwater flands next to Taunton in this manufacture, and the first in all others, except mill faws, which are made of fuperior quality in Eaft-town. Although a confiderable number of rods cut in these mills are annually exported, yet an e-qual number at leaft, are imported—fo that the full amount of all the rods cut in these mills are manufactured into nails within the limits of the old colouy of Plymouth. This mauufacture was not an object of any confiderable attention until about the year 1785, when the general court laid a duty upon imported nails of every fize. This gave finews to the aim, and motion to the hammer, which foon terminated in the complete eftablishment of the nail manufacture. From 4 or 500 nails indifferent. ly made by one hand, in one day, more than 1000 are now well made in the fame time. The iron shovel manufacture began at Bridgwater, in about the year 1785. The moulds were then wrought under hammers. But in 1788, they paffed thro' the rolling mill. This improved method was owing to the ingenuity and enterprife of Samuel Leonard, Efq of Taunton. He rolled the first flovel ever done in America. Since that time, the number done in America. Since that time, the number annually made in Tauntor, has not been lefs than 200 dozen, and more than twice that number in Bridgwater. This expeditious method of rolling the patterns has reduced the price nearly to one half. Wire drawing, and rolling fheet iron for the tin manufacture, has been fue cefsfully practified in one of the mills in Taunton, but the latter is now an object of more particular attention at the rolling mill in Plymouth. The art of calling canaon, aranon halls. See, in air furnaces, ought to be rankeannon balls, &c. in air furnaces, ought to be rank-ed among the new and uleful arts of our diffriet.---The first furnage of this kind was built in Bridgwater foon after the commencement of the war; and when we confider the expence of heating a blaft furnace to a fufficient degree for melting iron, and compare it to that of an air furnace, the fupe-rior advantage of the latter will appear, cipecially for calting military flores. Guafmithery, or the art of making hre arms, slthough istroduced, was but little practifed in Bridgwater, until after the American war. Since then it has been carried to greater perfection in that town than any other. The first gun, as well as the first feythe ever ma-

nufactured in New-England, was made in Bridgwater. From this place, fire-arms are now export-ed to Europe. The superintendant, as well as ome of the principal workmen, now in the armoury at Springfield, were original manufacturers from Bridgwater. The art of making fteel was intro duced in Eaftown, by Capt. Eliphalet Leonard, in 1786: It has, fince that time, been made there in ery confiderable quantities, and much cheaper than imported fteel. For purpoles that require large quantities of hard fteel, as in plow fhares, horfe fhoes, &ce. it is equal to any imported, but for edged tools in general, it is found to be rather below it.

The manufacture of cut nails began foon after he revolution. The machine which gave it birth, was the invention of Mr. Ezekiel Reed, of Abington. Near the fame time, and by the fame in-genious mechanic, was wade a wool and machine-this gave rife to that manufacture among us. But who was the original inventor of that uleful inftrument, by which cotton and wool cards are now made cheaper and better in America than in any part of Europe, I shall not determine. It is, however, allowed to be an American invention. The manufacture of lipseed oil first began in

Eaftown, in 1792, and from an annual flock of about 3000 Bufhels of feed, there has been annually produced near 5000 gallons of oil. There is an il mill in Plymouth, and another in Bridgewater. The manufacture of ftone ware, of hand Lellows, and n ettle buttons, has lately been introduced in the county of Brillol, in all which the prefent profpect promifes future fuccefs. In the towns of Norton and Taunton, there is a manufacture of a kind of earth or ochre, found there, into a pigment of a dark yellow colour. This originated in Norton. in 1776.

But, having enumerated fome of the principal manufactures of this part of the country, the queftion will now arife, how, or in what manner can they be ftill improved ? This already has been at-tempted, and in fome inflances happily fucceeded by the help of machinery. The machine for mak-ing bricks, invented by Dr. Apollos Hinkley of Bridgwater, has well fucceeded; from clay crude and manuscubit apochicle in the second second second and unwrought, 1500 bricks have been well mould ed in one hour. The machine constructed for the otton manufacture on the boundary of this diffrict. is, although complex, yet a molt capital invention, but policy at prefent, conceals the annual product of this factory. The machine for cutting and head-ing nails at the prefent time, invented by Mr. Caleb Leach, of Plymouth, has been highly commended Beam in the prefent time in the been highly commended -But with many it fill remains a doubt, whether head at least 5000 in one day.

Waut of time obliges me only to mention-a new and useful improvement in making window afhes-A difcovery by which, in the manufacture of axes, the edge is made thin nearly as a knife, and yet fufficiently fireng and durable. A method allo of melting iron in an air furnage with one third lefs fuel than has been ufually required. An eafy remedy for the complaint which has belin made against rolling of shovel patterns, &c. but these with a particular account of the manufactures of fauff, of wooden bellows for blast furnaces and efpecially of combs, the annual amount of which, in any town in Brittol county, is more than one thousand dozen; thefe, with fome others which did not occur when I first wrote, may be the fubject of fome future communication-1 am Sir, with friendfhip and effeem, your most humble fer vant. PERES FOBES.

Mr. BENT. DEAR

mount to 557, of which 250 are in the toyal no-mination. The convents of different religious orlers, of both fexes, are about 3800. The clergy affembles every five years; the other meetings are extraordinary. According to different calculations which have been made, there are in the kindgdom about 366,264 regular and fecular clergy, who en-joy a yearly revenue of about 11'6,216,600 livres about five millions fterling,)

ne Bauell

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136 Archbishopries and Bishopries. ,00,000

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14,000	Singers of the Choirs,	N. Cal	4
4,000	Children of the Choirs,		
10,000	Chaplain Friars,		
44,000	Curates, Priors Curates,	40	5,
	fegondary Vicars,		7,
	Ecclesiaftics employed in		
Semi	iaries, Colleges, &c. without	be-	
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208	Order of Malta.	I	

35,000 55,500 Religious of Chief Orders, of Abbeys and Priories. 46,500 Religious Mendicants, of which 19,555,600

3,600,000 24,000 endowed at 250 livres each.

80,000 Nuns. OF WHICH

16,000 Order of St. Auguttin.

- 12,500 St. Clara.
- 11,000 Ciftertiars.
- 9,500 St. Urfula.
- 9,000 St. Benedict.
- 7;000 Visitation.
- 4,500 St. Dominie. 3,400 Carmelites.
- 1,500 Fontevrault.
- 3,900 living on alms. 2,000 of divers inferior orders.

And thefe returns are fupposed to be marked at ly half their value."

We are to remember that this is upon a populatiin of thirty millions, of which this is but about the 30th part, and that 20 millions of dollars is an inconfiderable part of the wealth of this great nati on. But this mighty mals has been deftroyed and laid in ruins by the Revolution, and the milery of all attached by their habits to this inflitution has been rendered certain. To difmember so great a part of any community, especially an active part, must have been attended with great convulsions, not prefuming even to imagine the anguish from religious scruples, quite diffict from their poverty, and the public injuries they must fustain. It was an establishment of surpation, but it was a work of time. The prefent generation were by national education and laws built upon it, and violence to humanity muft have been offered in their immediate dell'ruction.

From the South Carolina State Gazette,

Meffrs. PRINTERS,

WHEN the fervice of the citizens ceafes to be ne principal concern of the city wardens, and they chufe to frame excuses for their non-attendance, and fome few of them chufe rather to flay at home and pay the small fines inflicted on them ; instead of meeting each other in confultation concerning the public weal : thus in confequence of their indolence, the eitizens are reduced to very great inconveniences.—And it is to be hoped that the eitizess at the next general election for wardens will remember the prefent worthy defaulters, and make choice of fuch only as will attend to execute with punctuality, the truth reposed in them. There is one entitled to the following remark (viz.) John Johnson, Elq. He is a pattern of rectitude for the example of his hereafter chofen competitors .--- There are many very falutary ordinances for the regulation of the city-but what do they avail, if not properly executed.

Philadelphia, August 8.

Extract of a letter from a gentlemen at Newburg. Port, to his friend in Philadelphia, dated Auguft 1, 1796.

" For these three weeks past we have been alarm ed with the appearance of a fever fomething fimi-lar to that which was fo fatal to the citizens of Philadelphia, though in no one inflatuce can we trace its having been communicated by infection from one perfon to another; it was confined to a neighbour-hood in Water-freet, and it is the generally received opinion that it took its rife from a flench, proceed. ing from a quantity of the entrails of fifh, which, were thrown in a doek and laid until they were in a ftate of putrefaction—five perfons died from one family, and four or five others from the neighbour-ing families; the filth has been removed, and the fever has subfided.

The feason to all appearance is equal to any ever known in this part of the Union.

From an English paper. Smith, Higgins, and Le Maitre, the perfons implicated in the pop gun plot, are difcharged, the attorney general having declined to proceed against them.

Old Bailey, May 11. Last night the Recorder proceeded to pass fen-tence upon the perfons who have been convicted this

feffion ; that of death upon Henry Wefton. Previous to receiving fentence, Wefton addref-fed the court, to which he did not complain of the hardfhip of his conviction, but declared he had not committed the crime with the fmallelt intention of doing injury to any one, being fully confident he fhould have had the power to reinstate the money be-fore it would be called for. He attributed the whole of his misfortunes to the allurements of the gaming table ; and folicited the recorder would fo far intercede with his Majefly to grant him a little time to make his peace with the Almighty, whom he mult have highly offended by the premeditated attempt on his own life.

The Extract of a letter from London, this day pub-Lifted, is from a refpectable quarter and deferves atten-tion. It ferves to fhow what dangers our national character has efcaped, by the patriotic conduct of the American people. It contains alfo good news for our fuffering merchants. Minerva.

Extract of a letter from a refpectable American in London, to gentleman in whis city. London, May 19, 1799. " Every information from the United States is ex-

"Every information from the United States is ex-ceedingly intereffing at all times—but in particularly fo when our national affairs are in fo critical a poflure as they were at the date of the lateft accounts from Ame-rica. I had occalion to call on Mr. — this morn-ing, and from him received intelligence of fo late a date from Philadelphia as the 17th April. Congrefs were then it feems engaged in debating the refolution laid on the table by Mr. M'Clay. It cannot be, that the Houfe of Reprefentatives would be fo mad, as to adopt fuch a refolution—It is impoffible they would expofe us to the horrors of war, when we are on the eve of fettling all differences with Great Britain am-icably.

" The decifions of the Lords of appeal have of late been as favourable as we could expect, they have re-verfed feveral fentences of condemnation grounded on the orders of the 6th November 1793, they have de-termined to reflore all property feized and condemned by virtue of those orders if not otherwise hable to

ondemnation. "Doctor Nicholl has been named as one, and I hear a Mr. Anfrey is the other, of the committee as the ander the treaty, on the part of this country. A better or fitter man could not have been felected than the form er; and fo far as I know, the latter may be an equally fuitable man."

CARLISLE, July 27.

Departed this life, on the 5th inft. after a long d lingering illnefs, which he have with Christian

Corref. Secretary

* Mr. Leach was the work man employed to exe-cute in brafs, the Planetarium, of an Orrery, the def-cription of which I preferted to the American Acade-my. In a letter which accompanied that defcription, although an honorable mention was made of him to that fociety, yet in juffice and gratitude to him, I am pappy in having this opportunity to bear a fill more public attendation to his ingenuity, enterprife and merit; and to acknowledge the effential fervices rendered by that ingenious workman.

FROM THE SALEM GAZETTE.

WHEN particular and interesting occurrences do not employ ou attention, we mult take a more free range among writers upon fubjects which have been thought uleful and inftructive, and which are fummarily treated. The following flate of Europe, as well as of the Ecclefiaftical affairs of France, by a late Noble Emigrant, may be acceptable. We fhall give the flatements in the tranflation. "In Il countries, even among Savages, there is a clafs of fuperior influence, the nurfery of the government of the State. Such are, among the French, the Nobles. Among the English, the Bar, as connecred with Parliament. Among the Dutch, Trade, is connected with riches. The Dutch indeed, and fill more the English, have a strange expression, What is be worth? The answer is in pounds ker-hing : while a man's real worth is in his merit, and not in his money. Among the Spaniards, and in Italy, the Clergy. In Pruffia, the Military. In Germany, Nobility, with a Coat of Arms of at east fixty-four quarters. In America, Agriculure. Among Savages, fuperior firength. Among the Tarks, Slaves educated for the purpole of making Statelmen. The following is a flort, inter-effing, and probably authentic account of the late Exclefiaffical flate of France. " The Church of France is composed of 18 archbishoprics, in the ap-pointment of the King, as are the 118 bishoprics. The parifies amount to 34,498, and there are 4,644 annexed parifies. The regular clergy cou-litts of 16 chiefs of congregated orders, 1100 ab beys and monasteries, comprehending 16 large roy-al abbeys. The King names to 678 of thefe abbeys which are in commendam, and confirms the election of the others. Of religious mendicants there are 1520 convents, divided into 87 monaftic provinces ; the endowed monafteries and abbeys a-

And fhameful to relate, contrary to an ordinance ratified in the city council, 27th Feb. 1796, con-cerning billiard tables, retailing fpirituous liquors, &c. &c. money has been received by men in office, and authority given by the fame, to keep a billiard table, and retail fpirituous liquors. Thefe are facts, and facts are flubborn things, and very hard to be controverted.

The following interrogatories, by way of thort catechifm, are fubmitted to the citizens.

catechilm, are lubmitted to the citizens. iff. How do the city magistrates keep the fab-bath, or Lord's day, holy ? Anfwer—By taking a moderate airing, a recre-ation at cards, for fome other agreeable amufement, and fometimes looking thro' their fingers, and winkng at all transgreffors, especially at negroes and dram fhops.

2d. Is not proface five aring and blafphemy heard in our fireets both night and day ? 3dly. Is not foreftalling, extortion, and every

kind of iniquity winked at ?

4th. Are not all our laws, both to God and man held in universal contempt ?

5th, Who are we to thank for the calamitous conflagrations, that have fo recently and repeatedly taken place in this Metropolis ?

Anfwer-Our good magiltrates, for not fuppref-fing vice and immorality !

6th. The courts of juffice flopped for the bet-ter accommodation of the magistrates to fee the races. At that time of revelling and diffipation, one of the Affociate JUDGES, gracefully galloping up Meeting-fireet, the better to convince the delighted spectators, that he really is-what you may all the THING. And two of his negroes follow

og his ex mple in defiance of the city laws 1 Query-Should not the negroes have a bounty for excelling their mafters in every species of vice, Sc. &c.

It is earneftly withed thefe few hints may hereafter be properly attended to, which is the fincere with of many who are friends to justice, and lovers of their country : Among whom is,

Meffrs. Printers,

Your conftant reader, 2 in the corner.

WINCHESTER, July 29.

Friday latt was committed to the prilon of this county, Jacob Snyder, charged with the murder of Jofhua Strickler, by flabbing him in the belly with a knife, in the county of Hardy.

atience, in the 88th year of his age, Ezekiel Dunning, Elq. He was one of the first fettlers n this county, and always maintained a respectable haracter as a good and useful citizen. Ac was an affectionate hulband, a good neighbor, and an hoiest man.

This Day is Published, By WILLIAM COBBET^or, North Second freet, opposite Christ's Church, The Life and Adventures of PETER PORCUPINE; With a full and exact account of all his authoring tranf-flions in America. By Peter Porcupine himfelt. Aug. 8.

District of Pennfylvania : to wit : B^E it remembered, that on the 5th day of August, in the twentieth year of the independence of the Unit-ed States of America, WILLIAM COBBETT, of the faid didfrict, hath deposited in this office the title of a book, the right whereof he claims as proprietor, in the words fellowing towit

the right whereof he claims as proprietor, in the fellowing : to wit. " The life and adventures of Peter Porcupine ; with a " full and fair account of all his authoring transactions : " being a fure and infallible guide for all enterpriling " young men who with to make a fortune by writing " pamphlets, by Peter Porcupine himfelf. " Now, you lying varlets, you thall fee how a plain " tale will put you down." SHAKESTEARE. in conformity to the act of the Congress of the United States, entitled " an act for the chouragement of learn-ing, by fecuring the copies of maps, charts and books to the authors and proprietors, during the times therein mentioned. Clark of the Diffrict of Penniylvania.

Clerk of the Diffrict of Penniylvania. ¶M4w



Aug. 8

BY AN ARTIST, Refident at Mr. Oellers's Hotel,

MINIATURE LIKENESSES

A RE taken and executed in that elegant and delicate file, which is fo neceffary torender a Miniature Pic-ture an intereffing jewel.

He will warrant a firong and indifputable refer-blance; and be takes the liberty to lay before the public of this place his most carness this most carness to please. N. B. Specimens are to be seen. May 12.