

REFLECTIONS

ONTHE

IMPORTATION

O F

BAR-IRON,

From our own

Colonies of North-America.

IN

Answer to a late Pamphlet on that Subject.

HUMBLY

Submitted to the Consideration of the Honourable the House of Commons, March 14, 1757.



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REFLECTIONS

ONTHE

Importation of BAR-IRON.

THAT Iron, as a Metal, is of infinitely more real Use than Gold, is a Fact too obvious to stand in Need of Proof; since the very Necessaries of Life could neither be procured, nor any useful Art or Manufactory carried on without the Assistance drawn from that valuable Material. It must therefore be of the highest Import to every Nation to procure a Supply of this essential Article sufficient for all its Uses; and if such Nation could procure the Whole, or even but Part of it, out of its own Bowels, it would sin Proportion to the Quantity which it drew from within itself) have the less Reason to depend on a Supply from distant Countries, in Time of War, or any other Emergency, which very Emergency would render the Navigation more tedious and precarious. This is a Truth which I believe will hardly be contested. When therefore we see so considerable a Body of Men, as the Proprietors of the Iron-Works, (sevetal of whom are Persons of the first Rank and greatest Property in the Nation) treated as the lowest and dirtiest of Men. represented so mean as to prefer their own Interest to the general Good of the whole Community, and stigmatized with the opprobrious Name of Menopolizers, an Appellation calculated to expose them

to the Fury of popular Resentment; Self-Desence then becomes a Duty, and when the Case is fairly stated, the Cause of the Proprietors of the Iron-Works

will appear to be the Cause of the Publick.

A late Pamphlet avowedly written to procure the Importation of Bar-Iron from America to every Port of this Kingdom Duty-free, abounds with Investives of this Nature. It is fraught with bold Affertions without Proof, gross Misrepresentations, and groundless Suggestions; and an Air of Popularity is thrown over the whole. To remove therefore those Impressions, which the Varnish of Popularity may make upon those who are either Strangers to, or have but lightly consider'd the Subject, I shall

I. State the Case of the Iron-Works in this King-

dom.

II. Shew the Nature of the Supplies of Iron which

we receive from Rusha and Sweden

III. Prove, that the Detriment arising to the Nation from this Bill, if it should pass into a Law, would greatly outweigh the Benefits proposed by the Importation of Bar-Iron Duty-free from America to every Port of this Kingdom; and I shall consider the Objections of this Writer, as they fall under each respective Head.

Iron is the natural Produce of this Island, as well as Tin, Lead, and Coals, and consequently a considerable Part of our intrinsick national Wealth. Our Mines of this most useful of all Metals are inexhaustible, and would afford a Quantity equal to the greatest possible Demands of this Nation, as far as the Quality will admit of. We have Hands and Industry for Labour, Rivers proper for the Motion of Mills and other Engines, and waste Lands sufficient for the Production of Cord Wood, the want of a proper Quantity of which is the only Disadvantage we labour under: but still a Disadvantage which might easily be removed by proper Attention and Encouragement. Could we raise a proper Supply of Cord Wood, it would be a great Inducement to open new Mines, some of which might perment to open new Mines, some of which might per-

haps produce Iron of a superior Quality to any we have at present.

As the Case now stands, we have 109 Forges in England and Wales, exclusive of the Works in Scotland. Of the Produce of the 14 Forges in Surry, Kent, and Suffex, we have no certain Account; but the annual Produce of Iron made in the other 95 Forges amounts to 16,000 Tons. The Number of Hands employ'd in making fo large a Quantity of Iron, and reducing it to different Affortments proper for the Handy-craft Trade is so well known, that I have no Occasion to speak of it: But the Quantity of Wood made use of (allowing eleven Cords to every Ton of Iron) amounts to 176,000 Cords of Wood. How great a Number of Acres are requir'd to produce this Wood, and how large a Supply of Bark this vast Quantity of Wood annually yields to the Tanners may be easily imagin'd. An Article so essential to the very Being of the Leather Trade in this Kingdom; yet as it is an Article strongly in Favour of the Proprietors of the Iron Works, the Writer abovemention'd has very prudently passed it over in filence, an Omission however which every unprejudiced Person must deem extremely unfair.

But as neither the Quantity or Quality of our Iron will answer the Demands of our Country for every particular Use, we are obliged for a Supply of proper

Iron to have recourse to.

2. Sweden and Russia, the Nature of which Supply, I am now to consider. It is self-evident that Iron is of different Kinds; that each different Kind has peculiar different Qualities, and that each different Quality is adapted to peculiar different Uses.

Hardness is the Quality in which the British Iron is found to be deficient. Hence arises the Demand for an Iron proper to convert into Steel, the Manufactory of which makes a very extensive Branch of the Commerce of this Nation. This Quality is likewise absolutely necessary for the Construction of Anchors, Chain-Plates, and other Articles in Ship-Building, &c., the want of this Quality in our own Iron obliged, and (unless this Defect can be remedied) will ever oblige

us to have recourse to Sweden, as the Swedish Iron is of all others the most applicable to these Uses. As the American Iron, from Experience, is found to be equally deficient with English Iron in the Quality of Hardness, and consequently as incapable, by its very Nature, of being applied to the Uses of Swedish Iron, it must follow, that it cannot possibly supply the Defect of that essential Quality so much complain'd of in the English Iron; since by all Experiments hitherto made, it invariably appears to be of the very same Nature; consequently it can never, in the very Nature of Things, interfere with the Swedish Iron; nor save any Part of those Sums which we are obliged to send annually to Sweden in Exchange for that necessary Commodity.

Swedish Iron is in this Light, in the strictest Sense of the Word, a Naval Store, and how necessary Naval Stores are to a commercial Nation, and how effential they are to our very Being, as a Maritime Power, we leave to every Man's Judgment to determine.

Russia is a Country which enjoys more natural Advantages, with respect to Commerce, than any other Country in the known World. The Extent of her Dominions is immense, and stretches through a variety of Climates. The Number and Size of her Rivers open a Communication not only through every Part of her wide extended Dominions, but into almost every Part of the Globe, and the Carriage by Sledges is so very cheap and commodious, that the most severe Winter rather facilitates than obstructs this Communication. The Cheapness of Land and Labour exceeds that of every other Country, and enables her, not only to supply all her own Wants of Naval Stores of all Kinds, but in a great Measure the large Demands of this Island. Our Russia Company imports annually from 12 to 15000 Tons of Iron, which is all made in Siberia, a Country superior in Extent to all our American Plantations put together, and at least equal to them in every Advantage, with respect to Naval Stores. Land is there at least as cheap, and Provisions as plentiful as in America. The Wood of their yast Fo-

rests costs no more than the Trouble of cutting, and the Pay of a Labourer per Diem, does not exceed an English Half-penny. To crown these natural Advantages, they are inaccessible to a foreign Enemy, and consequently in no Danger of Invasion from any ambitious Neighbour. How large a Quantity of Iron the People in Siberia are able to make may be gathered from the following Relation, "When the Empress " Anna declared War against Sweden, one Demetoff, " chief Master of the Iron Works in Siberia, proposed " an effectual Method of ruining Sweden, without " ftriking a Blow." His Proposal was this --- " That " if the Empress would secure to him the sole Property " of the Mines in Siberia, for a Time specified in his " Propofals, he would engage at all Times to fell his "Iron Thirty per Cent. cheaper than the Swedes could " possibly afford to fell theirs; and even to reduce the " Price of his still lower if it should be found expe-"dient." The Proposal was not indeed accepted, as the Court was afraid to trust so much Power in the Hands of one Man, in a Country at so vast a Distance from the Capital. This is a Fact extremely well known to feveral Merchants now living, who at that Time resided in Russia.

Russia Iron though as yet inferior to the Swedish, is still as far as we can judge, superior in Quality to the English or American, which are both relatively soft, when compared with the Iron of the North, and consequently less proper for the Conversion into Steel.

It is supposed that all the various Kinds of Iron are capable of being converted into Steel; but of all the Sorts of Steel that are made from the Swedish Orground Iron, is by much the best that we are able to prepare in this Nation, nor can we possibly make the fine edged Tools without it. If then Steel prepared from Swedish Iron only is so essentially necessary to so considerable a Branch of the Iron Manusactory, and the Swedish Iron is equally as necessary for the Construction of our Shipping, it amounts to the Force of a Demonstration, that American Iron, which is confessedly destitute of those valuable Qualities, can never possibly interfere

with, or lessen the Demand for that Iron which we are compelled to buy from Sweden.

If on the other Hand Russia is able to make so immense a Quentity of Iron as I have already shewn; if she can sell that Iron to us at a much lower Price than our American Colonies either can, or in all human probability ever will be able to afford it; the Consequence is equally as certain that the British Iron, and that only

must be the Sacrifice.

The Writer seems greatly alarm'd, and endeavours to alarm his Readers too, at the present Connection between France and Russia, which he urges as a conclusive Argument in Favour of the Bill: But the Man must be a shallow Politician indeed, who does not know that there can be no durable Connection between Nation and Nation, but what is founded upon mutual Interest, and that the late patch'd up Affair between those two Powers is (like his seeming Fright) no more than a temporary Expedient just to serve a present Turn. Interest is the only Tye between Princes; and all other Alliances, whether sounded on Inter-Marriages or present political Exigencies, must give way as soon as ever they clash with this indissoluble Tye.

Two Thirds at least of the Russian Exports are taken off by British Subjects, and the Balance of this Trade is so much in Favour of Russia, that she draws a great Part of the Bullion, which when coin'd circulates in Specie, from the British Dominions. And as Britain is the chief Mart, at which Russia can vend her Exports, the Commerce with Britain will be of infinitely greater Value to her, than any Advantages she can ever reap from an Alliance with France. How dear this Commerce is to Ruffa, will appear by the Privileges and Immunities which she has granted by express Treaty to the Subjects of Britain, in Preference to those of any other Nation: And when that able Minister Mons. de Dieu, Ambassador Extraordinary from the States General, in the Year 1745, tried every Method to procure a Treaty of Commerce for his Countrymen the Dutch, on the Plan of that between Britain and Russa: He was put off with this memo-

rable Answer, " That when he could prove that Rus-" fia drew the same Advantage from the Commerce " with Holland, which she did from the Commerce " with Britain, that then the Dutch should receive " equal Favour with the British Subjects." A Fact well known to the noble Lord who refided at that very Time at St. Petersburgh, as Ambassador Extraordinary, and Plenipotentiary from his Britannic Majesty. Russia always looks upon Britain as her hereditary Friend, and even when the Differences between his late Majesty and Peter the Great arose to so great a Height, that the Port of Revel was actually block'd up by a British Fleet, under the Command of Sir John Norris; yet the British Subjects in Russia receiv'd the same Protection, and the same Favours from that great Prince, as they did before that Indignity was offer'd. A Behaviour which undoubtedly arose from a Sense of those signal Advantages which Russia receiv'd from Britain.

I am fensible, that our Commerce with Russia lies open to a very popular Objection, drawn from the large Quantity of Bullion which we annually pay to Russia, where the Balance is considerably against us; but I shall refer my Reader for my Answer to this

seemingly formidable Objection to the

3d Place, where I now come to prove, That the Detriment arising to the Nation from this Bill, if it should pass into a Law, would greatly outweigh the Benefit proposed by the Importation of Iron Duty free from America, to every Port of this Kingdom; and I shall at the same Time consider this Writer and his Objections.

That Colonies under proper Regulations are of great Service to a Nation, is an undoubted Truth; and that they ought to receive the utmost Encouragement (as far as is consistent with the real *Interest* of their Mother Country) is equally as certain. But if they grow up to a State of Independence, or if they draw off too many useful Hands, or interfere with those Manufactures, which are the chief Source of the Wealth of their Mother Country, they may at last prove

prove the Destruction of that Nation to which they ow'd their Being—Rome and Carthage may in some Measure, ascribe their Ruin to the Number and Extent of their Colonies; and Spain, which not two Centuries ago, aim'd at universal Monarchy, is now, by the Loss of her most useful Hands, which together with her Industry passed over into America, dwindled into little more than the Bullion Carrier of Europe, which she was so lately at the Point of giving Law

Though (I hope) no Danger of that Kind will ever be apprehended from our Colonies, yet within these few Years, have they not shewn an encroaching Spirit with respect to the Manufactures of their Mother Country? Are they not encouraged in the Production of every Article which does not interfere with the immediate Produce or Manufacturies of Britain? Aré they not encourag'd to import as great a Quantity of Raw Materials as they are able? Yet did they not rival us so far in the Hat Manufactury, that the Legislature in the Year 1733, were oblig'd to restrain them by a Law, without which this Nation must have inevitably lost that valuable Manufactury? Do they not however still continue to manufacture Hats? Have they not set up many Looms both for Woollen and Linen Cloths, in Spite of all our Laws and Restrictions? Was not a large Præmium allow'd by the Government of New-England to the American Manufacturer for Scythes, Nails, &c. out of their publick Money, and is not the Demand for Scythes from this Country for that Colony now at an End, and does not their Demand for Nails, and fuch Edge Tools as may not require, by the Uses to which they may be adapted, so fine Steel as that which is converted from the Swedish Iron, diminish annually? But I shall make no more Reflections upon the Behaviour of those Colonies, which at this Time may be term'd invidious, fince their present Distress calls loudly for the strongest Assistance from their Mother Country!

That Iron and Timber are of the most essential Use to this Country must be allow'd; and that we were

able to produce a Quantity of each of those Articles. equal to our Wants from our own Island, must be the fincere Wish of every Lover of his Country. Whatever Scheme therefore tends to lessen the Production of those valuable Materials, must be highly injurious to our own Country.—But as this Bill, if it should pass into a Law, would not only lessen, but in the End destroy the Productions of those Materials; (I mean deprive us of the very Means of producing Iron from the Ore to a State fit for the Manufacturers) we have all the Reason to hope from the Wisdom and Sagacity of a British Parliament, that this Bill will never pass into a Law. The two first of these Propositions will scarce be deny'd by the most strenuous Advocate for this Bill; the Conclusion therefore drawn from the Premises remains only to be prov'd, which will bring the Point in dispute to a short Issue.

It is a well known Fact, that there are many Mines of Iron in England and Wales yet unopen'd for Want of proper Encouragement, and it is no less certain, that Scotland abounds both with Wood and Mines of Iron. It is no less certain, that one great Obstacle to Undertakings of this Nature, of late Years has been, least a Bill for importing Bar Iron Duty free from America, into all the Ports of this Kingdom, should pals into a Law: And an Attempt of this Kind made in the Year 1738, actually quash'd a very large Subscription, enter'd into but a little before that Time, for erecting Iron Works in Scotland. Thus the Fear that a Bill of this Kind should either pass then, or might fucceed at some other Time, render'd a most beneficial Scheme absolutely abortive; hinder'd a considerable Increase in the Produce of our own natural Iron, and depriv'd both Parts of this Kingdom of the Benefit of fo valuable an Acquisition. And this will ever be the Case as long as this Bill is held like a Rod over our own Iron Works.

If the bare Terror, occasion'd from a Bill of this Kind, has already had so bad an Effect upon the Progress of our own Iron Works, it must arise from

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this Apprehension; that the inferior Price of the Bar Iron from America, would in the End silence our own Forges, and oblige the Owners of our Woodlands to grub them up, and convert them to some other Use, which might be more profitable. But we hope the Wisdom of the Legislature will free them from these Apprehensions, which are but too well grounded.

The Iron Mines in America are not only inexhaustible, but the Ore lies so very near the Surface of the Earth, that it may be extracted from the Mine with much less Labour, and at much less Expence than we can possibly do in this Country. Wood, the necessary Material for making Iron, is not only worth little, but in many Parts of that Country is a Nuisance; as it prevents the Owners from forming the Land into profitable Plantations. Thus the Price of Land and Wood in America, is little, if at all inferior to Russia; but Russia has so much the Advantage in the Price of Labour, and the Shortness, Cheapness, and Safety of Navigation (in Time of War) that American Bar Iron can never come in Competition with that of Russia at the British Market. The Labour in America is chiefly executed by Negroes, the Price of whom per Head, does not amount to so much as one Years Wages of a British Artificer. The hard Labour is done by the out-door Negroes, every Family of which has a small Portion of Land allotted them by their Master, on which they build their miserable Huts, and raise their own Provision; consequently the Expence of their Food is little, if at all felt by their Owner; and their wretched Cloathing can stand him in but a Trisle. The Price of the Labour of British Artificers in America is undoubtedly much higher than that of the same Kind of Artificers in England; but as most of the Negroes are capable of being form'd into good Artificers, as many of them actually are fo; it is too evident, that notwithstanding the Charge of Freight, (which as Iron is brought in Ballast must be very fmall) and the Expence of Insurance; the American Iron will always greatly underfell the British at Market. Consequently the Plea urg'd by this Writer,

(page 18.) in Favour of this Bill drawn from the Dearness of Labour in America, must fall to the Ground But to avoid Altercation, and to place this Affair in the strongest Light, I shall bring a Case in Point, which I cannot only aver to be true to my own certain knowledge, but it is a Fact well known to every Exporter of Hats from this Country to the West-Indies.—In the Year 1729, I bought a Beaver Hat at Antigua of a Rhode Island Trader for 13s. 6d. Sterling; at my Return the Year following, I shew'd the same Hat to a noted Maker in London, who affur'd me, that he could not afford to make one of equal Goodness with mine for 30 s. Now, although the American bought the Beaver Wool (the raw Material) at a much cheaper Rate than the English Manufacturer possibly could do; yet if the Price of Labour was so excessively high in America, as this Writer reprefents it to be, how was the American Trader able to sell his Hats above 100 per Cent. cheaper than the British Manufacturer could afford to make them for in London, notwithstanding the Expence of Freight to Antigua, and the Risque he must run from the Spanish Guarda Costa's. The Legislature therefore very wifely endeavour'd by an Act of Parliament, to suppress a Manufactury in America, which must have been so fatal to our own in England. Now if the American Manufacturer of Hats, had been permitted to have imported his Hats Duty free to this Island, I leave this Writer to judge, whether we should have had a Hat-maker left in England, notwithstanding the greater Expence of the Freight from Rhode Island to Britain than to Antigua, Negroes do all the laborious Work in America. They work as many Hours per Diem, as the British Labourer, under the Inspection of a strict Overseer, who is never sparing of the most severe Correction if they are idle, of which I have seen many Instances that were even shocking to human Nature: Spirituous Liquors, the Bane of the British Labourer, are out of the Reach of the Negroe, why therefore the Negroe should not be as strong and as capable of hard Labour as the British Labourer, is to

me incomprehensible; nay, if we consider the enerva. ting Quality of spirituous Liquors, from which it is impossible to debar the British Artificer, I should imagine the Negroe to be much more fo. If therefore the American by the very Situation of his Mines, can raise his Ore with much less Labour than the Briton; if by the inexhaustible Store and Cheapness of his Charcoal, he can run it into Pigs, and forge it into Bars, (which is by much the most laborious Part of the Work) by the Assistance of his Negroes, it is evident to Demonstration, that the American Bar Iron (if allow'd to be imported Duty free into every Port of Britain, the Point concluded for by this Bill) can be afforded so much cheaper than the Native Bar Iron of Britain; that those fatal Consequences which we fo much apprehend must inevitably ensue, viz. the filencing of our Forges, and the Destruction of our Woods, which constitute so large a Part of the landed Interest of this Kingdom.

I am at a Loss to know what this Writer means (p. 23.) by the Parallel he draws between Wool and Fron. I know of no foreign Wool imported Duty free, the Spanish Wool only excepted, which is as esfentially necessary to the Construction of our Superfine Cloths, as the Swedish Iron is to our Steel Manufactury, or our Shipping. We buy them both from those Countries for the very same Reason, which is, because we cannot do without them. If we could grow as fine Wool at Home as the Spanish; or could procure Iron of the same Quality as the Orground, either from the Mines of Britain or America, should we buy one Ounce of either from Spain or Sweden? Can we import Wool from any Country in Europe (Spain excepted) equal in Goodness, to what grows in our own Dominions? If Wool could be procur'd of equal Goodness from Flanders, Germany and Poland, (p. 24.) would France purchase ours at so high a Price from our Owlers? Would our Owlers run the terrible Hazard of Outlawry, and inevitable Death (if taken) if they did not think the Profit worth the Danger? We grow already more Wool than we can consume, witness the present

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present very low Price of it, notwithstanding the vast Quantities of which are annually smuggled into France. We permit Irish Wool indeed, to be brought into a few licenced Ports in England, not because we really want it, but to prevent that most valuable Material from falling into the Hands of our hereditary Enemies. Alas! the Woollen Manusactury has long been in a declining Condition, and I fear declines daily; should we then be oblig'd to grub up our Woodlands, and convert them into Sheep-Walks, as I have plainly prov'd, this Bill will oblige us to do, by silencing our Forges, the Wool Growers might then raise an Outcry indeed, (p. 23.) since Wool in that Case, must either be a mere Drug at Home, or increase the Smugglers Harvest for a French Market.

As this Bill proceeds on the Supposition, that the Importation of Bar Iron from America Duty free to every Port in England, will save us those large Sums of Money which we fend annually to the North for Iron, I shall here consider that very popular Topick, which is the Subject of so much plausible Declamation, and appears so formidable to those who are

Strangers to the Genius of Commerce.

That Naval Stores of all Kinds are effentially neceffary to our very Existence as a trading Nation, and a maritime Power will be granted.—Oak we have large Quantities of for Plank and Timber, and fuperior in Quality to any yet known for those Uses. Elm we have for Keels in sufficient Quantity, and sufficient for our largest Demands for that Purpose. How wrong a Measure must it then be to pass any Bill into a Law, which tends so manifestly to lessen, if not totally destroy the Production of those valuable Stores in this Island, which must be the Consequence if this Bill should pass into a Law, as I shall shew presently, Masts for our largest Ships we are oblig'd to fetch from New-England; because we cannot procure any of fo very large a Size from Russa; Masts for all our Ships of War from fourth Rates downwards: inclusively, we import from Russia; because we not only find the Russian Masts to be superior in Quality

to any of those brought from New England, but also by the Shortness of the 'Distance less expensive, and much more easily imported from thence than from New England, especially in Time of War. Necessity therefore alone compells us to go for Masts to America, because we can procure no others of equal Size, and at the same Time cannot fit out our 1st, 2d, and 3d Rates without them. Pitch and Tar we are obliged to import in large Quantities from the North; and must be compell'd to do it till our American Tar can be made equal in Quality to the Tar of Sweden and Norway. Hemp we have entirely from Russia, which is better for Cordage, and cheaper than any we can possibly procure from any other Country. We receive likewise from thence large Quantities of Flax and Sail-Cloth, as our own Manufactury of Sail-Cloth is yet but in its Infancy. Iron for Anchors, &c. we fetch from Sweden. It is allowed that for all these Articles, including Iron, Pot-Ash, Bees-Wax, &c. from Russia, we pay annually a very confiderable Balance in Foreign Coin, which in the Commercial Language is termed Bullion.

I have fairly stated this very popular Plea, and I must now ask, --- which Way is the Exportation of Foreign Coin or Bullion in the least prejudicial to the national Interest? The national Coin is render'd facred by Law, as it ought always to be in every Country which is destitute of Mines of Gold and Silver; but Foreign Coin, or Bullion, is in a commercial Light as much a Commodity as Lead or Tin. Industry is the true Source of Wealth, and whilst we have that, our Manusactures will produce us Gold and Silver.

If therefore the Argument drawn from the Exportation of Bullion, be at all conclusive, it will conclude much more strongly against the East-India Company, which pays annually a much larger Balance in Bullion for Commodities, some of which are useless, and many others mere Articles of Luxury only; whereas the Commodities imported from the North are absolutely necessary to our very Exigence, as a Trading Nation, and a Maritime

Maritime Power. Yet that Company always has received, and does still receive, the greatest Support and Encouragement from the Wisdom of the Legislator.

This Writer triumphs much (p. 13) on the happy Consequences of making Pitch and Tar in our own Plantations. I believe every Man who fincerely loves his Country, is as much pleased with the Success of that Undertaking as himself. For as Pitch and Tar never were, nor ever can be produced in our native Country; a Scheme of that kind never could do the least possible Injury to our Landed Interest, which ought always to be the first Object of our Concern. But the Case of the Importation of Bar-Iron, as contended for in this Bill, is widely different; fince (if it should pass into a Law) it must give a fatal Blow to a considerable Part of our Landed Interest. I have already proved this, and shall confirm it still more by the following Confideration; --- That by filencing our Forges, it will oblige us to grub up our Wood Land, and in the End prove the Destruction of our Timber, and the ruin of our Leather Trade. Every one who is acquainted with the Nature of Vegetation, must be fenfible how absolutely necessary Coppices are for the Growth of Timber, fince the young tender Saplings could neither stand the Cold in Winter, nor the Heat in Summer, without the Defence and Shelter of Underwood. Now the Method of the Wood-Owner is this, --- He divides his Wood into a Number of Cuts, proportionable to the Number of Years required by the Soil to produce Wood fit for Charcoal. At the first cut he leaves all those Saplings which appears most likely to come to good Timber, and he does the fame in every other Cut till he returns to the first Cut, which now fucceeds in Rotation, and affords a fresh Supply of Charcoal. He then takes away the least promising of the Trees left before for Timber, and so on in every fucceeding Cut, gradually thinning the Timber Trees in every Cut, as they advance in Size, 'till he leaves room for a sufficient Supply of Nourishment for every Tree, 'till it comes to its full Growth. That this is the conftant Practice of the Wood-Owners, who supply the Forges, may be proved by ocular Demonstration, to any one who will look over the large Old Woods destin'd for that Purpose, which abound with Timber Trees up to the Growth of even one bundred Years. Thus our Iron Furnaces and Forges are real Nurses for Coppices and Timber, and real Wood Preservers, instead of Wood Devourers, as this Writer (p. 22) is pleased ludicrously to stile them, in which ludicrous Term consists the whole Force of his Proof.

How effentially necessary the Oak-Bark is to the Manufactury of Leather, every Tanner can inform us. By the Affiftance of our Coppices preserved for the Use of our Forges, we are able not only to supply our own Demand, but Ireland likewise with this most useful Material. I again repeat the Assistance of our Coppices preserved for our Forges, because the Supply of Bark from them is, and (whilft the Forges remain) ever will be permanent and constant, whilst the Supply from casual Falls of Wood must be extremely precarious. For as the Prospect of Profit from Timber only is extremely distant, the Profit arising from Bark alone would never pay the Rent of the Ground which the Underwood must shade. Thus our Timber, our Coppices, and our Bark, must (if this Bill pass into a Law) all fink in one common Ruin with our Forges. As this Writer has no where pointed out to us any Resource for a Supply in case of such an Event; I suppose he expects that we should import this Material too from America, and reserves it to make up his Cargo of light and heavy.

I shall pass over his Affertions relating to the Qualities of American Iron, (p. 11 and 16) because bare Assertion without Proof is of no Weight on either Side, and proper Proof will be undoubtedly required by those who are to be the final Judges. But I must just remark upon his Affertion, (p. 13) that Iron in Bars can be more commodiously frow'd in the Hold of a Ship than Iron in Pigs; that from the little Knowledge I have of the Stowage of a Ship) it is just as absurd, as if any one should affert, that Wood in Plank

is of more commodious Storwage in the Hold of a Ship than Wood Billets.

The Argument on which this Writer depends most, is drawn from the following Consideration, (p. 15) that as the Americans are not able to take from us a Quantity of our Manufactury equal to their Demands for them, because they are not able to make proper Returns for such Manufactures, by way of Barter or Payment; therefore if the Americans were allowed to send us more raw Materials, they would be able to take more wrought Goods from the British Manufacturers in Exchange, a Commerce which would prove to be most highly advantageous to both Countries: Hence he infers the Reason (which he calls the most interesting to Great Britain) why this Bill should pass into a Law.

In answer to this I must observe, with respect to the Importation of Bar-Iron, (the only Material contended for in this Bill) the very Reverse of this Proposition is most probable; and in Cases of this Nature we are able to reason on both Sides only from Probability.

If the Americans' would fupply us in Barter, or Payment, with unmanufactured Commodities, fuch as Iron in Pigs, Hemp, Flax, Pot-Ash, Bees-Wax, and such kind of raw Materials, or with such kind of manufactured Commodities as would neither interfere with our Landed Interest, or Home Manufactures, as Pitch, Tar, Yards, Masts, and such like, his Argument would be extremely just. But if the American Manufacturer, by the Cheapness of his Iron, by the Prosit of manufacturing that Iron at Home, by saving the many Expences, and by avoiding the many Delays and Disappointments, and the Damage which must necessarily attend the Exportation of his Bar-Iron to Britain, and the Importation of the manufactured Goods back again to America, will upon an Average reap an Advantage of 45 l. per Cent. then the Probability will be strongly against the Benefits proposed by this Bill.

It is objected by this Writer (p. 17) (who treats all Apprehensions of this Nature as Chimerical) "that C 2 "nothing

" nothing but absolute Necessity can oblige the Ameri-" cans to commence Manufacturers, which Necessity " must arise from our not allowing them the Means of 55 purchasing our Manufactures; and that this their " Necessity has been the Cause of their setting up so " Works already of different Kinds."

But this Objection (by this Writer's own Confession) comes too late. For he acknowledges in his very Objection, that the Americans have already set up many Works of different Kinds, from a Necessity which (as he affirms) is caused by our not allowing them the Means of purchasing our Manufactures. But this Writer must pardon me if I affirm, that this Affertion is not strictly true. In the late War with France, many Works were set up in America, particularly Looms for Woollen and Linen Cloth in such Number, that a Governor of Maryland reported to the Secretary of State for that Department, "That the Houses in Maryland alone " were full of them.

The true Plea for this Proceeding of theirs, was this; that the Merchant Ships freighted with those Commodities for the Use of our Northern Colonies, were detain'd so long at Spithead, by contrary Winds, or waiting for Convoy, that the Goods were either so much damag'd by lying so long on Board, or so dear from the Expences necessarily occasion'd by that Delay; that they were either utterly unserviceable, or offer'd to Sale at a Price too high for their Ability to purchase. This was the true State of the Case, which arose not from our Fault, but from our Misfortune, fince the British Exporters in that Case, must be the greatest, if now the only Sufferers. Now as we never have been, nor can ever hope to be long at Peace with France, the same Plea of Necessity will be always a ready Excuse for the Americans to make in Favour of new Works, and new Manufacturies. For can human Power insure ? fair Wind; or can the Necessities of Government always permit them to provide an immediate sufficient Convoy, when at War with a formidable Power?

Consequently this Bill (if it should pass into a Law) would be fo far from procuring to us the Benefits pro-

posed by its Advocates, that the Americans will be no more persuaded to break up their already numerous Works and Looms, merely to please the British Manufacturers, than (to make Use of his own Concession, in his own Words, p. 17.) "They will now be persuaded to break up their numerous Iron Works to please the " Iron Masters of England.

To enforce this Objection, this Writer afferts, (p. 18.) "That a supposed Rivalship between our Colo-" nies and us is impossible, as far as concerns the Iron "Manufactury," from the high Price of Labour in America; from the Inability of the Negroes to perform the Work so cheap, or so well as White Men; and from the Want of Pit-Coal; as he looks upon this Stroke as decisive, he triumphs greatly, (p. 19.) on his imaginary Victory. But if we bring this fanguine Writer to the Test of Truth, we shall find him just as unfortunate in his Assertions in this Objection, as he was

in those in the former.

The Objection drawn from the high Price of Labour in America, and the supposed Inability of the Negroes to perform the Work in the Iron Manufactury so cheap and so well as white Men, I have spoke to and disproved already. But this Writer afferts, "That the Ameri-" cans have no Pit-coal on this Side of the Apalathean Mountains, a Space which comprehends almost all the Land worth inhabiting which the French Cosmogra-phers are pleased to allow us on the Continent of America. We on the other Side affirm, that they have Pit-Coal, and may find vast Quantities of it in that immense Tract of Land which lies on this Side of the Apalathean Mountains, as soon as their troublesome Neighbours will fuffer them to live in Peace. But admitting even that they had no Pit-Coal how would the want of that render their Iron Manufacturies unable to rival ours? It is a well known Fact; that Iron can be slit and manufactur'd by band at a reasonable Expence without the Aid of slitting Mills where there is great Plenty of Charcoal; and that we make use of Pit-Coal in our own Country; because it is much cheaper to us than Charcoal. The Argument will then

then turn upon this short Point.—Either the Americans bave Pit-Coal or they bave not. If they have Pit-Coal, the Objection drops; if they have it not, they must find their end answered as well by the Use of Charcoal. For it has been proved at the Board of Trade and before several Committees upon former Occasions, by the clearest Evidence, "That so long ago as the Year 1733. there were six Furnaces and nineteen Forges in New England only; and that such Improvements had been made there in the mechanic Arts; that Hoes, Axes, Scythes, Nails, and other Iron Utensils, were made there not only for their own Use, but exported from thence to the other Planta-

This Writer afferts, (p. 18.) "That the Swedes are far behind us in the Iron Manufactury (he might have added the Russians too) and he imputes "this "Backwardness of theirs in the Iron Manufactury to the Want of Pit-Coal because they cannot procure them but at such a Price as will necessarily turn the Balance in our Favour.

But if Charcoal will supply that Defect, of which both those Countries possess an inexhaustible Store, besides the excessive Cheapness of their Labour, the true Cause must be (and it really is in Fact) the Want of Skill and able Artificers in the Iron Manusactures, in which Articles it is well known that the Artificers of our own Country exceed all the rest of Europe. This Writer apprehends (p. 9.) "that as both Swedish and "Russia Iron are liable to the Comptroll of their respective

"Governments, the Exportation of their Iron may be flopp'd at Pleasure (and from the present Appearance of publick Affairs he knows not how soon) or may have additional Duties laid upon them in pro-

" portion as those Governments shall take a Disgust to or perceive that the British Nation cannot do

" without their Iron.

" tions.

His political Apprehensions arising from the present Appearance of publick Affairs in the North, I have already shewn to be groundless. But if they should stop the Exportation of their Iron from any Disgust to

the British Nation, we may venture to affirm, that this Disgust will arise from their Jealousy of our Colonies if this Bill should pass into a Law. I say this supposed Disgust will arise from this Jealousy only. For it is certain that both Sweden and Russia are jealous, least our Colonies should in time deprive them of the Trade with Britain, the Sweets of which they have so long experienced. Should they stop the Exportation of their Iron at this time (as this Writer apprehends they may do it foon) how deplorable our Situation must be is but too evident, fince we have no other Resource; a Consideration which should induce us to reject this Bill, and encourage the opening of new Mines in Great Britain. and increasing the Quantity of our own Iron, which as it could give no Umbrage to those Powers; would be the best Remedy for the Inconveniencies arising from the Want of Iron (if true) which are so louldly complained of by this Writer.

I fincerely wish we could supply ourselves with Hemp, Flax, as well as with Pitch and Tar from our Northern Colonies; but alas! this Writer has been unfortunate in the Choice of his Spot (p. 14) for that purpose; since by Account received from America dated last October, it too plainly appears, that as we have been obliged to leave the Country of the Six Nations to the Mercy of the French, "That fine " Country on the Mohawks River down to Albany, is " by this Step left open to the Ravages of the Ene-" my, and an easy Passage opened to the French and " their Indians into the Provinces of Pensylvania and " New Jersey." If then Affairs of that Country are in so desperate a Situation, as they are represented to be by our last Accounts, God alone knows how long our Northern Colonies may continue in our Possession.

F I N I S.