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PAPERS
RELATING TO THE IMPROVEMENT
OF THE
NAVIGATION OF THE RIVER DOURO
FROM ITS MOUTH
TO THE
BARCA DE VILVESTRE IN SPAIN;
AND TO
THE MAPS OF THAT RIVER, AND OF THE WINE-DISTRICT
OF THE
ALTO-DOURO,
BY
Joseph James Forrester,

Oporto
COMMERCIAL PRINTING OFFICE

1844.

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PAPER

NAVIGATION OF THE RIVER DOURO

MARCA DE ALVARES IN SPAIN

THE MAPS OF THE RIVER AND OF THE WINDMILL

ALTO-DOURO

BY

Joseph James Fortes

1844

Government Printing Office

1844

ARRAES OF THE ALTO-DOURO
 OF THE
ARRAES OF THE ALTO-DOURO
 TO
Mr. FORRESTER.

III.^{mo} Senhor *Joseph James Forrester.*

SIR,

It having been very generally rumoured in this Country, that you have in view, the great and most important project of improving the navigation of the Douro, by which both time and expense will be saved to the Boatmen, without disadvantage of a pecuniary kind to commerce, but on the contrary great advantage to the same, through the facilitation of the transit of Goods; knowing also from our own observation, that you have been long occupied in surveying both the River and adjacent Country, we have reason to be convinced that you are in possession of the best information upon this important subject; and as we have entire confidence in your good intentions towards us; We, the **ARRAES OF THE DOURO**, beg leave unanimously, to urge you in the strongest manner, to proceed without delay to the accomplishment of a scheme, so well calculated to benefit the Country at large, and to confer an incalculable benefit on ourselves.

The attention which Her Majesty's Government has, during many years, given to this matter, employing not only engineers but persons of distinction in inquiring into it, has been such, that we cannot doubt that the desire of the Government is to accomplish what you design; although, until the present time, no material improvement of the river has resulted from the endeavours of the Government. We therefore, having the confidence in you which we have expressed, trust that Her Majesty's Government will receive favourably any proposition you may make, of the nature of that to which we have alluded; assuring you that in carrying out your scheme, you will always have our best, and resolute co-operation; and that not only we, but all our connexions and relations, shall feel most grateful for its accomplishment.

Alto Douro 30.th September 1842.

(Signed) João Pinto Macho de Magalhães — Damasio Pinto Cardoso — Bernardo Pereira Dias — Bento José Guedes — Manoel Pereira Ramalho — Carlos Pereira Cortez & by 37 other arraes of the Douro.

MR. FORRESTER'S REPLY

TO THE

ARRAES OF THE ALTO-DOURO.

SIRS,

I regret that by reason of my absence from home, I could not sooner inform you, of what I now hasten to assure you, that I have received with the greatest pleasure the expression of sincere confidence and good-will, manifested towards me by a Body so highly respectable and important as Yourselves. With the character of that Body I have long been acquainted; and the transactions I have had with many of its members, have confirmed me in the opinion which I had formed at an early period, of their courage, skill, integrity and good disposition.

You may be assured that if my labours promote in any degree the welfare of yourselves, or your connexions, it will be to me a source of the most lasting gratification.

It is true that my attention has been for many years devoted to the object you mention; and that in consequence I have drawn up such a plan as that to which you allude. I have, however, as yet made no proposition to Her Majesty's Government on the subject; nor have I communicated the scheme to any one, in this Country, but to one Gentleman: and whether I shall be able to carry it into effect, and even the time at which I may be able to submit it to Her Majesty's Government, depend upon so many and various circumstances, that I cannot state when I may take any decisive step in the matter.

With relation to these circumstances, I may observe that the Government has directed surveys of the River to be made, as well as (I am informed) sundry works in it.

What effect these surveys may have on the designs of the Government, or to what extent the works may facilitate, or render more difficult, the operations contemplated by me, it is impossible for me at present to judge; nor can I yet know whether any engagements on the part of the Government, with the owners of property on its banks, have been effected. This last is a matter so important, that without a full knowledge of it I could not venture to move; as the engagements, if there be any, may be of a nature to render my scheme utterly impracticable.

I am, however, about to produce two Maps, one of the Portuguese-Douro and one of the Wine-Country; and I trust to the well known benevolence of the inhabitants of that district for the reception of them, as a proof, if not of my ability,

at least of my desire, to promote their interest as much as is in my power, which in truth is the object of my labours.

I am not aware whether other parties interested in this matter, entertain the same wish, which you have so flatteringly expressed, that I should proceed in my labours; but it is probable that I shall know in due season. In the mean time your wishes are a strong inducement to me to make, if I am able, propositions to Her Majesty's Government on the subject. And I feel satisfied that the maternal goodness of Her Majesty, and the wisdom of her Government, will insure for my project every attention which it merits; and should it be adopted, I can announce to you with confidence, that it will be accomplished in *three years* from the date of its acceptance. I am, Sirs,

Your most obedient Servant,

(Signed)

Joseph James Forrester.

Oporto 8.th November 1842.

ADDRESS

OF THE

MUNICIPAL CHAMBER OF OPORTO

TO

Mr. FORRESTER.

Ill.^{mo} Senhor *Joseph James Forrester.*

SIR,

It having come to the knowledge of the MUNICIPAL CORPORATION of this unconquered City of OPORTO, that you have undertaken various works relating to the River Douro, and the improvement of its Navigation, which are in a very forward state, (and especially the Map of the Wine-District;)—having for such noble ends made great sacrifices both of your time and money, not having spared any thing in order that the said map may be as perfect as possible, and contain a minute description of all that is remarkable in that country, as well as many and different instructive and scientific expositions, in which you display your talent, and transcendent skill, and the estimation in which you hold our country:—the same Chamber over which I have the honour to preside, and of which therefore it belongs to me (with great satisfaction on my part on this occasion) to be the interpreter, —resolved in session on the 7.th instant, to give a publick testimony of the esteem which they

dedicate to you personally, and of their gratitude for having undertaken such valuable works, (which will be to you a monument of glory,) sending you an extract from their Records; and at the same time, in the name of their constituents, they beg you not to desist from carrying through so glorious an enterprize, making publick your works to which you have so diligently applied yourself: and, if necessary, the Chamber protest that they will afford you any assistance in their power, in order to obtain the desired end.

God preserve you.

Oporto, and Palace of the Council 13.th December 1842 —
(Signed) Antonio Vieira de Magalhães = President.

Extract from the Records.

« Upon the proposition of Mr Alderman Köpke, it was resolved, that a letter of thanks should be directed to the English Citizen Forrester, for the laborious work which he had undertaken, of laying down a plan of the Wine-Country, and begging of him to carry through so interesting an enterprize.

The proposition of Mr. Alderman Köpke was conceived in the following terms.

That he knew that the Illm.^o Senhor Joseph James Forrester had undertaken different and important works relating to the navigation of the River Douro; a description of the Wine-Country; a Geographical Map of the same Country; and another of the River Douro, from the Spanish frontier to its mouth; each of these maps containing the most minute instruction, and useful information.

That in these works that Gentleman had expended much time, much labour, and a considerable sum of money; and that to his great regret, he had been told that the said Gentleman did not intend to give the publick the fruit of his valuable exertion; notwithstanding his, Mr. Alderman Köpke's, knowing that a great part of such works is completed, and in such a manner, that they do much honour to the scientifick and artistick talents of their author.

That it is well known how much our Country is in need of works of this nature, executed with the perfection and exactness with which he knows that these are executed; and that he conceives, therefore, that this Chamber should do every thing in their power in order that so valuable a work may not be lost to the Country: for which purpose he proposes that this Chamber give to Senhor Joseph James Forrester, a publick testimony of the esteem which they dedicate to him personally, and of their gratitude for having undertaken such valuable and useful works, sending him an extract from the Records of their session: That they invite him to give the fruit of such labours im-

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mediately to the publick, not desisting from carrying through his enterprize, which, besides, will be to him a monument of glory:

That this Chamber solemnly declare that they will afford to him every assistance in their power.

This proposition being supported by the president and other aldermen, it was unanimously adopted in all its parts.»

Mr. FORRESTER'S REPLY

TO THE

MUNICIPAL CHAMBER OF OPORTO.

Ill.^{mo} e Ex.^{mo} Snr. *Antonio Vieira de Magalhães.*

SIR,

THE testimony of esteem communicated in the despatch of your Ex.^y, of the 13.th Inst. (which I received on the 17.th.) from the Illustrious Body over which your Ex.^y so worthily presides, is of a character, which would have rendered it a most valuable addition to the honours of any man, however greatly distinguished he might be for the accomplishments and science, which they are pleased to ascribe to me, but which I am far from possessing.

It is natural that a corporation animated, as that is, by a lively desire to promote the welfare of the Country, should regard with partial eyes, works having such a tendency as those, which have procured for me their most gratifying notice; and it is to this alone that I attribute the flattering terms, in which those works are mentioned. I accept however with gratitude, and without scruple, whatever portion of the esteem, which the Illustrious Chamber manifests for me, may arise from their belief of my sentiments of respect and regard for this Country; because that belief is in strict accordance with the truth.

These sentiments have been fixed in my mind by an uninterrupted series of proofs, which I have received, of the kindness and benevolence of the Citizens of this Municipality, without distinction of classes or political opinions, crowned now by the fact which I have the high satisfaction of acknowledging: and it will therefore give me the sincerest pleasure, should the effect of my humble endeavours justify, in any degree, the anticipation of the Illustrious Chamber.

The Map of the Wine-Districts of the Alto-Douro is ready for the engraver; and, could the engraving be executed in this Country, I should at once conform to the desire of the Illustrious Chamber. I regret, however, to find that it cannot be fin-

ished, either here or in Lisbon, in a suitable manner; and that therefore, if it be engraved at all, it must be completed in London.

Being unwilling that the produce of my labours (which have been considerable, altho' they may not have had an adequate result) should become the prey of literary pirates, I some time ago addressed a petition to Her Majesty, stating these circumstances, and praying that the Copy-right might be secured to me.

My application (which, under the circumstances of the case, seems not an unreasonable one) has not yet been decided on: but should Her Majesty be graciously pleased to grant my request, I shall lose no time in gratifying myself by laying the Map in a complete state, before the Illustrious Chamber.

I have to request that your Ex.^y will do me the favour to acquaint the Illustrious Chamber with what I have submitted to you; and to convey to them generally, and to every member particularly, my most respectful thanks for the publick act, by which they have been pleased to distinguish me; and that your Ex.^y will accept my warm acknowledgement, for the very obliging manner in which you have been so good as to communicate their honourable resolution to me.

I have the honour to be, with particular esteem and respect,

Your Excellency's

Most Obedient Humble Servant,

(Signed)

Joseph James Forrester.

Oporto 19 Dec.^r 1842.

MR. FORRESTER'S SECOND LETTER

TO THE

PRESIDENT OF THE MUNICIPAL CHAMBER OF OPORTO.

Ill.^{mo} e Ex.^{mo} Snr. *Antonio Vieira de Magalhães*

SIR,

Having always a grateful sense of the flattering application, which your Excellency made to me in the name of the Illustrious Chamber of this unconquered City, respecting the publication of my map of the Douro-Wine-District; I think myself bound to inform you, that conformably to that application, and others of a similar character, which I have received from other important

bodies, and individuals of consideration, I have resolved no longer to delay the publication in question, in the expectation of a decision upon the memorial which I had the honour to address to Her Majesty, having in view the securing to me the Copy-right of that map; and that I have forwarded the map to an eminent Engraver in London, with a request that he will engrave it as quickly as possible: and I trust that, a few months hence, I shall be enabled to lay a proof-copy of it before yourself, and the Illnstrious Body over which you worthily preside.

I have the honour to remain, with consideration and respect,

Your Exeellency's

most humble and obedient servant,

(Signed)

Joseph James Forrester.

Oporto 15.th Feb. 1843.

ADDRESS

OF THE

AGRICULTURAL SOCIETY OF THE DOURO

TO

Mr. FORRESTER

Ill.^{no} Senhor *Joseph James Forrester.*

SIR

THE Direction of the Agricultural Society of the Douro, recognizing and duly appreciating your unwearied exertions to make known to the Commercial part of the civilized world, the riches of the margins of the Douro, by means of a Topographical and Hydrographical Map, which displays at once the productions of the soil, and the difficulties of the navigation of the river, consider it their duty, echoing the sentiments of all the agriculturists of the Douro, to express, as they now feel much honour in expressing, to you, in the name of all of them, their estimation of the noble and valuable services which you have, by your work, rendered to these agriculturists, and to the whole kingdom; and they hope that you will not desist from carrying through your noble and useful enterprise, in which this Direction offers to assist you in every way you deem necessary.

Be pleased to accept the assurance of our gratitude, and the expression of our particular esteem and consideration.

God preserve you. Regoa, in session of the Direction of the 11.th Feby 1843.

(Signed) Antonio Teixeira de Souza da Silva Alcoforado Magalhães, President. — Manoel de Castro Pereira — Francisco Ferreira Pinto Ozorio — Affonso Botelho de Sampayo e Souza — Carlos Joaquim Ferreira de Carvalho.

MR. FORRESTER'S REPLY

TO THE

PRESIDENT OF THE DOURO AGRICULTURAL SOCIETY.

SIR

I beg you to accept, and to express to the Illustrious Association of which you are the worthy President, generally, and to each of its members in particular, my warm acknowledgements for the very flattering and gratifying manner in which they are pleased to consider my labours in surveying the Country adjacent to the Douro, and the River itself. This testimony to my anxiety to advance the general interest of that Country, so far as lies in the power of a humble individual like myself, by laying before the Publick such a work, as shall enable them, at least, to form an accurate judgement as to the real character and nature of the same, coming from a body so perfectly competent to judge of, and so deeply interested in, the matter, is in the highest degree important and acceptable to me.

I beg you, the Illustrious Association, and the important body which they represent, to be assured that if I can by my work confirm, in any degree, their present gratifying sentiments towards me, I shall consider my doing so, of itself a sufficient compensation, for the labour and expense which I have incurred in it.

For the greater convenience of the Publick, I have thought it expedient to compose, from the result of my surveys and observations, two maps; one having in view chiefly the River and its navigation, the other the Wine-Districts of the Douro.

The first mentioned map is far advanced; and, although it is a work abounding in difficulties, I trust I shall be able, not long hence, to perfect it.

The latter work is completed, and would have been placed in the hands of the Engraver some time ago, but that I waited for the decision on a memorial, which I had the honour to address to Her Majesty the Queen, praying that the Copy-right in this Country might be secured to me, and which decision has not yet been given.

In consequence, however, of the request made to me by the Illustrious Association of Agriculturists of the Douro, and other important bodies, and considerable personages, I have resolved no longer to delay the publication of the map of the Wine-Country; and have accordingly, forwarded it to one of the first Engravers in London: and I trust I shall, in the course of the coming Summer, be enabled to do myself the honour, and pleasure, of laying before the Illustrious Association, copies of the work, in proof of the attention which I consider myself bound to pay to the desire you have been pleased, in so obliging a manner, to convey to me.

I have the honour to remain,

SIR,

Your most obedient humble servant

(Signed)

Joseph James Forrester.

Porto 15.th February 1843.

MEMORIAL OF THE DOURO AGRICULTURAL SOCIETY

TO

HER MOST FAITHFUL MAJESTY THE QUEEN

DONA MARIA II.

Madam.

The Direction of the Agricultural Society of the Douro begs respectfully to represent to your Majesty, that knowing the great labour, and enormous expense, with which *Joseph James Forrester*, a British Merchant, many years resident in Portugal, has surveyed the River Douro, its margins, and the Wine Districts; and that with great talent, skill and perseverance, he has prepared the most useful and valuable information on the interesting, but, until now, almost unknown Wine-Districts; and also as to the extent to which it is possible to carry the Navigation of the Douro; he having already completed a map of that country, and prepared another of the course of the River; thereby manifestly rendering the great service to Portuguese Commerce,

• Representing the 19 Concelhos of the Douro Wine-District.

and to the Civilized World; and this Direction having ascertained the excellence of those works, addressed itself to the illustrious Author, earnestly entreating him to give them to the Publick; to which he at once acceded, sending the map referred to, to be engraved in London, in the most perfect manner.

This Society, however, greatly regrets to find that *Joseph James Forrester* apprehends that he will neither enjoy the fruit of his great labours and expenditure, nor attain the credit, which all Authors so justly desire to attain, owing to the possibility of his works, (which he undertook principally as a mark of his esteem and interest for this Country,) being falsified and converted to illicit gain, — if Your Majesty be not pleased to dispatch favourably the memorial, in which he stated the impossibility of getting the said works engraved in Portugal, with the necessary perfection and delicacy, and praying, for this reason *only*, that the Copy-right of the works in this Country, although they should be engraved out of Portugal, might be secured to him.

The Direction of the Agricultural Society of the Douro, deeply impressed with the conviction of the great utility of protecting works relating to Portugal, so rare and excellent as those alluded to, the publication of which is of such great interest, especially to the provinces of the North; respectfully begs that Your Majesty, in consideration of what has been stated, will deign to concede to *Joseph James Forrester* the favour he sought; in order that the Publick, and especially this Country, may enjoy, without delay, the advantages which it anticipates from the production of the works in question. Regoa, in Session of the Direction 27th March 1843.

(Signed) Antonio Teixeira de Souza da Silva Alcoforado
— President — Francisco Ferreira Pinto Ozorio, Director —
Affonso Botelho de Sampaio e Souza — Director — Carlos Joaquim Ferreira de Carvalho e Cunha — Secretary.

A memorial with the same prayer was address by this Society to the Chamber of Representatives of the Nation.

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THE COMPANY FOR THE CULTIVATION
OF THE
VINEYARDS OF THE ALTO-DOURO
TO THE
DEPUTIES OF THE PORTUGUESE NATION.

The Administration of the Company for the cultivation of the vineyards of the Alto-Douro cannot refrain from joining their prayer to that of the various Chambers, and other Corporations in favour of the British Merchant Joseph James Forrester, that the Copy-right in this Country of his Map of the Wine District, which he has sent to England to be engraved, may be granted to him.

This work is the result of much study, and reflection, and great pecuniary sacrifice; and must prove of the greatest utility and convenience to the Country.

It is not only the first of the kind, but presents, in every respect, an exactness, which it would be impossible to exceed, and very difficult to imitate.

The Author of this interesting work has already petitioned the Government of Her most Faithful Majesty, that his Copy-right may be secured to him; but his memorial has not been favourably despatched, probably on account of its being necessary to make an exception to the general Law; and this being beyond the limits of the Executive-power.— But you, Gentlemen, who *can* grant it, will certainly not refuse to do so, knowing that works of such magnitude and importance, must render their author worthy of reward; and taking into consideration, that the withholding of such reward, would not only contravene that which justice demands, but would also induce the supposition, either that the work does not possess the merit which it really presents, or that the Portuguese know not how to appreciate the civick devotion which a *Foreigner* unequivocally manifests for the welfare of our Country, by such a production.

The Administration of the Company therefore, uniting its prayers with those of many other distinguishing Corporations, relies on the gracious reception of the present memorial by the Representatives of the Portuguese Nation, by which they will give irrefragable testimony of estimation and consideration for a production which so greatly recommends itself by its perfection and utility. — Oporto 9.th May 1843.

(Signed) João da Silveira Pinto — Constantino Antonio do Valle Pereira Cabral — José Pinto Soares — João Teixeira de Mello.

MEMORIAL
OF THE
MUNICIPAL CHAMBER OF OPORTO
TO THE
CHAMBER OF DEPUTIES.

The Municipal Chamber of this ancient, very noble, always loyal, and unconquered City of Oporto, respectfully addresses the present petition to the Representatives of the Nation, confident that it will be well received, and favourably despatched.

The British Merchant Joseph James Forrester having undertaken and completed a Map of the WINE-DISTRICT of the Upper-Douro, and another of the RIVER DOURO and adjacent Country, works which are the result of careful observations and study, and which cost many years' labour, much expense, fatigue and privations — and this Chamber knowing the advantages which would result from the publication of such Works, and the benefit which the Nation would derive from them — Resolved to invite the said citizen Joseph James Forrester to publish his most useful works; an invitation in which it was followed by the Agricultural Association of the Alto-Douro, the Commercial Association of Oporto, the Municipal Chamber of Villa Nova de Gaya, & other Corporations.

The aforesaid citizen in acceding to the wishes of this Chamber and other Bodies, informed them, that his intention had been to publish the works as soon as a Memorial which he had addressed to Her Majesty praying that the Copy-right of the said works in this Country should be granted to him, had been favorably dispatched; but that not having obtained any dispatch to his Memorial, he liberally consented to send his Map of the Wine Country to England to be engraved, in compliance with the many solicitations which had been made to him to that effect. This Chamber having carefully examined the works referred to, cannot fail to express, not only their own opinions and wishes, but also those of all the other Bodies who have seen the works, declaring, that in correctness, beauty of execution, and abundance of original information, they present proofs of geographical and artistical skill, which it would be difficult to exceed. On this account, this Chamber is of opinion, that it would not only be a great loss, but even a discredit to this Country, if works of such a character should not receive the most decided protection; having been begun, continued, and concluded by their author at great expense, both of time and money, thus

proving his abundant talent, with the sole motive of evincing how much he is interested in the prosperity of this Country, and the sympathy which he feels for the inhabitants of this unconquered City, and of the District of the Douro. Mr. Forrester, therefore, having determined to lay his works before the publick (a resolution as honourable to its author as acceptable to this Chamber,) it would certainly be discreditable, if after so many sacrifices, and so much labour, the author were not to obtain some recompense! It is this, which this Chamber, considers ought to be conferred on the author of such works; for it is to be feared, that the magnificent and beautiful MAP OF THE RIVER DOURO, interesting on every account, (and a sure base for the Engineer in every and any work hereafter to be undertaken on the River) will remain, at least for some time, lost to the Country; the author considering that the withholding of protection on the part of the Government of Her Most Faithful Majesty is equivalent to a disapprobation of his labours, (which are of evident utility to Portugal) he is resolved on this account to hold back his surveys of the River, refusing to accept the offers of co-operation in their publication, which have been made to him by this Chamber, and other distinguished Corporations, who have the welfare of the Nation at heart. In such circumstances this Chamber begs that the Representatives of the Nation, taking into consideration the impossibility of engraving in this Country with the necessary perfection such a work as the one referred to, will be pleased to make an exception to the general law, and concede to Mr. Forrester the Copy-right of his Map of the Wide-District, which he has sent to England to be engraved; this being an act of justice and equity in favor of a citizen, who thus offers the means of a publick benefit to this country, and who certainly deserves a distinguished and permanent mark of approbation from the Chamber of the Deputies of the nation.

This Chamber relies, that it will be so. Oporto, and Palace of the Council 25th April 1843.

(Signed) Antonio Vieira de Magalhães, President — Jeronymo Carneiro Geraldès, Fiscal — João Baptista de Macedo — Luiz José Pereira — Antonio José Gonçalves Braga — Antonio Luiz da Silva — Joaquim Augusto Kapke — Manoel José Moreira Medon — José Gonçalves de Campos Vianna.



showing the distance by land or by water between any two
 of in a table of references. Besides this, there are tables
 learning, and by appropriate signs the exact position of
 factors are described by a small number, and the
 names, and every object which is mentioned in the
 all the contents of the book are given in a list, and

THE ADDRESSES

FROM

The Wine Company of the alto-Douro, the Commercial Association of Oporto, and from the Municipal Chambers of Pezo da Regoa, Lamego, Villar de Maçada, S. João da Pesqueira, Sabrosa, Armamar, Barcos, Provezende, Cariazedo d'Anciães, & Freixo de Numão,

and the petitions which many of them have addressed to Her Majesty the Queen of Portugal, in his favour, being all to the same effect as the address and memorial of the Agricultural Society, it has not been considered requisite to give translations of them.

DESCRIPTION

OF

MR. FORRESTER'S SURVEYS OF THE RIVER DOURO,

from the Records of the Municipal Chamber of Oporto — the Commercial Association of Oporto — the Agricultural Association of the Douro — and the Douro Wine Company.

“This Work is by Joseph James Forrester, a British Merchant long established in this City, and is entitled “The Portuguese Douro, with so much of the River as can be made navigable in Spain”. — It is ten feet in length, by two feet two inches in breadth, and embraces an exact plan of the River Douro from above Vilvestre in Spain, to St João da-Foz (the mouth of the river) on a scale of $4\frac{1}{4}$ inches to the Portuguese league. The adjacent Country to the extent of a quarter of a league on either bank is minutely delineated. The Depths, Shallows, Banks, Rocks, Pontons, Marks for the guidance of the arraes, and every object on the River which is deserving of attention, are described by a simple, but complete mode of colouring, and by appropriate signs which are succinctly explained in a table of references. Besides this, there are Tables shewing the distances by land or by water between any two

places noted on the Map — the different points to which the River has been navigable at different periods—that point to which it is now navigable — and that to which it may be made navigable, in Spain. The course of the River—its margins — the obstacles at the different Pontos—and places of the greatest interest, are illustrated by several drawings, which greatly embellish the Map; and in order to indicate the time necessary to descend the River, in any particular part, both in summer and winter, a small Map is added on a scale of half an inch to the league, displaying the River, and all its sinuosities.

The Pontos, and also all the Ferries, are enumerated in separate tables; so that all the information which it is possible to give in a work usually denominated a Map, and a great deal more, are seen at a glance in the Surveys of Mr. Forrester. The Scales shew the distances according to the Portuguese-Spanish-English. & French Measurement."

THE COMMERCIAL ASSOCIATION OF OPORTO

ON THE MAP OF THE RIVER DOURO.

"The Secretary stated that the Direction, after the session of the 15th Inst, and agreeably with the Resolution it had taken to accept the invitation of Mr. Joseph James Forrester, proceeded to that gentleman's house, and there examined the Map which he had executed; entitled the Portuguese Douro; a description of which, the said Secretary, gave in the following manner."

(Here follows a description of the Map similar to the one given above.)

"The Direction finding in this work the fruit of assiduous labour, observation, and expense, and an honourable testimony of the merit, and skill of its Author, and moreover recognizing the utility which will result to the Country in general, and especially to Commerce, from such a work, if at a future period it should serve as a base for the improvement of the Navigation of the River Douro — voted unanimously that the thanks of the Association be given to Mr. Forrester for having undertaken the work — that this vote be entered in the present record, — and that an authentick Copy of the same be sent to him. Commercial Association of Oporto, 5th May, 1843.

(Signed.) Baron d'Ancede, President. — Carlos de Silva Maya — Francisco Perry, Secretaries.

THE MUNICIPAL CHAMBER OF OPORTO

ON THE

MAP OF THE RIVER DOURO.

“ In consequence of the Dispatch which this Chamber addressed to Joseph James Forrester, and of the permission which he granted to it, to inspect the Map of the River Douro, — a majority of the Chamber, proceeded on the 5th Instant, to the House of the said Citizen, where it had an opportunity of examining the Map referred to; and on this account resolved to make express mention in the present record of the result of such examination, which is as follows.”

(Here follows a description of the Map as given above.)

“ Such is the result of the examination which this Chamber made of the Map of the River-Douro; the members having been received on the occasion with great urbanity and politeness, by Mr. Forrester, who readily offered every explanation of his labours.

On this account the Chamber much surprised with a work on which the Author had expended so much care, and which cannot but be considered as beautifully executed, — resolved, that express mention of it should be made in the present Record — awarding to Mr. Forrester due praise for the gigantic and well executed task to which he had devoted himself; a task which confers much honour and distinction upon him, by the proof which he has given, of his talents and extraordinary skill; and from which must result great advantages to science, but more especially to the Portuguese Nation, whose prosperity, the Author has so much at heart. — Oporto and Palaces of the Council — 19th of April 1843.

(Signed) Magalhães, Presidente — Carneiro Gerales, Fiscal. — Macedo. — Pereira. — Silva Medon. — Braga. — Vianna.

Reviews of Mr. Forrester's Map of the Wine-Country.

“ The utility of the Map of the Wine-District of the Alto-Douro is evident; and it would be difficult for the merchant, or the traveller, who proposes to visit that part of the Country, to dispense with it; — for, without it, he would be like the mariner navigating without his chart.”

(Extract from the Periodico dos Pobres of Oporto.)

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“ The Map of the Wine-District of the Alto-Douro may be considered a Model of Topography. The Indicator by which the position of every place on the Map may be found with the greatest facility, is the happy invention of the Author.” —
(*Extract from the Coallisão of Oporto.*)

“ We have seen, examined, and applauded this work; and we cordially thank Mr. Forrester for the publication of the topography of so interesting a portion of our Country.”
(*Extract from the “Revolução” of Lisbon.*)

“ With regard to the towns, Villages, Quintas, principal vineyards, rivers, rivulets, roads, bridges, and even by-roads — this Map is most exact.”

“ In this excellent topographical work we find the semi circular Indicator, which is quite new to us, very ingenious.
(*Extract from the Revista Universal Lisbonense.*)