

Journée d'étude « Formes et fonctions du dessin technique (xvi<sup>e</sup>-xx<sup>e</sup> siècle) »

## Exploration graphique au sein des *Transactions of the Society of Arts* (1770-1843)

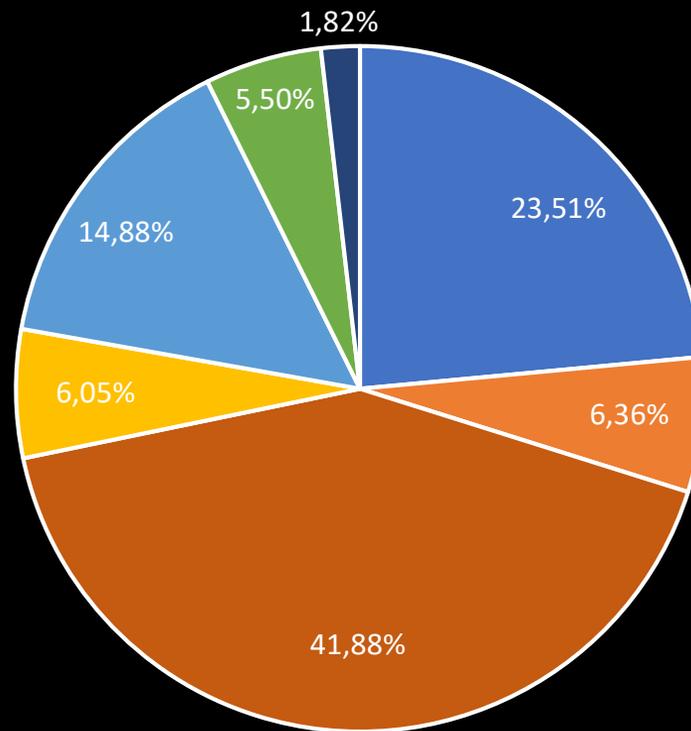
Yohann Guffroy (LHST-EPFL)

## Éléments de contexte

- Plus de 2000 prix décernés par la *Society of Arts* (1754-1843)
- Différentes étapes de traitement des candidatures :
  - Réception
  - Examen par l'un des six comités :
    - Agriculture
    - Chimie
    - Manufacture
    - Beaux-arts
    - Mécanique
    - Colonies et commerce longue distance
  - Composition d'un *Manuscript Transactions*
  - Publication du volume des *Transactions*
- *Manuscript Transactions* : 150 volumes
- *Transactions* : 61 volumes

## Répartition par classe de l'ensemble des prix (1783-1843)

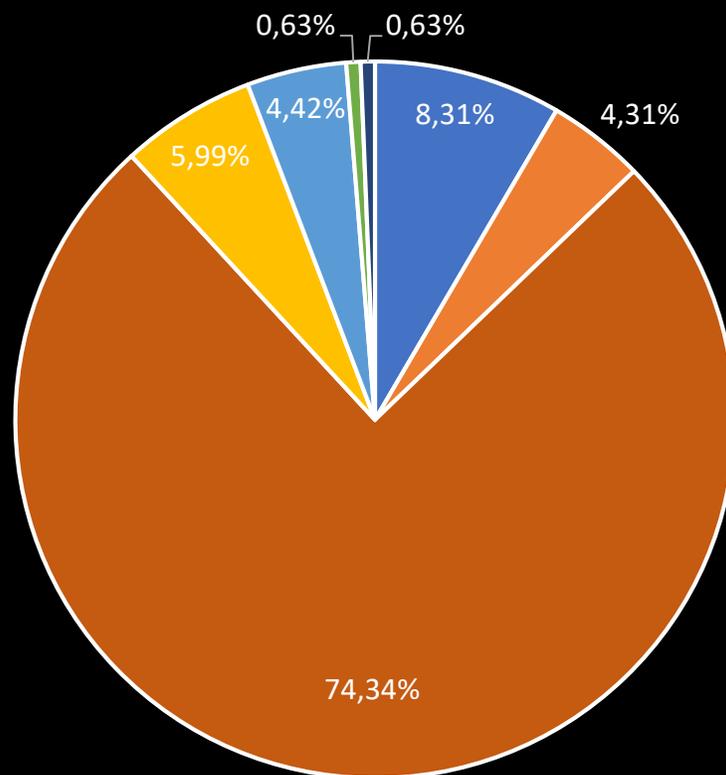
Agriculture	Chimie	Manufacture	Mécanique	Beaux-arts	Colonies	Autres	Total
466	126	120	830	295	109	36	1982



■ Agriculture 
 ■ Chemistry 
 ■ Mechanics 
 ■ Manufactures 
 ■ Polite Arts 
 ■ Colonies 
 ■ Autres classes

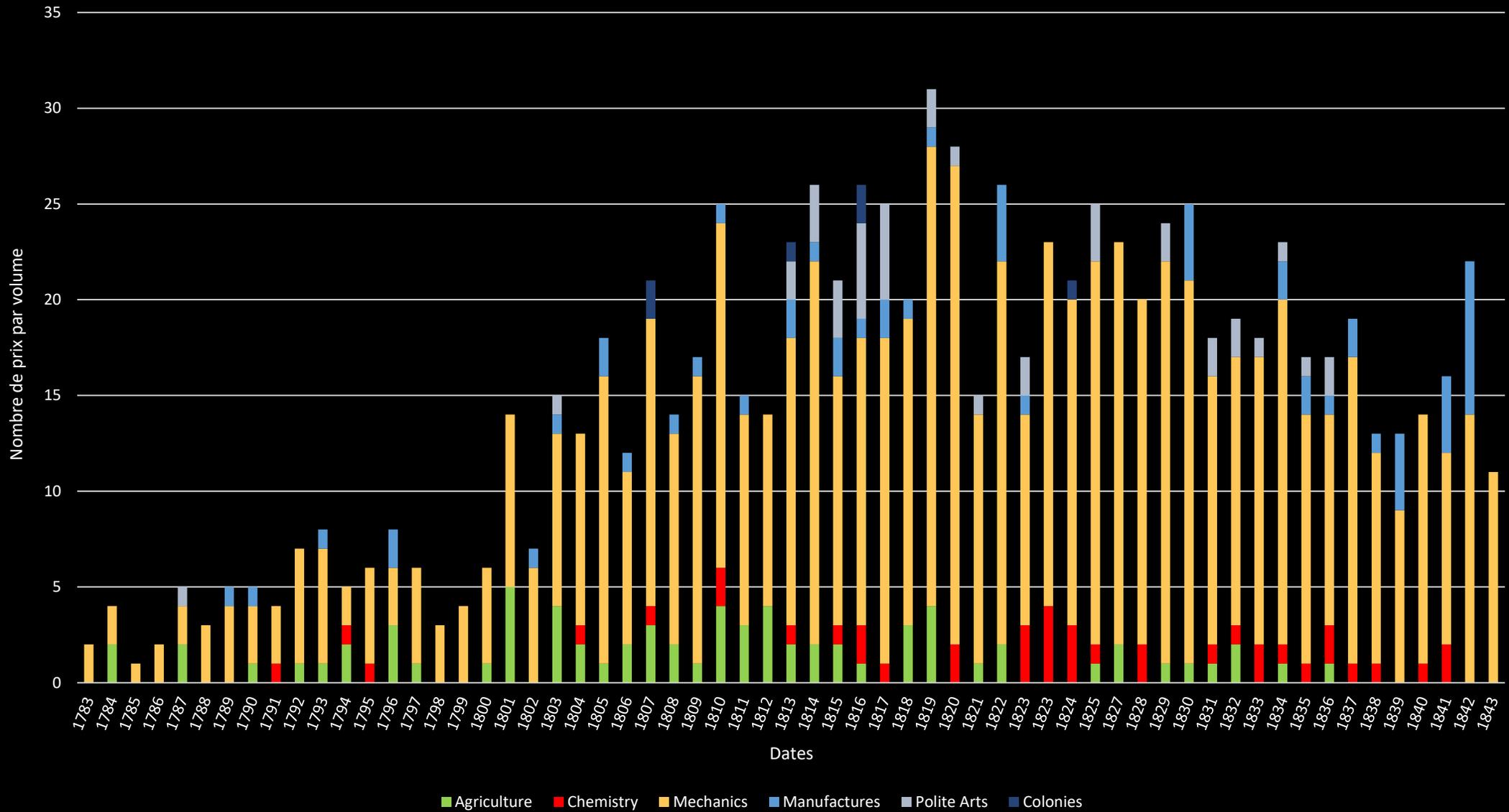
## Répartition par classe des prix accompagnés de dessin(s) (1783-1843)

Agriculture	Chimie	Manufacture	Mécanique	Beaux-arts	Colonies	Autres	Total
79	41	57	705	42	6	21	951



■ Agriculture 
 ■ Chemistry 
 ■ Mechanics 
 ■ Manufactures 
 ■ Polite Arts 
 ■ Colonies 
 ■ Autres

# Répartition par classe et par année des prix accompagnés de dessins (1783-1843)

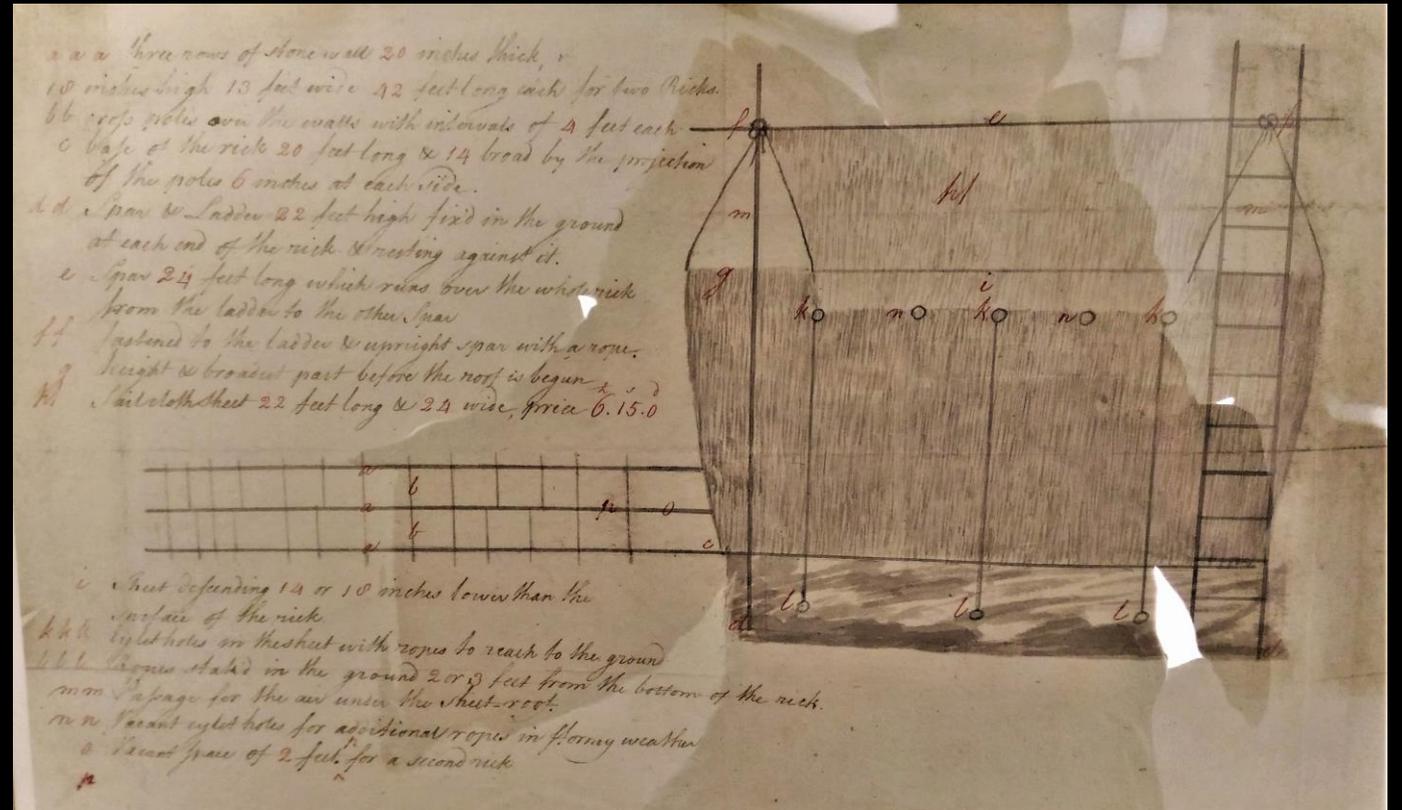


## Liste des dessinateurs les plus fréquents

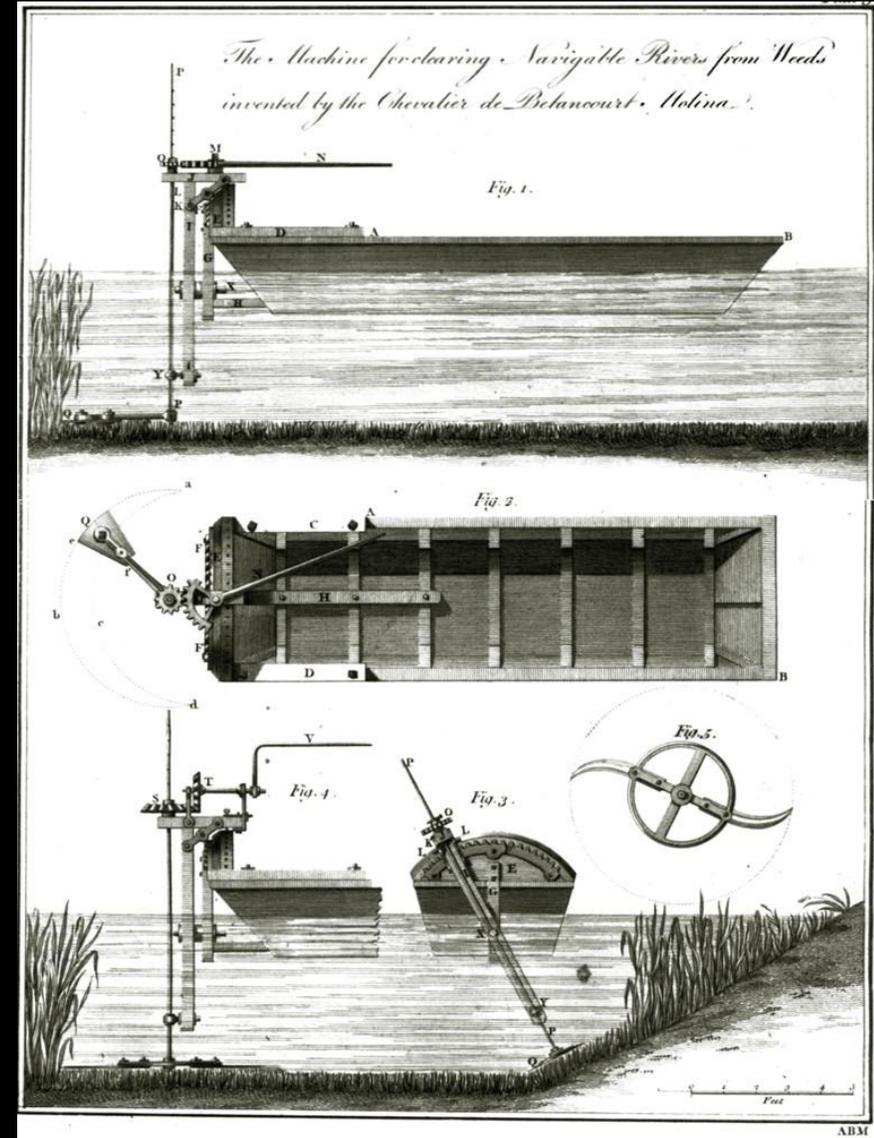
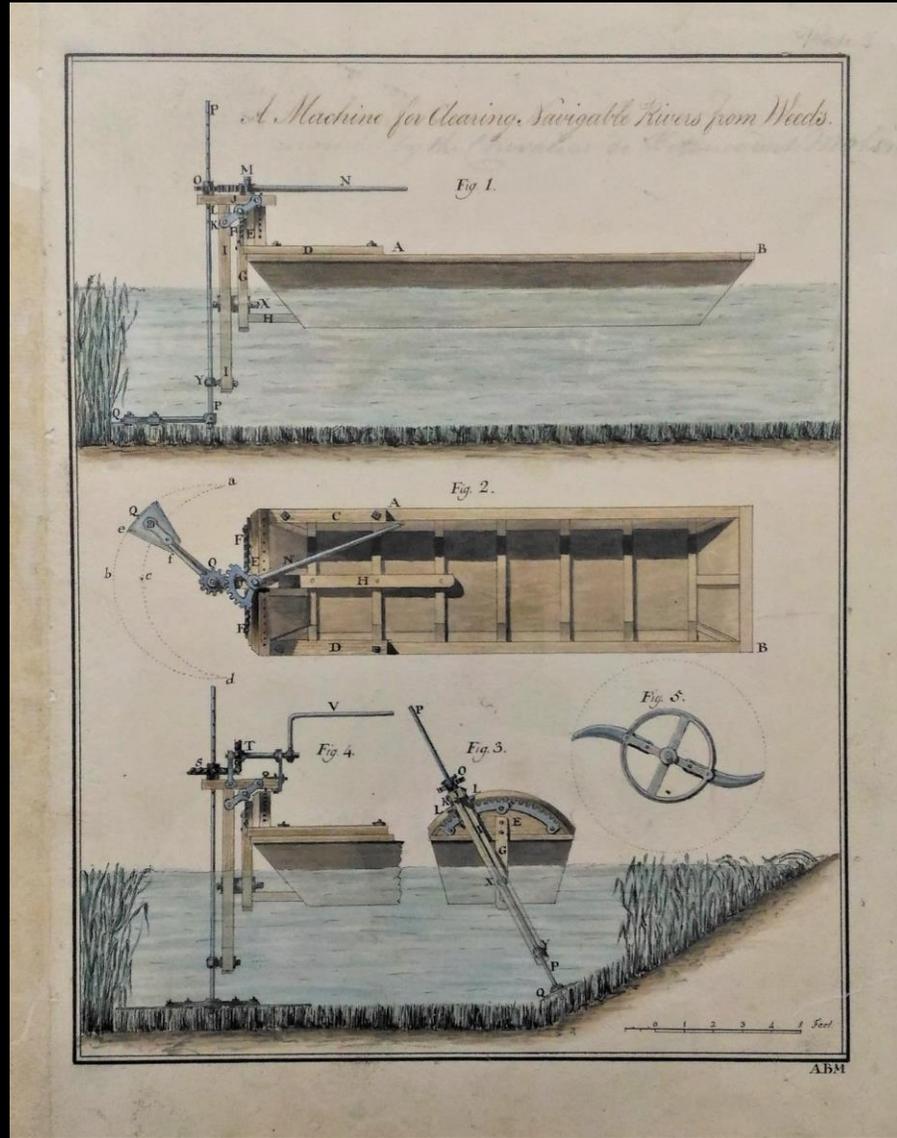
Dessinateurs	Professions
Cornelius Varley (1781-1873)	Peintre / fabricant d'instruments optiques
Joseph Clement (1779-1844)	Ingénieur
William Newton (1786-1861)	Agent de <i>patent</i>
Michael Angelo Nicholson (1796-1841)	Architecte
John Farey Junior (1791-1851)	Ingénieur

Vincent Warren, « Invention to secure Hay Ricks from rain » (1785)

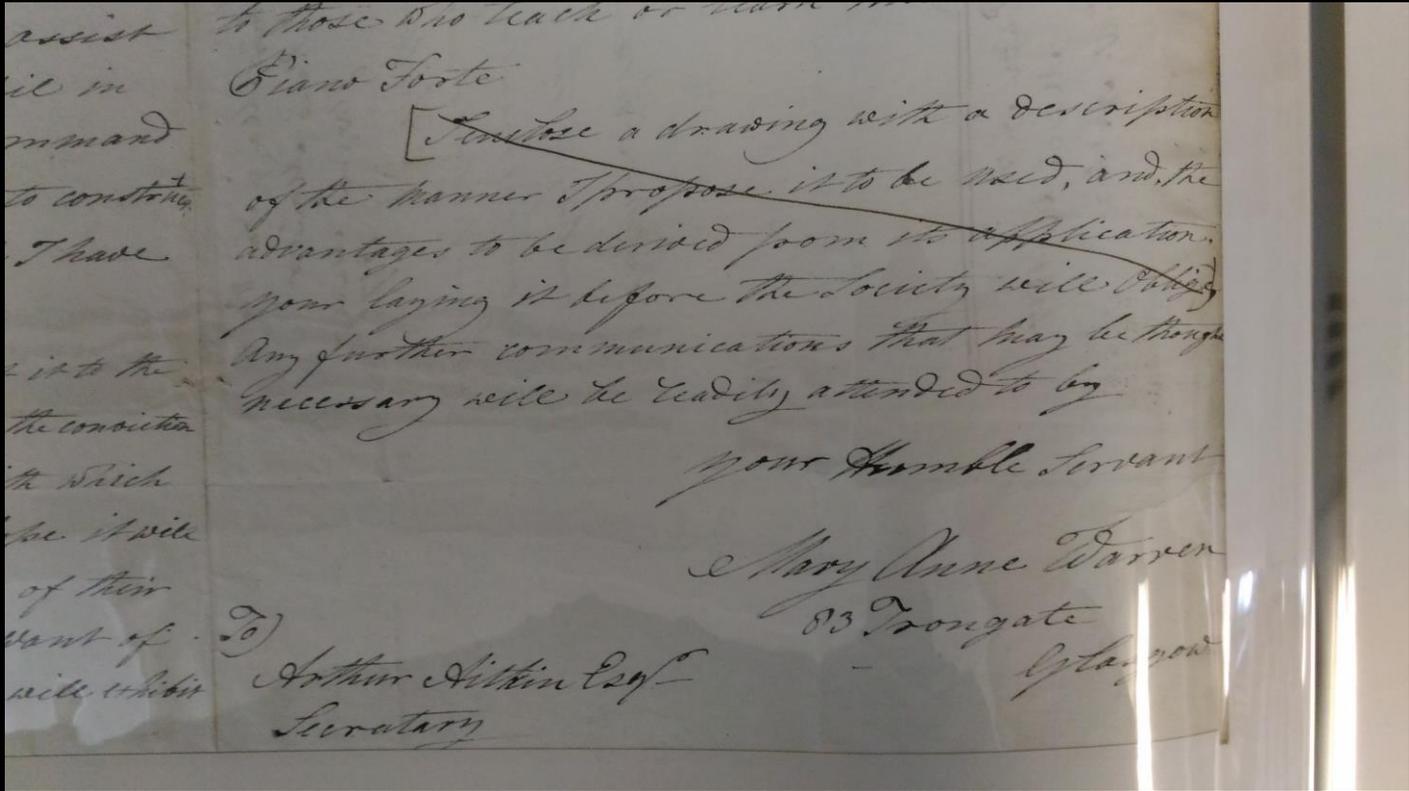
I have  
 Prompted June 3<sup>d</sup> 1785  
 In the Monthly Review for January last  
 there is mention of a Letter to the Society of Arts  
 from Mr. Toff, of an ingenious Contrivance to secure  
 Hayricks from rain during the making, that the expense  
 of the Machine, which will last several years, is about  
 twenty seven guineas. The expense struck me, for the  
 above is all I know of it, & I think that alone sufficient  
 to prevent the general use of it. I have many years  
 amused myself with a Farm, & as there is a concern  
 subject to variable weather from its proximity to the sea  
 I thought of the method I am going to have the honor  
 to lay before the Society, which fully answers the purpose  
 above mentioned, at less than one fourth part of the expense  
 proposed, & is done, for I am quite unacquainted with  
 the size of the Ricks which Mr. Toff's Machine is calculated  
 to cover. I shall therefore take the liberty to send you a  
 description of the whole of my method, the covering the  
 Ricks is the principal Object on question. I have scratched  
 out a Plan, by which you will soon discover that I am no  
 great Draughtsman, yet such as it is, it may serve to make  
 the Verbal Description more intelligible.



Augustin Bétencourt de Molina  
« Machine for cleaning navigable rivers from weeds » (1795)



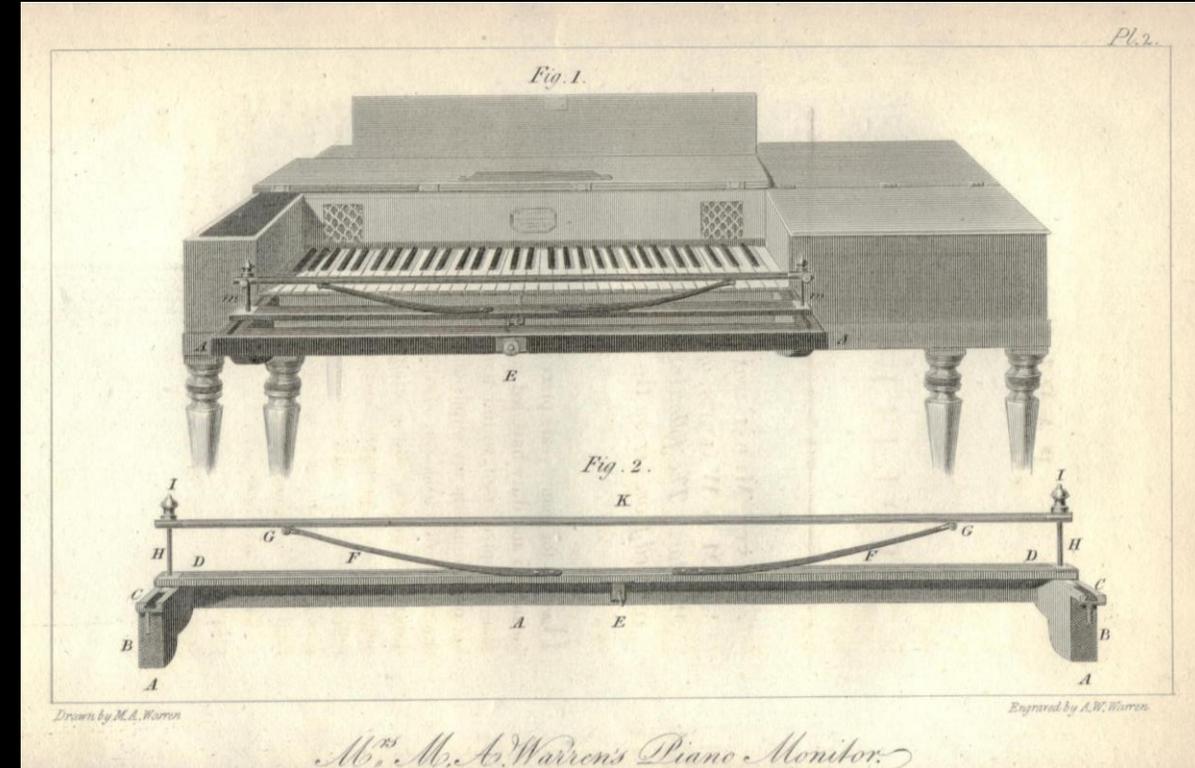
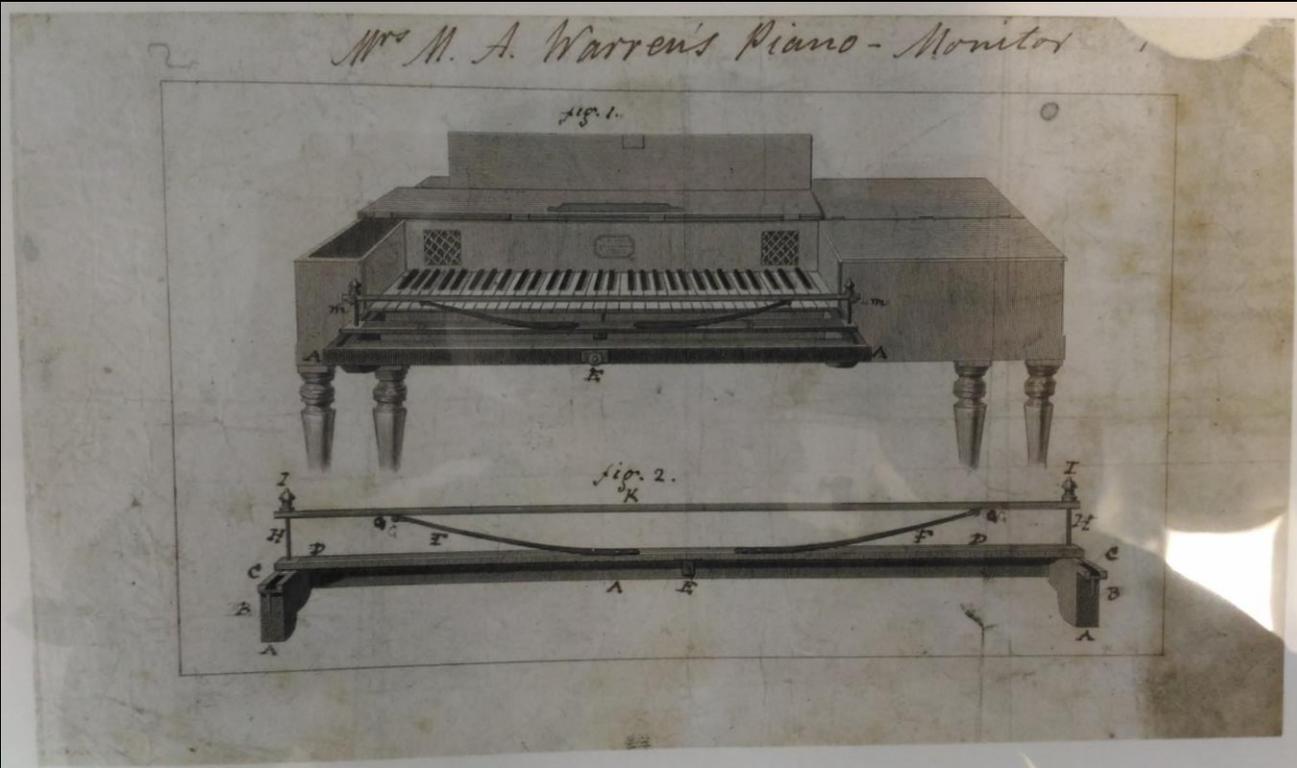
Mary Anne Warren, « Piano Monitor » (1817)



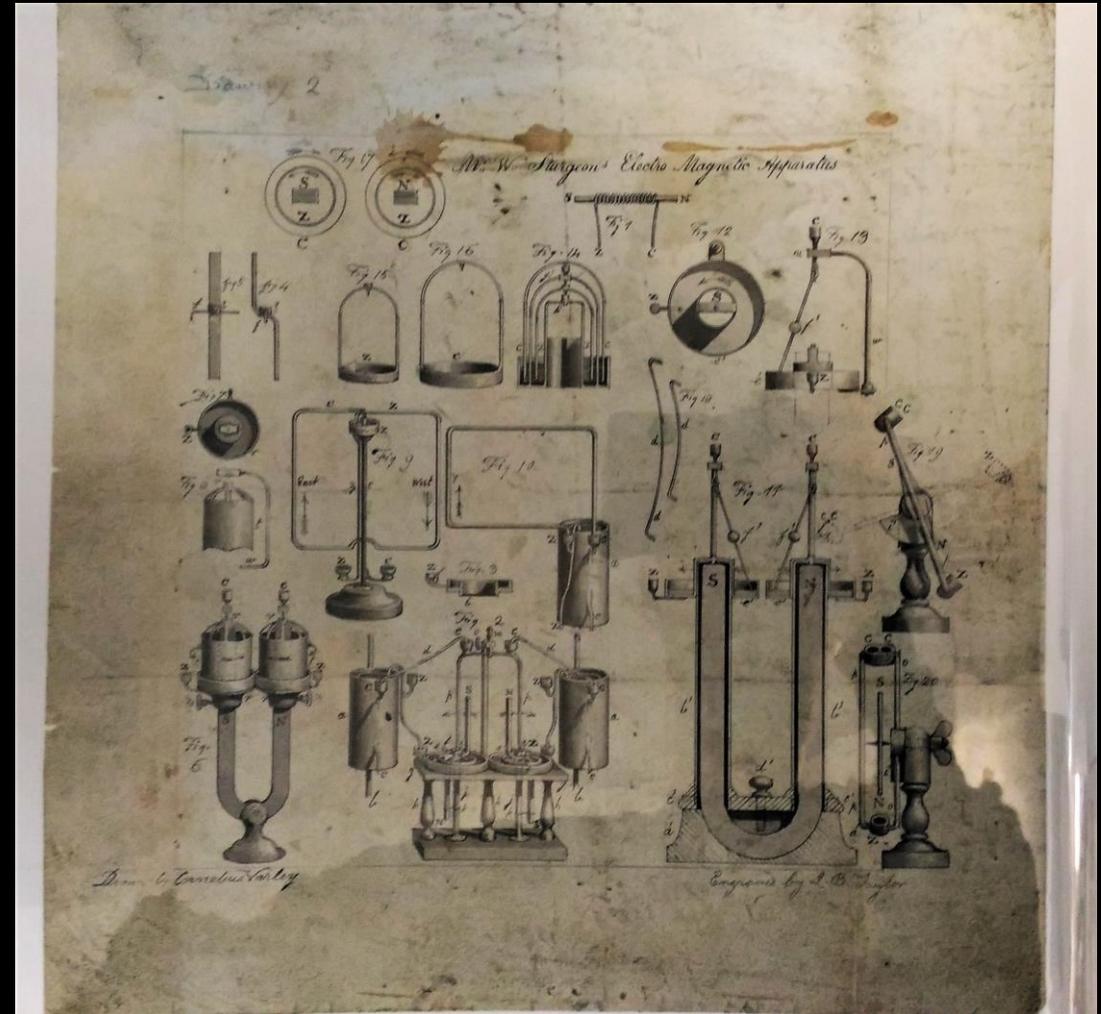
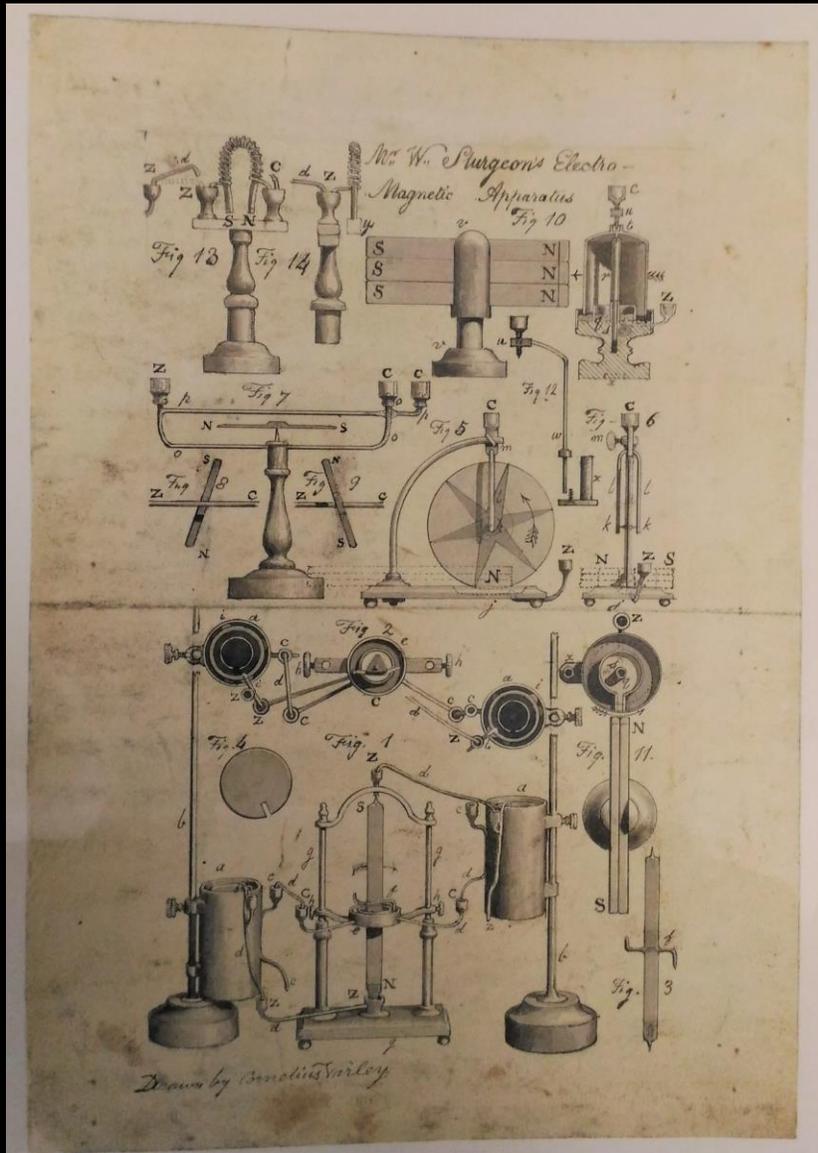
« [I enclose a drawing with a description of the manner I propose it to be used, and the advantages to be derived from its application. Your laying it before the Society will oblige] any further communications that may be thought necessary will be readily attended to by,

Your Humble Servant,  
Mary Anne Warren »

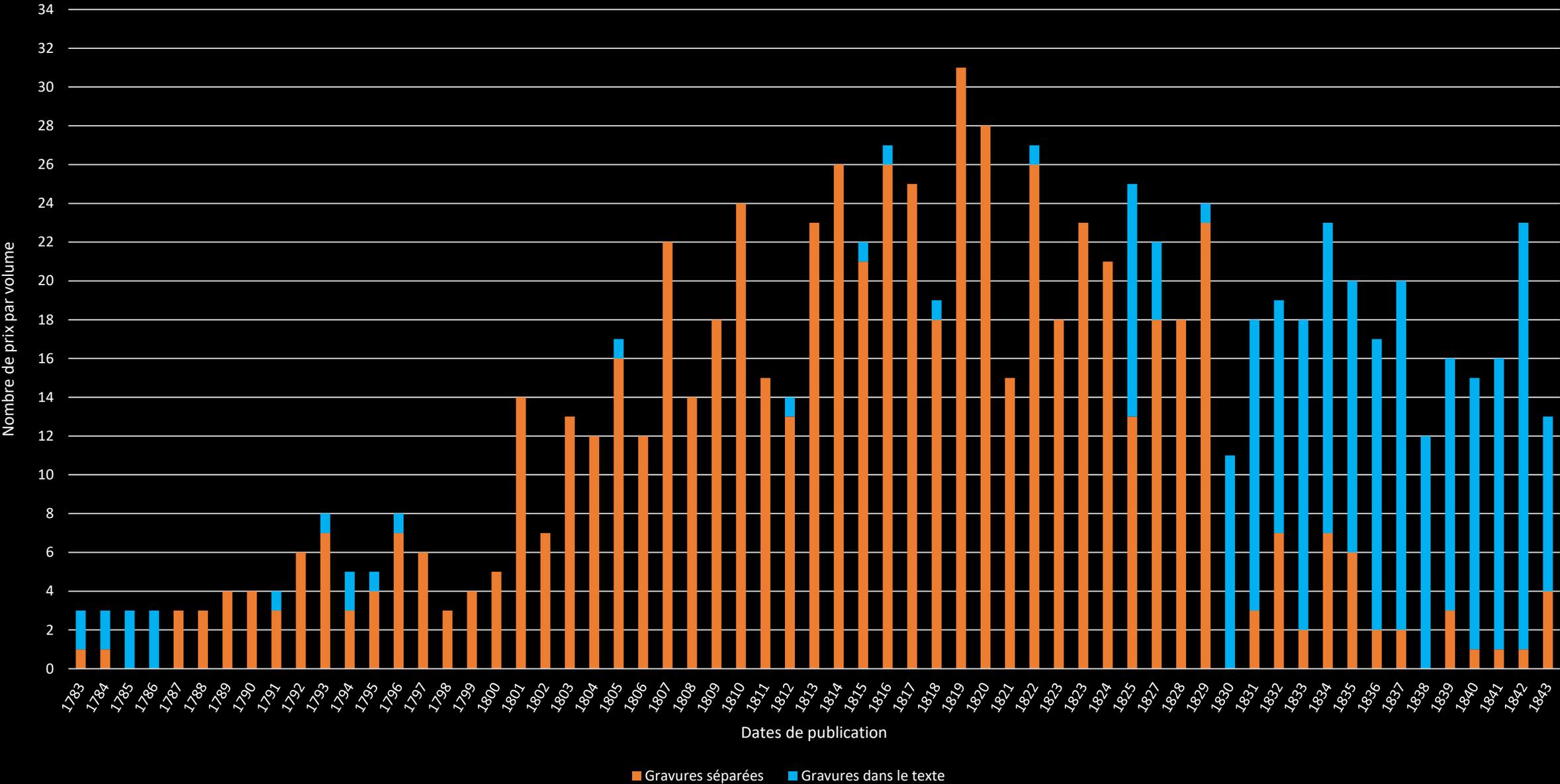
Mary Anne Warren, « Piano Monitor » (1817)



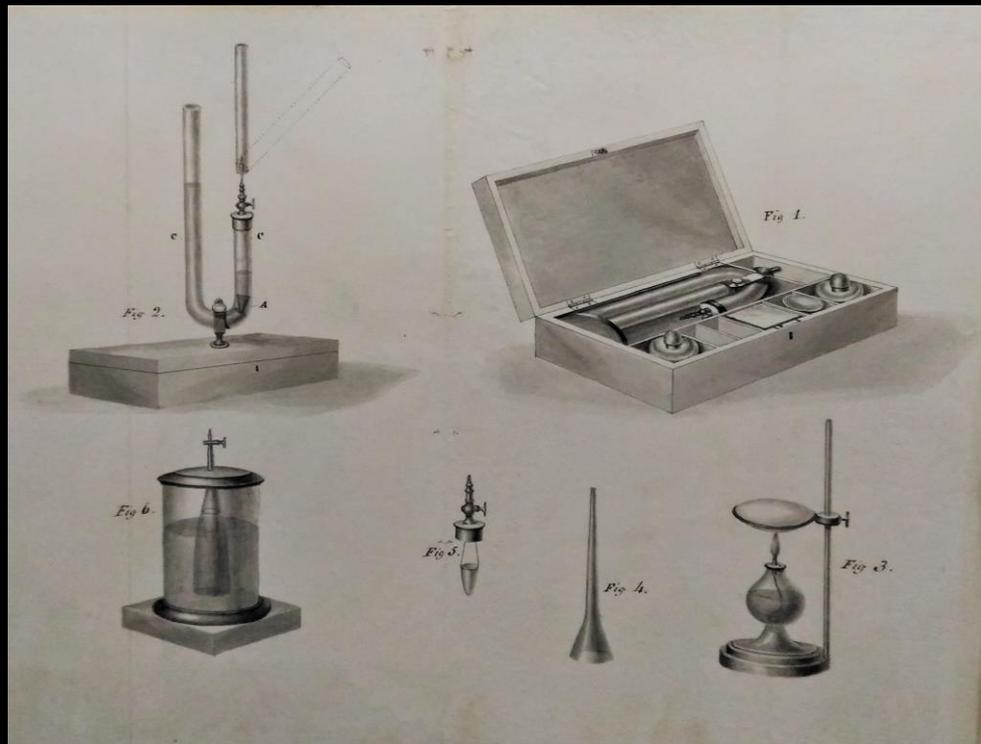
William Sturgeon, « Electro-magnetic apparatus » (1824)



Répartition par année entre gravures séparées et incorporées aux textes des *Transactions*

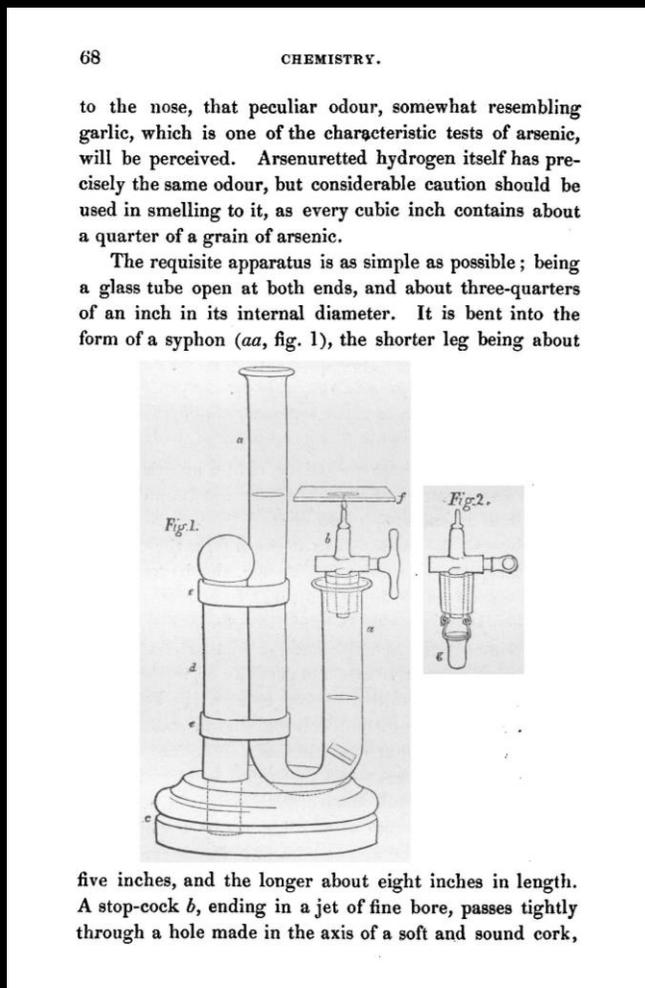


James Marsh, « Apparatus to separate small quantities of arsenic » (1836)

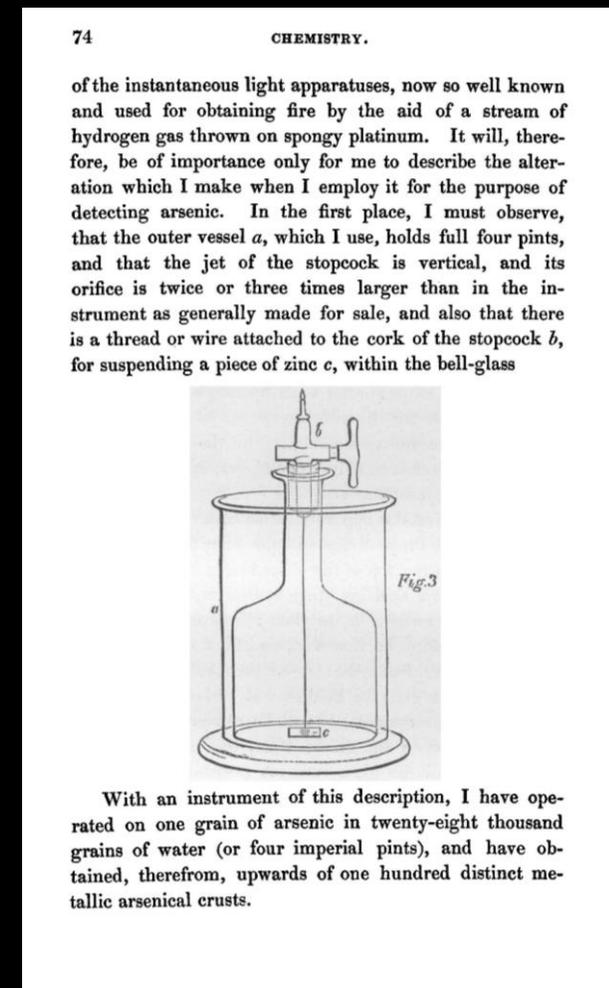


MT, vol. 133, 1835-36, P1

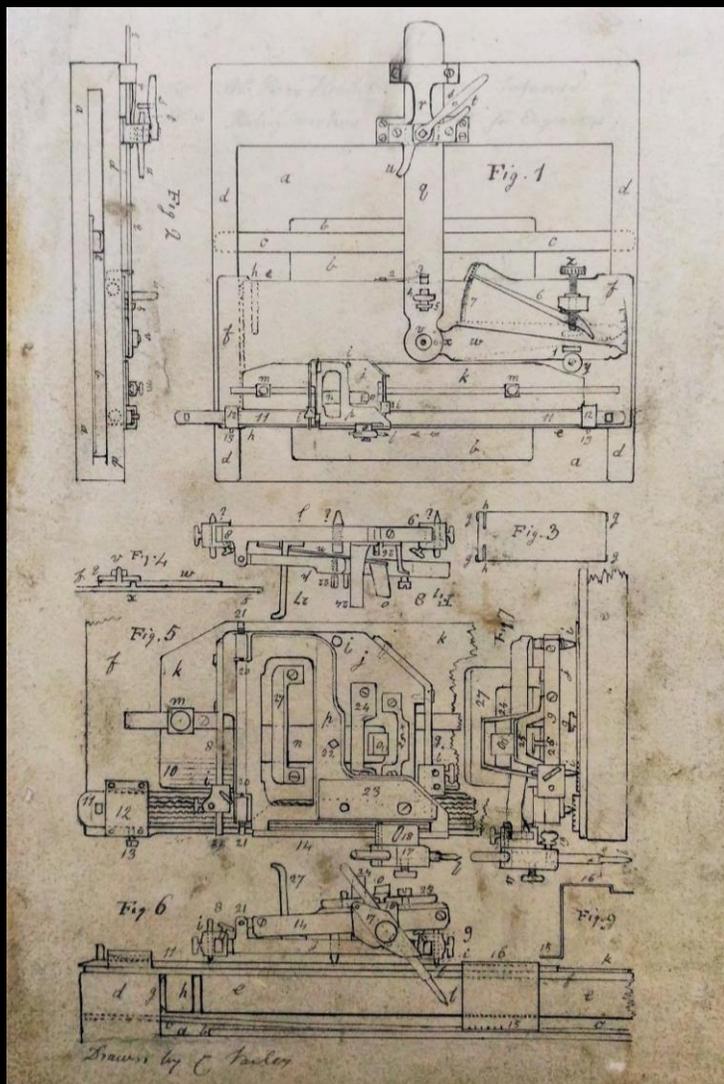
« It is therefore with some difficulty that I have got lastly together the accompanying papers and drawing, which I beg to submit to you, [...]. »



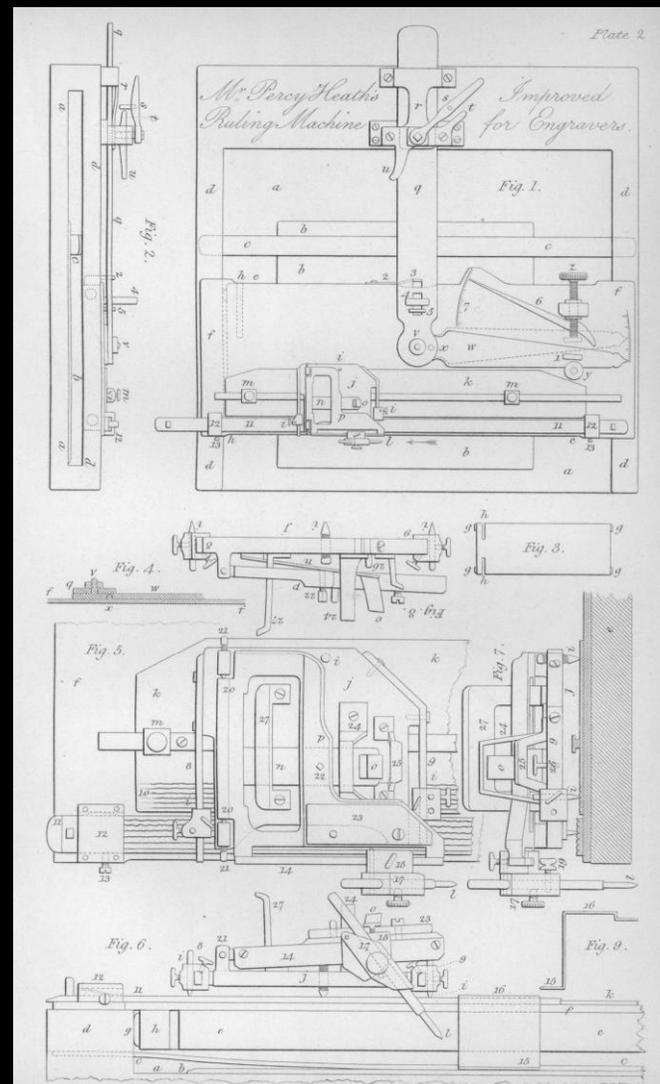
T, vol. 51-1, 1836-37, p. 66-76



Percy Heath, « Engraving ruling-machine »



MT, vol. 133, 1836



T, vol. 51-1, 1836, p. 25-36

De nombreuses pistes à explorer :

- Déterminer une classification technologique des inventions primées par la *Society of Arts*
- Étudier la transition entre dessins de type « naturaliste » et dessins de type « schématique »
- Étudier précisément le rapport entre texte et production graphique au fil de la période
- Explorer plus en avant les documents externes aux dessins pour tenter d'en comprendre le processus de production (ex: Minutes des comités)
- Tenter d'étudier la diffusion de ces documents
- Comparer avec d'autres dessins d'invention pour dégager les points communs et les spécificités des dessins de la *Society of Arts*