Recording watermarks in the archives of the newly established Greek State

Considerations on paper manufacture and use in administration

Ourania Kanakari paper and book conservator, General State Archives of Greece

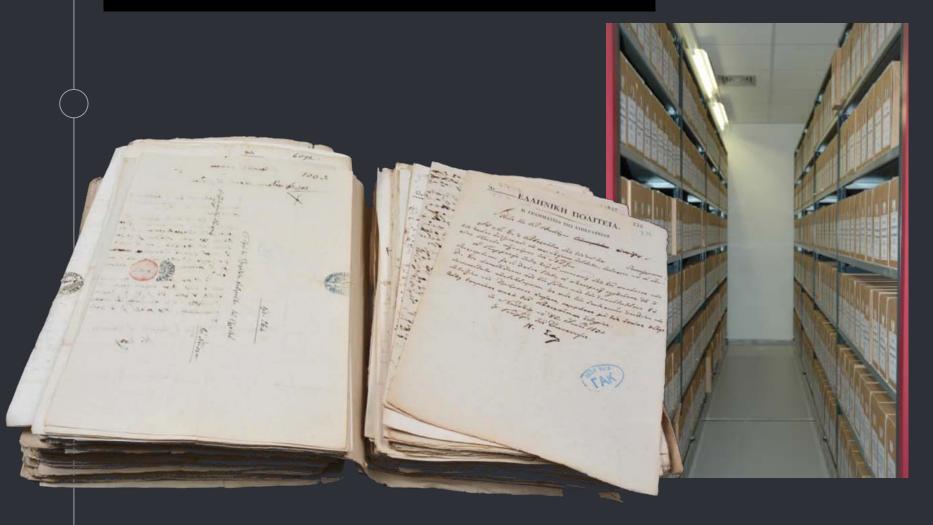


General State Archives of Greece Central Service in Athens





research in the Fonds of I. Kapodistrias





the study of sources





the origin of paper





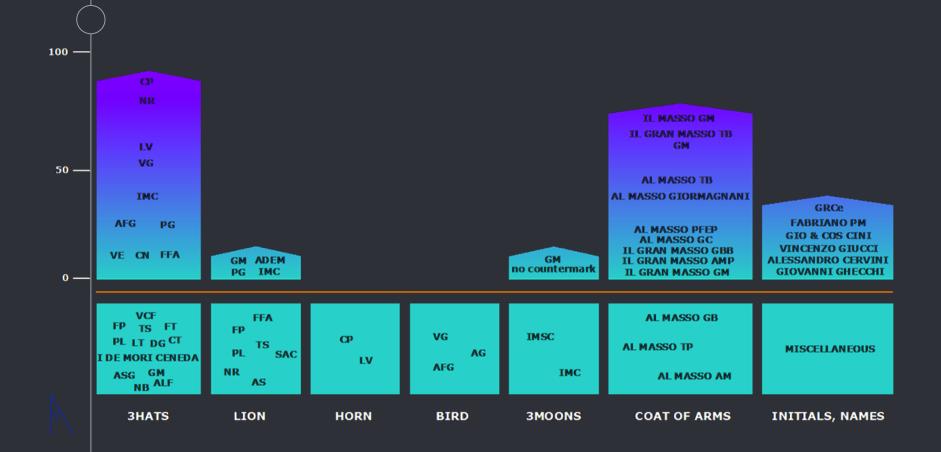
common Italian names

IL GRAN MASSO GIORMAGNANI A GAVARRONE GHIGLIOTITI GIOVANNI GHECCHI LA STELLA common English names

OTHAM MILL
J WHATMAN
PHIPPS & SONS



frequency of watermarks motifs and countermarks

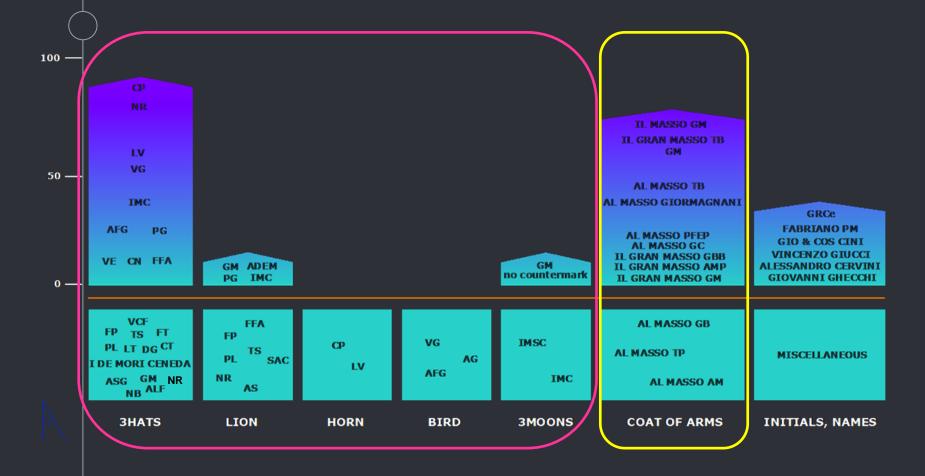






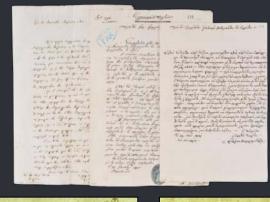


two main groups of paper

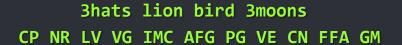




two main groups of watermarks and physical characteristics











coat of arms ...MASSO...



political situation in Italy





https://en.wikipedia.org/wiki/
List of historic states of Italy



paper typology late 18th c. Veneto and early 19th c. Pescia - Tuscany

| Qualità | Libbre a | Prezzo a risma | | tipologia | |
|--|----------|----------------|-------|----------------------|--|
| - | risma | Lire | soldi | | |
| Imperiale | 54 | 52 | | | |
| Sotto Imperiale | 48 | 40 | | | |
| Reale | 33 | 20 | | [commercio] | |
| Mezzana | 26 | 14 | | | |
| Comun [3 Lune] | 24 | 8 | 10 | | |
| Leon in foglio | 11 | 12 | | | |
| Romana | 9 | 8 | | [stampa] | |
| Tre cappelli | 10 | 12 | | | |
| Mercantil da scriver | 8 | 5 | 10 | | |
| Da scriver fina [rosa?] | 8 | 6 | | | |
| Da scriver sopraffina [colomba?] | 7 | 7 | | [scriver] | |
| Da scriver sopraffina olandese in 4 ^{to} | 6 | 11 | | | |
| Leon in Ato | 5 | 6 | 6 | | |
| Spiera fina | 17 | 12 | | [per le finestre] | |
| Corsino fina da stampa | 8 | 5 | | [stampa] | |
| Cernaglia da scriver | 6 | 5 | | [scriver] | |
| Navegar bianca con colla | 15 | 6 | | | |
| Navegar bianca senza colla | 15 | 5 | | | |
| Spiera ordinaria | 20 | 10 | | [per le finestre] | |
| Navegar mercantil | 16 | 4 | | | |
| Corsino ordinaria | 11 | 3 | | | |
| Comunella ordinaria | 6 | 2 | 10 | | |

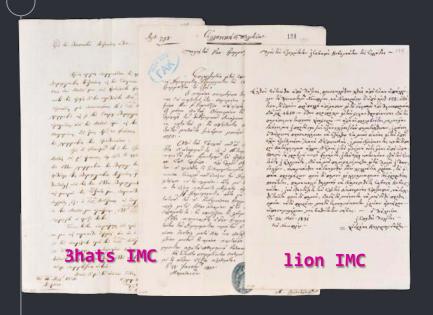
A.Taboga, Il mercato cartario nella Serenissima: produzione e smercio, 2018

| QUA | NLITA' E PREZZI DELLA CARTA | PESCIATINA - | 1813 |
|-----|----------------------------------|---------------------|----------------------|
| Ν. | Qualità | Prezzo (franchi) | Confezione |
| 1 | Granfante reale velina | 0,42 | 1 foglio |
| 2 | Arcimperiale | 74 | 1 risma |
| 3 | Arcimperiale | 70 | 1 risma |
| 4 | Sopraimperiale | 45 | l risma |
| 5 | Imperiale velina | 136 | 3 risme |
| 6 | Imperiale | 117 | 3 risme |
| 7 | Papale | 117 | 4 risme |
| 8 | Per Gazzette | 13 | 1 risma |
| 9 | Papale blu | 23 | 1 risma |
| 10 | Papale bianca | 23 | 1 risma |
| 11 | Reale grossa "sans ombre" | 117 | 5 risme |
| 12 | Reale grossa bianca velina | 20 | 1 risma |
| 13 | Reale grossa blu velina | 16 | 1 risma |
| 14 | Mezzana "sans ombre" | 117 | 8 risme |
| 15 | Mezzana piccola velina | 136 | 10 risme |
| 16 | Mezzana piccola | 117 | 10 risme |
| 17 | Lyon velina | 10 | 1 risma |
| 18 | All'inglese velina f.doppio | 16 | 1 risma |
| 19 | All'olandese velina grande s.fir | | 1 risma |
| 50 | All'olandese velina grande | 13 | 1 risma |
| 21 | All'olandese | 12 | 1 risma |
| 22 | Dell'aquila | 170 | 20 risme |
| 23 | Alla genovese l₫ velina | 170 | 20 risme |
| 24 | Alla genovese l≞ | 164 | 20 risme |
| 25 | Alla genovese 2ª | 110 | 20 risme |
| 26 | Alla genovese bianca | 112 | 20 risme |
| 27 | Alla genovese 2ª bianca | 106 | 20 risme |
| 28 | Alla genovese bianca velina | 118 | 20 risme |
| 29 | Alla genovese blu velina | 134 | 20 risme |
| 30 | All'inglese velina da lettere | 8,40 | 1 risma |
| 31 | All'olandese fine (in quarto) | 6,50 | 1 risma |
| 32 | Dal giglio fine per lettere | 6,50 | 1 risma |
| 33 | Dall'angiolo per lettere s.fina | 5,50 | 1 risma |
| 34 | Da lettere velina sopraffina | 6 | 1 risma |
| 35 | "Poor artiche" bianca | 100 | 10 risme 12 risme |
| 36 | Tre lune 10 per il Levante | 115 | |
| 37 | Tre rune 20 per il Levante | 95 | 12 risme |
| 38 | Tre lune 3ª per il Levante | 72 | 12 risme |
| 39 | Grandezza inglese velina | 13 | 1 risma |
| 40 | Reale sottile grezza per incart | | 1 risma |
| 41 | Reale sottile ordinaria bianca | 6 | 1 risma |
| 42 | Reale sottile piccola | 58 | 20 risme |
| 43 | Straccia fine | 43 | 20 risme |
| 44 | Cartone grosso | 19 | 100 fogli |
| 45 | Cartone sottile | 20 | 100 fogli |
| 46 | Cartone passato al cilindro | 20 | 100 fogli |

R. Sabbatini, La manifattura della carta in eta moderna: il caso toscano, 1988



size of papers with same countermark - different watermarks







paper quality in publications of the mid 18th and early 19th c. Veneto

I quattro volumi finora usciti contengono fogli n. 178, ed il prezzo, pei signori Associati, per ogni foglio di stampa è relativo alla qualità della carta; cioè

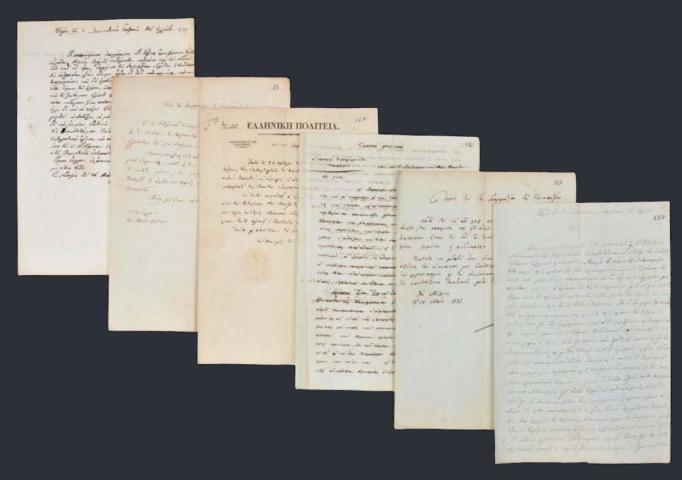
Giornale della Letteratura Italiana 1821, Padova

Dizionario Universale... 1744, Venezia

```
Nota delle qualità di carta più
   comuni che si usa in Venezia
           e nello Stato.
   Carta Imperiale fina.
    Detta Regie fina.
   Detta da Manganaj brunetta,
 o come dicesi brunella.
   Detta da spiere fina.
   Detta da spiere bruncita.
   Detta fiorettone ordinaria
   Detta di colore celeste.
   Detta turchina.
   Mezzana fina.
   Comune fina.
   Detta di color turchino.
   Carta dalla Corona fina.
   Detta brunetta.
   Carta dal Lion fina per ilcri-
   Detta Lion fina por le stam-
   Carta corfiva fina per stampare.
   Detta brunetta.
   Corsivette brunette da stampa.
   Carta dalla
bandiera fina.
                  da scrivere.
   Dai tre cap-
 pelli fina.
   Carta da scrivere sopratina
   Detta di tutta palta.
   Detta di mezza pasta.
   Detta comune brunetta.
   Detta asciugante celestina.
   Detta comune, o come chia-
-masi Comunella ordinaria.
   Detta da Ceneda. 1 -
   Detta che viene da Trevigi.
```



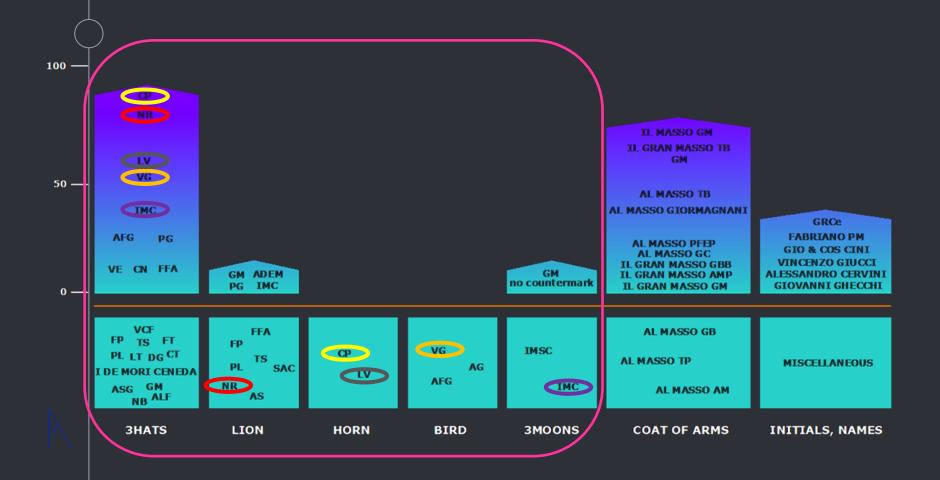
color differences in papers with same watermark



Coat of arms TB/ AL MASSO documents dated 1832

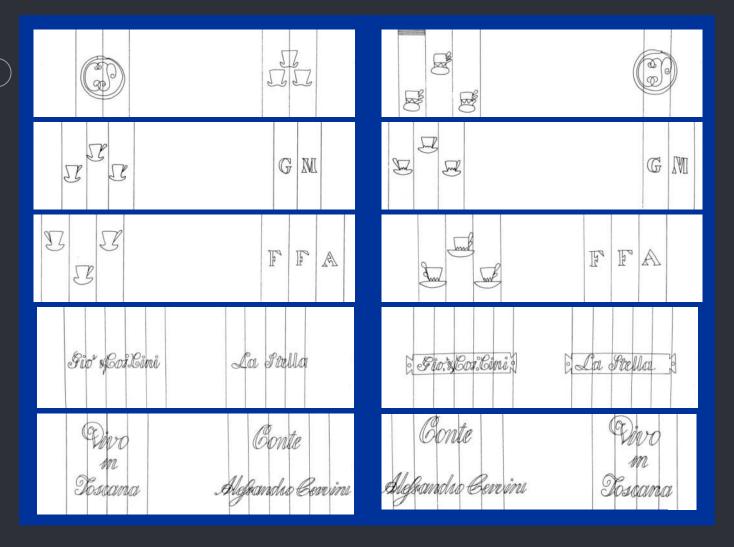


the simple motifs group: tracing the paper production of different makers



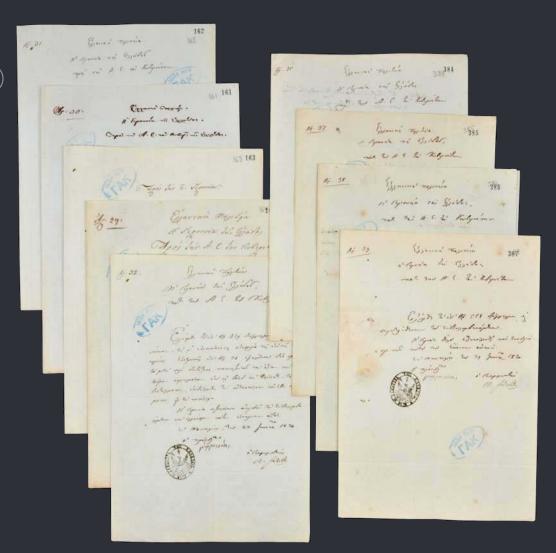


watermark twins





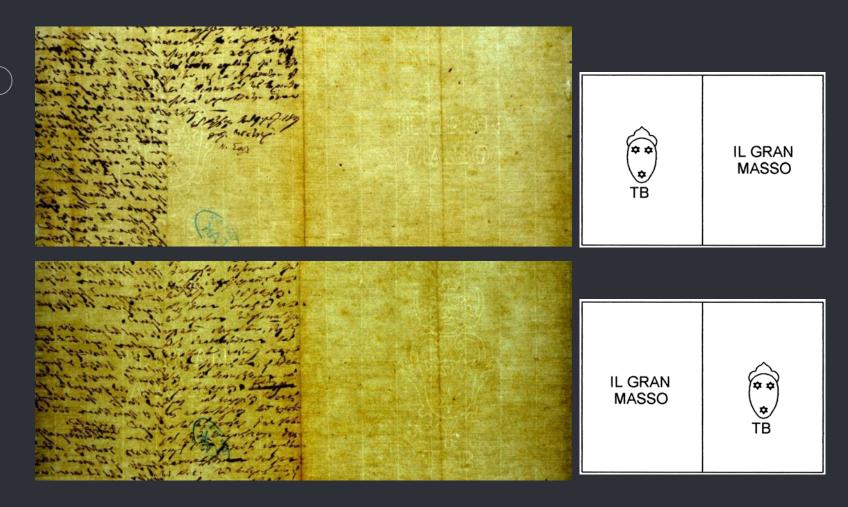
sequence of documents on same paper



General Secretariat/file 230, papers with coat of arms FPEF/ AL MASSO



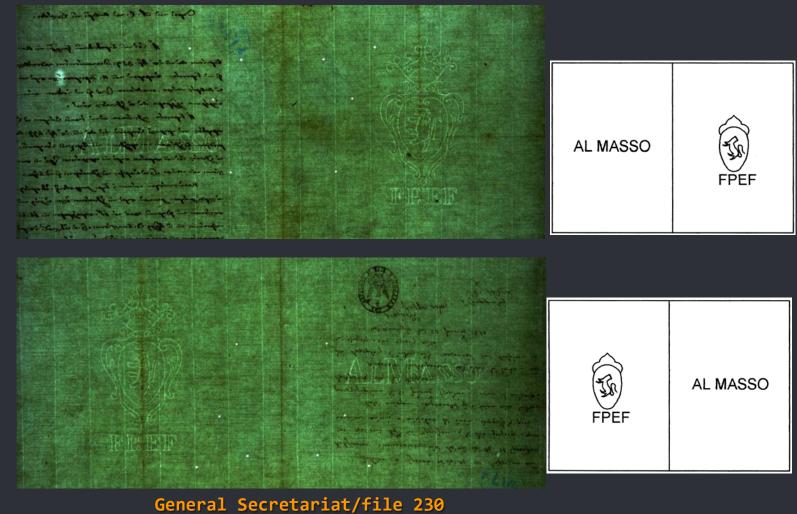
coat of arms TB IL GRAN MASSO, twin papers

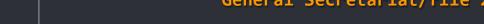


General Secretariat/file 190



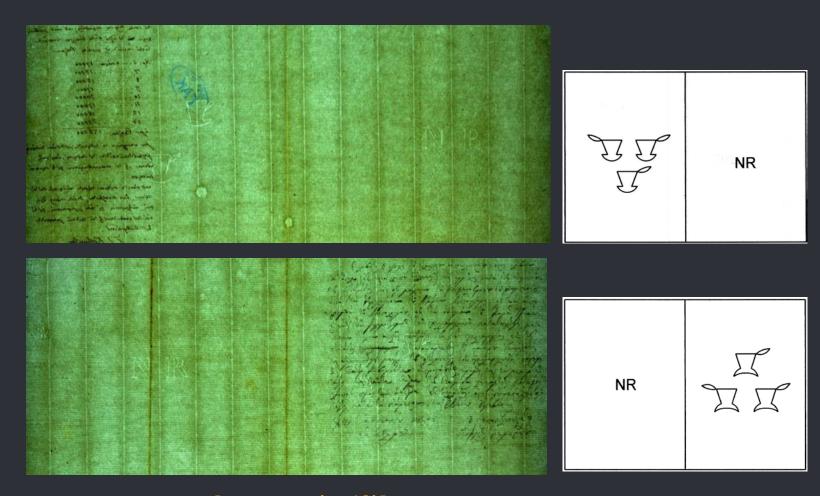
coat of arms FPEF AL MASSO, twin papers







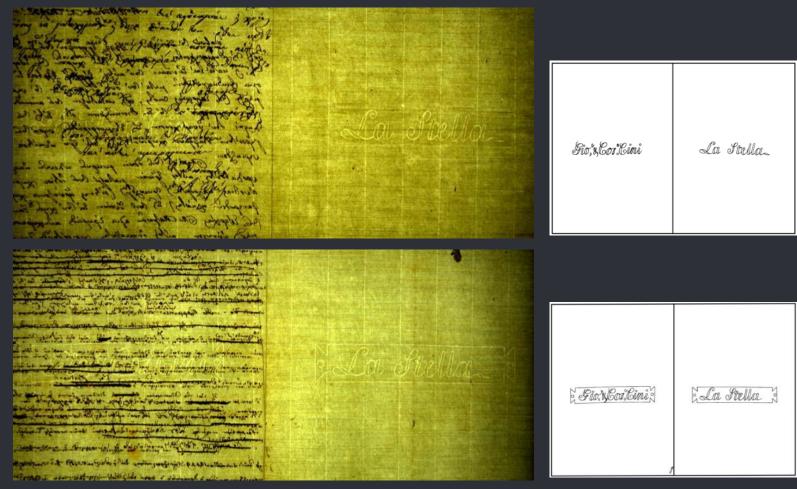
3 hats NR, twin papers



General Secretariat/file 230



Gio & Cos Cini LA STELLA, twin papers



General Secretariat/file 267



twin marks



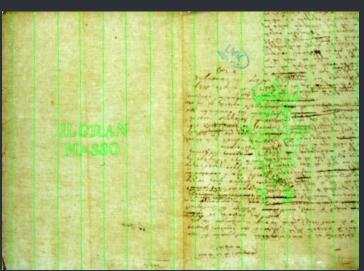
General Secretariat/
file 230



Ministry of Internal Affairs/ file 90





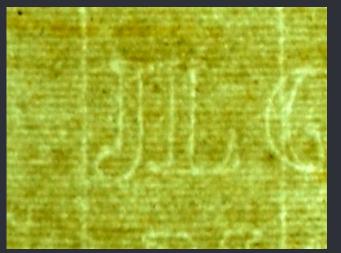


General Secretariat/file 190





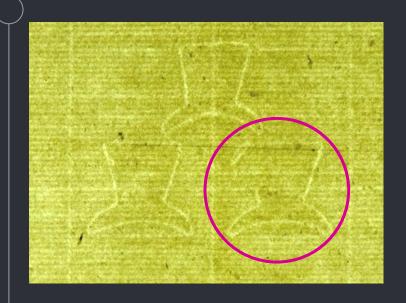


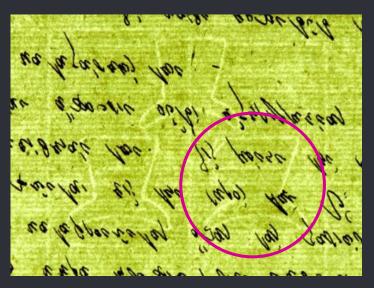




General Secretariat/file 190







Corinth

Sparta

General Secretariat/file 267



mould side of Italian paper





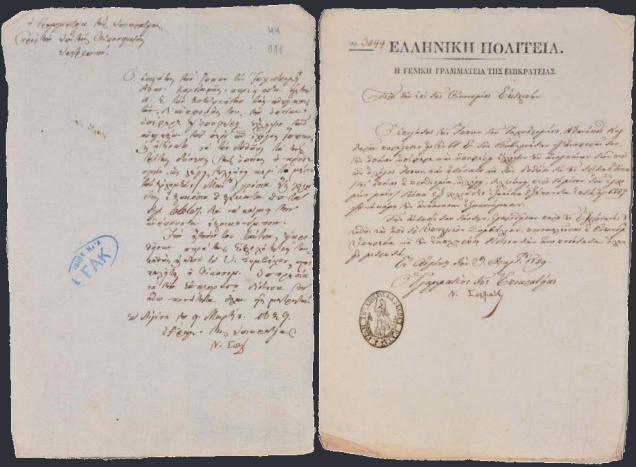


analysis of paper use

| ГГ Ф190 (1829) | | | ГГ Ф230 (1830) | | | ГГ Ф267 (1831) | | |
|---|----------|------------|---|-------|---|---|----|-------------|
| WOVE ΧΩΡΙΣ ΥΔ ; | 88 | KYB | WOVE | ПЕРІО | ГГ, КҮВ | WOVE XOPIZ YA | 16 | КҮВ |
| 3MOONS IMSC | 2 | ? | | | | | | |
| 3MOONS | 2 | | 3MOONS | 1 | | | | |
| | | | 3MOONS N | 1 | | | | |
| 3[TURKISH]HATS VG | 16 | | 3[TURKISH]HATS VG | 31 | ΔΙΑΣΠΟΡΆ ΣΤΗΝ ΠΕΡ/ΡΕΙΑ | 3[TURKISH]HATS VG | 5 | |
| 3HATS LV (OUROBOROUS) | 59 | ΘΔ, ΣΥ, ΓΦ | 3HATS LV (OUROBOROUS) | 9 | | 3HATS LV (OUROBOROUS) | 1 | |
| 3HATS NR | 1 | | SHATS NR | 45 | кув, упопл | 3HATS NR | 12 | |
| 3HATS PG FLOWER | 1 | | 3HATS PG FLOWER | 1 | | | | |
| 3HATS PL | 1 | | 3HATS PL | 1 | | | | |
| 3HATS IMC | 5 | | 3HATS IMC | 9 | | 3HATS IMC | 1 | |
| 3HATS AFG | 8 | | 3HATS AFG | 3 | ΔΙΑΦΟΡΕΤΙΚΑ | 3HATS AFG | 1 | |
| | ⇈ | | 3HATS PG | 19 | EE BE | 3HATS PG | 4 | |
| 3HATS LT | 1 | | | | | | | |
| 3HATS LA | 2 | | 3HATS GM | 4 | | 3HATS DG | 4 | |
| 3HATS ASG | 1 | | 3HATS CN | 8 | | 3HATS ASG | 1 | |
| 3HATS | 2 | | 3HATS NB | 1 | | | | |
| 3HATS VCF | 1 | | 3HATS VE | .11 | ΔΙΑΦΟΡΟΙ, KYB (TWINS) | 3HATS VE | 2 | |
| | \vdash | | 3HATS I DE MORI CENEDA | 2 | | 3HATS I DE MORI CENEDA | 1 | |
| | t | | 3HATS CP OUROBOROUS | 10 | | 3HATS CP OUROBOROUS | 5 | |
| | ✝ | | 3HATS AF | 6 | 2 ТҮПОІ | 3HATS VCF | 1 | |
| | T | | 3HATS VG | 1 | | 3HATS FFA | 5 | |
| AL MASSO COAT OF ARMS CASTLE-STAR GBB | 6 | | IL MASSO COAT OF ARMS 3 STARS GM | .53 | 00' | IL MASSO COAT OF ARMS 3 STARS GM | 16 | TT, KYB |
| AL MASSO COAT OF ARMS CASTLE B | 2 | | AL MASSO COAT OF ARMS 3 STARS GC | 1 | | AL MASSO COAT OF ARMS 3 STARS GC | 19 | гг, күв |
| COAT OF ARMS 3 STARS GBB | 1 | | AL MASSO POLIERA | 1 | | | | |
| | | | AL MASSO COAT OF ARMS TP | 2 | | AL MASSO COAT OF ARMS TP | 4 | ΔΙΑΦΟΡΕΤΙΚΆ |
| | | | AL MASSO COAT OF ARMS | 23 | TEPOYXIA: | AL MASSO COAT OF ARMS LION FP.EF | 2 | |
| IL GRAN MASSO COAT OF ARMS 3 STARS TB | 61 | п, гФ | | | | AL MASSO COAT OF ARMS STAR TB | 10 | |
| AL MASSO COAT OF ARMS CASTLE-EAGLE GIORMAGNANI | 25 | КҮВ | AL MASSO COAT OF ARMS CASTLE-EAGLE GIORMAGNANI | 15 | TF, KYB, EO (TWINS, LAID : KAI WOVE) | AL MASSO COAT OF ARMS CASTLE-EAGLE GIORMAGNANI | 1 | |



draft and final documents in laid paper

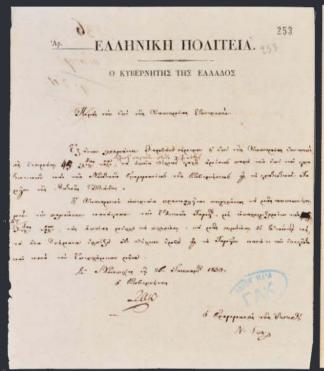


General Secretariat/
file 190

Financial Committee/ file 30



draft and final documents in wove paper





General Secretariat/
file 230

Financial Committee/ file 88



printed headers and documents in laid and wove paper









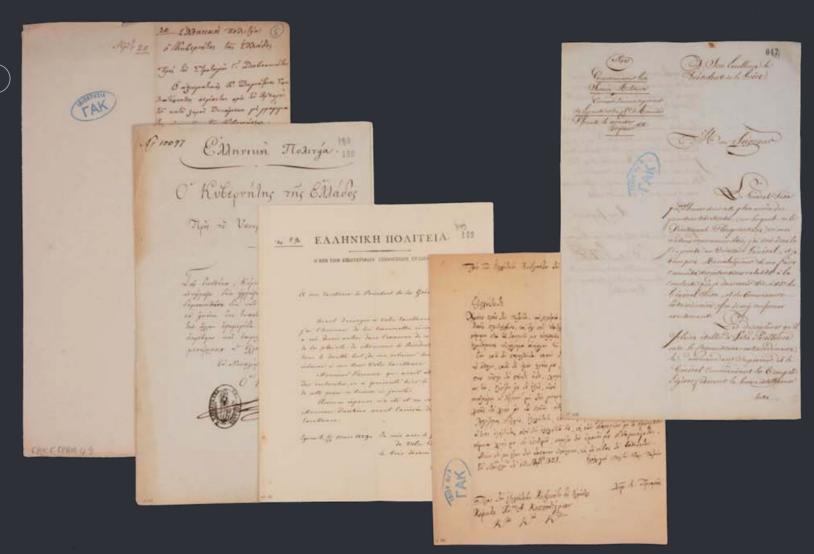
sequence of draft documents on same paper



General Secretariat/file 230

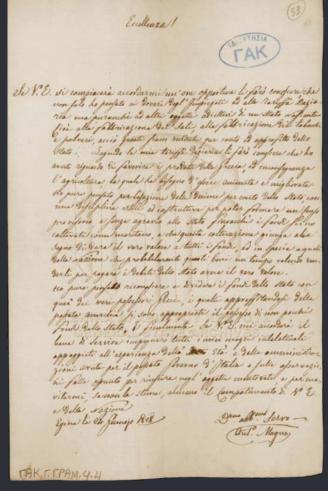


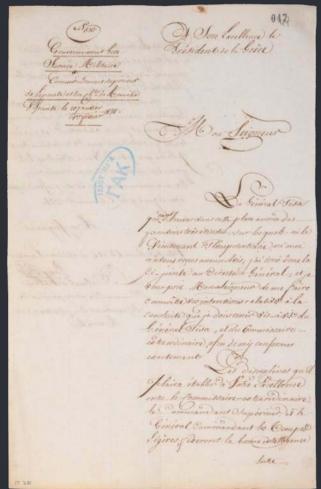
paper from northern Europe





PROPATRIA JOHANNOT, BRITANNIA JM





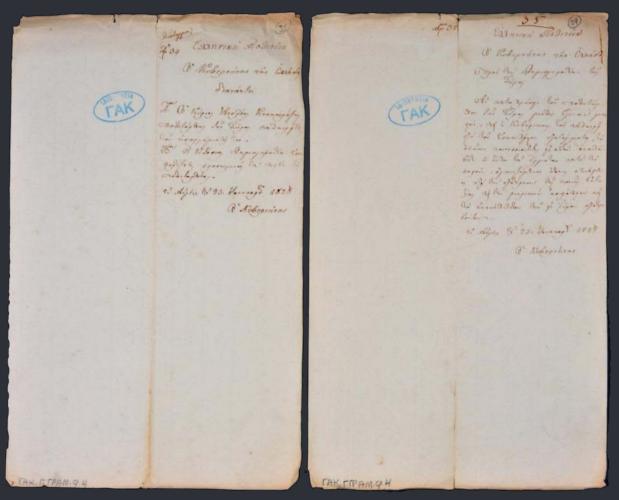
General Secretariat/file 4

General Secretariat/file 230

O. Kanakari, 5th International Conference on Watermarks in Digital Collections, Cork, 201



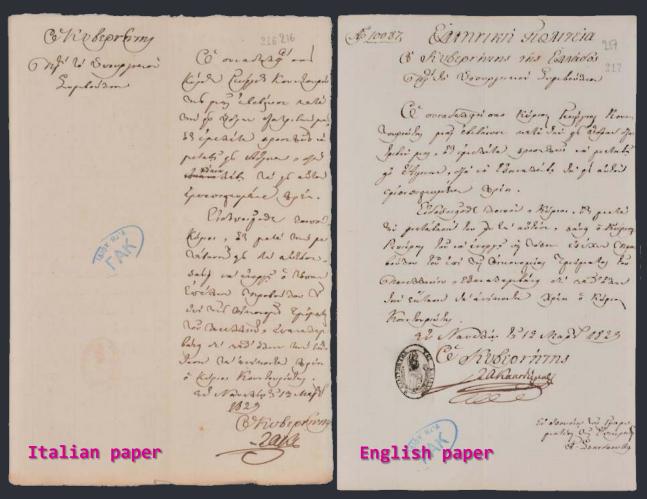
draft documents of I. Kapodistrias



General Secretariat/file 4



draft and final documents of I. Kapodistrias

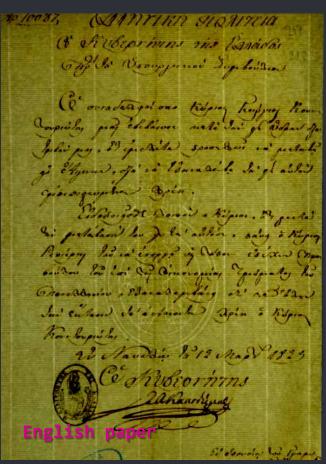






draft and final documents of I. Kapodistrias, transmitted light





General Secretariat/file 190



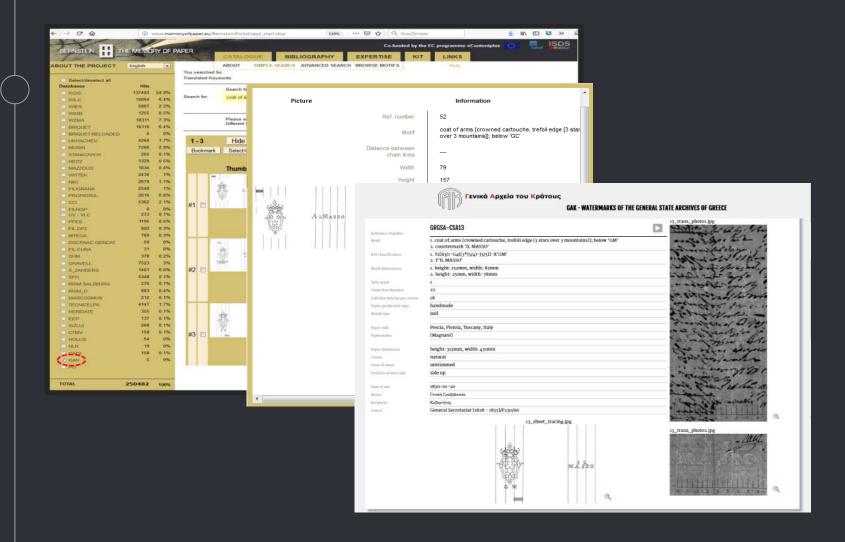
reuse of paper



General Secretariat/file 267



watermarks of GSA on Bernstein









Paper and watermark images: Ourania Kanakari Hand tracing of watermarks: Dionyssis Roussos, Ourania Kanakari





