

Frieder Schmidt

The Power of Watermark Analysis

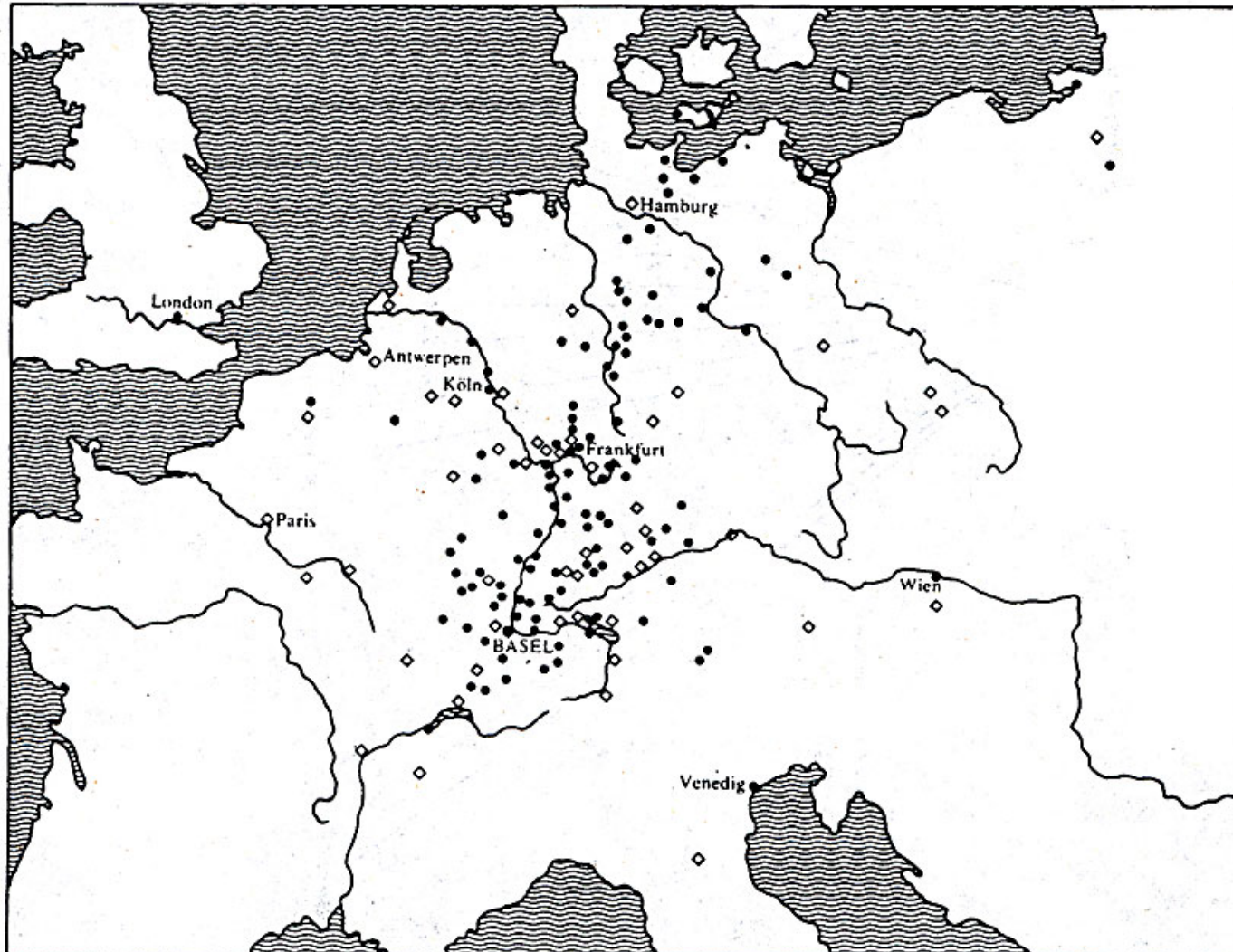
Content

- 1. Economic history**
- 2. Musicology**
- 3. Art history**
- 4. Philology**
- 5. Paper History and History of Crafts**
- 6. Metrology, Numismatics etc.**

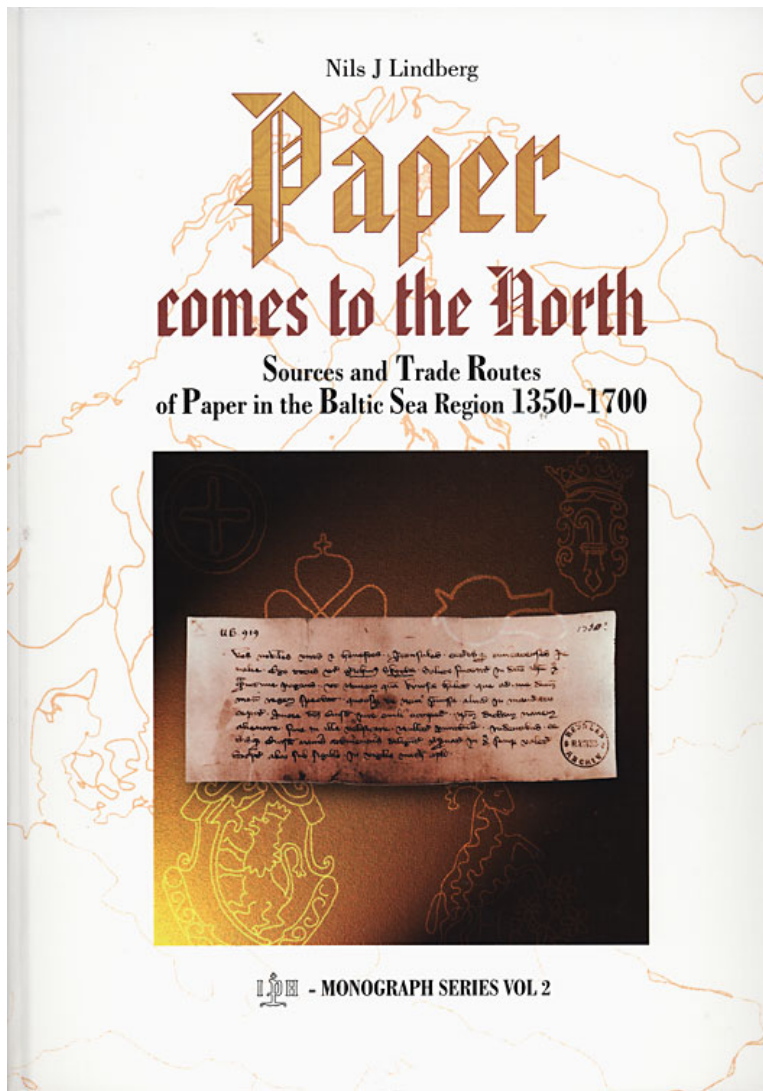
Economic history

- Franz Irsigler (1992):
La carta: il commercio
- Nils J. Lindberg (1998):
Paper comes to the north
- Maria Zaar-Görgens (2004):
Champagne — Bar — Lothringen

Franz Irsigler (1992): Dissemination of Paper from Basle



auf Grund sicherer WZ ● auf Grund zugeschriebener WZ ◇



Filigranology is mainly practised as a means of dating undated documents, prints and drawings, but watermarks can also shed light on the history of papermaking in different countries and, as in the studies reported here, inform us about the movement of paper from one country to another centuries ago. In many instances it has even been possible to establish not only the country of origin but also the exact mill where it was made.

Nils J. Lindberg: Paper comes to the North



Maria Zaar-Görgens

Champagne - Bar - Lothringen

Papierproduktion und Papierabsatz vom
14. bis zum Ende des 16. Jahrhunderts



Beiträge zur Landes- und
Kulturgeschichte

3

Maria Zaar-Görgens:
Champagne — Bar —
Lothringen :
Papierproduktion und
Papierabsatz vom 14.
bis zum Ende des 16.
Jahrhunderts. Trier :
Porta-Alba-Verl., 2004.

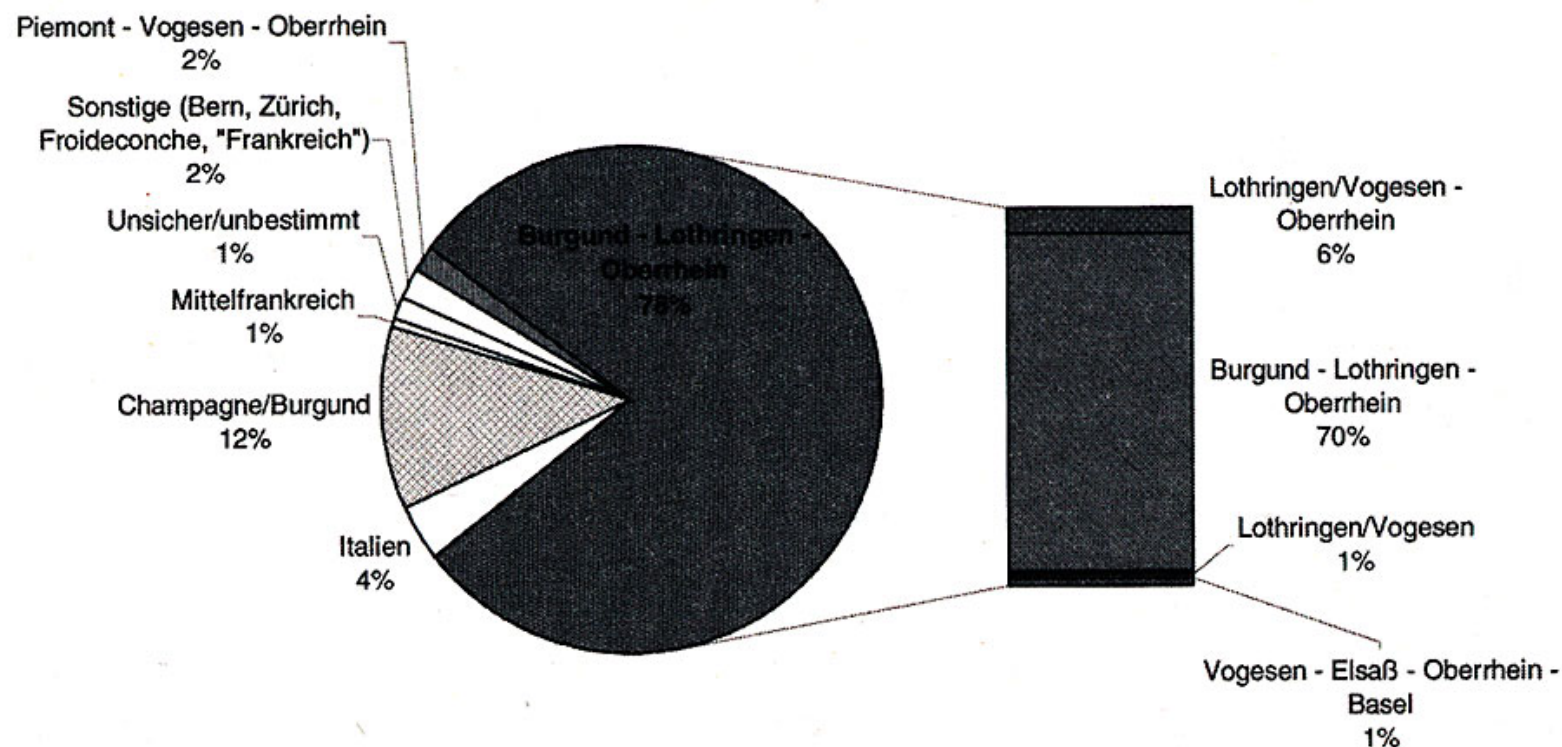


Abb. 5: Herkunft der Wasserzeichen in Kölner Frühdrucken (1468 bis 1500)
nach Piccard (100 % = 698 Wasserzeichen)

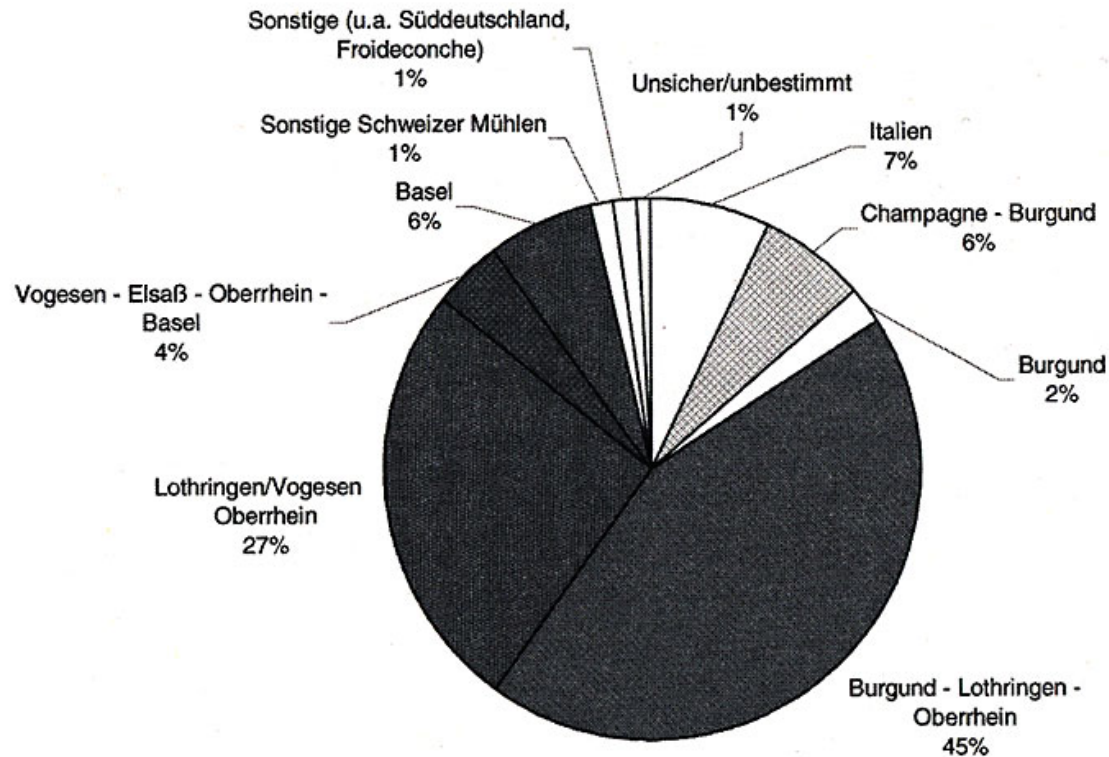
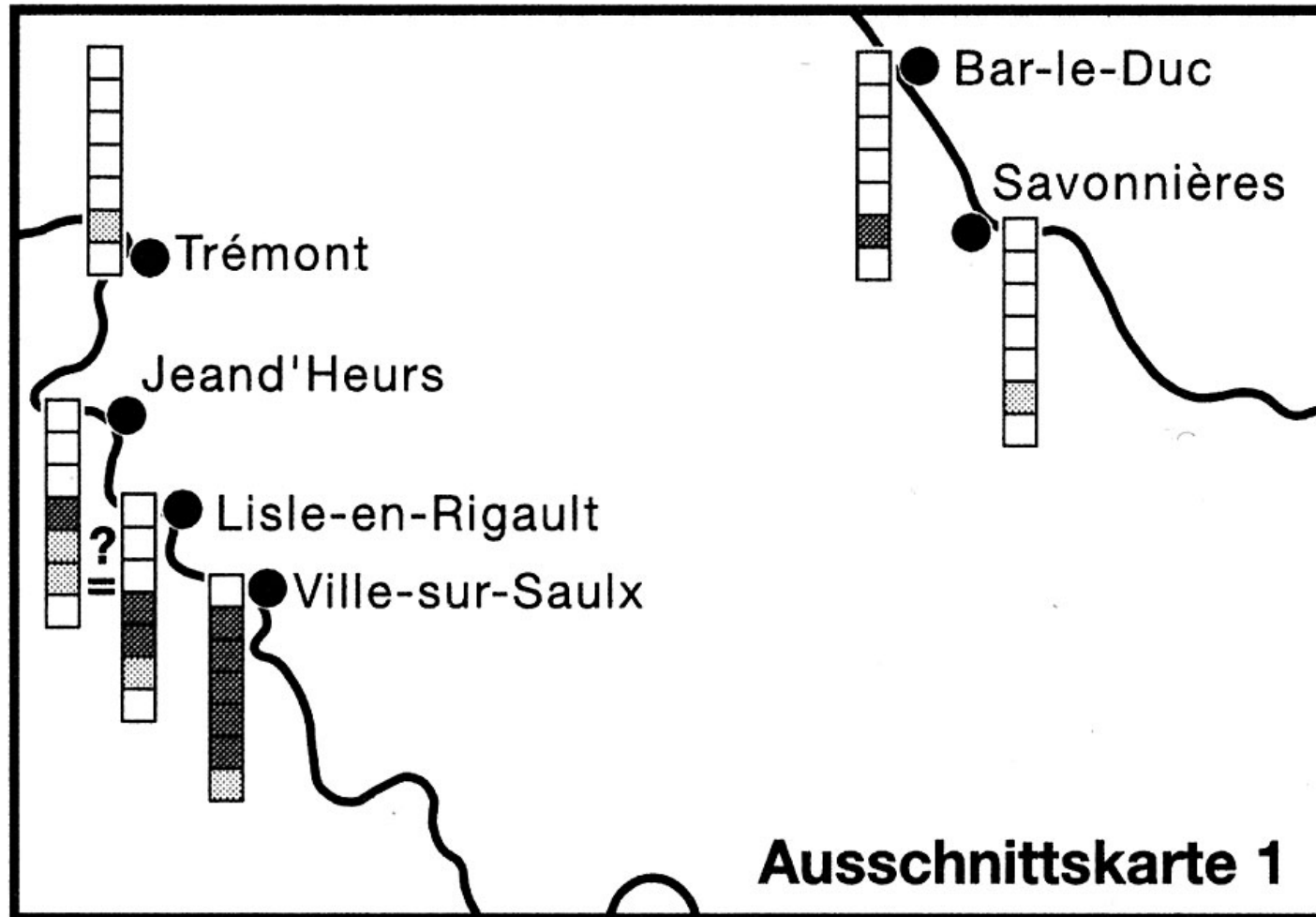
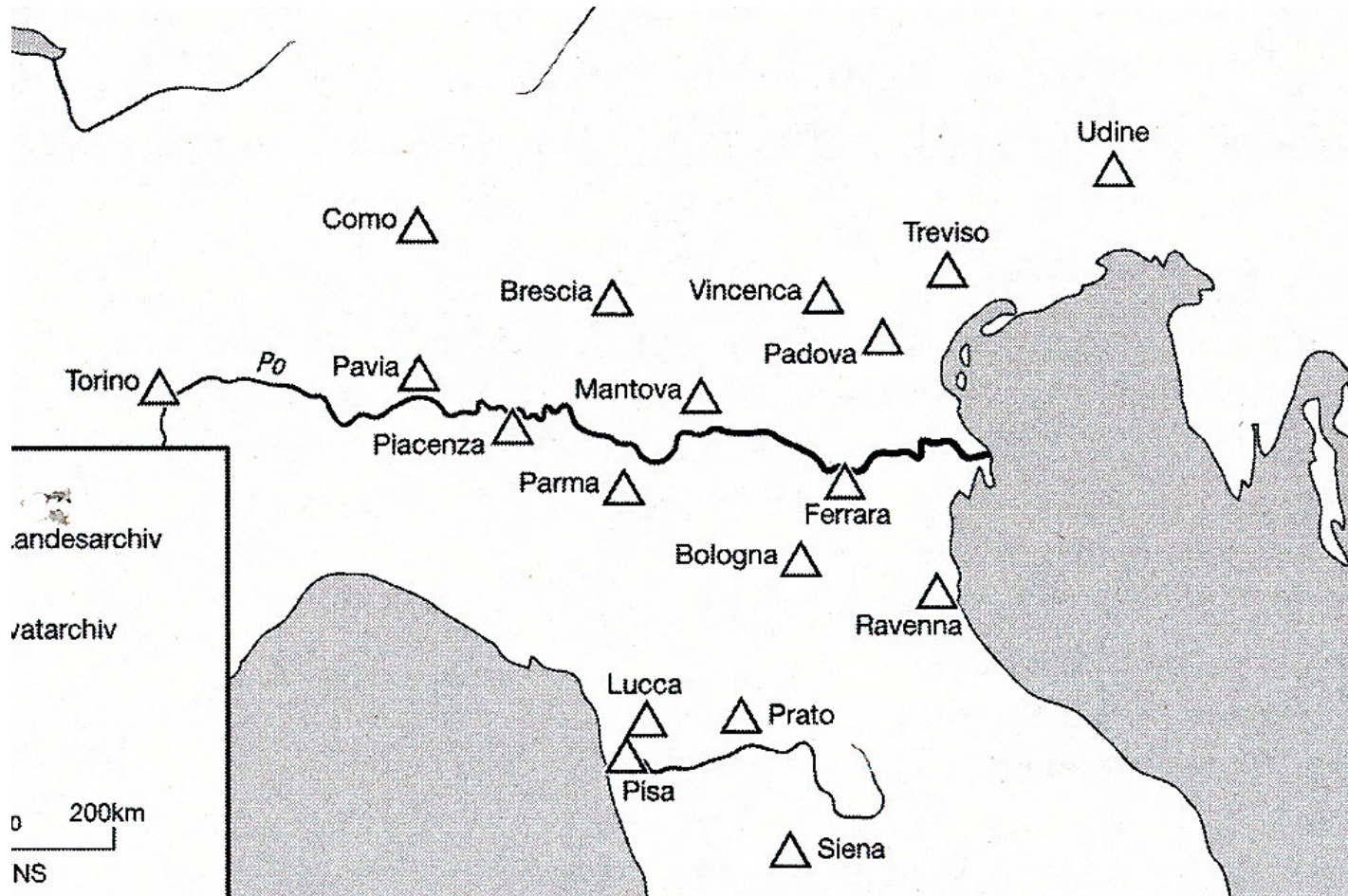


Abb. 6: Herkunft der Wasserzeichen in Straßburger Frühdrucken (1461 bis 1500)
nach Piccard (100 % = 672 Wasserzeichen)

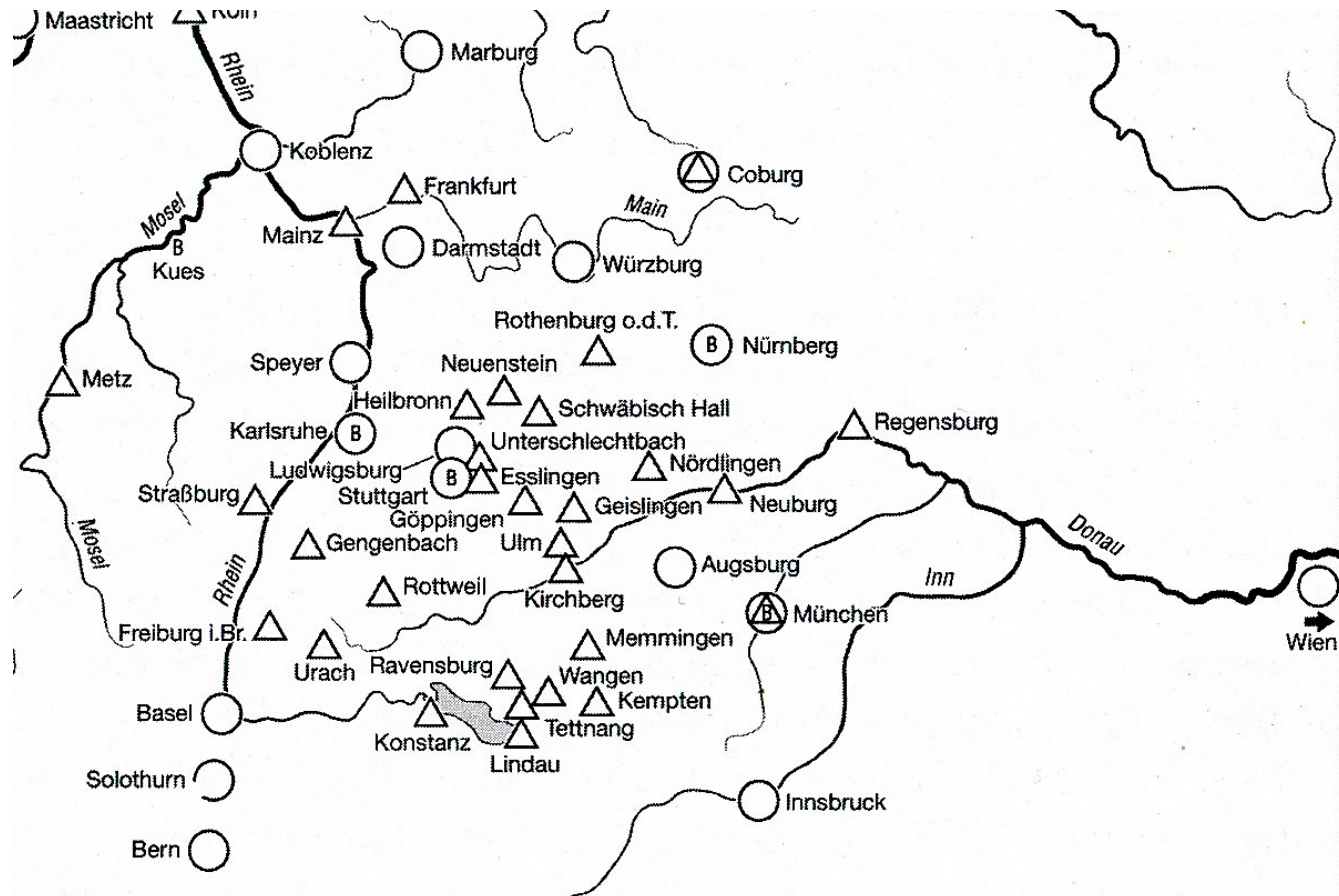
Watermarks from Bar:
only five watermarks are known (Piccard via Briquet)



M. Zaar-Görgens, map 6 Piccard's sources in Italy



M. Zaar-Görgens, map 6 Piccard's sources in Southern Germany



M. Zaar-Görgens, map 6 Piccard's sources in Northern Germany



Musicology

Like scarcely another field of study musicology has appropriated additional information given by paper consistence and watermarks.

Example:

Tyson, Alan: Wasserzeichen-Katalog. - Kassel : Bärenreiter
(Neue Ausgabe sämtlicher Werke / Wolfgang Amadeus Mozart
; Ser. 10, Werkgruppe 33, Abt. 2)

Textbd. - 1992. - XXIX, 68 S.

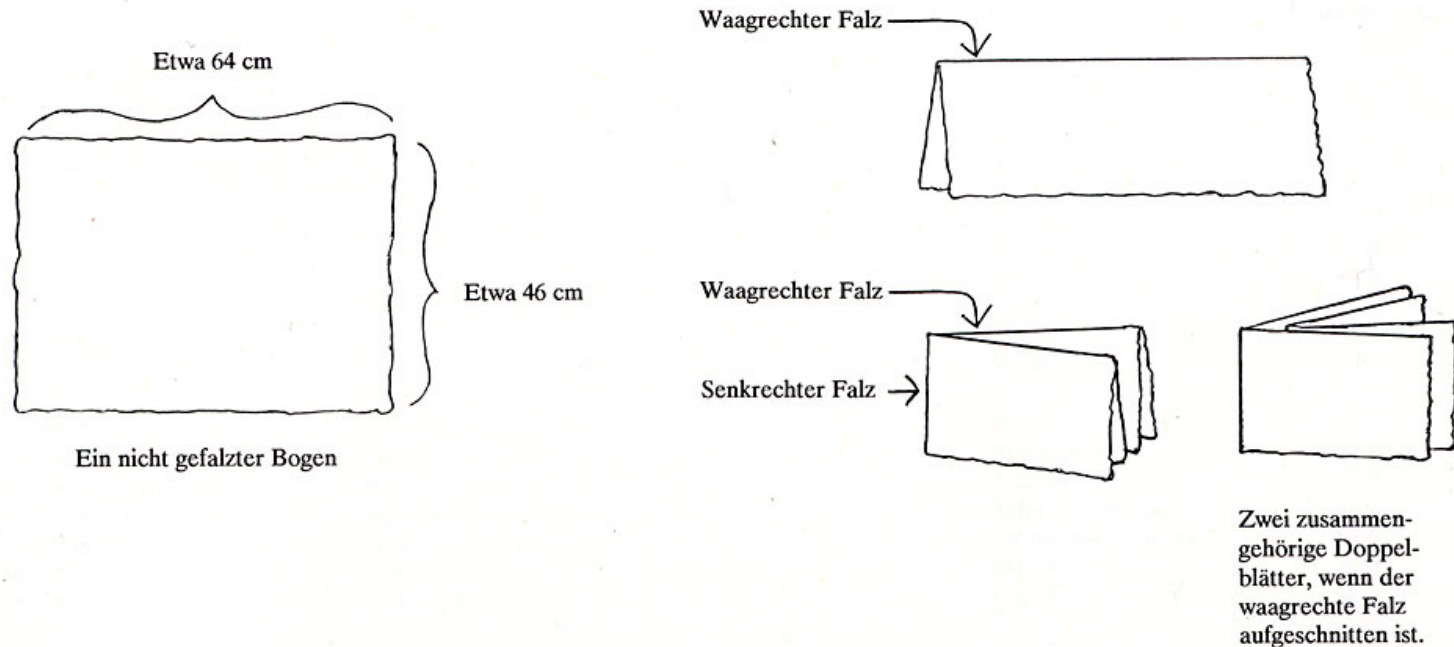
Die Wasserzeichen: Abbildungen. - 1992. - 221 S.

Alan Tyson: Criteria for successful watermark research

- Description of the watermarks in consideration of the complete sheet of paper
- Uniform orientation of the paper – observation from the mould side
- Taking into account, that there are two moulds

Folding and cutting of paper (Mozart)

4. Aus einem Papierbogen entstehen durch Falzen und Aufschneiden zwei Doppel- oder vier Einzelblätter

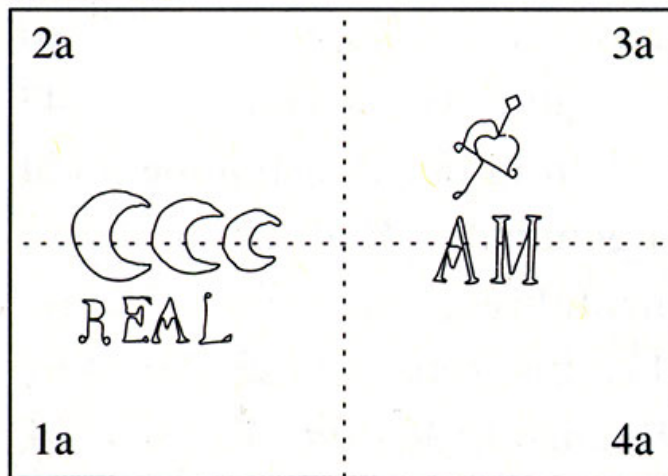


XV

1. Beispiele für Zwillings-Wasserzeichen

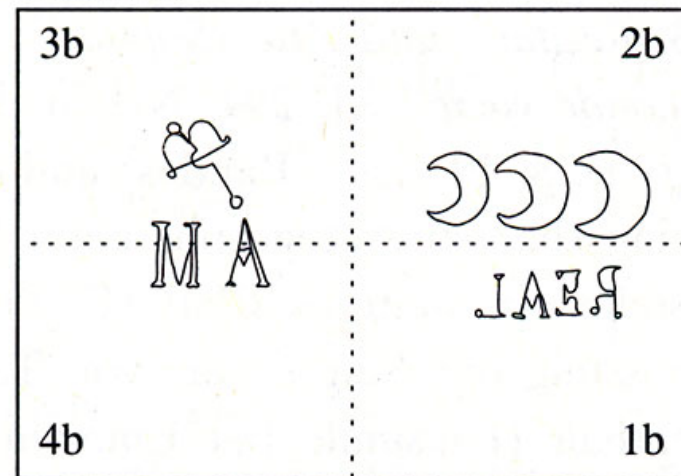
Wasserzeichen 74

Form A



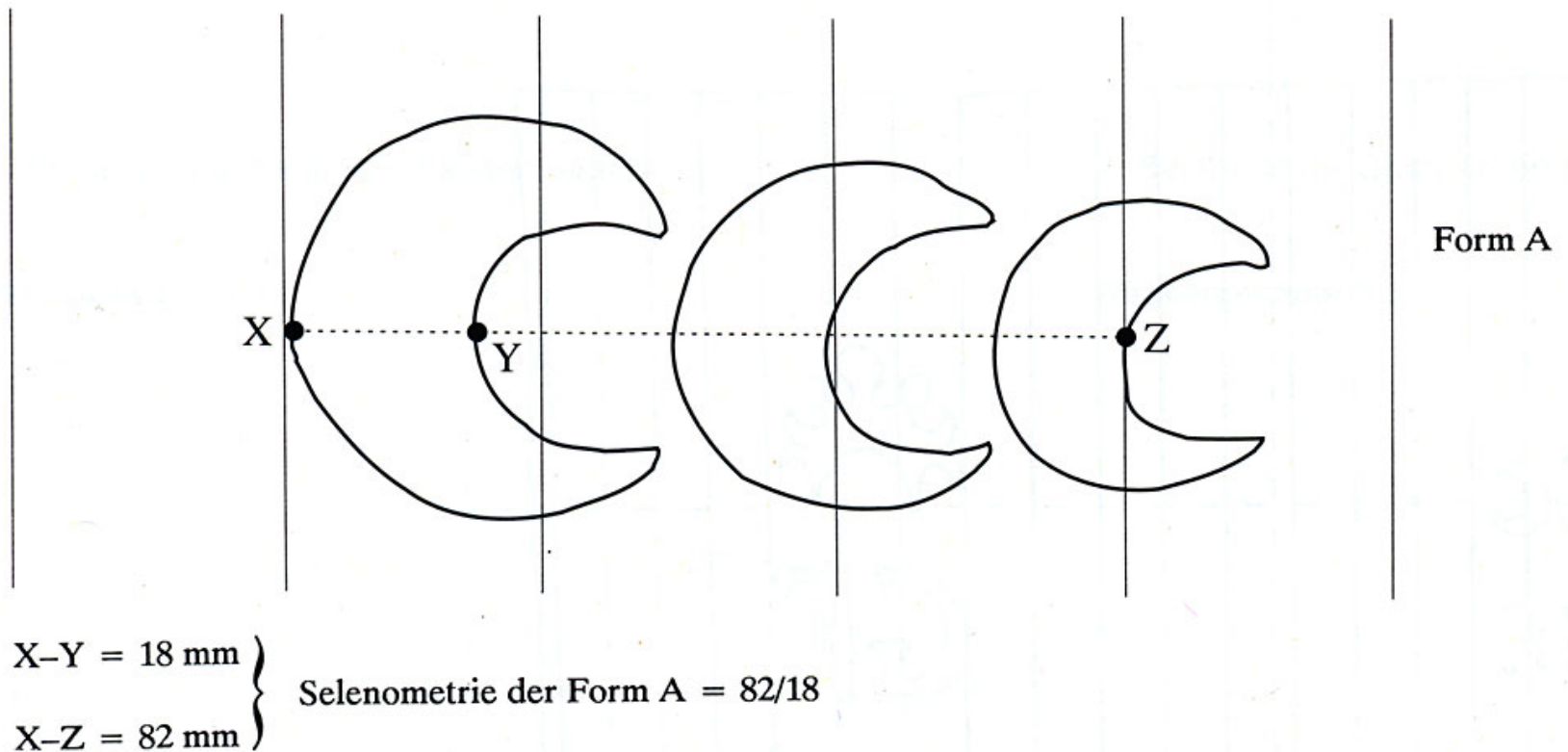
sel = 79 bis 80/17 bis 18

Form B



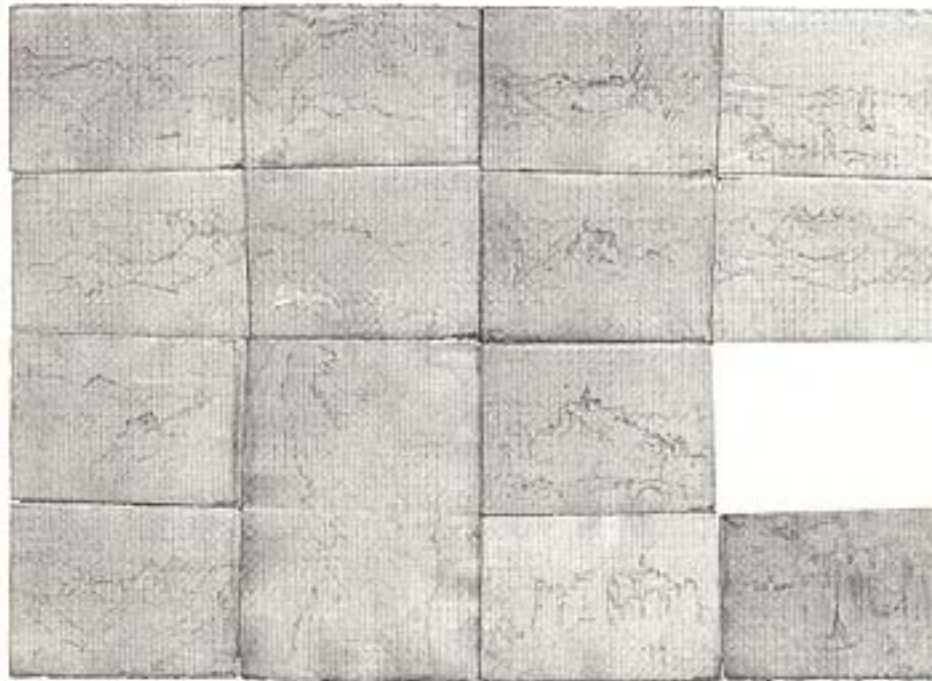
sel = 84 bis 85/18

Alan Tyson: Selenometrie



Art history

- Bower, Peter: Turner's papers : a study manufacture, selection and use of his drawing papers 1787-1820 ; [publ. ... on the occasion of the exhibition at the Tate Gallery: 10 Oct. 1990 - 13 Jan. 1991]. - London : Tate Gallery, 1990.
- Bower, Peter: Turner's later papers : a study of the manufacture, selection, and use of his drawing papers 1820-1851 / Peter Bower. - New Castle, Del. : Oak Knoll Press ; London : Tate Gallery Publishing, 1999.



62



62A

William Turner

Reassembled sheet 1840

Imperial

Torn down into 16
irregular sized pieces

Paper maker:

Thomas Smith and Henry
Allnutt, Great Ivy Mill,
Maidstone, Kent

Philology

Ziesche, Eva: Die Papiere und Wasserzeichen der Hegel-Manuskripte : analyt. Unters. / Eva Ziesche ; Dierk Schnitger. - In: Der handschriftliche Nachlaß Georg Wilhelm Friedrich Hegels und die Hegelbestände der Staatsbibliothek zu Berlin Preußischer Kulturbesitz. Teil 2. - Wiesbaden : Harrassowitz, 1995. - S. 7-[224] (Kataloge der Handschriftenabteilung / Staatsbibliothek Preußischer Kulturbesitz : Reihe 2, Nachlässe ; Bd. 4)



G. W. F. Hegel: Places of Residence

- **Tübingen:** Autumn 1788 to September 1793
Paper from Pfullingen, Unterkochen, Memmingen, Kempten
- **Bern:** October 1793 to September 1796
Paper from Bern, Basel-Augst
- **Frankfurt** am Main: Januar 1797 to December 1800
important market place, paper from many different places (Basel, Alsace, Lorraine, Netherlands)
- **Jena:** January 1801 to February 1807
Paper from Fleissen (Bohemia), Plauen, Königstein, Blankenburg, Moschendorf, Netherlands

G. W. F. Hegel: Places of Residence

- **Bamberg**: March 1807 to November 1808
Paper from Ravensburg and Römershag
- **Nürnberg**: November 1808 to October 1816
Paper from paper mills nearby and from Bergisch Gladbach
- **Heidelberg**: October 1816 to September 1818
Paper from Burgthann
- **Berlin**: October 1818 to 14.11.1831
Paper from Spechthausen, Düren, Bergisch Gladbach, Bernburg (Saale), Röthenbach, Memmingen, Ettlingen, Basel

Paper History and History of Crafts

- History of paper mills
- History of paper maker families
- History of specific paper grades and their watermarks
- History of paper use

Heinz Reitz: Odenwald paper mills

Tafel 2: Wasserzeichen aus Papiermühlen der Familien
Illig und Mattfeld 1750

Nr. 7 – 10:

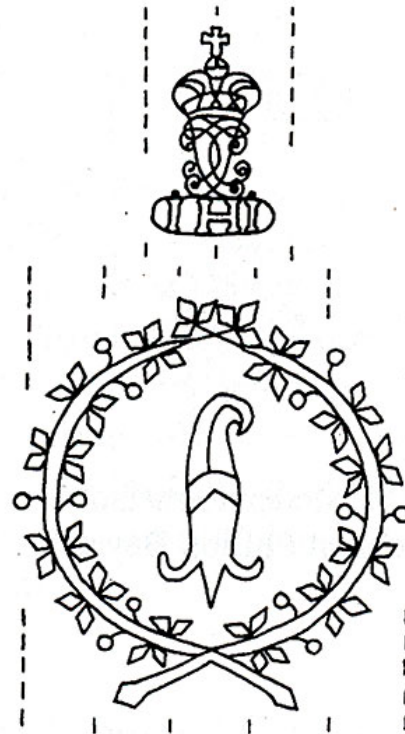
PM Edingen-Katzenfurt

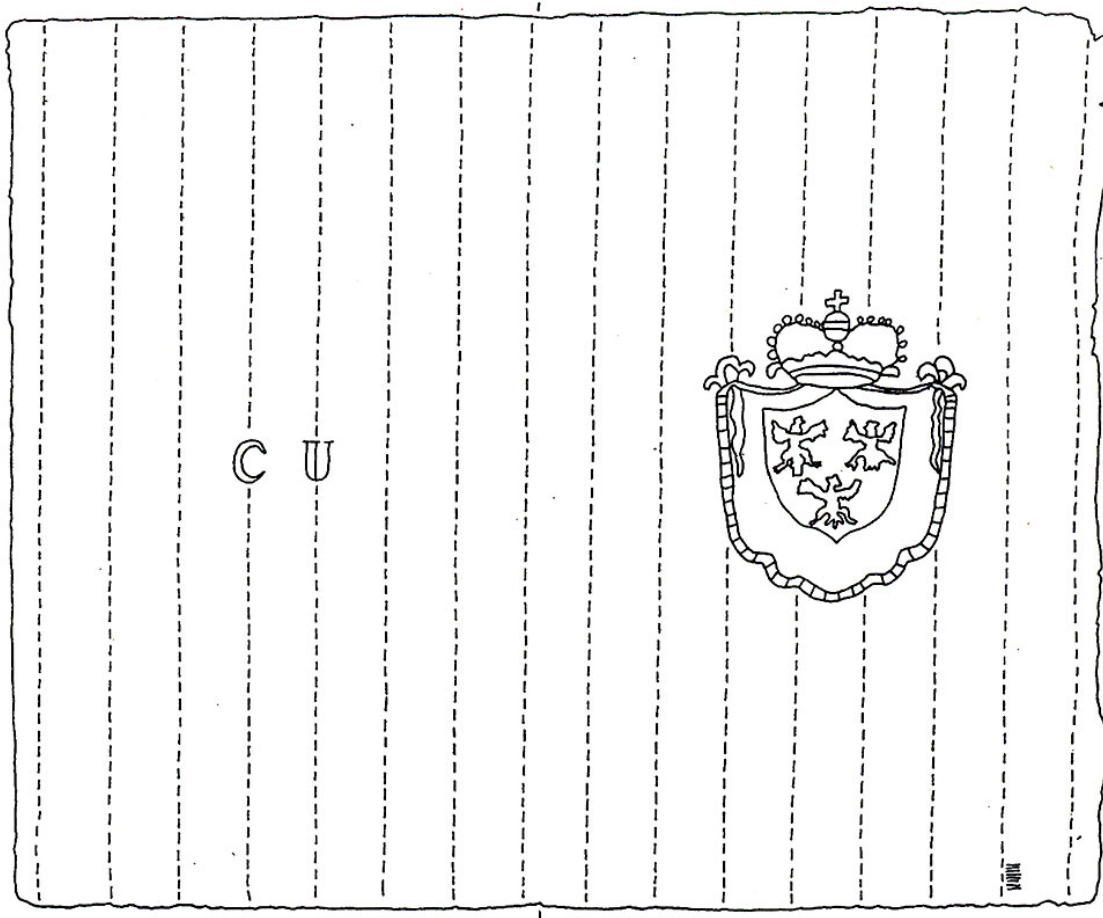
Johann Heinrich Illig (*1701, †1783)



a
—
7
—
b

a
—
10
—
b





Heinz Reitz:
Always the
complete sheet
with all its
elements is of
interest

Wasserzeichen aus dem Jahre 1750						
Was- ser- zei- chen Nr.	Papier- mühle	Amt Breu- berg	Amt Frei- en- stein	Stadt Groß- Um- stadt	Ev. Kir- che Rein- heim	Sum- me der Bö- gen
Papiere aus Odenwälder Papiermühlen [Tafel 1]						
1	Nieder-Ramstadt	-	-	1	-	1
2	Zell i. Odenw. I	17	7	16	1	41
3	Wald-Michelbach	17	2	4	-	23
4	Wald-Michelbach	-	6	-	-	6
5	Langen-Brombach	-	25	-	-	25
6	Unbekannt	-	-	1	-	1
Papiere der Familien Illig und Mattfeld [Tafel 2]						
7	Edingen-Katzenfurt	3	-	8	-	11
8	Edingen-Katzenfurt	5	-	2	13	20
9	Edingen-Katzenfurt	-	-	1	-	1
10	Edingen-Katzenfurt	-	-	1	2	3
11	Unter-Schmitten	-	2	1	-	3
12	Unter-Schmitten	-	-	15	-	15
Baseler-Stab-Papiere [Tafeln 3 – 5]						
13	Blum, Basel	12	-	3	2	17
14	Blum, Basel	2	-	3	-	5
15	Unbekannt	1	-	9	-	10
16	Heusler, Basel	1	-	7	-	8
17	Unbekannt	-	-	-	2	2
18	Unbekannt	-	-	2	-	2
19	Heusler, Basel	3	-	5	-	8
20	Unbekannt	-	-	1	-	1
21	Heusler, Basel	-	-	9	-	9
22	Unbekannt	-	-	13	-	13
23	Heusler, Basel ?	-	-	1	-	1
24	Heusler, Basel ?	-	-	9	-	9
25	Heusler, Basel ?	-	-	13	-	13
26	Odenwald PM 1	56	2	2	-	60
27	Odenwald PM 2	-	-	-	2	2
28	Odenwald PM 3	42	2	19	3	66
29	Lohr am Main ?	1	-	-	-	1
30	Wald-Michelbach?	1	-	1	-	2
31	Unbekannt	-	-	14	-	14
Andere Papiere [Tafel 6]						
32	Unbekannt	-	-	3	-	3
33	Unbekannt	16	-	-	-	16
34	Steinau a. d. Straße	-	-	24	-	24
35	Wendelstein	25	13	-	-	38
Summe:		202	59	165	25	451

	In 1750
4	corporations
451	sheets of paper
35	suppliers
18	identified
5	with ?
3	located, not identified
9	unknown

Mouldmakers

- Since 17th century a specialised profession,
- Itinerant trade – mouldmakers travelled from paper mill to paper mill within a specific area,
- Some watermark elements are part of his equipment (e.g. prepared letters or some watermark motifs),
- Which system of measurement do they use (c.f. the research results of Leo an Öie Utter, Tartu)?
- Is the used system of measurement a hint in respect of regional provenance?

Thank you for listening