

In case of glass, especially glass paperweights "Bohemian" attribution is very often false or at least inaccurate.

Inaccurate – as there were about 60 glassworks in the 19th c. Bohemia.

False – as there were other important glassmaking centers in neighboring states frequently mistaken with Bohemian.

# Revival of the forgotten art.

Filigree and mosaic glass objects.

- Introduced in Egypt - 3rd century BC

- Forgotten and revived again in the 15th, 16th and 18th centuries in Venice

Forgotten art. - filigree and mosaic glass used for production of different glassware, among them beads and glass globes – paperweights.

As a most challenging art it was kept in secret, forgotten and revived several times during the ages.

Today we admire contemporary and 19th century paperweights with lampworked and millefiori designs. This kind of glass was introduced much earlier - for the first time in ancient Egypt

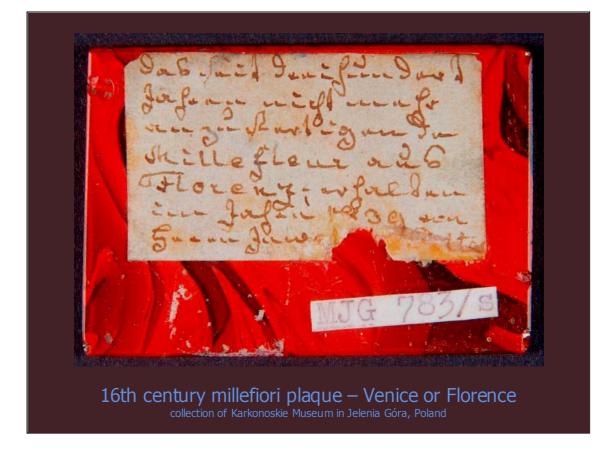


The art we are talking about is depicted on this 19th century photograph of ancient and 15-18 century objects.

Photo: paper 18 x 22 cm (7" x 9")

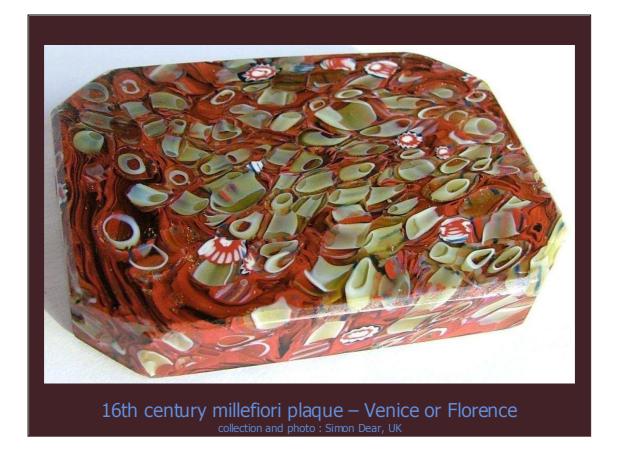


Dimensions ca 4cm x 6cm x 0,5cm thick



Reverse side of the plaque – on the original German inscription we find information it's Florence origin millefiori plaque made 300 years ago, received from Mr. .... in 1839.

Florence was at that time another important glassmaking center in Italy and today it's hard to attribute which millefiori objects were made in Florence or Venice.



Another, never before published plaque from 16th century Venice (or Florence) Courtesy of Simon Dear, UK.





Very similar plaque we can find on the presented photograph.

# Early paperweights:

- Ancient millefiori glass balls and other objects from the Jupiter Ammon temple in Egypt – discovered by Heinrich von Minutoli

- 15th-16th c. Venice - small glass globes with colored flowers inside  $\ensuremath{^*}$ 

- 18th c. Venice – glass "enamel-filled" balls – described by F. de Bondaroy in 1763  $\ast$ 

\* G. Sarpellon : Miniature Masterpieces. Mosaic Glass 1838-1924, p.p. 61-63

Minutoli: the godfather of the 19th century paperweights revival.



18-c. glass globe – according to the sketch of de Bondaroy described as a glass ball with "colored enamels" inside - example of early paperweight from Murano - Venice.

Diameter 6cm, flat polished base, density: 2,2967

Paperweights and other mosaic glass objects were always very exciting and demanded.

Even when the art declined, after shorter or longer time it was rediscovered again by most skilled glassmakers.

## Heinrich von Minutoli (1772-1846) Prussian Generalmajor and archeologist



1821-1822 visited Murano to reinvent millefiori and paperweights art, but reinvention was not successful

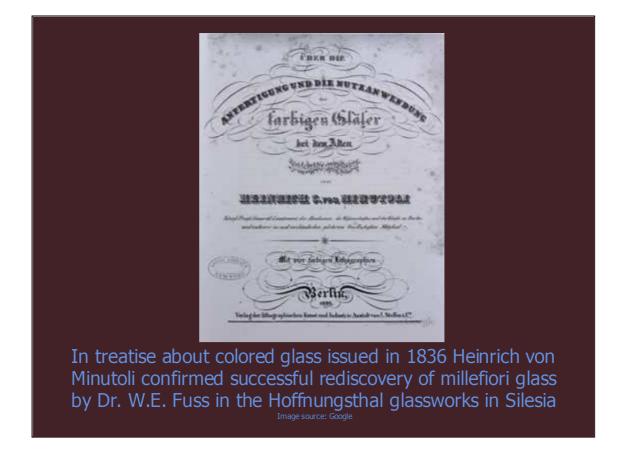
Heinrich von Minutoli : the godfather of the 19th century paperweights revival. One of those, who at the beginning of the 19th century was attracted by mosaic glass globes.

During his journey to the Jupiter Ammon temple he discovered mosaic glass globes and other objects.



Heinrich v. Minutoli possessed large collection of Egyptian antiques, among them mummies and mosaic glass wares.

His son, Alexander von Minutoli bought this palace in Freiersdorf am Queiss in 1863.



Dr. Fuss worked in Hoffnungsthal glassworks on millefiori from 1830. In 1833 he showed in Berlin millefiori glass objects and won 500 Reichs Thalers prize.

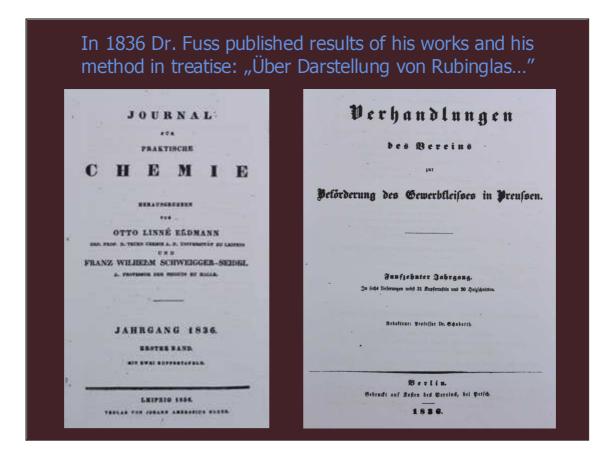
Dr. W.E. Fuss – chemist from Magdeburg in the years 1830-1840 worked in the Silesian Hoffnungsthal glassworks on reinvention millefiori glass.

His important discovery – cheaper gold ruby glass with limited amount of gold and improved quality especially for millefiori production

Fuss achieved positive result in the summer 1833 and presented it on the exhibition in Berlin.

After work in Hoffnungsthal he returned to Magdeburg and continued millefiori production till 1842 with little commercial success

Fuss might be encouraged to this work by Heinrich v. Minutoli, but it's not proved. It's possible, that Owners of the Hoffnungsthal glassworks – brothers Matterne started to work on reinvention millefiori and filigree glass before 1830 and were influenced by Minutoli.



Detailed description of Dr. Fuss' method was published in two periodicals in 1836.

For achievements in gold ruby glass production he received in 1833 500 Reichs Thalers prize from The Society of Industry Development in Prussia



## Dr. Fuss' millefiori from the Hoffnungsthal Glassworks Millefiori bar : 11 cm x 1,5 cm x 0,8 cm

Collection of the Karkonoskie Museum in Jelenia Góra, Poland



Unfortunately no millefiori paperweights are known with millefiori made by Dr. Fuss

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Excellent reputation of the Hoffnungsthal glassworks and it's owners might be a reason, that Dr. Fuss arrived there to conduct his works and experiments.

Benjamin Matterne was also mentioned and prized in professional periodical issued by The Society of Industry Development in Prussia.

Hoffnungsthal glassworks established in 1795 by Carl Christian Preussler and Benjamin Matterne. The glassworks name means "The valley of hope".

Production started in January 1796. In the 1799 glassworks was equipped with composition furnace.

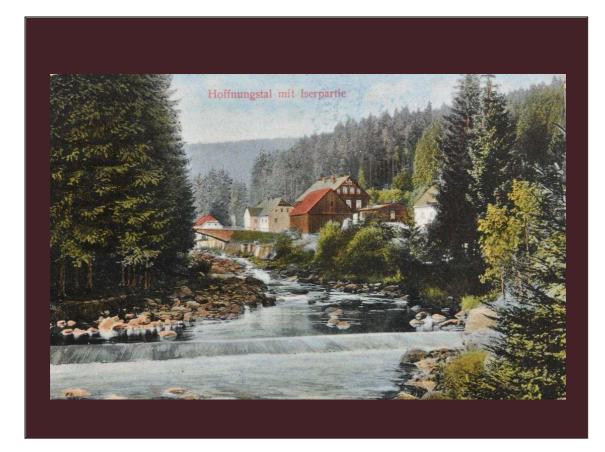
In the 1821 glassworks burned down. Rebuilt by Benjamin Matterne continued production until 1868, when it was closed by the last owner – count Schaffgotsch.

Hoffnungsthal specialized in millefiori and gold ruby glass exported mainly to England and America

From the ancient Egypt we finally arrived to the forests of Silesian Giant's Mountains – Riesengeburge, where Hoffnungsthal was located

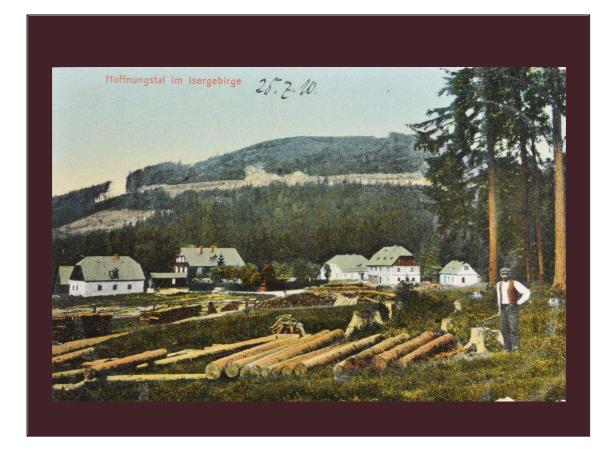
Glassworks was equipped with composition furnace for production of colored glass.

In fact Matterne was focused on millefiori production, while Fuss experimented with millefiori glass formulas and was mainly focused on gold ruby glass improvement.



Late 19th century postcard.

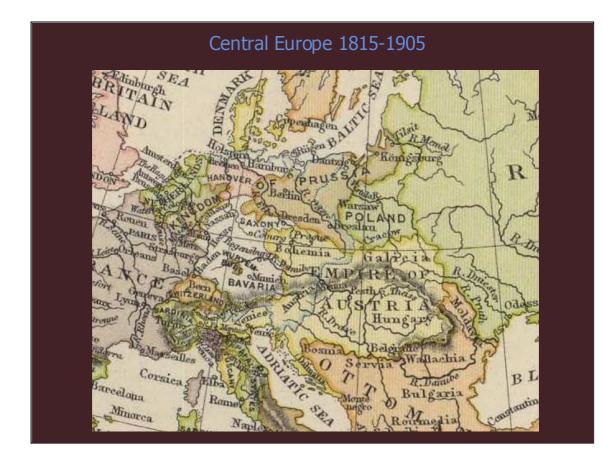
The river Iser, on the left bank – Bohemia in Austrian Empire, on the right bank – Hoffnungsthal, Silesia in the Kingdom of Prussia.



Another postcard with view on the Hoffnungsthal – the glassworks used to be placed in the center of the area until 1868.

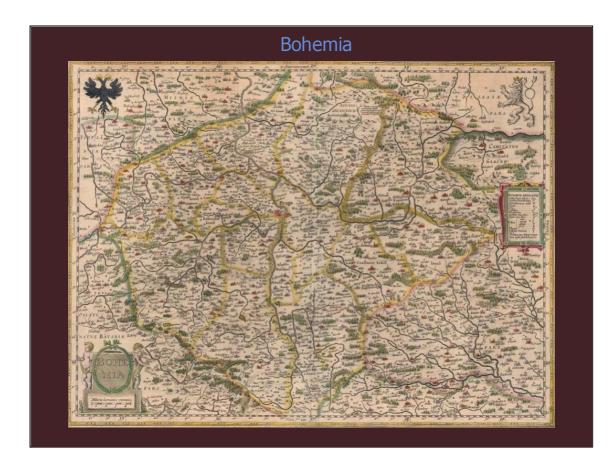


Bohemia – today's territory of the Czech Republic.



Silesia – a part of the Kingdom of Prussia.

Bohemia as well as Venice – a part of the Austrian Empire.



Map of the Bohemia – ca. early 18th century



Silesia – a south-east part of the Kingdom of Prussia.

- Silesia became a part of the Kingdom of Prussia in 1763 and remained there until 1945

- Bohemia was a part of the Austrian Empire from 1526 till 1918

- Venice was under Austrian rule from 1797 till 1866 (except for 1805-1814) – a main competitor of Bohemia on the glass beads market

### 19th c. revival of the millefiori glass in Venice

-Domenico Bussolin in 1836 together with his father-inlaw and elderly glassmasters: Ravanello Girolano, Leonardo Ferra and Angelo Serena started works on revival millefiori and filigree glass.

-In 1838 he opened a factory in Murano, where they produced millefiori glass objects till 1842.

-Bussolin was prized for his achievements in 1842, but achieved no commercial success and closed down his factory.

In 1842 Bussolin received silver medal from Veneto Institute of Sciences, Literature and Arts for millefiori and filigree glass objects Domenico Bussolin in his guide for foreigners described filigree and millefiori glass revival in Venice. The main business at that time was glass beads production, where the only competitor for Venetian were Bohemian glassworks.

#### LES CÉLEBRES VERRERIES

## DE VENISE ET DE MURANO

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par DOMINIQUE BUSSOLIX.

VEXISE 1847, Librairie Allemande et etrangère de IL F. Munster

Plants for Mario of Lormoon-



There is no reason to think, that Bussolin with his skilled workers did not make a paperweights as colored glass globes were very popular in Venice before.

## Paperweights with Bussolin filigrees and millefiori\*

- Coherent group of paperweights containing only Bussolin's canes

- mean specific gravity of 2.81
- yellow-lime UV fluorescence
- mean diameter ca 7 cm (2.75")

- bases with wide basal ring, usually with deep polished concavity

- filigrees rotation - down to right

- limited number of silhouette canes known

- exist examples of related objects – filigree vases with paperweight foot

\*) PCA Bulletin 2007 "Venetian Heritage. Domenico Bussolin – Millefiori and Paperweights"

## Paperweights with Bussolin filigrees and millefiori



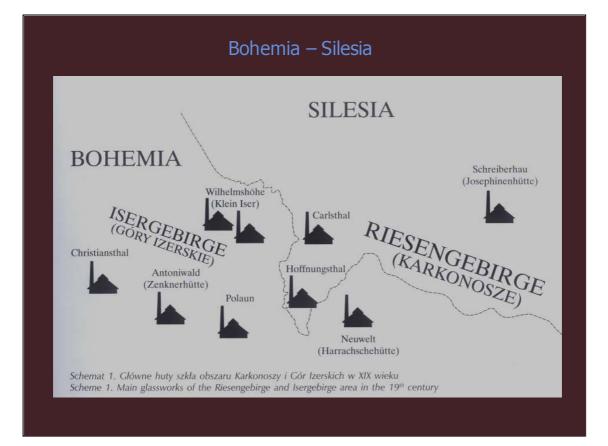
Bussolin's paperweights bases are usually polished concave, but sometimes also appear with pontil mark remaining.

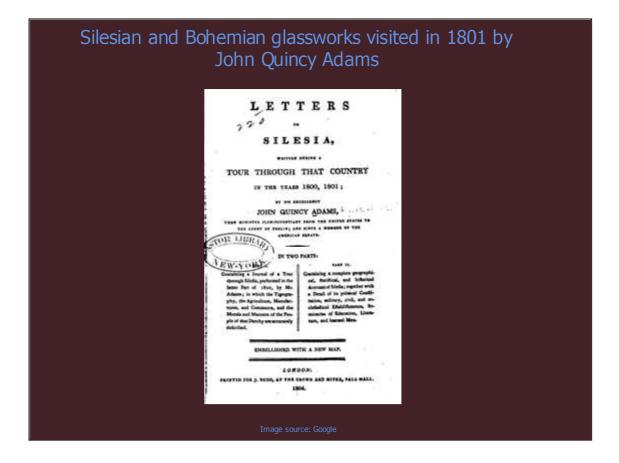
## Paperweights with Bussolin filigrees and millefiori



# Bohemian – Silesian border

Riesengebirge – Giant's Mountains

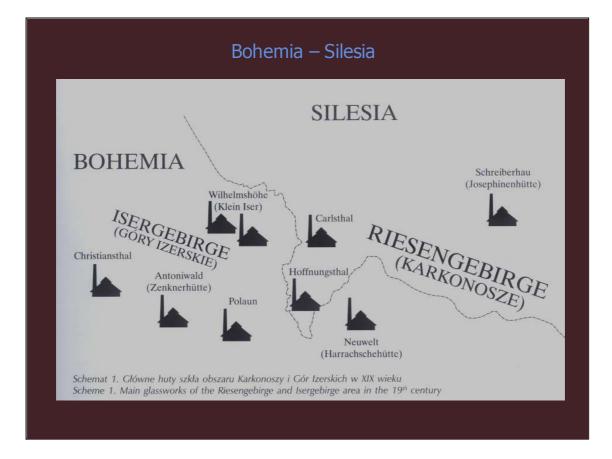




In the "Letters on Silesia", further American president John Quincy Adams mentioned, that glass made in Bohemian glassworks (most probably Harrach's Glassworks) was better and cheaper than produced in Carlsthal glassworks at that time.

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John Quincy Adams lived that time in Schreiberhau (today's Szklarska Poręba, Silesia in Poland) for a short period of time.



The glassmaking territory of Bohemian – Silesian border.

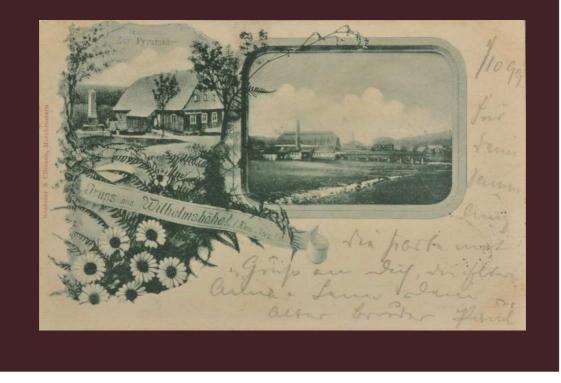
# Main glassworks of the territory

#### **Bohemia**:

Wilhelmshöhe (Klein Iser): 1828 – 1886 and 1866 – 1911 Zenknerhütte (Zenkner Glassworks) in Antoniwald: 1690 – 1909 Christiansthal: 1775 – 1887 Polaun: 1756 – today Neuwelt (count Harrach's Glassworks): 1712 – today

#### Silesia :

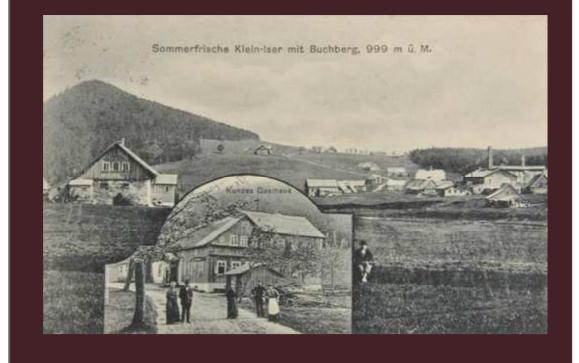
Hoffnungsthal: 1795 – 1868 Carlsthal: 1754 – 1891 Josephinenhütte (in Schreiberhau): 1842 – today Petersdorf: 1889 - today



Late 19th century postcard with Klein Iser glassworks



The glassworks were equipped with very long galleries used to pull glass canes and rods for bead making, which was a main business of the Bohemian glassworks in the 19th century.





Today's view of the glassworks owners house - the Riedels family.

#### Bohemian paperweights – Riedel's glassworks



More details on the Bohemian paperweights are presented in my article in the PCA Bulletin 2008: "Bohemian Millefiori Paperweights"

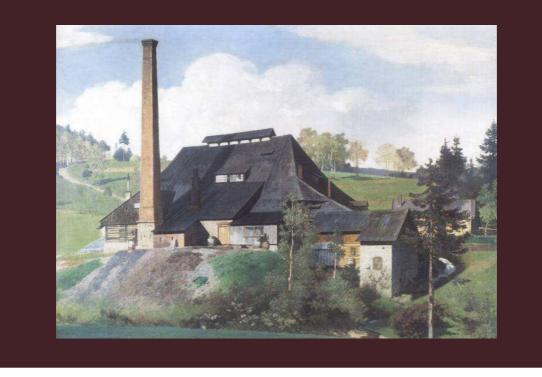
#### Bohemian paperweights – Riedel's glassworks



The Riedel's signatures.

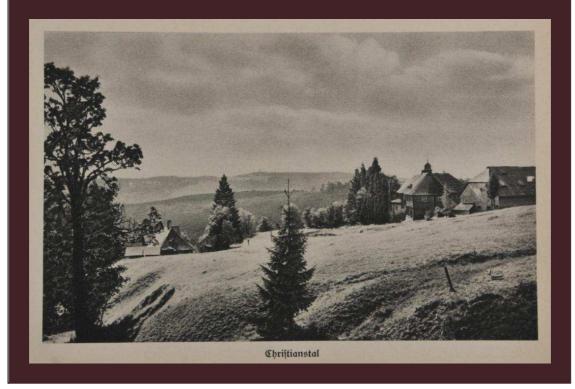
Late 19th century signature cane (top-left) and classic period mid-19th c. Bohemian millefiori paperweight with letter "R" formed of millefiori canes - most probably Riedel's signature.

# Zenknerhütte (Zenkner's Glassworks)



In this glassworks was found manuscript dated 1837 with millefiori glass recipes. Anyway, it's dated later than Dr. Fuss' publication with detailed descriptions of this technique.

# Riedel's Glassworks in Christiansthal



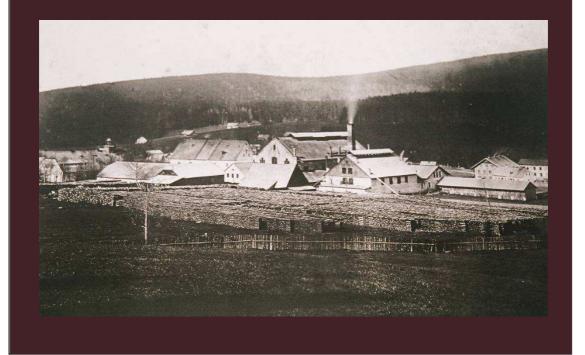
The glassworks used to be in the center of the photograph in the times of operating.

## Riedel's Glassworks in Christiansthal



Reconstruction of the glassworks (see two galleries for pulling canes for beadmaking) - can be seen in the small museum in Christianov, the Czech Republic.

# Harrach's Glassworks in Neuwelt - 1860



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#### Bohemian paperweights – Harrach's glassworks



More details on the Bohemian paperweights are presented in my article in the PCA Bulletin 2008: "Bohemian Millefiori Paperweights"

# Bohemian paperweights – Harrach's glassworks



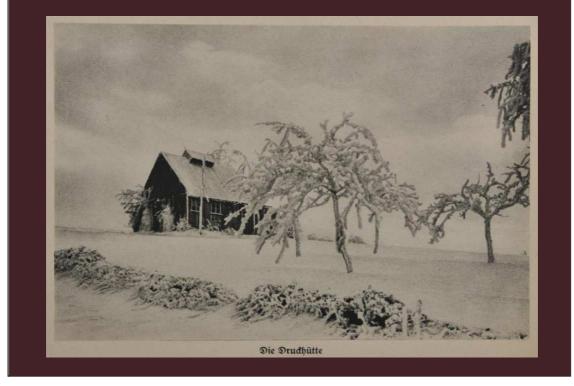
Collection and photograph: G. Mattes



Official Report from the Berlin 1844 Exhibition

Harrach glassworks produced glass with sulphides starting from 1822 (encouraged by G.Altmuetter)

#### Bohemian glassmaking workshop



Large part of Bohemian glassmaking was executed in such a small family-run workshops, where colored glass beads and buttons were made.

## Bohemian glassmaking workshop



One of a few Bohemian glassmaking workshops survived till today.

# Main glassworks of the territory

#### Bohemia

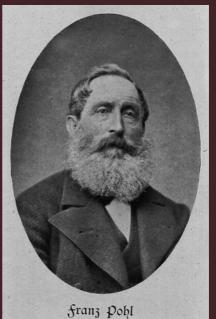
Wilhelmshöhe (Klein Iser): 1828 – 1886 and 1866 – 1911 Zenknerhütte (Zenkner Glassworks) in Antoniwald: 1690 – 1909 Christiansthal: 1775 – 1887 Polaun: 1756 – today Neuwelt (count Harrach's Glassworks): 1712 – today

#### Silesia :

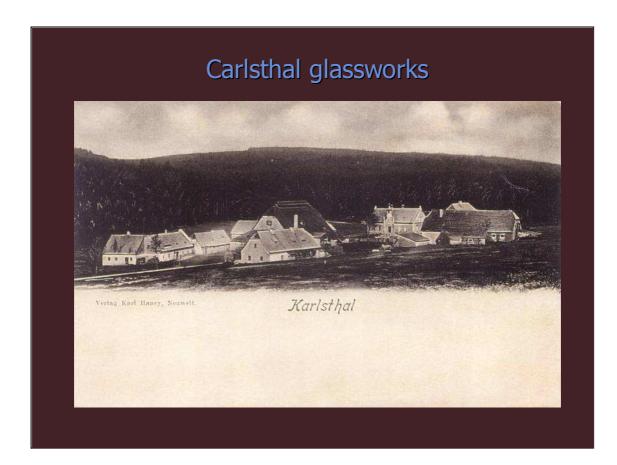
Hoffnungsthal: 1795 – 1868 Carlsthal: 1754 – 1891 Josephinenhütte (in Schreiberhau): 1842 – today Petersdorf: 1889 - today

#### Franz Pohl 1813-1884

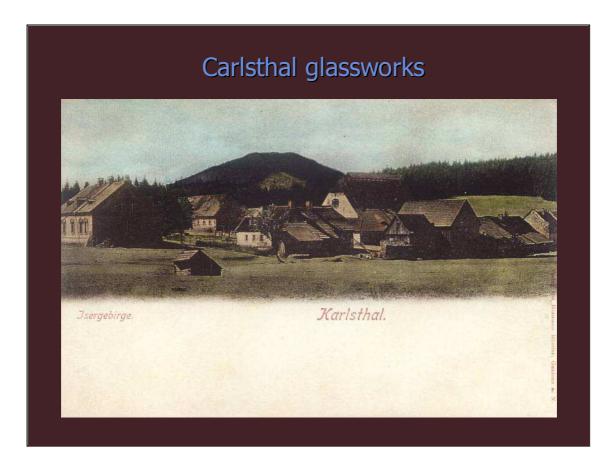
Worked in Carlsthal glassworks from 1837, in 1840 received it from his father-in-law Christian Benjamin Preussler. 1841-1884 manager of the Josephinenhütte



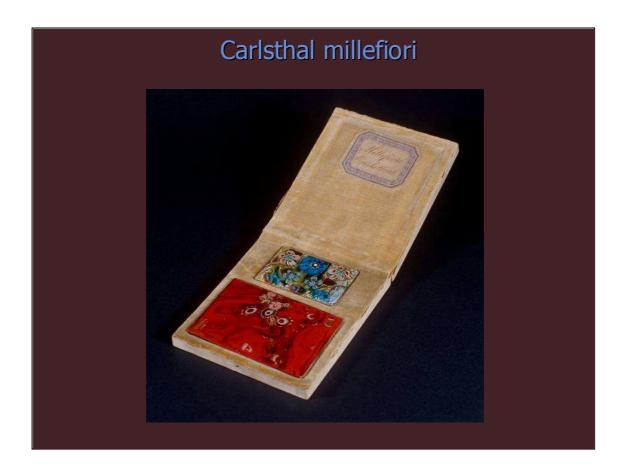
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Late 19th century postcard with Carlsthal glassworks.



Late 19th century postcard with Carlsthal glassworks.



Sample box of millefiori plaques from Carlsthal and 16th c. Florence (Venice?).





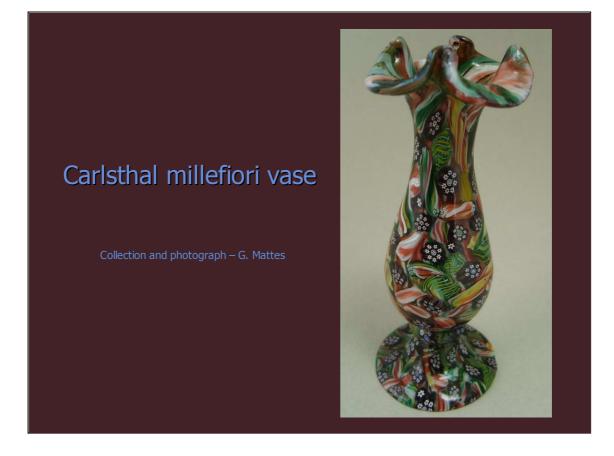
Findings from the Carlsthal glassworks area – today's Orle.











The same canes and filigrees we find in this vase – early product of the Carlsthal glassworks.





# Carlsthal glass

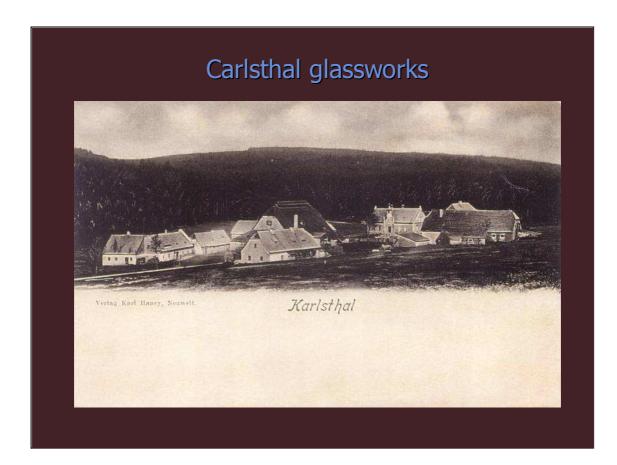




Never before published findings from the Carlsthal glassworks area. This unfinished glass piece proves, that Carlsthal glassworks were equipped with grinding house.



Today in the reconditioned grinding house we offer bead-and-breakfast as well as there will be open enlarged glass and paperweights museum.



The building is first from the left on the old postcard.



Today's Carlsthal – Orle is well known as a sport and tourist center in Silesian Iser Mountains.

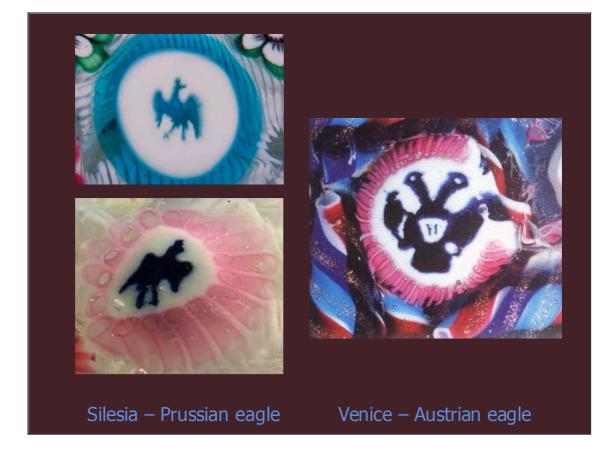
### Silesian paperweights

© Marek Kordasiewicz 2009.

#### Silesian paperweights : two independent groups, in both appear Prussian coat of arms – Prussian eagle \*



\*) PCA Bulletin 2005: "Silesian Millefiori Paperweights" <u>www.paperweights.pl</u> – The Publishing Forum



We should expect to find Austrian eagle in the Bohemian paperweight, as it appeared in Venetian paperweight from mid-19th c.



Very rare we find more Prussian eagles in one paperweight – like in this concentric mushroom overlay type II paperweight.

#### Type I millefiori



#### Type I millefiori



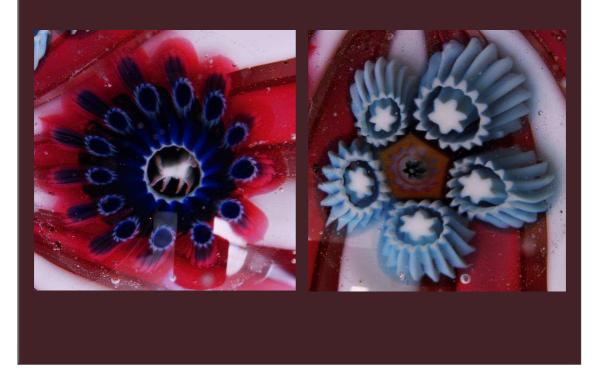
#### Type II millefiori







#### Type I millefiori



#### Type I Silesian crown paperweight



Contrary to my previous observation, Silesian crown weights sometimes appear hollow - with air bubble blown inside, but usually they are based on a solid core of clear glass.

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#### Type I Silesian paperweight w/ torsade

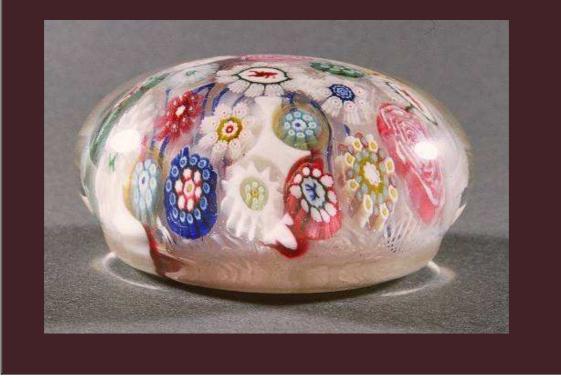




#### Type I Silesian paperweights with tazzas

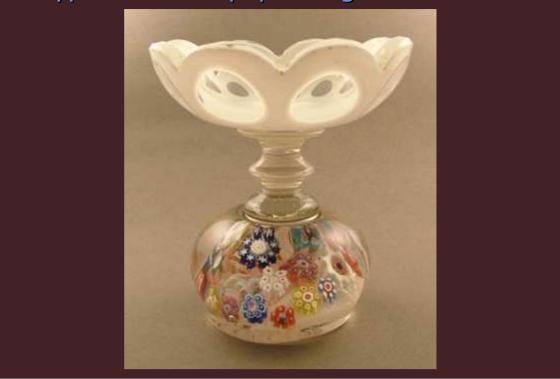


Probably salt-cellars

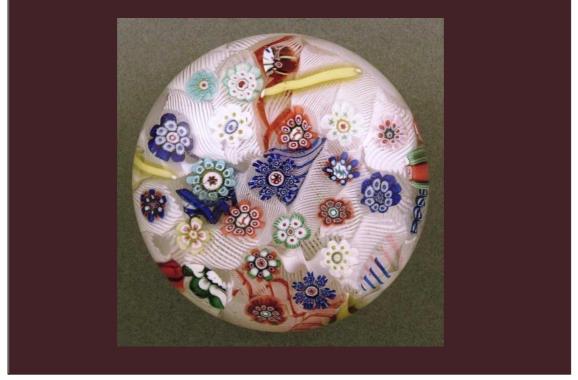


Sometimes, when dish was broken, it's foot after repolishing remained standard paperweight. Only by comparing it's profile we can assume it was originally a salt-cellar or tazza on paperweight foot.

#### Type I Silesian paperweight with tazza



Never before published salt-cellar on paperweight foot.

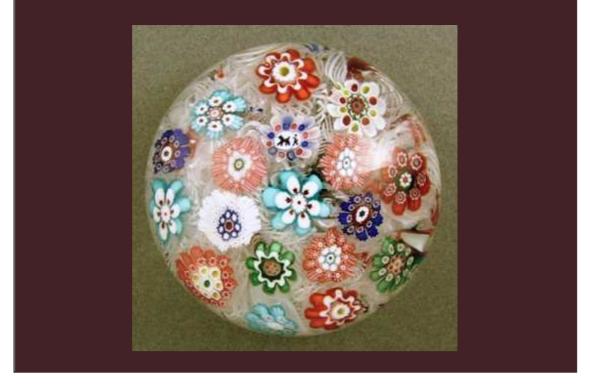




After closer examination we find in this ordinary Silesian paperweight a new feature – stave basket consisted of filigree staves !



Bottom view of the stave basket Silesian paperweight.







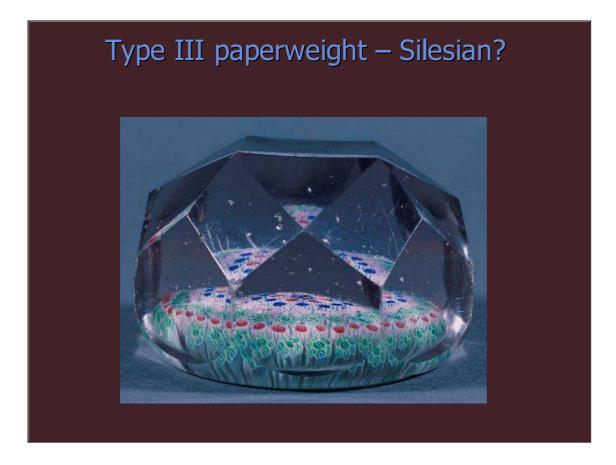


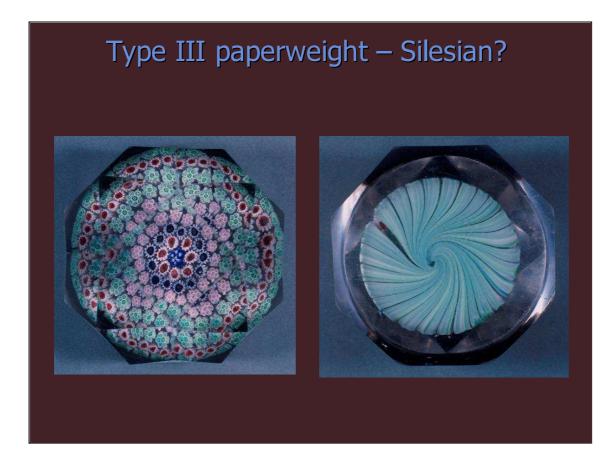






Comparing close-up of the cane from Silesian type II paperweight from previous slide with this new, never before published finding from the Carlsthal glassworks area we can notice, that these are identical canes – which proves that type II Silesian paperweights were most probably produced in Carlsthal glassworks.





#### Type III paperweight – Silesian?



#### Type III paperweight – Silesian?



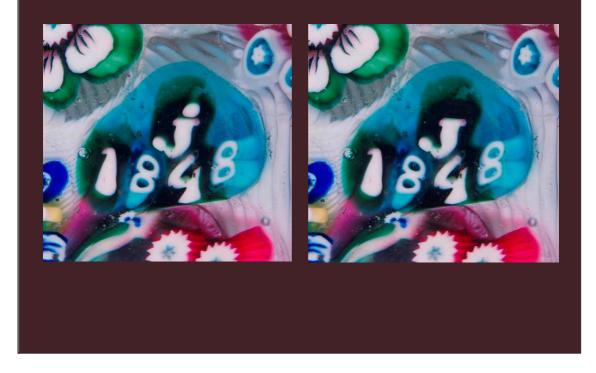
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The date cane "1857" from type III Silesian/Bohemian (?) paperweight.



A lot of speculations were done till today about the meaning and origin of this signature cane.

# Silesian signature cane – J?



In the article published on The Publishing Forum on the www.paperweights.pl I suggested, that letter "j" in this cane is in fact a capital letter "J" with added dot to clearly point it's really "J". For comparison the "J" in the signature cane after removing it's dot looked like a sock, or other distorted letter or sign.

This supposition is confirmed by following slides.



This is latest finding – till today unknown graphics picture of the Josephine's Glassworks from the day the glassworks got the name of the count Schaffgotsch's wife.

Dated probably just before or on 6th July 1842, when glassworks begun to operate.





The German inscription on the bottom shows, that in that times it was not strange to put a dot on the top of the capital letter "I". As in original Latin alphabet letter "J" is not present, (appeared much later, but in some languages was not popular till 19th c.), the name is written as " IOSEPHINEN " (Jospehine's) instead later used " JOSEPHINEN ".

This proves, that mystery "J1848" cane contains a capital letter "J" with dot added on top and is a signature of the Josephine's glassworks in Schreiberhau.



This proves finally, that type I Silesian paperweights are products of the Josephinenhütte – Josephine's Glassworks

Why 1848? - it was very exciting year for citizens of Silesia!

Died Christian Benjamin Preussler – Pohl's father-in-law Revolution year First railway line opened in Silesia Craft exhibition in Breslau

#### Josephinenhütte – Josephine's Glassworks

- established by Franz Pohl in Schreiberhau
- name given in honour of count Schaffgotsch's wife
- production started on 6th July 1842
- specialized in luxury glass and Venetian techniques
- famous for millefiori, filigree and net glass
- prized with gold medal for filigree glass on the German Craft Exhibition - Berlin 1844
- prized on the World Exhibition in London 1851



Josephinenhütte bei einer festlichkeit am 6. Oktober 1846.

Gegründet den 7. Juli 1842.



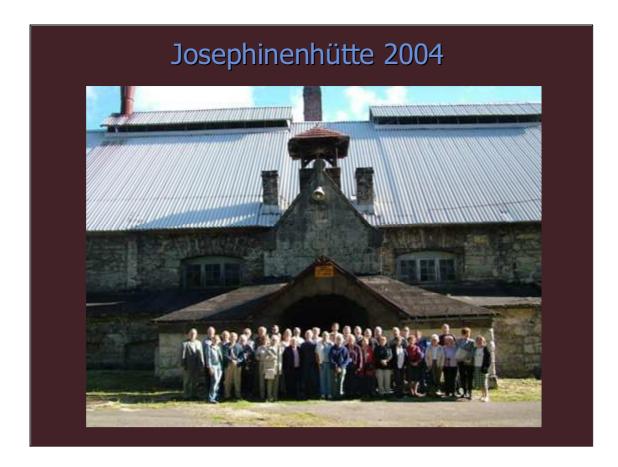




There were two main furnaces in the glassworks, so no breaks were necessary during furnace reconditioning.







Josephinenhütte visited in 2004 by the group of PCC and PCA members from the UK, USA, Germany, Austria and Switzerland.

## Josephinenhütte - glass



In the 19th century visitors might purchase commemorative glasses with enameled glassworks view.

## Josephinenhütte - filigree glass



Josephinenhütte was most famous for it's filigree and net glass.



Josephinenhütte was most famous for it's filigree and net glass. This is an example of never before published interlaced cobalt-blue and white net glass.

## Millefiori moulds discovered









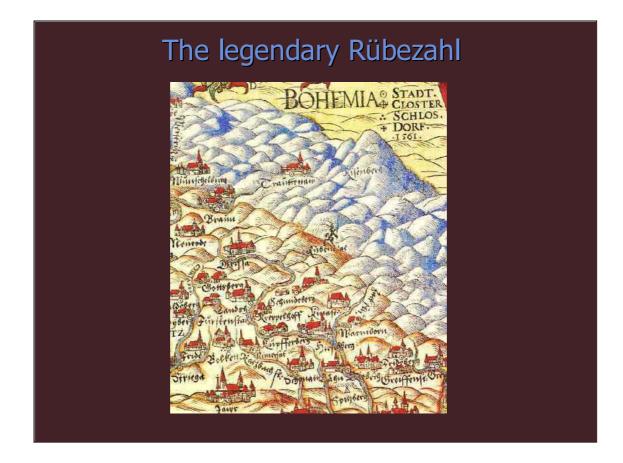


# The devil's silhouette

## Josephinenhütte – devil silhouette



This popular silhouette was usually known as a devil's (sometimes called monkey) silhouette.



On the Riesengebirge 1561 Helwig's map we find a first depicted silhouette of the legendary giant from the Giant's Mountains (Riesengebirge) - Rübezahl



On the Riesengebirge 1561 Helwig's map we find a first depicted silhouette of the legendary giant from the Giant's Mountains (Riesengebirge) - Rübezahl

## Josephinenhütte – devil silhouette



As Rübezahl usually was depicted with a stick, till today I considered not probable, that he was a creature depicted in Silesian millefiori canes.

## The legendary Rübezahl



As Rübezahl usually was depicted with a stick, till today I considered not probable, that he was a creature depicted in Silesian millefiori canes.

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Until closer examination of the old map from this slide ...



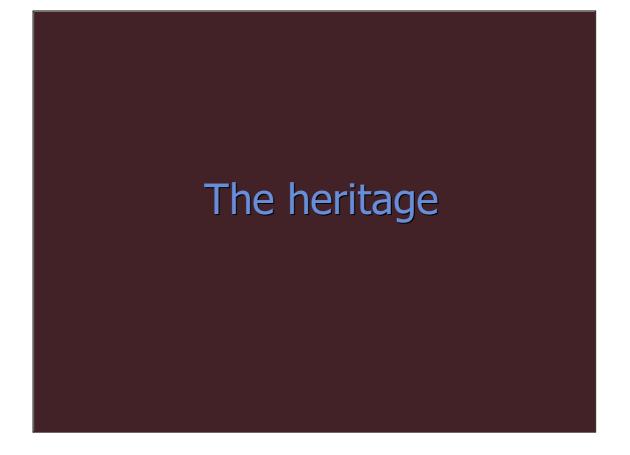
Here, in the part of Bohemian – Silesian border, we find depicted the legendary giant - Rübezahl without stick, just identical with a creature on the Silesian millefiori canes.

Latin inscription on the map confirms it's a giant from the Giant's Mountains – Rübezahl.

#### The legendary Giant - Rübezahl



Owing to this finding we can be sure now, that so-called "devils silhouette" in fact shows a legendary Giant from Riesengebirge (Montes Gigantium) – Rübezahl, popular in both Carlsthal and Josephinenhütte paperweights.



I'm pleased to announce, that the paperweight art was again revived in the Silesian Giant's Mountains at the beginning of the 21st century.















Tomasz Gondek

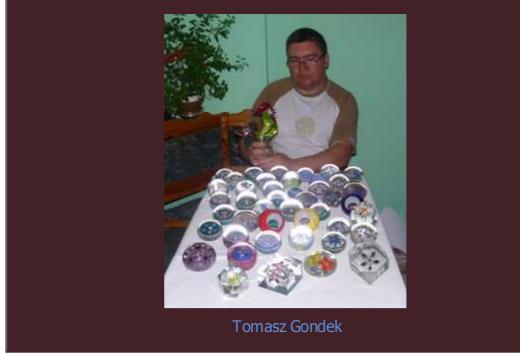
Tomasz Gondek – born 1967 in Cieplice (Warmbrunn)

- Silesia, Poland

Leaves and works in Szklarska Poręba (Schreiberhau) near Josephinenhutte.

The only in Poland artist working with millefiori glass.





Tomasz Gondek and his works.

More information about the Artist on the website : www.millefiori.pl

#### Thank You for attention!

