

Cambridge University Press

978-1-108-06731-7 - The International Exhibition of 1862: The Illustrated Catalogue of the Industrial Department:

Volume 4: Foreign Division

Anonymous

Excerpt

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SPECIAL PART.

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I. R. Austrian Central-Committee for the International Exhibition at London. 1862.

Vienna, City 666.

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Sub-Class b):

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Sub-Class a):

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8. Class:

Chevalier Adam BURG (see p. 3). Chairman of the Austrian Members of the Jury.

9. Class:

Edward EGAN, *Bernstein, near Güns, Hungary*.

10. Class:

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19. Class:

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20. Class:

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32. Class:

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Charles Cessner (as above).

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Ralph Eitelberger von Edelberg (as above p. 3).

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S. Popper (as above).

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F. Schmitt (see p. 5).

J. B. Streicher (see p. 3).

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(6, Onslow Crescent, Brompton, London, S. W.)

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Secretary: Aloysius Heurich, Secretary to the L. A. Trade Union.

Adjoints.

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For Decoration:

Commissioner: Frederick Stache, Architect.

Augustus Weber, Architect.

Assistant: Frederick Sets.

Lewis Neustätter, Painter (for Sect. IV).

For the Hungarian Articles.Jankò Vincent, Manufacturer and Secretary of the Hungarian Exhibition-Committee. *Pesth*.Szabó Joseph, Dr., Professor and member of the Hungarian Exhibition-Committee. *Pesth*.**Commercial-Agents:**

Peter Bender.

Pierco.

Ignatius Stelaberger.

Inspectors of Divisions:

Theodore Arneemann (for the Machine Room).

Grieselitsch (for the Ground-floor)

Werlicsek (for the Galleries).

Exhibitors' Productions are placed in the following forty Classes.

Section I.

<p>Class 1. Mining, Quarrying, Metallurgy and Mineral Products.</p> <p>Class 2. Chemical Substances and Products, and Pharmaceutical Processes.</p> <p><i>Sub-Class a) Exhibitors of Chemical Products.</i> " " <i>b) Exhibitors of Medical and Pharmaceutical Processes.</i></p> <p>Class 3. Substances, used for Food.</p>	<p><i>Sub-Class a) Exhibitors of Agricultural Produce.</i> " " <i>b) Exhibitors of Drysaltery, Grocery etc.</i> " " <i>c) Exhibitors of Wines, Spirits, Beer and other Drinks and Tobacco.</i></p> <p>Class 4. Animal and Vegetable Substances, used in Manufactures.</p> <p><i>Sub-Class a) Exhibitors of Oils, Fats, and Wax, and their Products.</i> " " <i>b) Exhibitors of other Animal Substances, used in Manufactures.</i> " " <i>c) Exhibitors of Vegetable Substances, used in Manufactures etc.</i> " " <i>d). Exhibitors of Perfumery.</i></p>
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Section II.

<p>Class 5. Railway Plant, including Locomotive Engines and Carriages.</p> <p>Class 6. Carriages not connected with Rail or Tram Roads.</p> <p>Class 7. Manufacturing Machines and Tools.</p> <p><i>Sub-Class a) Exhibitors of Machinery, employed in Spinning and Weaving.</i> " " <i>b) Exhibitors of Machines and Tools employed in the Manufacture of Wood, Metal etc.</i></p> <p>Class 8. Machinery in general.</p> <p>Class 9. Agricultural and Horticultural Machines and Implements.</p> <p>Class 10. Civil-Engineering, Architectural, and Building Contrivances.</p> <p><i>Sub-Class a) Exhibitors of Civil Engineering and Building Contrivances.</i> " " <i>b) Exhibitors of Sanitary Improvements and Constructions.</i> " " <i>c) Exhibitors of Objects, shown for Architectural Beauty.</i></p>	<p>Class 11. Military Engineering, Armour and Accoutrements, Ordnance and Small Arms.</p> <p><i>Sub-Class a) Exhibitors of Clothing and Accoutrements.</i> " " <i>b) Exhibitors of Tents and Camp Equipage.</i> " " <i>c) Exhibitors of Arms, Ordnance, etc.</i></p> <p>Class 12. Naval Architecture — Ships' Tackle.</p> <p><i>Sub-Class a) Exhibitors of Ship Building for purposes of War and Commerce.</i> " " <i>b) Exhibitors of Boat and Barge Building, and Vessels for amusement, etc.</i> " " <i>c) Exhibitors of Ships, Tackle, and Rigging.</i></p> <p>Class 13. Philosophical Instruments, and Processes depending upon their use.</p> <p>Class 14. Photographic Apparatus, and Photography.</p> <p>Class 15. Horological Instruments.</p> <p>Class 16. Musical Instruments.</p> <p>Class 17. Surgical Instruments and appliances.</p>
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Section III.

<p>Class 18. Cotton.</p> <p>Class 19. Flax and Hemp.</p>	<p>Class 20. Silk and Velvet.</p> <p>Class 21. Woollen and Worsted, including Mixed Fabrics generally.</p>
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EXHIBITORS' PRODUCTIONS, PLACED IN FORTY CLASSES.

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<p>Class 22. Carpets.</p> <p>Class 23. Woven, Spun, Felted, and Laid Fabrics, when shown as specimens of printing or dyeing.</p> <p>Class 24. Tapestry, Lace, and Embroidery. <i>Sub-Class a) Exhibitors of Skins and Furs.</i> <i>" " b) Exhibitors of Feathers.</i> <i>" " c) Exhibitors of Manufactures from Hair.</i></p> <p>Class 25. Skins, Fur, Feathers, and Hair.</p> <p>Class 26. Leather, including Saddlery and Harness. <i>Sub-Class a) Exhibitors of Leather.</i> <i>" " b) Exhibitors of Saddlery, Harness, etc.</i> <i>" " c) Exhibitors of Manufactures, generally made of Leather.</i></p> <p>Class 27. Articles of Clothing. <i>Sub-Class a) Exhibitors of Hats and Caps.</i> <i>" " b) Exhibitors of Bonnets and General Millinery.</i> <i>" " c) Exhibitors of Hosiery, Gloves and Clothing in general.</i> <i>" " d) Exhibitors of Boots and Shoes.</i></p> <p>Class 28. Paper, Stationery, Printing, and Bookbinding. <i>Sub-Class a) Exhibitors of Paper, Card, and Millboard.</i> <i>" " b) Exhibitors of Stationery.</i> <i>" " c) Exhibitors of Plate, Letterpress, and other modes of Printing.</i> <i>" " d) Exhibitors of Bookbinding.</i></p> <p>Class 29. Educational Works and Appliances. <i>Sub-Class a) Publishers.</i> <i>" " b) Apparatus Makers.</i></p>	<p><i>Sub-Class c) Toy and Games Manufacturers.</i> <i>" " d) Exhibitors of Specimens and Illustrations of Natural History.</i></p> <p>Class 30. Furniture and Upholstery, including Paper Hangings and Papier Mâché. <i>Sub-Class a) Exhibitors of Furniture and Upholstery.</i> <i>" " b) Exhibitors of Paper Hangings and General Decoration.</i></p> <p>Class 31. Iron and General Hardware. <i>Sub-Class a) Exhibitors of Iron Manufactures.</i> <i>" " b) Exhibitors of Manufactures in Brass and Copper.</i> <i>" " c) Exhibitors of Manufactures in Tin, Lead, Zinc Pewter, and General Brazieri.</i></p> <p>Class 32. Steel, Cutlery, and Edge Tools. <i>Sub-Class a) Exhibitors of Steel Manufactures.</i> <i>" " b) Exhibitors of Cutlery and Edge Tools.</i></p> <p>Class 33. Works in Precious Metals, and their Imitations, and Jewellery.</p> <p>Class 34. Glass. <i>Sub-Class a) Exhibitors of Stained Glass, and Glass used in buildings and decorations.</i> <i>" " b) Exhibitors of Glass for household use and fancy purposes.</i></p> <p>Class 35. Pottery.</p> <p>Class 36. Manufactures not included in previous Classes. <i>Sub-Class a) Exhibitors of Dressing Cases and Toilette articles.</i> <i>" " b) Exhibitors of Trunks, and Travelling apparatus.</i></p>
Section IV.	
<p>Class 37. Architecture. Architectural Models and Designs.</p> <p>Class 38. Paintings in Oil and Water Colours, and Drawings. Art Desings and Manufactures.</p>	<p>Class 39. Sculpture by various processes, Models, Die Sinking, and Intaglios. Fine Art in Repoussée, Chasing etc.</p> <p>Class 40. Etchings and Engravings.</p>



SECTION I.

Class I.

Mining, Quarrying, Metallurgy and Mineral Products.

Stones and Earths. The inland consumption of building and working Stones is completely provided for by numerous Quarries of Limestone, Marble, Sandstone, Granite, Gneiss and other Rocks, spread over the whole surface of the Austrian Empire. Gypsum, hydraulic Lime, refractory Clay, Sulphate of Baryta, Kaolin, coloured Earths and other raw mineral products for Industry are likewise occurring in more or less abundant deposits within the boundaries of this Empire. In general, the commerce of both these materials between Austria and foreign parts is comparatively of little importance; in 1859, its value did not exceed 201,600 florins Austrian money for imported, and 360,000 florins for exported articles. Raw Alabaster and Marbles, Emerly, „Meerschäum“ and Millstones were the chief objects of import.

Graphite. Graphite holds the first place among the objects of export, its productions having more than doubled since 1851 and amounted to nearly 200,000 Cwts in 1860. Considerable quantities of whetstones are likewise exported from Galicia to Russia. Among precious Stones, the Garnets of Bohemia and the noble or iridescent Opals of Hungary are objects of export.

The breaking and working of Stones and mineral products (Mining in the strict sense of the term excepted) gives occupation to a total of 25,000 persons and these productions represent yearly a value of 38 Millions. In this total, the value of the produced raw materials is represented by 23 Millions and the value of worked products by 10 Millions.

Peat. Nearly one Million Cwts of Peat are yearly produced in the Austrian Empire, which are almost entirely consumed for domestic use, except a small portion, used as fuel in Carinthia, Styria and Salzburg for the refining of Iron, or in Bohemia for the high-furnaces. In general, the consumption of this sort of fuel has hitherto remained far behind the rich layers accumulated in the extensive peat-bogs of Carinthia, Bohemia and Styria etc.

Mineral Coal. Since the year 1831, the mining of the rich layers of Black and Brown-Coal in the Austrian Empire and the consumption of this fuel for industrial purposes has increased in enormous proportions. The quantities dug up are as under: in 1831 . . . 4,000,000 Cwts.

„ 1851 . . . 24,000,000 „
„ 1860 . . . 72,000,000 „

The most extensive working of mines has taken place in the Coal-fields of Bohemia where the products amounted in 1860 to: Black Coal 18,000,000 Cwt, Brown 14,000,000 Ctw.

The increase of the commercial movement in Coal is represented by the following numbers in Cwt.

Import: 1851 . . . 1,516,700 1,064,100
Export: 1860 . . . 4,687,000 5,576,000

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Salt. The production of Salt is a monopoly of the Imp. Government of Austria. The Alpine Provinces produce, nearly exclusively, Culinary Salt; the Carpathian Salt-works furnish chiefly Rock-Salt, and Sea-Salt is produced in establishments along the coast of the Adriatic. The whole amount of Salt produced by these three methods, is shown in the following numbers:

in 1841 6,470,000 Cwts.
„ 1851 6,731,100 „
„ 1859 7,754,000 „

Beside these quantities, an average amount of 300,000 Cwts of Sicilian Sea-salt is imported yearly for Italian consumption, on the other hand, rock and culinary salt is sold to neighbouring Governments at prices fixed by special agreement.

The amount of Salt thus exported nearly reaches 1,000,000 Cwts.

Iron. In quantity as in value, Iron holds by far the first place amongst all Metals, produced by the mining and metallurgical Establishments of the Austrian Empire. In 1860, nearly 20,000,000 Cwts of Carbonate of Iron, Sphaerosiderites, brown Hydrate, red oxyd and magnetic oxydule of Iron have been dug up to be worked in 279 smelting furnaces, fed, for the most part, with charcoal. In 1860, these furnaces gave 6,200,000 Cwts of smelted Iron, among which were 700,000 Cwts of cast articles.

This production not being sufficient for fully providing the Austrian Refining-establishments with raw materials, an amount of

smelted Iron 182.300 Cwts.
and raw cast articles . . 21.800 „

were imported in the course of 1860.

Leaving aside the consumption of smelted Pig Iron for railroads and machinery (which will be spoken of in another place), the Austrian establishments for refining Iron have produced, in 1860, an amount of 2,000,000 Cwts of all sorts of hammered or rolled Iron including:

Puddled Iron 832.000 Cwts.

Square Iron („Winkel-Eisen“) and plates

for ships and other purposes 200.000 „

Plate Iron 240.000 „

Steel. The Steel-works of the Austrian Empire produced in 1860

Raw Steel (for sale) 110.000 Cwts.

Hammered Steel and refined Steel 112.000 „

Cemented Steel 18.000 „

Cast Steel 20.000 „

The quantities of refined Iron and Steel produced in the Austrian Empire exceeding by far the demands of home Industry, they take a conspicuous place among the articles of export, as shown by the following numbers, relating to the year 1860:

	Import	Export	Value
Refined Iron, Steel 29.500 Cwts.		—	400.000 flor.
Plate Iron			
and wire	—	211.500 Cwt.	3,440.000 "
Metals. The amount of other Metals and metallic Ores, produced in 1860, stands, as follows:			
Antimony (metallic and Ores)	8.767	Cwts	
Cadmia	131.048	"	
Chrome-ores	18.974	"	
Copper	52.665	"	
Gold	82	"	
Lead	140.020	"	
Litharge	25.342	"	
Mercury	4.697	"	
Nickel (reguline)	35	"	
Nickel, unrefined („Nickelspeise“)	67	"	
Nickel and Cobalt-Ores	5.711	"	
Silver	6.797	"	
Tin	1.905	"	
Wolfram (Tungsten) Ores	112	"	
Zinc	26.028	"	

With the exception of Mercury and Lead, being, in their unrefined metallic state, notable articles of export, considerable quantities of the above-named raw Metals, and especially Gold, Silver, Copper, Tin and Zinc, are imported in large quantities, partly to supply the wants of the Mint offices, partly to provide inland Industry with raw materials.

The import and export movement during the year 1861 is represented by the following numbers in Cwts.:

	Import	Export
Gold in bars	11.68	0.29
Silver „ „	2.812.861	2.94
Mercury	—	2.515
Lead-unrefined	1.433	2.461
Litharge	266	3.603
Tin, unrefined	9.086	382
Zinc	18.539	4.061
Copper	26.504	5.996
Nickel	62	12

The total number of workmen, employed in Mining establishments, has been proved to amount to 100,000. Fifty-thousand other workmen find employment in Smelting and Refining-establishments.

1. BAADER'S Son, Commerce of Minerals. *Vienna, Wieden 797.* Minerals, Rocks and Organic remains from the Austrian Empire.

Specimens of Collections for Students.

The Exhibitor keeps for selection a most extensive store of Minerals, Rocks and Organic remains, especially from the Austrian Empire and sells them in detail, and in whole collections, in any size and at most moderate prices. Specially to be commended for School establishments and Students, to whom are sold every year some hundreds of collections, such as are exhibited here.

2. BOCHDANOVICS Alexander, Possessor of Mining and Metallurgical establishments. *Zimbró, Comitate of Arad, Hungary.*

• Specimens of Mining productions.

3. BRUNICKI Maurice, Baron. Village of *Pisarzowa, Circle of New-Sandec, Galicia.*

Petroleum.

(See Class 2.)

4. BRUNN-TAUBITZ MINING-COMPANY. *Brunn am Wald, next to Gfoehl, Lower Austria.* Agent at Vienna: John Preindelsberger and Son, City 1138.

Graphite.

5. CURTI, Dr. Alexander. Manufacturer of Portland-Cement. *Muthmannsdorf next to Wiener Neustadt, Lower Austria.*

Portland-Cement under varied forms, as: a lion's head, a paper-presser in form of a dog, bricks (with and without admixture of Sand).

This manufactory is calculated for an annual production of 40,000—60,000 Cwt of Portland-cement of the same quality as the exhibited objects. The bricks (either of pure cement, or with an admixture of coarse Sand in the proportion of 1 to 3, 4, or 6), are attested by the stamp they bear, to have been cast (not „pressed“) in presence of a Commission of the Industrial Society of Lower Austria. Those exhibited are intended to be submitted to a trial of their absolute cohesion.

6. D'ELIA Joseph. *Alt-Orsova, Military Frontier.*

Specimens of Chromium-ore, No. 1—121.

These ores occur in the mountain-ranges near Alt-Orsova, either in veins or in irregular accumulations, varying in extent and in thickness from one to five feet. Some of them include more than 1,000 Cwt of these ores.

7. DOMOKOS, I. R. and Society Copper Mining-, Smelting- and Hammering-establishment. *Balánbány, Transylvania.*

Ores and Slags.

(See Class 31.)

8. DOPPLER John, Stone-cutter and owner of Marble quarries. *Salzburg.* (Medal II. Class 1855, Paris).

Specimens of polished Marble from the principal quarries in the Dukedom of Salzburg and Fancy-wares of Marble.

(See Class 10.)

In 1859, the exhibitor has laid open several new Marble-quarries at Admeth near Salzburg, from which two and three coloured (white, red and blue) Marbles are extracted. These varieties are particularly fit for objects bearing a sumptuous character and have already been used for fountain and stair-balusters in the new Exchange of Vienna, and for an altar in St. Sepulchre's Chapel at Jerusalem. The Exhibitor sells this Marble in rawly hewn pieces (up to 150 Cubic feet) for 4—7 Austrian florins per Cubic foot (loco Salzburg) and executes drawings of every sort in finished stone-cutter's work at most moderate prices.

9. EGGER S. Ware-house of Coins, Antiquities and objects of Natural History. *Pesth, Dorotheer-Gasse 11.* Depot at Vienna: City 1134. Agent at London: M. Davidsohn, 32, Wilson Street, Finsbury.

Minerals from Hungary and other countries: Euchroïte, Coelestine, Aragonite, Libethenite, Lettsomite etc. A Clasp for a Hungarian-Mantle („Mente“) in antique style, beset with genuine Pearls, Emeralds and Rubies. A Letter-presser in shape of a table, with Fruits composed of Oriental Pearls on a plate of Lapis lazuli.

(See Class 33.)

This ware-house possesses an extensive selection of the rarest Antiquities, of Greek, Roman, Celtic and Mediæval (especially Hungarian) Coins and Medals, of Armours, Instruments, Goblets of gold, silver and bronze Ornaments in antique and „Rococo“ style. The Natural-History division is constantly provided with a choice store of Minerals, Rocks and Petrifications, of Lepidoptera and Coleoptera, of marine, fresh-water and land Shells, of Plants and Algae, skins and eggs of Birds etc. Catalogues are delivered gratis.

10. EGGERT A. and Comp. *Mugrau, District of Krumau, Bohemia.*

Graphite.

11. EIBISWALD (I. R. Steel- and Ironwork-Administration). *Eibiswald, Stiria.*

Cast-Puddling and Cemented Steel; Iron.