

A BIBLIOGRAPHY OF GLASS AND ROCK CRYSTAL IN ISLAM(*)

BY

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Arrangement:

I. GENERAL.

II. HEDWIG GLASSES.

III. ROCK CRYSTAL.

I. GENERAL

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(*) This Bibliography forms part of a *Bibliography of the Architecture, Arts and Crafts of Islam*, begun many years ago, which at the present moment runs to about 8,900 items, under **AUTHORS**, and about 11,000 under **SUBJECTS**. I have seen and examined every item catalogued.

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See pp. 17-22: six examples illustrated.

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See plates 63-66 and 68: 5 mosque lamps, 3 long-necked flasks, 1 jug and 1 flat-bottomed bowl with the name of Sultan al-Muayyad.

————— Collection de M. Octave Homberg. *Les Arts*, No. 36, pp. 35-48. 1904.

"Verres arabes de Syrie et d'Égypte—XIV^e et XV^e siècles", illustrations on p. 45. Six examples shown.

————— Manuel d'Art musulman. II. Les arts plastiques et industriels. 8vo. Picard, Paris, 1907.

Les verres émaillés: Origine—Verres syriens—Verres faits pour les sultans rassoulides du Yémen—Verres mésopotamiens—Gobelets—L'Industrie du verre en Espagne—En Perse, XVII^e—XVIII^e siècle—Les vitraux en Égypte (kamariyas). See pp. 241-370, with 27 illustrations.

————— Les Accroissements des Musées. (Musée du Louvre). *Les Arts*, No. 97, pp. 10-18, with illustrations. 1910.

Two fine glass goblets, the gift of Mme. O. Homberg, are illustrated on p. 10.

————— Musée du Louvre. *L'Orient Musulman*. 8vo., 2 vols. Morancé, Paris, 1922.

See II, pp. 9-12 and pl. 3-8.

————— Les Arts musulmans. Large sq. 8vo. Van Oest, Paris and Bruxelles, 1926.

See pp. 35-6 and pl. LIII-LIV.

Mohamed Mostafa. Verres émaillés. *La Femme Nouvelle* [sic], No. 2, 1 page (unnumbered), with 7 illus. (4 coloured). Le Caire, 1947.

Montandon, Marcel. L'Art musulman à l'Exposition de Munich 1910. *L'Art décoratif*, XXV, pp. 61-108. 1911.

One fine example illustrated.

Munthe, Gustaf. *Islams Konst*. 8vo.

Bonnier, Stockholm, 1929.

See pp. 240-47, with 6 illustrations.

Nesbitt, Alexander. *Catalogue of the Collection of Glass formed by Felix Slade. With Notes on the History of Glass Making, by Alexander Nesbitt, and an Appendix containing a description of other works of art presented or bequeathed by Mr. Slade to the Nation* [by A. W. Franks]. Folio, pp. [viii], 1, and 184, with 40 plates (22 coloured) and many illustrations.

Printed for Private Distribution [London], 1871.

See pp. 60-65, with 4 coloured plates and 3 figures.

A Descriptive Catalogue of the Glass Vessels in the South Kensington Museum. With an introductory notice. 8vo., pp. viii, clx and 218, with 21 plates (9 coloured). Chapman and Hall, London, 1878.

Science and Art Department of the Committee of Council on Education, South Kensington Museum.

See pp. lxi-lxx and Plate VIII (XIVth century mosque lamp).

Glass. Large 8vo., pp. ix and 143, with 9 coloured plates, (in Large Paper copies only), and 26 woodcuts. Chapman and Hall, London, [1879].

One of the *South Kensington Museum Art Handbooks*.

Fifty copies were printed on Large Paper.

Chap. IV.—"Glass in Byzantium and in countries of the East". pp. 42-62, with 1 coloured plate (XIVth century mosque lamp) and 2 illustrations.

Condensed from the previous work.

Olmer, L. J. *Rapport sur une mission scientifique en Perse. Nouvelles Archives des Missions Scientifiques*, XVI, fasc. 1. Paris, 1908.

Verrerie, pp. 61-4, with 1 figure.

[Paul], F. V. *Oriental Glass. Museum of Fine Arts [Boston] Bulletin*, VIII, pp. 50-51, with 1 illustration. 1910.

The illustration shows a bottle with a feline rampant, perhaps the panther of Baybars I.

[Paul], F. V. Gifts from the Western Art Visiting Committee. *Museum of Fine Arts [Boston] Bulletin*, X, pp. 27-9, with 3 illustrations 1912.

Includes an enamelled glass globe, formerly in the Marquand Collection, with the blazon of a *Gāshanktr*, or Taster.

Pier, Garrett Chaffield. Saracenic Glass. *Orientalischs Archiv*, I, pp. 189-90, with 8 illustrations on 2 plates. 1911.

Pope, Arthur Upham. An introduction to Persian Art. 8vo. Davies, London, 1930.

See pp. 141-6 and Figs. 98-100.

_____ Persian Glass. *Apollo*, XII, pp. 391-5, with 2 coloured plates and 3 illus. 1930.

_____ More about Persian Glass. *Apollo*, XIII, pp. 10-12, with 5 illustrations. 1931.

Prisse d'Avènnès. L'Art arabe d'après les monuments du Kaire. Text, 4to., plates, folio. Morel, Paris, 1877.

Plates CXLIII and CXLVI (both coloured); mosque lamp and flask of enamelled glass. See pp. 208-11.

Prisse d'Avènnès fils, E. La verrerie arabe. *Cosmos: Revue des Sciences*, LVII, nouvelle série, pp. 103-6, with 2 illustrations. Paris, 1907.

Ravaissé, P. Une lampe sépulcrale en verre émaillé au nom d'Arghūn en-Nasiri, Emir mamlouk (1280-1331). De la collection J. Chappée. Avec un frontispice en couleurs et 15 planches hors texte. Large 8vo., pp. 73. Geuthner, Paris, 1931.

See Mayer's art. in the *Journ. Pal. Or Soc.*, XIII, and Wiet's art. in *Syria*, XIV.

Read, Charles Hercules. On a Saracenic Goblet of Enamelled Glass of medieval date [in the British Museum]. *Archæologia*, LVIII, pp. 217-26, with 1 coloured plate and 7 illustrations. 1902.

Read, Charles Hercules. The Waddesdon Bequest. Catalogue of the Works of Art bequeathed to the British Museum by Baron Ferdinand Rothschild, 1898. Sm. 4to., pp. xvi and 129, with 55 plates and 42 figures. British Museum, London, 1902.

See pp. 25-6 and Plate XIV for fine enamelled glass goblet of the XIIIth-XIVth century.

Riefstahl, R. Meyer. The Parish-Watson Collection of Mohammadan Potteries, 4to. Weyhe, New York, 1922.

See pp. 247-51, coloured plate facing p. 248 and 2 figures, for enamelled glass flagon.

Röder, Kurt. Das Minā im Bericht über die Schätze der Fatimiden. *Zeitschrift der Deutschen Morgenländischen Gesellschaft*, LXXXIX, pp. 363-71. 1935.

Rouveyre, Édouard. Analyse et compréhension des Œuvres et Objets d'Art. 8vo. Rey, Paris, 1926.

Les enveloppes de lampes en verre émaillé destinées au service des mosquées, pp. 19-25; Contrefaçon des verreries musulmanes, pp. 25-7.

Sarre, F. Ein syrischer Glasbecher in Grünen Gewölbe zu Dresden. *Mitteilungen aus den Sächsischen Kunstsammlungen*, I, pp. 18-20, with 1 coloured plate. 1910.

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Sarre, Friedrich. Vergoldete und emaillierte syrische Gläser, leihgaben in der islamischen Kunstabteilung. *Ämliche Berichte aus den Königlichen Kunstsammlungen*, XXXII, cols. 138-41, with 1 illustration (8 examples). 1911.

Die Kleinfunde von Samarra und ihre Ergebnisse für das Kunstgewerbe des 9. Jahrhunderts. *Der Islam*, V, pp. 180-95. 1914.

See pp. 192-94 (no illustrations).

Sarre, Friedrich, and Ernst Herzfeld. Archäologische Reise im Euphrat- und Tigris-Gebiet. In drei Bänden. Folio.

Rehner, Berlin, 1911.

See III, Taf. CXIX, for pieces of a very beautiful glass, enamelled in gold and colours.

Schier, Karl H. Die arabischen Inschriften in der Königl. Gemälde-Galerie, dem Grünen Gewölbe und dem Altertums-Museum zu Dresden, erklärt. 8vo. Teubner, Leipzig, 1867.

Inscriptions on glasses in the Green Vault with translations etc., pp. 29-38, with 2 figures.

Schmoranz, Gustav. Old Oriental Gilt and Enamelled Glass Vessels, extant in Public Museums and Private Collections, reproduced in their original colouring and described. Published with the sanction and assistance of the Imperial Austrian Ministry of Education by the Imperial Handels-Museum of Vienna. English Version. 32 plates in colours, 12 in photography and 69 illustrations in the text. Royal folio, pp. [i] and 75. Vienna, and (Quaritch,) London, 1899.

Preface—Lamps—Bottles and vessels with handles—Goblets and tumblers—Plates and basins—The technique of old Oriental enamelled glass—Chemical analysis (by F. Linke)—Description of the plates—Chronological review of dateable old-oriental gilt and enamelled glass-vessels—Statistical table.

Schroeder, Eric. The Lamp of Karim al-Din: an Arab enamelled glass of the early fourteenth century. *Bulletin of the [Boston] Museum of Fine Arts*, XXXVI, pp. 2-5, with 4 illustrations. 1938.

Probably made between 1309 and 1320.

Sobernheim, M. Arabische Gefäßinschriften von der Ausstellung islamischer Kunst in Paris (1903). *Zeitschr. d. Deutschen Palaestina-Vereins*, XXVIII, pp. 176-205.

1905.

Glass mosque-lamp of Toquztimūr, pp. 190-91, and plate VIII, d and e.

Sommerard, E. du. Musée des Thermes et de l'Hotel de Cluny. Catalogue et description des objets d'art de l'antiquité, du moyen âge et de la renaissance exposé au Musée. Svo. pp. xxxiii and 691. Hotel de Cluny, Paris, 1883.

Verrerie arabe, pp. 376-7.

Stein. Collection Ch. Stein. Catalogue des objets d'art de haute curiosité et d'ameublement composant l'importante collection de M. Ch. Stein et dont la vente aura lieu ... à Paris ... 1886. 4to., pp. xix, 4 and 103, with 33 plates and several illustrations. Paris, 1886.

Two examples, Nos. 99 and 100, with 1 plate.

Thiébault-Sisson. Verres antiques. La collection Durighello. *Revue des Arts décoratifs*, XXII, pp. 49-54, with 1 plate and 9 illustrations. 1902.

Three examples of Muhammadan glass, p. 51.

Wallis, Henry. Arab lamps. *The Athenaeum*, Sept. 24th, pp. 412-13. 1887.

An article on Yacoub Artin Pasha's paper in the *B.I.E.*, [q.v.].

Wiegand, Theodor. Baalbek. *Ergebnisse der Ausgrabungen und Untersuchungen in den Jahren 1898 bis 1905*. Dritte Band. 4to. de Gruyter & Co., Berlin and Leipzig, 1925.

See F. Sarre, *Die Kleinfunde—Gläser*, pp. 137-9 and Abb. 72-84.

Whishaw, Bernhard, and Ellen M. Whishaw. Hispano-Arabie Art at Medina Az-zahra. *Burlington Magazine*, XIX, pp. 270-78, with 2 plates and 2 figures. 1911.

Fragments of glass from Madinat az-Zahra, plate II, G and H.

Wiel, Gaston. Catalogue Général du Musée Arabe du Caire. Lampes et Bouteilles en verre émaillé. 4to., pp. vii and 193, with 92 plates.

Institut français d'Archéologie, Le Caire, 1929.

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Wiet, Gaston. Album du Musée Arabe du Caire. 8vo.

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See pp. 90-99 (flacons of enamelled glass) and 93-9 (mosque lamps of enamelled glass).

————— Lampes en verre émaillé. *Bulletin de l'Institut d'Égypte*, XIV, pp. 117-26, with 6 plates. 1931-2.

Includes a chronological list of 192 enamelled glass objects.

————— L'Exposition d'Art persan à Londres. *Syria*, XIII. 1932.

See p. 196 and pl. XXIV.

————— Les Lampes d'Arghūn. *Syria*, XIV, pp. 203-6 and pls. XXIII-XXIV. 1933.

To be read in connection with the articles of Ravaisse and Mayer [q.v.]

————— Les lampes en verre de la collection Gulbenkian. *Annales de l'Institut d'Études orientales, Université d'Alger*, III, pp. 19-26, with 3 plates. 1937.

The earliest was made for the mausoleum of Sayf ad-Dīn Bekūmūr, who died in 729H. (1329), the second for a man who died in 743H. (1347), the third for Sultān an-Nāṣir Muḥammad, who died in 741H. (1341), and the fourth, fifth and sixth, for Sultān al-Malik an-Nāṣir Ḥasan who died in 762H. (1361).

————— Musée National de l'Art arabe. Guide Sommaire. Sq. 8vo. 1939.

Ministère d'Instruction Publique, Le Caire, 1939.

See pp. 15-16 and 20, and relative text.

Wilson, H. Persian Art. *Architectural Review*, IX, pp. 176-82, with 13 illustrations. 1901.

Two flasks are illustrated.

Winlock, H.E. The History of Glass Exhibition. *Bulletin of the Metropolitan Museum of Art*, XXXI, pp. 192-7, with illustrations. 1936.

See p. 194 and figure 5, "Mosque lamp, Mamluk, early XIV century".

Zakī M. Ḥasan. *Al-Fann al-Islāmī fī Miṣr*. [Muslim Art in Egypt]. I. 4to.

Egyptian Library Press, Cairo, 1935.

See pp. 117-18 and pl. 37.

————— *Qunūz al-Fāṭimiyin*. [Treasures of the Fāṭimids]. Large 8vo.

Egyptian Library Press, Cairo, 1356 : 1937.

See pp. 176-86.

————— *Al-Funūn al-Īrānīya fī 'Aṣr al-Islāmī*. [Persian Arts in the Muslim Period]. 8vo.

Egyptian Library Press, Cairo, 1940.

See pp. 260-62 and pls. 152-4.

————— *al-Mishkāwāt al-Zugāgiya fī 'Aṣr al-Mamālīk*. [Glass Mosque-lamps from the Mamlūk Period]. *ath-Thaqāfa*, II, No. 65, pp. 31-5, with 5 illustrations 1940.

————— *Moslem Art in the Fouad I University Museum*. 8vo., 2 vols.

Fouad I University Press, Cairo, 1950.

See I, pls. 106-11.

————— *Lampes arabes. La Femme nouvelle*, décembre 1951, pp. 2, with 2 col. plates 1951.

Two fine enamelled mosque lamps from the Mosque of Sultan Ḥasan are illustrated. The author mentions the fact that a few wasters of enamelled glass have been found in the excavations of Fustāt and that this shows that such lamps were made in Cairo.

III.—THE SO-CALLED "HEDWIG GLASSES"

The glass of these little vessels, which vary in height from three to five inches, is generally of a yellowish-green or brownish

tint and contains many bubbles. The carving is deeply cut; they bear the mark of a large course wheel, generally applied in two directions more or less at right angles to one another, and little attempt has been made to round off the edges and angles. The decoration consists of figures of lions, griffins or eagles as well as a formal leaf-like patterns; see Dillon, *Glass*, p. 115. They recall Fāṭimid art.

Czihak, E. von. Die Hedwigsgläser. *Zeitschrift für christliche Kunst*, III, col. 329-54, with 1 plate and 5 illustrations. 1890.

Erdmann, Kurt. An unknown Hedwig glass. *Burlington Magazine*, XCI, pp. 244-8, with 5 illustrations. 1949.
In private possession.

Essenwein, A. Ein "Hedwigsbecher" im Germanischen Museum. *Anzeiger für Kunde der deutschen Vorzeit*, neue Folge, XXIV, col. 228-33, with 4 illustrations. 1877.

Friedrich, Carl. Glaskelche und Glaspatenen. *Die Wartburg*, VI, pp. 184-9. Munich, 1879.

See pp. 187-9.

Grünhagen, Prof. Zur Geschichte der Hedwigsgläser. *Schlesiens Vorzeit in Bild und Schrift*, II, pp. 92-3. Breslau, 1871.

On a letter, dated 1614, from the Archduke Karl, Bishop of Breslau, to the Prince of Brieg, referring to a Hedwig Glass.

Kalesse, E. Das Museum schlesischer Altertümer in Breslau. *Zeitschr. für bildende Kunst*, XVIII, pp. 287-95, with 6 illustrations. 1883.

St. Hedwig's glasses, illustration p. 293.

Sauerlandt, Max. Das "Hedwigsglas" auf der Feste Coburg. *Zeitschrift für christliche Kunst*, XXV, col. 311-16, with 3 illustrations. 1912.

Schmidt, Robert. Die Hedwigsgläser und die verwandten fatimidischen Glas- und Kristallschnittarbeiten. *Schlesiens Vorzeit in Bild und Schrift*, neue Folge, VI, pp. 53-78, with 1 plate and 29 illustrations. Breslau, 1912.

Includes illustrations of glasses of this type at Amsterdam, Aschburg, Berlin, Breslau, Coburg, Cologne, Cracow, Halberstadt, Minden, Neisse, Nuremberg, Venice, etc.

III.—ROCK CRYSTAL

Anon. "Starring" Museum Treasures: the first to be isolated. *Illustrated London News*, March 7th, 1931, p. 359, with 1 illus. 1931.

A rock crystal jug, similar to that in S. Mark's, Venice, acquired by the V. and A. Museum in 1862.

Arnold, Sir Thomas, in Sir E. Denison Ross, *The Art of Egypt through the Ages*, pp. 79-80 and plate 331.

The Studio, London, 1931.

Barbier de Montault, X. Un vase en cristal du trésor de S. Marc de Venise. *Revue de l'Art chrétien*, nouvelle série, tome VI, pp. 296-8, with 1 plate. 1888.

With Kufic inscription. The metal mounting is European.

Born, Wolfgang. Small objects of semiprecious Stone from the Mughal Period. *Ars Islamica*, VII, "Notes", pp. 101-4. 1940.

Camón Aznar, José. Las piezas de cristal de roca y arte Fāṭimī encontradas en España: Lote del Monasterio de Celanova. *Al-Andalus*, IV, pp. 396-405, lám. 2-6 and 16 figures. 1939.

From the Bishop's Palace at Orense and the Church of Ager.

Charleson, R. J. A group of Near Eastern Glasses. *Burlington Magazine*, LXXXI, pp. 212-18, with 2 plates and 5 figures. 1942.

Christie, A. H. Two Rock-crystal Carvings of the Fatimid Period. *Ars Islamica*, IX, "Notes", pp. 166-8, with 2 illustrations on 1 plate. 1942.

In the Treasury of San Marco at Venice.

Dimand, M. S. A Handbook of Mohammedan Decorative Arts. Sm. 8vo. New York, 1930.

See pp. 185-7 (by Joseph Breck) and figure 115.

————— A Handbook of Mohammedan Decorative Art. Second edition. New York, 1944.

See pp. 233-6 and figure 154.

Erdmann, Kurt. Islamische Bergkristallarbeiten. *Jahrb. der preussischen Kunstsammlungen*, LXI, pp. 125-46, with 26 illustrations. 1940.

New examples.

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Foelkersam, Baron A. de. Le cristal de roche et son application aux Arts. (In Russian). *Staruie Ghodui*, Dec. 1915, pp. 3-14, with 13 plates and 1 illustration. 1914.

See the examples in the Hermitage Museum illustrated on the 5th and 6th plates.

Irwin, John. Textiles and the Minor Arts, in Leigh Ashton, *The Art of India and Pakistan, a commemorative catalogue of the exhibition held at The Royal Academy of Arts, London, 1947-8*, pp. 199-237. Faber and Faber, London, [1950].

See p. 232 and Plate 75 for a XVIIIth century example.

Kahle, Paul. Die Schätze der Fatimiden. *Zeitschrift der Deutschen Morgenländischen Gesellschaft*, LXXXIX, pp. 329-62. 1935.

————— Bergkristall, Glass und Glasflüsse nach dem Steinbuch von el-Bērūnī. *Zeitschrift der Deutschen Morgenländischen Gesellschaft*, XC, pp. 322-56. 1936.

See pp. 325-43.

Kühnel, Ernst. *Islamische Kleinkunst*. 8vo.

Schmidt, Berlin, 1925.

See pp. 172-4 and Abb. 139-41.

Die Sammlung türkischer und islamischer
Kunst im Tschinli Köshk. Large 4to.

de Gruyter, Berlin & Leipzig, 1938.

See Taf 33, for lantern, with panes of rock crystal, from
the Laleli Mosque at Constantinople. Turkish, XVIIIth cent.

Lamm, Carl Johan. *Mittelalterliche Gläser und Steinschnitt-
arbeiten aus dem Nahen Osten*. Sm. 4to., 2 vols.

Reimer/Vohsen, Berlin, 1929-30.

See Abschnitt B. Steinschnittarbeiten, hauptsächlich aus
Bergkristall, pp. 177-240 and Taf. 64-88.

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Burlington Magazine, XLVIII, pp. 149-55, with 2 plates.

1926.

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2 vols., 8vo. Morancé, Paris, 1922.

See II, pp. 7-8 and pls. 1-2.

Pollak and Muñoz. *Pièces de choix de la Collection ...
Stroganoff à Rome*. Large 4to., 2 vols. . Rome, 1911-12.

See II, p. 213 and pl. CLII-CLIII for jug with handle,
decorated with two pairs of lions affronted on either side of
a tree.

Molinier, Émile. *Le Trésor de Saint-Marc à Venise. Gazette
des Beaux-Arts*, 2e période, tome XXXV, pp. 361-78; XXXVII,
pp. 376-96, with 7 illustrations; XXXVIII, pp. 458-68, with
4 illustrations; 3e période, tome I, pp. 42-50, with 3 illustra-
tions. 1887-89

"Aiguière en cristal de roche au nom du Khalife El-Aziz-
Billah (Xe siècle)" [with inscriptions and animals]; "Vase
arabe en cristal de roche, [in the Louvre]: "Aiguière
arabe en cristal de roche (monture vénitienne en argent
doré)"; with an illustration of each, tome XXXVII,
pp. 377-83.

Zakī Muḥammad Ḥasan. Qunūz al-Fāṭimīyīn. [Treasures
the Fāṭimids]. Large 8vo.

Egyptian Library Press, Cairo, 1356 : 193

See pp. 187-93.