

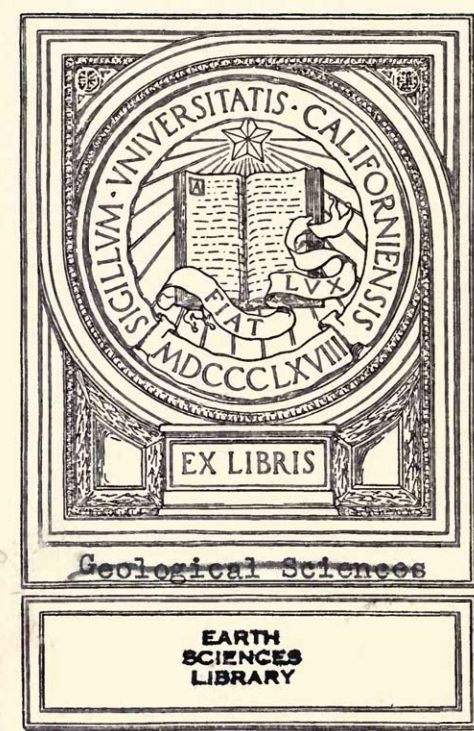
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THE
WARD=COONLEY
COLLECTION
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METEORITES.

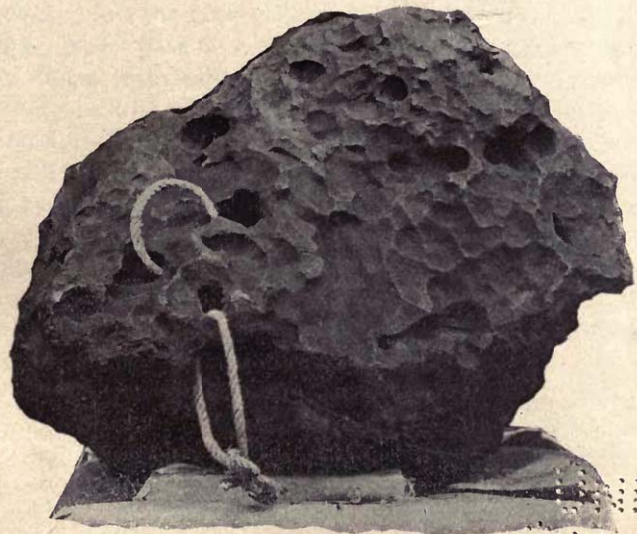


CHICAGO,
1900.





THE
WARD=COONLEY
COLLECTION
OF
METEORITES.



CAÑON DIABLO METEORITE.

UNIVERSITY OF
CALIFORNIA

CHICAGO,
1900.

Q2394
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Geol.
Dept.

Geological Sciences

UNIVERSITY OF
CALIFORNIA

PREFACE.

Meteorites, as Humboldt pointed out, are the only medium with which the inhabitants of the earth are brought into interplanetary and also into interstellar space. They have, therefore, a fascination for the ordinary man's mind which nothing terrestrial can have.

A survey of the heavens, with the naked eye or by the aid of a telescope, fills our minds with wonder and awe, mingled with intense curiosity as to what the brilliant celestial bodies may possibly mean. But when the meteoric globe sails across the sky and falls as a solid mass, our awe is none the less, but our curiosity is largely satisfied; the meteorite has told us one of the tales of other worlds than ours. The writer has for more than a half century felt the fascination of this subject. And for more than twenty years past he has given much time to collecting and studying these interesting cosmic bodies in every part of the world where he has travelled, and where they have been found. The collection enumerated on the following pages is the result of these activities. It represents 424 distinct "falls" and "finds," about four-fifths of all the meteorites known to science, and which are stored mainly in the great museums of the world, as well as in the cabinets of private amateur collectors. It contains specimens of the oldest falls—those of the fourteenth to eighteenth centuries—which were observed and collected at those early periods, as well as those which, at the commencement of the present century, first challenged and secured acceptance by European savants of their extra-terrestrial character. Among the former are Elbogen and Ensisheim; among the latter the Pallas Iron and l'Aigle.

The collection contains more than the usual quantity of notable specimens. Among those represented by particularly large and choice specimens are Ballinoo and Roebourne (Australia), Costilla Peak, Luis Lopez and Oscuro Mountains (New Mex.), St. Genevieve and Central (Missouri), Oakley and Brenham (Kansas), MacKinney (Texas), and Veramin (Persia). The four masses of Cañon Diablo (diamondiferous) weigh together a full ton. The rare, *curved* octahedral structure is well brought out in sections of the Toluca and Glorieta Irons; "Slickenside" surfaces, which occur prominently in some few *Ærolites*, show well in the Stalldalen, Manbhoom and Lixna specimens. The Puquios Iron (first brought by us from Chili), alone among meteorites shows a

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clear *faulting* in some of the Kamacite bands. In the Brenham (Haviland) section, one end of a slice represents a typical Siderite, while the other end shows (by a like considerable surface) a typical Siderolite. Large, prominent and abundant nodules of troilite are shown in the great sections of Toluca, Cañon Diablo and Bella Roca; large plates of Schreibersite in La Primitiva and Tombigbee River. The carbonaceous meteorites are represented by all which are known—Cold Bokkeveldt, Alais, Orgueil, Nagaya and Mighei. The 'metallic veins, found penetrating some few *Ærolites*, are well shown in the Schönenberg and Farmington masses. We have, also, a small piece of the only meteorite of geological (Quaternary) age—the Villa Lujan, brought by us from Buenos Ayres in 1889.

In frequent cases, the considerable number of specimens of the same fall makes it possible to show varieties of extreme form and of inner structure. In nearly every case we are able to show *both* the outside crust of the specimen and, by fracture or artificial section, its inner features.

The authenticity of the specimens has been carefully studied. All doubtful falls have been sternly rejected. And we have refused to increase our list by giving duplicate names of what are undoubtedly of the same fall, as among Toluca, Coahuilas, Mocs, etc. Our sources of supply have been the large museums of the world, nearly everyone of which we have visited in bringing together this collection.

We have adopted the general divisions of the collection of the British Museum—Siderites, Siderolites and *Ærolites*. Under these divisions our arrangement, for ready convenience, has been alphabetical. We will only say in defining the fullness of the collection that, of the 61 classes or divisions of meteorites adopted by Brezina, we have all but 3; while, of the 62 types of Meunier, we have all but 4. Few meteorite collections in the world (we believe only *four*) have an equal number of kinds, with, at the same time, an average so large ($7\frac{1}{4}$ lbs.) in the weight of their individual specimens.

Each specimen is separately mounted on a choice mahogany pedestal, bearing a printed celluloid label. The entire collection fills four cases 12 feet long by 4 feet wide, with plate-glass sides through which, on their pedestals and shelves, the individual specimens may be seen and studied.

HENRY A. WARD.

620 Division Street, Chicago, Ill.

January 30, 1900.

CATALOGUE
OF THE
WARD-COONLEY COLLECTION
OF
METEORITES.

I. SIDERITES.

Or Meteoric Irons.

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
1	1780 Known	Adargas, Concepcion Hacienda, Chihuahua, Mexico. Described, Bartlett, Personal Narrative of Explorations in Texas, New Mexico, California, Sonora and Chihuahua. New York, 1854, Vol. 2, p. 457. Rectangular slab 34 x 47 mm., exterior surface on one edge, one face etched, showing large prominent Widmanstätten figures.	70
2	1857? Found	Alexander County, North Carolina. Described, Bailey, 1891, Jour. Elisha Mitchell Sci. Soc., Vol. 8, Part 1. Semicircular slab 39 x 44 mm. Face and one edge polished. Face shows no Widmanstätten figures, but numerous irregularly-shaped plates of schreibersite; the back shows exterior surface of the mass.	76
3	1894 Found March.	Arlington, Sibley County, Minnesota. Described, Winchell, 1896, The American Geologist, Vol. 18, No. 5, pp 267-271. Triangular slice 35 x 57 mm. One face etched, showing coarse Widmanstätten figures; also a fissure averaging some two lines in thickness, extending in a zigzag course across the face.	94
4	1867 Found	Auburn, Macon County, Alabama. Described, Shepard, 1869, Amer. Jour. Sci., Ser. 2, Vol. 47, pp. 230-233. A triangular piece 19 x 21 mm. much oxydized, with a few plates of taenite showing on surface.	17

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
5	1890 Found	Augustinowka, Govt. Ekaterinoslaw, Rus. Described, Alexejew, 1893, Verh. russ. Min. Ges., Vol. 2, pp. 30 and 470. Fragments entirely oxydized. 70 grammes. End piece 45 x 72 x 95 mm. Surface etched showing well-marked Widmanstätten figures, one troilite 17 mm. in diameter and several irregular shaped fissures filled with troilite. 1007 grammes.	1,077
6	1842 mentioned	Babb's Mills, Green County, Tennessee. Described, Troost, 1845, Am. Jour. Sci., Ser. 1, Vol. 49, pp. 342-344. A triangular section of a slice, 28 x 43 mm., two faces, one edge polished, two edges show exterior of the iron. On being etched, the surface only darkens, but shows no figures.	44
7	1893 Found	Ballinoo, Murchison River, 10 miles south of Ballinoo, West Australia. Described, H. A. Ward, 1898, Am. Jour. Sci., Ser. 4, Vol. 5, pp. 136-137. End piece with etched face, 70 x 150 mm. The Widmanstätten figures, though well developed, are very minute and scarcely visible to the naked eye. Etched face shows one troilite 10 mm. in diameter. On the exterior surface of back is shown a pitting within a pitting, the inner one being formed by the troilite having been worn away to a greater depth than the iron surrounding it. (This was a prominent feature in the original mass). 2757 grammes. End piece with etched face 145 x 263 mm., with troilite 20 x 30 mm.; exterior surface of back showing four of the peculiar pittings noted above. 8292 grms.	11,049
8	1855 Found	Barranca Blanca, San Francisco Pass, Chili. Described, Fletcher, 1889, Mineral Magazine, Vol. 8, pp. 224, 262-263. Fragment 13 x 24 mm., ragged exterior on all edges, with two etched surfaces showing very peculiar figures surrounding small nodules of troilite.	13
9	1897 Found	Beaconsfield, Kirchspiel, Berwick, Mornington County, Victoria, Australia. Described, 1897.	815

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		A section 100 x 120 mm., etched face showing broad figures, somewhat thickly spotted with plates of schreibersite. Also two troilites from 15 to 22 mm. in diameter, the larger partly surrounded by schreibersite.	
10	1866 Found	Bear Creek, Denver County, Colorado. Described, Shepard, Am. Jour. Sci., Ser. 2, Vol. 42, pp. 250, 251. Fragment, etched face 22 x 46 mm., showing well marked Widmanstätten figures. Crust on back, and good octahedral cleavage on edges.	62
11	1888 Found	Bella Roca, Sierra de San Francisco, Santiago Papasquiaro, Durango, Mexico. Described, Whitfield, Am. Jour. Sci., Ser. 3, Vol. 37, pp. 439, 440. A complete section 60 x 290 mm., one face etched, showing rather coarse Widmanstätten figures, and also dark diagonal bands of troilite, largest troilite on surface 27 x 84 mm.	754
12	1784 Found	Bendegó, Bahia, Brazil. Described, Mornay, 1816, Phil. Trans. (1816), 270. A triangular shaped slab 99 x 193 mm., one face etched showing coarsely crystalline structure with broad plates of kamacite and two small troilite nodules from 5 to 9 mm. in diameter; also three or four zigzag fissures from 26 to 55 mm. in length. Outside surface on two edges. 755 grammes. A rectangular slab 89 x 145 mm., markings as above, with troilite 5 x 42 mm. on etched face. Exterior surface shown on two edges. 923 grammes.	1,678
13	1888 Found	Bischtube, Nikolaev, Turgai, Russia. Described, Kislakovsky, 1890, Bull. Soc. Imp. des Naturalistes de Moscou, 1890, Nr. 2, pp. 187-199. Rectangular slab 30 x 38 mm., one face etched showing Widmanstätten figures of large size and numerous small plates of schreibersite.	37
14	1835 Found	Black Mountain, Asheville, Buncombe Co., N. Carolina. Described, Shepard, 1847, Am. Jour. Sci., Ser. 2, Vol. 4, pp. 82-83. Four fine octahedral cleavages from 10 to 15 mm. in diameter.	7

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
15	1890 Found	Blue Tier, Tasmania, Australia. Described, Petterd, 1893, Catalogue of Minerals of Tasmania, p. 40. A fragment 14 x 19 mm., two surfaces sawed, other showing partly crust and partly hackeled fracture.	9
16	1802 Found	Bitburg (Albacher Mühle), Rhenish Prussia. Described, Gibbs, 1814, Bruce's Am. Min. Jr., Vol. 1, pp. 219-221. A porous mass 42 x 44 x 44 mm., looking like an iron slag owing to its having been passed through a furnace at Trèves. 205 grammes. End piece, polished surface 62 x 95 mm., thickly strewn with large pores. 572 grammes	777
17	1829 Found	Bohumilitz, Prachin, Bohemia. Described, Verh. Ges. mus. Böhmen, April 3d, 1830, p. 15. Etched section 70 x 85 mm., showing broad, well defined Widmanstätten figures. Exterior surface on two thirds of edge. 98 grammes Complete section 130 x 220 mm., markings as above, with several long stringy troilites from 20 to 35 mm.; also numerous fissures following edges of the kamacite plates. 1605 grammes	1,703
18	1847 Fell July 14	Braunau, Hauptmannsdorf, Bohemia. Described, Humboldt, 1847. Comptes Rendus, Vol. 25, p. 627. Rectangular slab 20 x 25 mm., one face and two edges polished, one of the latter showing a section of troilite 3 mm. in diameter. One end shows crust, the other magnificent cubic cleavage, while the etched face show Neumann lines sufficiently clear to show all the features of Widmanstätten figures. 23 grammes. A mass 14 x 18 x 22 mm.; crust on one end, all other faces partly sawed and partly broken displaying fine cubic cleavage. 50 grammes	73
19	1890 Found	Bridgewater, Burke Co., North Carolina. Described, Kunz, 1890, Am. Jour. Sci., Ser. 3, Vol. 40, pp. 320-322. Rectangular slab, 36 x 57 mm., one face etched showing well marked Widmanstätten figures; two edges showing crust.	83

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
20	1819 Found before	Burlington, Otsego County, New York. Described, Pierce, 1844, Am. Jour. Sci., Ser. 1, Vol. 46, pp. 401-403. A mass 18 x 20 x 38 mm., one edge showing crust, the face etched showing well marked Widmanstätten figures with unusually broad bands of taenite. Back shows a hacked, torn surface.	61
21	1874 Found	Butler, Bates County, Missouri. Described, Broadhead, 1875, Am. Jour. Sci., Ser. 3, Vol. 10, p. 401. A rectangular slab 21 x 54 mm., with crust showing on one end. Etched surface covered with beautiful, rather fine, Widmanstätten figures, bands of taenite extending clear across the surface in an unbroken line.	82
22	1818 Found	Cambria (Lockport), Niagara County, N. Y. Described, Silliman, 1845, Am. Jour. Sci., Ser. 1, Vol. 48, pp. 388-392. A mass 20 x 36 x 42 mm., one edge polished, face etched, shows most beautiful Widmanstätten figures; rest crust and hacked fracture.	89
23	1783 Found	Campo del Cielo, Tucuman, Otumpa, Argentine Republic. Described, Don Rubin de Celis, 1788, Phil. Trans., Vol. 78, pp. 37-42. Irregular slab 43 x 53 mm., two-thirds of edge showing crust, etched face showing peculiar figures, consisting of unusually broad and somewhat indefinite plates with two troilite sections 15 and 28 mm. in diameter. 261 grammes Irregular slab, 69 x 150 mm., similar to above, troilite 25 mm. in diameter on etched face; also numerous small cracks or fissures dividing plates into irregular polygonal masses. 532 grammes	793
24	1891 Found	Cañon Diablo, Arizona. Described, Foote, Am. Jour. Sci., Ser. 3, Vol. 42, pp. 413-417. Complete mass 13 x 35 x 81 mm. showing characteristic pittings. 135 grammes Mass similar to above 94 x 103 mm. with a natural perforation 6 mm. in diameter. 425 grammes	657,840

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		Mass similar to above 43 x 62 x 95 mm. 812 grms Mass similar to above 43 x 62 x 95 mm. 1,070 grms Mass similar to above 40 x 87 x 170 mm. 2,250 grms Complete mass 300 x 395 x 515 mm., with beautiful characteristic pittings on all sides, with a number of small but exceedingly deep ones, one of which is 56 mm. in depth and one complete natural penetration. 170,100 grammes A mass similar to above 375 x 545 x 630 mm., showing one unusually large pitting 350 mm. in diameter from the bottom of which is a complete penetration 55 mm. in diameter. A short distance from this is another natural penetration 30 mm. in diameter. 383,292 grammes End piece 93 x 305 x 385 mm., face etched showing large prominent figures with broad plates of kamacite, shows eleven sections of troilite some of which are surrounded by graphitic carbon and this by schreibersite; also three complete natural perforations, back characteristic pittings. 31,752 grammes End piece 80 x 290 x 350 mm., etched face similar to above, containing eleven troilites some of which are from 110 to 130 mm. in length; also numerous small patches of schreibersite. 48,081 grammes A triangular section of slice 55 x 57 mm. Face etched showing usual markings and large patches of schreibersite. Exterior surface shown on portion of one edge. 111 grammes Complete slice 100 x 240 mm., face etched with usual broad Widmanstätten figures and numerous patches of schreibersite; also four sections of troilite, from 9 to 27 mm. in diameter, surrounded by schreibersite. 1286 grammes Complete slice, 350 x 470 mm. Etched face similar to above, with patches of schreibersite and nine sections of large-size troilites, some of which are surrounded by schreibersite. 18,526 grammes	
25	1894 Found March	Canton, Cherokee County, Georgia. Described by Howell, 1895, Am. Jour. Sci., Ser. 3, Vol. 50, p. 252. A mass much oxydized 25 x 33 x 55 mm., showing well marked octahedral cleavage. 160 grammes A slab 39 x 45 mm. Face etched showing well marked Widmanstätten figures, exterior of mass on all edges but one. 32 grammes	192

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
26	1793 Found	Cape of Good Hope, Bathurst, Cape Colony, South Africa. Described, Barrow, 1801. Account of Travels into the interior of Southern Africa, London, 1801, p. 226. A section 24 x 32 mm. Exterior surface of mass on two sides. Two faces etched, showing no Widmanstätten figures but broad bands, and a few minute sections of troilite.	56
27	1888 Found	Carlton, Hamilton County, Texas. Described, Howell, 1890, Proc. Rochester Acad. of Sci., Vol. 1, pp. 87-89. Complete slice, 170 x 250 mm. Face etched showing beautifully distinct but delicate Widmanstätten figures. Also numerous sections of troilite distributed in radiating veins, one of which is terminated by a star-shaped cluster. All the sections of troilite are completely bordered by a layer of kamacite. 2,757 grms. Complete section 220 x 295 mm. Widmanstätten figures and sections of troilite, similar to above. 3,235 grammes	5,992
28	1844 Found	Carthage, Smith County, Tennessee. Described, Troost, 1846, Am. Jr. Sci., Ser. 2, Vol. 2, pp. 356-357. Triangular slab 39 x 42 mm. One face polished, the other etched showing coarse typical Widmanstätten figures. Crust on one edge.	78
29	1804 mentioned	Charcas, San Lui Potosi, Mexico. Described, Sonneschmid, 1804, Mineralog. Beschreibung der vorzüglichsten Bergwerks-Reviere in Mexico oder Neuspanien, p. 288. A slice about 125 x 175 mm. One face etched showing typical Widmanstätten figures. "Now being sawed."	1,000
30	1847 Found	Chesterville, Chester County, S. Carolina. Described, Shepard, 1849, Am. Jour. Sci., Ser. 2, Vol. 7, pp. 449-450. A slab 35 x 41 mm. One face polished, the other etched. A portion of one edge shows crust. The etched face brings out no Widmanstätten figures, but consists of a granulated surface over which are raised characters resembling Chinese letters. Also a few small fissures or cavities.	72

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
31	1781? Fell	Chilcat, Portage Bay, Chilcat Inlet, Alaska. An end piece 34 x 74 mm., the face etched showing typical and prominent Widmanstätten figures with an unusual abundance of taenite bands. The crust can be seen only on a small section of the back. This, like the face, has been etched allowing the numerous bands of taenite to stand out prominently in relief over nearly the entire surface.	62
32	1873 Found	Chulafinnee, Cleberne County, Alabama. Described, Hidden, 1880, Am. Jour. Sci., Ser. 3, Vol. 19, pp. 370-371. A rectangular slab 23 x 48 mm. One face polished, the other etched, showing well-marked Widmanstätten figures. Portion of one edge shows crust.	28
33	1581 Known	Chupaderos, Chihuahua, Mexico. Described, Bartlett, 1854. Personal Narrative of Explor. in Texas, New Mexico, California, Sonora and Chihuahua. New York, 1854, Vol. 2, pp. 453-458. Triangular piece 27 x 53 mm. Two edges and portion of back show crust. Face etched showing delicate but well-marked Widmanstätten figures.	46
34	1837 Since	Coahuila, Desert of Mapini, Coahuila, Mex. Described, Smith, 1855, Am. Jour. Sci., Ser. 2, Vol. 19, pp. 160-161. A triangular section of slice 80 x 84 mm., showing crust on one edge. This slice has been tempered so that it shows brilliantly the various colors of the rainbow, blue and red predominating. 157 grammes A triangular section 80 x 83 mm. One face polished, other etched, showing faintly the Neumann lines. Two of the edges show crust. 185 grammes Semicircular slab 116 x 180 mm. Two-thirds of edge show crust. Face etched showing well-marked Widmanstätten figures in some sections, with one section of troilite 13 mm. in diameter partly surrounded with a rim of daubreelite. Also a number of sections of very small troilites. 925 grammes Slice 150 x 330 mm. Crust on all edges but one. Etched face shows similar figures to above, with sections of two large troilites, one of which is partly surrounded and penetrated by daubreelite; shows also a crack 110 mm. long extending from the edge nearly across the face of the slice. 2,162 grammes	3,429

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
35	1880 Found	Colfax , Rutherford County, N. Carolina. Described, Eakins, 1890, Am. Jour. Sci., Ser. 3, Vol. 39, pp. 395-396. A rectangular piece 26 x 43. Face etched, showing well-marked Widmanstätten figures; back torn surface showing distinct octahedral cleavage.	42
36	1860 Known	Coopertown , Robertson County, Tennessee. Described, Smith, 1861, Am. Jour. Sci., Ser. 2, Vol. 31, p. 266. A triangular section of slice 30 x 34 mm. One face etched, showing well marked Widmanstätten figures. One edge sawed, one showing a fracture, while the other two show exterior surface of the mass.	51
37	1837 Found	Cosby's Creek , Cocks County, Tennessee. Described, Troost, 1840, Am. Jour. Sci., Ser. 1, Vol. 38, pp. 250-254. A rectangular mass 17 x 28 x 40 mm., showing well-marked octahedral cleavage, with numerous plates of bright taenite on surface. Mass much oxydized.	71
38	1881 Found	Costilla Peak , Cimarron Range, New Mex. Described, Hills, 1895, Proc. Colorado Sci. Soc., p. 1. A triangular piece 23 x 45 mm. Two-thirds of edge showing crust, face etched, showing well-marked and characteristic Widmanstätten figures.	16
39	1888 Before	Cowra , New South Wales. Described, Card, 1897, Records of the Geol. Surv. of N. S. W., Vol. 5, part 2, p. 51. A rectangular slab 30 x 80 mm. Crust on two-thirds of edge. Etched face shows very delicate Widmanstätten figures, with numerous small crystals of schreibersite.	25
40	1854 Found	Cranbourne , Melbourne, Victoria, Australia. Described, Haidinger, 1861, Wien. Akad. Ber., Vol. 43, Abth. 2, p. 583. A fragment 10 x 23 x 30 mm., much oxydized, and showing well-marked octahedral cleavage. 23 grms. A rectangular mass 22 x 43 mm. One etched face, showing very broad perfect Widmanstätten figures;	85

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		back shows partly crust and partly torn surface with well-marked octahedral cleavage. Silvery plates of taenite are numerous throughout the mass. 62 grms.	
41	1808 Found	Cross Timbers , Red River, Texas. Described, Bruce, 1810-14, Am. Mineralogical Jour., Vol. 1, p. 124. A fragment 15 x 15 mm. One face etched, shows well-marked Widmanstätten figures.	3
42	1877 Found	Dalton , Whitfield County, Georgia. Described, Smith, 1877, Am. Jour. Sci., Ser. 3, Vol. 14, p. 246. A small slab 18 x 20 mm., showing well-marked Widmanstätten figures and crust.	17
43	1846 Found	Deep Springs , Rockingham Co., N. Car. Described, Venable, 1890, Am. Jour. Sci., Ser. 3, Vol. 40, pp. 161, 162. A rectangular slab 25 x 43 mm. Etched face, shows no Widmanstätten figures; back and edges, show crust.	47
44	1873 Found	Duel Hill , Madison County, North Carolina. Described, Burton, 1876, Am. Jour. Sci., Ser. 3, Vol. 12, p. 439. An irregular chiseled mass 17 x 29 mm. One face etched, showing poor Widmanstätten figures but numerous particles of schreibersite.	23
45	1811 Recognized	Elbogen , Bohemia. Described, Neumann, 1812, Gilb. Ann., Vol. 42, p. 197. A small section 17 x 22 x 23 mm. One face etched, showing very perfect Widmanstätten figures and numerous so-called Laphamite lines. A portion of the back shows crust.	25
46	1895 Found July	El Capitan , New Mexico. Described, Howell, 1895, Am. Jour. Sci., Ser. 3, Vol. 50, pp. 253, 254. A nearly complete section 115 x 130 mm. Crust shown on edges. One face polished, the other etched, showing well-defined Widmanstätten figures, with	2,099

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		broad bands of kamacite. Face shows two sections of troilite, one of which is 14 mm. in diameter; also numerous small cracks or fissures generally following the edges of the kamacite bands, 485 grammes Complete slice 115 x 200 mm., similar to above. 1614 grammes	
47	1854 Found	Emmitsburg, Frederick County, Maryland. Described, Brezina, 1885, Wiener Sammlung, pp. 211, 234. A thin rectangular slab 23 x 48 mm. Crust showing on two edges; etched face, showing well-marked Widmanstätten figures with a second series of very fine lines similar to the Neumann lines.	21
48	1895 Described	Forsyth County, Georgia. Described, Brezina, 1895, Wiener Sammlung, p. 307. Complete section 100 x 130 mm., with crust all around edge. Etched surface, shows no Widmanstätten figures, but a granulated surface containing two cross sections of troilite, one 20 mm. in diameter.	550
49	1882 Found	Fort Duncan, Maverick County, Texas. Described, Hidden, 1886, Am. Jour. Sci., Ser. 3, Vol. 32, pp. 304-306. A triangular section 65 x 135 mm. Crust on two-thirds of edge; etched face, shows no Widmanstätten figures, but numerous prisms of Rhabdite and small grains of troilite.	347
50	1856 Found	Fort St. Pierre, Nebraska. Described, Chouteau, 1858, Trans. St. Louis Acad. of Sci., Vol. 1, p. 307. Section of slice 33 x 50 mm. Crust on two edges. One face polished, other etched, showing good Widmanstätten figures.	64
51	1884 Found	Glorieta Mountain, Santa Fé County, New Mexico. Described, Kunz, 1885, Am. Jour. Sci., Ser. 3, Vol. 30, p. 235. A complete mass 30 x 47 x 125 mm., of a reddish-brown color showing characteristic pittings. 359 grms. A complete section 46 x 72 mm., with crust on edges. One face polished, other etched, showing an unusual and most beautiful curved octahedral structure. 68 grammes	1,533

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		An end piece 53 x 83 mm. Etched face, showing typical Widmanstätten figures; deeply pitted crust on back and edges. 286 grammes A slab 90 x 145 mm. One face polished, other etched, markings as above. Face shows two long stringy troilite sections, one 55 mm. long. Crust on three edges. 820 grammes	
52	1883 Found	Grand Rapids, Kent County, Michigan. Described, Eastman, 1884, Am. Jour. Sci., Ser. 3, Vol. 28, pp. 299, 300. Complete section 160 x 230 mm. Crust on edge. Etched face, exhibiting very striking Widmanstätten figures made up of thin plates packed together in bundles. 1679 grammes Complete slice, similar to above, 160 x 240 mm. 2,262 grammes	3,941
53	1884 Found	Hammond, St. Croix County, Wisconsin. Described, Fisher, 1887, Am. Jour. Sci., Ser. 3, Vol. 34, pp. 381-383. Triangular section of slice 45 x 62 mm. Crust on two-thirds of edge. Two faces etched, showing well-marked Widmanstätten figures and numerous plates of schreibersite. Also two sections of troilite, one 10 mm. in diameter surrounded by schreibersite.	98
54	1895 Found	Hayden Creek, Lemhi County, Idaho. To be described. End piece 36 x 45 mm. Etched face, shows well-marked Widmanstätten figures. Back covered with a bright black shiny crust.	42
55	1882 Found	Hex River, Cape Colony, South Africa. Described, Brezina, 1896, Ann. d. k. k. Naturh. Hofmus., Vol. 10, pp. 291, 349. Section of slice 70 x 80 mm. Crust on two edges. Etched face, shows Neumann lines and the parallel systems of troilite plates, with a section of troilite 7 mm. in diameter.	248
56	1887 Found	Holland's Store, Chattooga Co., Georgia. Described, Kunz, 1887, Am. Jour. Sci., Ser. 3, Vol. 34, pp. 471, 472. A complete section 80 x 118 mm. One face etched, but shows no Widmanstätten figures, but numerous small flakes of schreibersite and small troilite grains.	248

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
57	1751 Fell May 26th	Hraschina, Agram, Croatia, Austria. Described, Güssman, 1785, <i>Lythophylaceum Mitisianum Dissertatione praeuia et observationibus perpetuis physico mineralogicis explicatum a Francisco Güssman. Viennae typis Josephi Nobilis de Kurzbeck, 1785, Vol. 2, pp. 127-131.</i> Small rectangular slab 14 x 17 mm. Etched on six sides, showing fine Widmanstätten figures.	9
58	1871 Found	Iquique, Province Tarapaca, Peru, S. A. Described, Raimond, 1873, <i>Fetschr. d. Ges. nat.-forsch. Freunde, Berlin, 1873.</i> Section of slab 24 x 29 mm. One face polished, other etched, showing no figures. Crust on three edges.	17
59	1880 Described	Ivanpah, San Bernardino Co., California. Described, Shepard, 1880, <i>Am. Jour. Sci., Ser. 3, Vol. 19, pp. 381, 382.</i> A semicircular slab 44 x 100 mm. Crust on two-thirds of edge. Etched face, shows well-marked, rather large Widmanstätten figures.	221
60	1846 Described	Jackson County, Tennessee. Described, Troost, 1846, <i>Am. Jour. Sci., Ser. 2, Vol. 2, p. 357.</i> A mass 20 x 30 x 36 mm. One face etched, showing faint Widmanstätten figures with an abundance of taenite in narrow bands. Balance of mass shows well-defined octahedral cleavage.	117
61	1885 Found	Jamestown, Stutsman County, N. Dakota. Described, Huntington, 1890, <i>Proc. Amer. Acad. Arts and Sci., Vol. 25, pp. 229-232.</i> End piece 24 x 44 x 110 mm. Face etched, giving typical Widmanstätten figures, showing plates not over one mm. thick, closely interlaced, and frequently bent. Back crust with very small pittings.	583
62	1882 Found	Jenny's Creek, Wayne Co., W. Virginia. Described, Kunz, 1885, <i>Proc. Amer. Asso., Vol. 34, p. 246.</i> Two rough fragments showing plates of taenite on surface.	3

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
63	1854 Known	Jewell Hill, Walnut Mountains, Madison County, N. Carolina. Described, Smith, 1860, <i>Am. Jour. Sci., Ser. 2, Vol. 30, p. 240.</i> Small slab 20 x 21 mm. One face polished, other etched, showing most beautiful fine Widmanstätten figures. Portion of one edge shows crust.	15
64	1884 Found	Joe Wright Mountain, Independence Co., Arkansas. Described, Hidden, 1886, <i>School of Mines Quarterly, Vol. 7, No. 2, Jan., 1886.</i> Triangular slab 80 x 110 mm. Crust on one edge. Etched face, shows well-marked Widmanstätten figures with broad bands of kamacite. A section of troilite on edge.	175
65	1866 Found	Juncal, Atacama, Chili. Described, Daubrée, 1868, <i>Comptes Rendus, Vol. 66, pp. 568-571.</i> Thin slab 12 x 15 mm. Face etched, showing well-marked Widmanstätten figures. Portion of back showing crust.	2
66	1887 Described	Kendall County, San Antonio, Texas. Described, Brezina, 1887, <i>Neue Meteoriten III Ann. Hof-Mus., Vol. 2, p. 115.</i> Nearly complete section 69 x 150 mm. Crust on edges. One face polished, other etched, exhibiting a granular brecciated surface, with numerous irregular-shaped troilite nodules and small flakes of schreibersite.	286
67	1889 Found	Kenton County, 18 miles south of Independence, Kentucky. Described, Preston, 1892, <i>Am. Jour. Sci., Ser. 3, Vol. 44, pp. 163, 164.</i> Complete section 200 x 500 mm. Crust on edges. One face polished, other etched, showing very beautiful and regular Widmanstätten figures, with numerous small troilite sections. 8,660 grammes Complete slice 210 x 480 mm., similar to above with the exception that the portion of one edge shows fine octahedral cleavage. 9,270 grammes	17,930

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
68	1828 Recognized	La Caille , near Grasse, Alpes Maritimes, France. Described, Brard, 1828, <i>Minéralogie</i> , unter dem Artikel "Fer." An end piece 23 x 28 mm. Three faces etched, one showing well-marked Widmanstätten figures with numerous so-called Laphamite lines, while the large face shows no well-defined figures but bands of taenite crossing the surface in curved lines. Back shows crust.	34
69	1860 Found	La Grange , Oldham County, Kentucky. Described, Smith, 1861, <i>Am. Jour. Sci.</i> , Ser. 2, Vol. 31, p. 151. Section of slice 28 x 30 mm. Crust on one edge. One face polished, other etched, shows very narrow and somewhat indistinct Widmanstätten figures.	33
70	1888 Found	La Primitiva , Salitra, Tarapaca, Chili. Described, Howell, 1890, <i>Proc. Rochester Acad. of Sci.</i> , Vol. 1, p. 100. An irregular-shaped slice 52 x 52 mm. Crust on all edges but one. Etched face show no figures but large broad plates of schreibersite.	30
71	1814 Found	Lenarto , Sáros, Hungary. Described, Tehel, 1815, <i>Gilb. Ann.</i> , Vol. 49, pp. 181, 182. A section of slice 52 x 66 mm. One edge showing crust. Etched face exhibits rather small and somewhat indistinct Widmanstätten figures, Laphamite markings and numerous small patches of schreibersite.	133
72	1880 Found	Lexington County , South Carolina. Described, Shepard, 1881, <i>Am. Jour. Sci.</i> , Ser. 3, Vol. 21, pp. 117-119. A triangular piece 19 x 25 mm. Back showing crust. Two faces etched, showing broad bands of kamacite with some schreibersite.	20
73	1879 Found	Lick Creek , Davidson County, N. Carolina. Described, Hidden, 1880, <i>Am. Jour. Sci.</i> , Ser. 3, Vol. 20, pp. 323-326. Rectangular slab 22 x 32 mm. Etched face shows no figures but a granulated surface with prisms of rhabdite, and flakes of schreibersite.	15

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
74	1834 Found	Lime Creek , Claiborne, Clark County, Ala. Described, Jackson, 1838, <i>Am. Jour. Sci.</i> , Ser. 1, Vol. 34, pp. 332-337. Section of slice 18 x 23 mm. Crust on two thirds of edges. Etched face shows no Widmanstätten figures, but schreibersite is plainly visible in streaks and spots.	14
75	1853 Described	Lion River , Great Namaqualand, S. Africa. Described, Shepard, 1853, <i>Am. Jour. Sci.</i> , Ser. 2, Vol. 15, pp. 1-4. Rectangular piece 21 x 38 mm. Exterior of mass on one edge. Beautifully regular Widmanstätten figures on etched face, with section of long narrow troilite.	46
76	1857 Found	Locust Grove , Henry County, Georgia. Described, Brezina, 1895, <i>Wiener Sammlung</i> , 1895, pp. 302, 353. Complete section 65 x 73 mm. Crust on edges. Etched face shows no Widmanstätten figures, but prisms of rhabdite, numerous small flakes of schreibersite and small troilite nodules.	227
77	1854 Found	Madoc , Hastings County, Ontario, Canada. Described, Hunt, 1855, <i>Am. Jour. Sci.</i> , Ser. 2, Vol. 19, p. 417. A rectangular slab 17 x 22 mm. Face etched, showing no Widmanstätten figures, but a granular or pitted surface thickly strewn with fine irregular bands of taenite. Back, exterior surface of mass.	24
78	1899 Found	Magdalena , Socorro County, New Mexico. To be described. End piece 120 x 190 mm. Face etched, showing distinct Widmanstätten figures. Also four sections of troilite from 8 to 28 mm. in diameter. There are also numerous fissures extending across the etched face that are apparently filled with troilite. The back, of a reddish brown color, shows the usual characteristic pittings, some of which are of large size.	3,124
79	1840 Found	Magura , Szlanicza, Hungary. Described, Haidinger, 1844, <i>Wiener Zeitung</i> , 17th April, 1844. End piece 25 x 62 x 95 mm. Face etched showing no Widmanstätten figures, but numerous grains or patches of schreibersite, with several small troilite sec-	1,366

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		tions, some of which are surrounded by schreibersite. Also numerous small irregular fissures or cracks extending over etched surface. Cleavage structure prominent on back of mass. 520 grammes Mass 40 x 60 x 118 mm. Exterior of mass on one surface, balance hackeled fracture showing cleavage structure. 846 grammes	
80	1876 Found	Mantos Blancos (Mount Hicks), Atacama, Chili. Described, Fletcher, 1889, Mineral. Mag., Vol. 8, pp. 224, 230, 257, 258. Fragment 6 x 9 mm. One face etched, showing sharp but small Widmanstätten figures. Another face fracture, showing octahedral cleavage; while a third face is outside surface of iron.	2
81	1860 Described	Marshall County, Kentucky. Described, Smith, 1860, Am. Jour. Sci., Ser. 2, Vol. 30, p. 240. End piece 17 x 34 mm. Etched face, shows well-marked Widmanstätten figures. Back, exterior of mass.	17
82	1884 Known	Merceditas, Chañaral, Atacama, Chili. Described, Howell, 1890, Proc. Rochester Acad. of Sci., Vol. 1, p. 99. Section of slab 75 x 165 mm. Crust on two-thirds of edge. One face polished, other etched, showing very large well-defined Widmanstätten figures, with broad blades of kamacite and a few small sections of troilite.	729
83	1855 Found	Missouri. To be described. End piece 115 x 160 mm. Back showing crust and characteristic pittings. Etched face, shows numerous small troilite sections partly surrounded by schreibersite. It shows no typical Widmanstätten figures.	2,535
84	1804 Known	Misteca, Oaxaca, Mexico. Described, Del Rio, 1804, Tablas Mineralog., p. 57. Section of slab 31 x 49 mm. Exterior of mass on one edge. Etched face shows well-marked but somewhat indistinct Widmanstätten figures, with an abundance of laphamite lines.	70

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
85	1893? Found	Mooranoppin, 160 miles east of York, Western Australia. Described, H. A. Ward, 1898, Am. Jour. Sci., Ser. 4, Vol. 5, p. 140. Complete section 42 x 68 mm. Crust on edges. Etched face shows indistinct Widmanstätten figures on account of the broad kamacite bands. Face shows a few small nodules of troilite and a nodule of graphitic carbon 15 mm. in diameter surrounded with schreibersite; also numerous small fissures filled with graphitic carbon.	74
86	1892 Known	Moscow, Russia. Not described. Balance in Agricultural Museum at Moscow. End piece 29 x 65 x 110 mm. Etched face shows no Widmanstätten figures, but numerous small flakes or patches that may be schreibersite. Back shows exterior of surface, of a reddish-brown color, covered with long finger-like depressions or pittings.	727
87	1887 Found	Mount Joy, Adams County, Pennsylvania. Described, Howell, 1892, Am. Jour. Sci., Ser. 4, Vol. 44, pp. 415, 416. A complete section 520 x 760 mm. Exterior of mass on edge. Face etched, showing a coarsely brecciated surface with large plates of schreibersite. The Neumann lines are prominent, as well as the parallel system of troilite plates.	15,000
88	1892 Known	Mount Stirling, West Australia. Described in the Records of the Australian Museum. Complete slice 111 x 240 mm. Crust on edges. Etched face shows Widmanstätten figures, with very broad plates of kamacite and numerous patches of schreibersite; also five sections of troilite from 9 to 31 mm. in diameter most of which are surrounded by schreibersite, and one complete penetration 27 mm. in diameter through the slice, where a troilite had been weathered out.	952
89	1897 Found	Mungindi, Queensland, Australia. Described, Card, 1897, Rec. Geol. Surv. N. S. Wales, Vol. 3, p. 121. End piece 45 x 74 x 180 mm. Etched face shows Widmanstätten figures of great clearness and beauty;	1,387

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		several small troilite sections, and one long thread-like mass 26 mm. in length. The exterior surface on back shows in some places the original crust, and is completely covered with characteristic pittings.	
90	1899 Found	Murphy, Cherokee County, N. Carolina. Described, H. L. Ward, Am. Jour. Sci., Ser. 4, Vol. 8, pp. 225, 226. Complete slice 43 x 81 mm. Exterior surface of mass on edges. Etched face shows the Neumann lines prominently; also two sections of troilite 8 and 13 mm. in diameter. Daubreelite is also shown along the edges of the troilite. 259 grammes Complete slice 82 x 105 mm., similar to above, with the exception that the troilites are very much smaller and show no Daubreelite. 308 grammes	567
91	1890 Found	Nagy-Vazsony, Veszprim, Hungary. Described, V. Hauer, 1891, Ann. Hof-mus., Vol. 6, p. 54. Thin section 16 x 50 mm. Etched face shows well-marked Widmanstätten figures, with broad bands of kamacite. The laphamite lines are quite prominent in some sections.	2
92	1863 Fell?	Nejed, (Wanee Baneé Khaled), Central Arabia. Described, Fletcher, 1887, Mineral Mag., Vol. 7, pp. 179-182. Section of slice 30 x 46 mm. Crust on two-thirds of edge. Face etched, showing large and prominent Widmanstätten figures, with numerous laphamite lines.	30
93	1860 Found	Nelson County, Kentucky. Described, Smith, Am. Jr. Sci., Ser. 2, Vol. 30, p. 240. Section of slice 16 x 33 x 51 mm. Crust on two edges. One face etched, does not show distinct Widmanstätten figures but very broad plates. 153 grms. Section 88 x 130 mm. Crust on three edges. Etched face shows well-marked Widmanstätten figures in unusually broad plates; also a number of fissures following usually the edges of these plates. 282 grammes	435

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
94	1872 Found	Nenntmannsdorf, Pirna, Saxony. Described, Geinitz, 1872, Im Dresdener Journal vom 31 December, 1872 (Nr. 303). Small section 13 x 20 mm. Crust on one edge. Etched face shows large plates, but no Widmanstätten figures.	5
95	1846 Found	Netschaëvo, Tula, Russia. Described, Auerbach, 1858, Bull. de la Soc. impér. des Naturalistes Moskou, Vol. 31, pp. 331, 332. Mass 27 x 34 x 41 mm. Three edges and back showing exterior of mass. One face etched, showing no distinct figures but numerous plates of schreibersite; other polished.	180
96	1827 Found	Newstead, Roxburghshire, Scotland. Described, Smith, 1862, Edinburgh New Phil. Jour., new series, 1862, Vol. 16, p. 108. Triangular section 25 x 36 mm. Back shows crust, three faces polished, one etched, showing no Widmanstätten figures but numerous small flakes of schreibersite.	52
97	1895 Known	Nocoleche, five miles S. W. of Nocoleche Station, near Wanaaring, N. S. Wales. Described, Cooksey, 1897, Records Austr. Mus., Vol. 3, No. 3, pp. 51-54. Complete slice 110 x 180 mm. Crust on all edges. Etched face shows well-defined large Widmanstätten figures, with broad plates of kamacite. Also numerous sections of troilite, the largest 18 mm. in diameter, most of which are entirely or partially surrounded by schreibersite. Many plates of schreibersite are visible on etched face, one of which being 16 x 40 mm. in diameter.	1,125
98	1863 Recognized	Obernkirchen, near Bückeberg, Schaumburg-Lippe, Germany. Described, Wöhler and Wicke, 1863, Gött. Gel. Anz. (Nachr.) 1863, pp. 364-367. Triangular section of slice 16 x 40 mm. One edge exterior of mass. Etched face shows very distinct, fine, Widmanstätten figures.	60

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
99	1856 Described	Orange River, South Africa. Described, Shepard, 1856, Am. Jour. Sci., Ser. 3, Vol. 21, pp. 213-216. Section of slice 16 x 50 mm. Crust on three edges. Both faces etched, showing typical Widmanstätten figures.	22
100	1893 Found	Oroville, Butte County, California. To be described. Complete slice 60 x 135 mm. Crust on edges. Etched face shows clear, well-defined Widmanstätten figures, with several long, stringy, troilite sections, one of which is 22 mm. in length. Also numerous fissures filled in part by troilite and graphitic carbon. 262 grammes Another complete slice 65 x 140 mm. Character of etched face similar to above. 317 grammes	579
101	1895 Found Dec. 10.	Oscuro Mountains, Socorro County, New Mexico. Described, Hills, 1897, Proc. of the Colo. Sci. Soc., 1897, pp. 1-4. End piece 74 x 110 mm. The back is the exterior surface of the iron, covered with a thin dark-brown crust and numerous characteristic pittings. The etched face shows rather well-defined Widmanstätten figures, with numerous small patches of schreibersite. The face exhibits also numerous cracks or crevices filled with graphitic carbon.	640
102	1850 Described	Pittsburgh (Miller's Run), Alleghany Co., Pennsylvania. Described, Silliman, 1850, Proc. Amer. Asso. for the year 1850, Vol. 4, p. 37. Section of a slice 9 x 14 x 17. Crust shown on two edges. Three faces polished, one etched, showing sections of broad Widmanstätten figures.	9
103	1893 Found	Plymouth, Marshall County, Indiana. Described, H. A. Ward, 1895, Am. Jour. Sci., Ser. 3, Vol. 49, pp. 53-55. Complete slice 58 x 150 mm. Crust on edges. One face polished, other etched, showing well-marked Widmanstätten figures, with laphamite lines prominently present. Also section of troilite 21 mm. in	1,090

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		diameter, with one fissure 45 mm. in length partially filled with troilite. 462 grammes Complete slice 70 x 180 mm. Characters similar to above. 628 grammes	
104	1885 Found	Puquios, Chili, South America. Described, Howell, 1890, Am. Jour. Sci., Ser. 3, Vol. 40, pp. 224-226. Section of slice 34 x 55 mm. Crust on three edges. Two faces etched, showing well-marked Widmanstätten figures, laphamite markings and sections of several small troilites. Also a fracture, causing a distinct faulting of the Widmanstätten figures.	61
105	1839 Found	Putnam County, Georgia. Described, Willet, 1854, Am. Jour. Sci., Ser. 2, Vol. 17, pp. 331, 332. A mass 12 x 16 x 35 mm. One face crust, balance fracture, showing remarkably well-defined octahedral cleavage, with bright plates of taenite on cleavage faces.	23
106	Found	Queensland, Australia. To be described. A triangular slab 40 x 44 mm. Exterior of mass on back. One edge shows fracture, exhibiting octahedral structure. Etched face well-marked Widmanstätten figures, with broad bands of kamacite.	72
107	1804 Known	Rancho de la Pila, Durango, Mexico. Described, Del Rio, 1804. Tablas Mineralogicas, Mexico, 1804, p. 57. Triangular section of slice, 22 x 35 mm. Crust on two edges. Face etched, showing well-marked Widmanstätten figures with two small sections of troilite and numerous flakes of schreibersite.	42
108	1895 Found	Rasgata, New Granada, South America. Described, Mariano de Rivero and Boussingault, 1824, Ann. Chim. Phys., Vol. 25, pp. 438-443. Rectangular slice 15 x 35 mm. Back shows crust of reddish-brown color, with numerous, small, typical pittings. Etched face, a granulated surface with small flakes of schreibersite, but no Widmanstätten figures.	14

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
109	1892 Found	Roebourne, nr. Hammersley Range, North-west Australia. Described, H. A. Ward, 1898, Am. Jour. Sci., Ser. 4, Vol. 5, pp. 135, 136. Complete slice 148 x 288 mm. Crust on edge. Etched face shows magnificent Widmanstätten figures with a number of small and one large section of troilite, the largest 16 mm. in diameter. Face is also thickly scattered with small flakes of schreibersite. 1,407 grammes End piece 100 x 190 x 250 mm. Face etched, showing characters similar to above. Back exterior of mass of a reddish-brown color, showing typical pittings. 13,778 grammes	15,185
110	1897 Found	Rosario, Honduras, Central America. To be described. Complete section 75 x 115 mm. Crust on edge. Etched face shows no distinct Widmanstätten figures, but numerous troilite sections, in long narrow strings or bands surrounded by schreibersite. These sections, being arranged in parallel lines in three directions, give somewhat the appearance of Widmanstätten figures.	461
111	1872 Fell April 20	Rowton, near Wellington, Shropshire, Eug. Described, Flight, 1882, Philos. Trans. Royal Soc., Vol. 3 (1882), pp. 894-896. Section of slice 8 x 20 mm. Exterior of mass on one edge. One face etched, showing well-marked Widmanstätten figures.	3
112	1844 Found	Ruff's Mountain, Lexington County, South Carolina. Described, Shepard, 1850, Am. Jour. Sci., Ser. 2, Vol. 10, p. 128. Triangular piece 39 x 50 mm. Crust on back. Etched face shows Widmanstätten figures but with an indefiniteness about them, probably due to small flakes of schreibersite. Also numerous small sections of troilite.	118
113	1863 Found	Russel Gulch, Gilpin County, Colorado. Described, Smith, 1866, Am. Jour. Sci., Ser. 2, Vol. 42, pp. 218, 219. Section of slice 76 x 90 mm. Crust on one edge.	277

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
		Both faces etched, showing well-marked Widmanstätten figures, with the blades of kamacite curved or bent. Laphamite lines are also well marked. The slice is filled with numerous fissures following the edges of the blades of kamacite.	
114	1876 Fell?	Sacramento Mountains, Eddy County, New Mexico. Described, Foote, 1897, Am. Jr. Sci., Ser. 4, Vol. 3, pp. 65, 66. Complete slice 69 x 305 mm. Crust on edges. Face etched, showing well-marked Widmanstätten figures, with a few small sections of troilite.	836
115	1863 Found	Saint Francois County, Missouri. Described, Shepard, 1869, Am. Jour. Sci., Ser. 2, Vol. 47, pp. 233, 234. Complete slice 94 x 118 mm. Crust on edges. Etched face shows clear, distinct, large Widmanstätten figures, with broad plates of kamacite, and numerous minute sections of troilite.	753
116	1827 Known	Sancha Estate, Coahuila, Mexico. Described, 1890, Mineralog. Magazine, 1890, Vol. 9, p. 113. A rectangular section of slab 23 x 86 mm. Crust on two edges. Etched face shows a granulated surface, but no Widmanstätten figures.	77
117	1897 Found July	San Angelo, Tom Green County, Texas. Described, Preston, Am. Jour. Sci., Ser. 4, Vol. 5, pp. 269-272. Complete slice 130 x 270 mm. Exterior of mass on edges. Etched face shows beautifully-distinct, large Widmanstätten figures, with numerous small and one large section of troilite 25 mm. in diameter. The etched face shows many cracks or fissures following along the edges of the kamacite bands, the larger of these being filled with graphitic carbon. 1871 grms. A complete slice 96 x 235 mm. Characters similar to above. 2,645 grammes	4,516
118	1875 Known	Santa Catarina, Rio San Francisco do Sul, Brazil, S. A. Described, Guignet and Ozorio de Almeida, 1876, Comptes Rendus, Vol. 83, pp. 917-919.	2,336

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		<p>Section of slice 20 x 31 mm. Exterior of mass on one edge. Etched face, showing rather poor, imperfect Widmanstätten figures. 15 grammes</p> <p>A mass 55 x 73 mm. Altered, having the appearance and color of limonite. 163 grammes</p> <p>A porous mass 37 x 80 x 125 mm., similar to above, with the exception that one face is polished. 556 grammes</p> <p>A mass 95 x 95 x 135 mm., similar to above. 1,602 grammes</p>	
119	1883 Known	<p>São Julião de Moreira, Ponte de Lima, Minho, Portugal.</p> <p>Described, Ben-Saude, 1888, Comm. da commiss. d. trab. geol. de Portugal, Vol. 2, pp. 14-16.</p> <p>A section 55 x 105 mm. Exterior of mass on one edge, other edges fractured, showing bright plates of taenite. Etched face shows a strongly brecciated surface, with large plates of schreibersite, and a bunch or group of small sections of troilite. Neumann lines are well developed on different portions of the face. Besides these there are numerous cracks or fissures following the edges of the schreibersite plates. 183 grammes</p> <p>A section 115 x 150 mm., similar to above, with the exception that there is very much more troilite, occurring in meandering, stringy masses. 785 grammes</p>	968
120	1854 Found	<p>Sarepta, Saratov, Russia.</p> <p>Described, Auerbach, 1854, Bull. Soc. Imp. des Naturalistes de Moscou, 1854, Nr. 4, p. 504.</p> <p>Section of slice 21 x 22 mm. Crust on two edges. One face polished, other etched, showing broad plates most beautifully marked with Neumann lines; also a few small plates of brilliant nickeliferous iron.</p>	15
121	1867 Found	<p>Scottsville, Allen County, Kentucky.</p> <p>Described, Whitfield, 1887, Am. Jour. Sci., Ser. 3, Vol. 33, pp. 500, 501.</p> <p>End piece 47 x 65 x 130 mm. Crust on back. Face etched, showing a network of delicate Neumann lines overlaying a granular base. Also one circular troilite section 9 mm. in diameter.</p>	1,153

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
122	1834 Found	<p>Scriba, Oswego County, New York.</p> <p>Described, Shepard, 1841, Am. Jour. Sci., Ser. 1, Vol. 40, pp. 366-369.</p> <p>Section of end piece 20 x 34 mm. Crust on back. Etched face shows mottled surface but no Widmanstätten figures.</p>	19
123	<p>Sedacrzim, Finland.</p> <p>From old Finland collection of N. Nordenskjöld (father of Baron Nordenskjöld), Helsingfors Museum.</p> <p>Rectangular slab 33 x 46 mm. Etched face shows Widmanstätten figures with very broad plates. Neumann lines are distinctly brought out on some parts of the face. There are, also, a few small cracks or fissures filled with graphitic carbon.</p>	123
124	1847 Found	<p>See-Läsgen, Brandenburg, Prussia.</p> <p>Described, Goppert, 1847, Verh. Berlin. Akad, 1847, p. 488.</p> <p>Rectangular slab 29 x 45 mm. Crust on one edge. Etched face shows Widmanstätten figures, with large plates on which the Neumann lines are well developed. 40 grammes</p> <p>Section of slice 31 x 40 mm. Face etched, characters similar to above. 69 grammes</p>	109
125	1850 Found	<p>Seneca Falls, Seneca County, N. Y.</p> <p>Described, Shepard, 1851, Am. Jour. Sci., Ser. 2, Vol. 11, pp. 39, 40.</p> <p>Complete section 37 x 62 mm. Crust on edges. Face etched, showing well-marked Widmanstätten figures, and a circular troilite section 14 mm. in diameter, surrounded by schreibersite.</p>	104
126	1845 Found	<p>Sevier County, Tennessee.</p> <p>Described, Shepard, 1847, Am. Jour. Sci., Ser. 2, Vol. 4, pp. 83-85.</p> <p>A mass 21 x 25 x 36 mm. Exterior of mass on one side. Balance shows well-marked octahedral cleavage, with bright plates of taenite.</p>	37
127	1887 Found	<p>Silver Crown, Crow Creek, Laramie Co., Wyoming.</p> <p>Described, Kunz, 1888, Am. Jour. Sci., Ser. 3, Vol. 36, pp. 276, 277.</p>	105

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
128	1716 Found	A section of slice 48 x 76 mm. Crust on two edges. Etched face shows coarse, well-marked Widmanstätten figures in large plates, on which Neumann lines in some sections are well developed. Lines of taenite very distinct. Siratik, Senegal, West Africa. Described, Compagnon, 1748, Schwabe's Allgemeine Historie der Reisen zu Wasser und Lande, Leipzig, 1748, Vol. 2, Book 5, Chap. 13, p. 510. A chiseled fragment 14 x 16 mm., showing fracture, with bright plates of taenite.	4
129	1839 or '40 Found	Smithland, Livingston County, Kentucky. Described, Troost, 1846, Am. Jour. Sci., Ser. 2, Vol. 2, pp. 357, 358. A worked piece 13 x 15 x 58 mm.	49
130	1863 Found	Smith's Mountain, Rockingham County, North Carolina. Described, Tschermak, 1872, Meteoriten, m. m., Vol. 2, p. 172. A triangular section of slice 39 x 56 mm., with crust on two-thirds of edge. Etched face shows well-marked Widmanstätten figures, with two long stringy patches of troilite.	40
131	1892 Found Nov.	Smithville, DeKalb County, Tennessee. Described, Brezina, 1895, Wiener Sammlung, pp. 255, 256. Complete slice 130 x 175 mm. Exterior of mass on edges. One face polished, showing three sections of troilite. The largest 20 mm. in diameter, surrounded by graphitic carbon and this by schreibersite. Also numerous small patches and strings of schreibersite. Other face etched, showing well-defined Widmanstätten figures, composed of very broad plates. 1,899 grammes End piece 26 x 110 x 170 mm. Back shows exterior of mass of a reddish-brown color. Face etched, with characters similar to above. 2,143 grammes	4,042
132	1873 Found	Ssyromolotovo, Kishma, Jenisseisk, Asiatic Russia. Described, Göbel, 1874, Bull. Ac. Imp. des Sc. de St. Petersb., Vol. 19, pp. 544-554.	3

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
133	1869 Found	Small fragment 11 x 17 mm. Crust on one side. Face etched, showing well-marked Widmanstätten figures. Staunton, Augusta County, Virginia. Described, Mallet, 1871, Am. Jour. Sci., Ser. 3, Vol. 2, pp. 10-15. Section of slice 115 x 145 mm. Crust on two edges. One face polished, other etched, showing sharp, well-defined Widmanstätten figures. 592 grammes End piece 36 x 100 x 145 mm. Back crust. Face etched, characters similar to above. 1,702 grammes Planer shavings. 70 grammes	2,364
134	1840 Found	Tarapaca Desert, Hemalga, Chili, South America. Described, Greg, 1855, Phil. Mag., Ser. 4, Vol. 10, pp. 12-14. Section of slice 15 x 18 mm. Exterior of mass on all edges but one; etched face shows no Widmanstätten figures. 7 grammes A section 11 x 18 mm. Exterior of mass on three edges, other fractured surface. This iron is entirely different from the one mentioned above, and is described as being known in 1894. The etched face shows indistinct Widmanstätten figures which are generally outlined by small cracks or fissures. 18 grms.	25
135	1853 Found	Tazewell, Claiborne County, Tenn. Described, Smith, 1854, Am. Jour. Sci., Ser. 2, Vol. 17, p. 131. Rectangular slab 23 x 45 mm. Crust on one end and portion of back. One face and one edge polished. One face and two edges etched, showing most beautiful, minute Widmanstätten figures, with a few very small troilite sections. 82 grammes A mass 20 x 44 x 70 mm. Portion showing exterior of mass; rest cleavage surfaces with bright plates of taenite. 197 grammes	279
136	1860 Found	Tennessee, Cleveland, Bradley County, Tennessee. Described, Shepard, 1866, Am. Jour. Sci., Ser. 2, Vol. 43, pp. 251. A rectangular slice 29 x 56 mm. Crust on one edge. One face etched, showing well-marked Widmanstätten figures.	76

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
137	1886 Found	<p>Thunda, Windorah, Diamantina District, Queensland, Australia.</p> <p>Described, Liversidge, 1886, Jour. and Proc. Roy. Soc. of New South Wales, Vol. 20, pp. 73, 285.</p> <p>Rectangular slice 59 x 84 mm. Crust on one edge. Face etched, showing characteristic Widmanstätten figures, with some laphamite lines. Section of troilite 23 mm. in diameter, in one corner. 181 grammes</p> <p>End piece 90 x 125 mm. Crust on back. Face etched, showing characters similar to above. (Now being cut.) 1,000 grammes</p>	1,181
138	1895 Found	<p>Thurlow, Ontario, Canada.</p> <p>End piece 33 x 37 x 83 mm. Crust and characteristic pittings on back. Face etched, showing rather fine, well-marked Widmanstätten figures. With a few irregular-shaped troilite sections on face.</p>	209
139	1784 Found	<p>Toluca, Mexico.</p> <p>Described, Del Rio, 1804, Tablas Mineralogicas, 1804, p. 57.</p> <p>Complete individual 26 x 48 x 60 mm. Ends and corners much flattened by being used prehistorically as a pounder. 416 grammes</p> <p>Complete individual 40 x 50 x 63 mm. Ends rounded from same cause as above. 541 grammes</p> <p>Complete individual 49 x 65 x 72 mm. Ends rounded, similar to above. 670 grammes</p> <p>Complete individual 86 x 92 x 112 mm. Ends rounded, similar to above. 2,687 grammes</p> <p>Complete mass 69 x 86 x 235 mm., showing characteristic deep pittings. 5,825 grammes</p> <p>Complete mass 90 x 93 x 200 mm., similar to above. 8,271 grammes</p> <p>Complete mass 120 x 210 x 270 mm., similar to above. 19,249 grammes</p> <p>End piece 40 x 54 x 115 mm. Back shows exterior of mass with usual pittings. Face etched, showing well-marked, characteristic Widmanstätten figures, and one section of troilite 17 mm. in diameter. 619 grms.</p> <p>End piece 51 x 55 x 90 mm. Back exterior of mass. Face etched, showing beautifully-curved, octahedral Widmanstätten figures. 900 grammes</p>	60,655

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		<p>End piece 55 x 16 x 170 mm. Back exterior of mass with numerous, well-defined pittings. Face etched, showing prominent Widmanstätten figures, and 9 sections of troilite, the largest 40 mm. in diameter.</p> <p>4,610 grammes</p> <p>End piece 100 x 175 x 390 mm. Face etched, with characters as above, showing four large troilite sections, the largest a stringy mass 160 mm. in length.</p> <p>16,329 grammes</p> <p>Complete slice 77 x 83 mm. Crust on edges. Etched face, showing prominent Widmanstätten figures.</p> <p>103 grammes</p> <p>Complete slice 123 x 130 mm. One face polished, other etched, showing characters similar to above, with several small and two large sections of troilite.</p> <p>435 grammes</p>	
140	1886 Found	<p>Tonganoxie, Leavenworth County, Kansas.</p> <p>Described, Snow, 1891, Science, Jan. 2, 1891.</p> <p>Complete slice 85 x 140 mm. Crust on edges. Face etched, showing well-defined Widmanstätten figures. 350 grammes</p> <p>End piece 20 x 65 x 92 mm. Back crust. Face etched, with characters similar to above. 359 grms</p>	709
141	1891 Found	<p>Toubil, d' Jenisseisk, Russia.</p> <p>Described, Khloppuni, 1898, Cole des Mines, St. Petersburg.</p> <p>End piece 37 x 41 x 55 mm. Back crust. One face, one end etched, showing typical Widmanstätten figures.</p>	330
142	1858 Found	<p>Trenton, Washington County, Wisconsin.</p> <p>Described, Döerflinger, 1868, Smithsonian, Rep. for 1869, pp. 417-419.</p> <p>Rectangular section of slice 32 x 55 mm. Crust on two edges. Face etched, showing well-marked Widmanstätten figures and characteristic laphamite lines.</p>	51
143	1851 Recognized	<p>Tucson (Signet), Arizona.</p> <p>Described, Le Conte, 1852, Am. Jour. Sci., Ser. 2, Vol. 13, pp. 289, 290.</p> <p>Complete slice 112 x 185 mm. Crust on edges. One face polished, showing many small pores.</p>	416

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
144	1853 Found	Union County, Georgia. Described, Shepard, 1854, Am. Jour. Sci., Ser. 2, Vol. 17, p. 328. Small oxydized fragments.	2
145	1871 Found	Victoria, Saskatchewan River, Iron Creek, B. A. Described, Coleman, 1886, Proc. and Trans. Roy. Soc. of Canada, 1887, Vol. 4, Sec. 3, p. 97. Complete slice 61 x 110 mm. Crust on edges. Face etched, showing very large, well-defined Widmanstätten figures.	253
146	1887 Described	Waldron Ridge, Claiborne Co., Tennessee. Described, Kunz, 1887, Am. Jour. Sci., Ser. 3, Vol. 34, pp. 475, 476. End piece 19 x 75 x 95 mm. Back exterior of mass. Face etched, showing large, striking Widmanstätten figures.	430
147	1888 Found	Welland, Ontario, Canada. Described, Howell, 1890, Proc. Rochester Acad. of Sci., Vol. 1, pp. 86, 87. Complete section, crust on edges. Face etched, showing well-marked Widmanstätten figures, with an abundance of laphamite lines and a few small flakes of schreibersite.	162
148	1876 Found	Werchne Dneprowsk, Ekaterinoslaw, Rus. Described, Brezina, 1885, Wiener Sammlung, pp. 208, 233. Section of slice 20 x 39 mm. Entirely oxydized, of a reddish-brown color. Face polished, showing a few minute troilite sections.	509
149	1854 Found	Werchne-Udinsk, Niro River, Russia. Described, Rose, 1863, Meteoriten, pp. 65, 153. Section of slice 35 x 41 mm. Crust on one edge. Both faces etched, showing well-defined Widmanstätten figures, with several veins filled with graphitic carbon. 75 grammes Section of slice 25 x 37 x 39 mm. Exterior of mass. on two edges. Four faces etched, characters similar to above. 220 grammes	295

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
150	1836 Found	Wichita County, Brazos River, Texas. Described, Shumard, 1860, Trans. Acad. of Sci., St. Louis (1856-60), Vol. 1, pp. 622, 623. Section of slice 160 x 170 mm. Crust on all but one edge. Face etched, showing most beautiful Widmanstätten figures, with the separate plates marked by fine Neumann lines. It also contains seven large troilite sections, some of them in long, stringy masses, generally surrounded by schreibersite. There are also numerous flakes and patches of schreibersite scattered over the face.	902
151	1858 Found	Wooster, Wayne County, Ohio. Described, Smith, 1864, Am. Jour. Sci., Ser. 2, Vol. 38, pp. 385, 386. Fragment 14 x 16 mm. Crust on back. Face etched, showing Widmanstätten figures.	5
152	1884 Found	Youndegin, 70 miles east of York, Western Australia. Described, Fletcher, 1887, Mineral. Magaz., Vol. 7, pp. 121-130. Complete section 73 x 165 mm. Crust on edges. One face polished, other etched, showing well-defined Widmanstätten figures, with large plates, the separate plates marked by fine Neumann lines. Also one section of troilite 45 mm. in diameter, surrounded by schreibersite.	569
153	1792 Known	Zacatecas, Mexico. Described, Gazeta de Mexico, 1792, Vol. 5, No. 7, del Martes 3 de Abril de 1792, p. 58. Section of slice 32 x 34 mm. One face polished, other etched, showing Widmanstätten figures. 63 grammes Triangular section of slice 35 x 50 mm. Two edges and back crust. Face and one edge etched, showing Widmanstätten figures. 95 grammes	158

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
MISCELLANEOUS.			
		Troilite. Nodule 18 x 19 x 37 mm. Face polished, showing bronze-colored interior of this sulphide of iron, so abundant in most siderites.	29
		Schreibersite. Bronze-colored grains in vial. This phosphide of iron was extracted from the Sao Juliao meteorite, but it is likewise abundant in many other siderites.	189
TERRESTRIAL.			
1870 Found		Ovifak, Disko Island, West Greenland. Described, Nordenskiöld, 1872, Geol. Mag., 1872, Vol. 9, p. 460. Mass 24 x 36 x 50 mm. Basalt, showing grains of native iron and chryolite nodules. 50 grammes Slice 60 x 130 mm. Two faces polished, showing a granulated surface of this native iron. 346 grammes End piece 25 x 62 x 110 mm. Face polished, showing native iron with a few inclusions of basalt. 817 grammes	1,213

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
II. SIDEROLITES.			
Or Iron-stone Meteorites.			
154	1810 Found	Brahin, Minsk, Russia. Described, Langier, 1817, Mém. du Mus., Vol. 6. A mass 12 x 17 x 22 mm. One face shows exterior of iron. Two faces polished and etched, showing a coarse, spongy mass of iron, whose more or less rounded cavities are filled with olivine of a brownish-yellow color. The metallic part, showing fine Neumann lines, with inclusions of troilite surrounded by schreibersite, as well as small flakes of schreibersite.	11
155	1890 Found	Brenham, Kiowa County, Kansas. Described, Kunz, 1890, Am. Jour. Sci., Ser. 3, Vol. 40, p. 312. A complete slice 80 x 122 mm., with exterior of mass on edges. This slice is a portion of the so-called "Haviland meteorite." One portion of the slice, 80 x 90 mm., is of the siderite type, showing beautifully large, clear Widmanstätten figures, with an abundance of distinct, sharp, laphamite lines, and a few very minute troilite sections. The opposite end of slice is a typical siderolite. A coarse sponge of iron, with the rounded cavities filled with olivine and bronzite, olivine predominating. 411 grammes A mass 53 x 57 x 84 mm. A sponge-like mass of iron, with light-yellow olivine filling the cavities. Two faces exterior of mass, one a polished surface, another a torn, hackeled surface. In bulk about an equal portion of iron and olivine. The iron etched, shows Widmanstätten figures, with cross sections of troilite nodules and small plates and patches of schreibersite. 770 grammes A slice 165 x 365 mm. Exterior of mass on three edges. Both faces polished. Character similar to above. 3,100 grammes End piece 75 x 160 x 310 mm. Back and edges exterior of mass. Face polished, character similar to above. 9,355 grammes	13,636

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
156	1887 Found	<p>Crab Orchard, Rockwood, Tennessee.</p> <p>Described, Whitfield, Am. Jour. Sci., Ser. 3, Vol. 34, pp. 387-390.</p> <p>End piece 48 x 72 x 100 mm. Portion of back shows exterior of mass, balance fractured surface. Face polished, showing a nearly equal proportion of iron and stony matter. The iron grains are small and evenly distributed except for three large nodules, one of which is 12 mm. in diameter, showing well-marked Widmanstätten figures. The stony part is mainly anorthite, enstatite and olivine. 603 grammes</p> <p>Complete slice 170 x 250 mm. Exterior of mass on edges. Both faces polished, having a brecciated appearance, from the numerous large angular patches of stony matter scattered through the fine meshwork of iron. Also several good-size nodules of iron up to 14 mm. in diameter, which show Widmanstätten figures. 1,925 grammes</p>	2,528
157	1888 Found	<p>Doña Inez, Atacama, Chili, S. A.</p> <p>Described, Howell, 1890, Proc. Rochester Acad. of Science, Vol. 1, pp. 93-98.</p> <p>Complete mass 22 x 28 x 36 mm. Of a rusty-brown color, with several fissures or cracks extending over the surface. 43 grammes</p> <p>A mass 43 x 48 x 67 mm., similar to above with the exception that it has numerous spots of green mould over the surface. 227 grammes</p> <p>A mass 49 x 53 x 58 mm., similar to above. 269 grammes</p> <p>Slice 26 x 52 mm. Both faces polished, showing a network of iron in small grains, distributed through a dark-brown stony matrix, which largely predominates. Three iron nodules, from 5 to 8 mm. in diameter, show delicate Widmanstätten figures. 22 grammes</p> <p>Slice 32 x 60 mm. Both faces polished, character similar to above. 24 grammes</p>	585
158	1880 Found	<p>Eagle Station, Carroll County, Kentucky.</p> <p>Described, Kunz, 1887, Am. Jour. Sci., Ser. 33, Vol. 33, pp. 228-232.</p> <p>A rectangular section of slice 39 x 66 mm. Face polished, showing a sponge-like mass of iron, enclosing nodules of fine, yellow, transparent olivine, some</p>	96

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
159	1879 Fell May 10	<p>of them 15 mm. in diameter. The iron, constituting about one quarter of the slice, on etching, brings out small, fine Widmanstätten figures with numerous patches of schreibersite.</p> <p>Estherville, Emmet County, Iowa.</p> <p>Described, Peckham, 1879, Am. Jour. Sci., Ser. 3, Vol. 18, pp. 77, 78.</p> <p>Nine nodular masses, mostly iron, from 14 to 22 mm. in diameter. 72 grammes</p> <p>Same as above, 39 mm. in diameter. 21 grammes</p> <p>Rectangular slab 41 x 113 mm. Face polished, showing a greenish-black groundmass of olivine, with iron in nodules and flakes scattered through it. One nodule of iron is 28 mm. in diameter and shows well-marked Widmanstätten figures. Slice contains also rounded masses of peckhamite. 490 grammes</p>	583
160	1856 Found	<p>Hainholz, Minden, Westphalia.</p> <p>Described, Wöhler, 1857, Pogg. Ann., Vol. 100, pp. 342-345.</p> <p>End piece 18 x 24 x 46 mm. Back shows partly exterior of mass, and a fractured surface. Face polished, showing a brownish magma, mainly of olivine and bronzite, through which is scattered irregular grains and semi-spongiform masses of iron. The silicates predominate.</p>	43
161	1887 Found	<p>Hamblen County, Morristown, Tennessee.</p> <p>Described, Eakins, 1893, Am. Jour. Sci., Ser. 3.</p> <p>Complete slice 71 x 150 mm. Crust on edges. Both faces polished, showing a greenish-black magma, principally enstatite, diallage and anorthite, through which the iron is scattered in small, round blebs and one or two nodules, the largest of which is 30 mm. in diameter. This nodule etched shows somewhat indistinct Widmanstätten figures, due to the number of small spots of the silicates scattered through it. 648 grms.</p> <p>End piece 40 x 100 x 120 mm. Back and sides show partly crust, and partly fractured surface. Face polished, characters similar to above. 1,091 grammes</p>	1,739
162	1822 Known	<p>Imilac, Atacama, Bolivia.</p> <p>Described, Allan, 1828, Edinburgh Phil. Trans., Vol. 11, pp. 223-226.</p>	181

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		<p>A rectangular section of slice 15 x 22 x 53 mm. One end shows exterior of mass, balance polished, showing a sponge-like mass of iron holding grains of olivine of a brownish-yellow color. The metallic portion showing Widmanstätten figures. 63 grammes</p> <p>A rough mass 16 x 39 x 65 mm. A sponge-like mass, principally iron, most of the olivine filling having decomposed and dropped out. 118 grammes</p>	
163	1888 Found	<p>Llano del Inca, Atacama, Chili.</p> <p>Described, Howell, 1890, Proc. Rochester Acad. of Sci., Vol. 1, pp. 93-98.</p> <p>A complete mass 22 x 25 x 34 mm., of a rusty-brown color. 21 grammes</p> <p>A slice 20 x 26 mm. Two faces polished, showing dark-brown magma with grains of metallic iron scattered through it. 16 grammes</p> <p>End piece 15 x 27 x 41 mm. Back exterior of mass. Face polished, characters similar to above. 28 grms.</p> <p>End piece 16 x 31 x 31 mm. Similar to above. 28 grammes</p>	93
164	1868 Fell Oct. 1st	<p>Lodran, Mooltan, Punjaub, India.</p> <p>Described, Oldham, 1869, Rec. Geol. Surv., India, Vol. 2, part 1, pp. 20, 34.</p> <p>Three fragments of an irregular network of iron, the meshes of which contain small crystals and nodules of olivine and bronzite.</p>	2
165	1749 Found	<p>Medwedewa (Pallas Iron), Krasnojarsk, Jeniseisk, Russia.</p> <p>Described, Pallas, 1776, Reise d. versch. Prov. d. russ. Reichs., St. Petersburg, 1776, part iii, p. 411.</p> <p>An end piece 34 x 60 mm. A spongy mass of iron, the back a rough, jagged surface with the olivine nodules fallen out. Face polished, with the rounded cavities filled with a bright yellow olivine. The iron, when etched, shows small Widmanstätten figures with numerous irregular patches of troilite surrounded in part by schreibersite. 49 grammes</p> <p>A spongy, ragged mass 28 x 53 x 54 mm., with much of the olivine fallen out. 152 grammes</p>	201

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
166	1857 Found	<p>Mincy, Taney County, Missouri.</p> <p>Described, Kunz, 1837, Am. Jour. Sci., Ser. 3, Vol. 34, pp. 467-471.</p> <p>A section 170 x 335 mm. Exterior of mass on three edges. Face polished, showing a network of iron, with the pores filled with enstatite and chrysolite nodules, some of the latter 53 mm. in diameter. The larger grains of iron, when etched, show small, rather indistinct Widmanstätten figures, with an occasional flake of schreibersite.</p>	2,152
167	1833 Found	<p>Rittersgrun, Erzgebirge, Saxony.</p> <p>Described, Breithaupt, 1861, Zeitsch. deutsch. geol. Gesell., Vol. 13, p. 148.</p> <p>Section of slice 32 x 44 mm. One face polished, other etched, showing a network of iron, enclosing bronzite and olivine grains, the iron showing well-marked Widmanstätten figures with occasional sections of troilite.</p>	28
168	1861 Known	<p>Vaca Muerta, Atacama, Chili.</p> <p>Described, Domeyko, 1862, Comptes Rendus, Vol. 55, pp. 873, 874.</p> <p>Complete slice 41 x 80 mm. Crust on edges. Face polished, showing a semi-sponge-like mass of iron, with occasional nodules through an amorphous ground-mass, containing an occasional large nodule of chrysolite. The iron, when etched, shows well-defined Widmanstätten figures. 112 grammes</p> <p>A complete slice 71 x 116 mm. Similar to above. 171 grammes</p>	283
169	1880 Fell Feb.	<p>Veramin (Karand), Teheran, Persia.</p> <p>Described, Diezsch, Berg-u. Hütterm. Zeitg., Vol. 40, p. 100.</p> <p>A mass 11 x 11 x 21 mm. Back fractured surface. Face polished, showing network of iron containing nodules of olivine and other silicates. Also one nodule of iron 15 mm. in diameter, showing Widmanstätten figures. 9 grammes</p> <p>A mass 12 x 15 x 32 mm. Similar to above. 13 grammes</p> <p>End piece 54 x 100 x 103 mm. Back shows crust with prominent pittings. One face sawed, the other polished, characters similar to above, with the exception that there are no large nodules of iron visible. 915 grammes</p>	1,037

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
III. ÆROLITES.			
Or Meteoric Stones.			
170	1814 Fell Sept. 5	Agen, Lot-et-Garonne, France. Described, M. de Saint-Amans, and M. Thiébaud de Berneaud, Sept. 17th, 1814, Ann. Chim., Vol. 92, pp. 25-32. A fragment 16 x 21 x 30 mm. One edge shows a very black, thick, granulated crust, balance fractured surface of an ash-grey color, with white chondri and metallic grains scattered through it, and transversed by blackish veins. 11 grammes A mass 17 x 25 x 39 mm., similar to above. 29 grammes	40
171	1806 Fell March 15	Alais, Gard, France. Described, Pagès and Dhombres-Firmas, 1806, Jour. Phys., Vol. 62, pp. 440-442. Coarse brown-black powder.	5
172	1766 Fell July	Albareto, Modena, Italy. Described, Troili, 1766, Della caduta di un sasso dall'aria, Modena. A fragment 10 x 11 x 19 mm., showing interior of stone of a grey color with many chondri, giving it a strongly oolitic structure, with minute grains of iron and a few olivine nodules scattered through it.	3
173	1835 Fell Aug. 4	Aldsworth, near Cirencester, Gloucestershire, England. Described, Greg, 1854, Catalogue, Philos. Magaz., Vol. 4, No. 8, p. 460. A fragment 7 x 10 x 20 mm., showing interior of stone, dark grey in color, with numerous chondri, and flecked with small grains of iron.	2
174	1873 Fell about	Aleppo, Syria. Described, Brezina, 1893, Ueber neuere Meteoriten (Nürnberg), p. 159. A fragment 11 x 17 x 26 mm. Of a light grey color,	19

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		transversed by dark veins, and containing numerous iron grains and many rusty brown spots. 9 grammes Another 13 x 21 x 25 mm., similar to above. 10 grammes	
175	1883 Fell Feb. 16	Alfanello, Brescia, Italy. Described, Bombicci, 1883, Reale Accademia dei Lincei, 1882-83, p. 11. A fragment 28 x 36 x 83 mm. Of a pale-grayish, white color, with finely crystalline surface thickly sprinkled with bright grains of iron and rusty brown spots. One surface shows thick, granulated crust of a brownish-black color. 86 grammes A mass 72 x 87 x 92 mm. Interior of stone. Character similar to above. 770 grammes	856
176	1899 Fell July 10 8 a. m.	Allegan, Allegan County, Michigan. To be described. Internal fragment 24 x 48 x 55 mm. A very fine, friable, light-grey groundmass, filled with numerous chondri of a much darker color and sprinkled with bright, silvery grains of metallic iron.	85
177	1895 Fell May 27	Ambapur Nagla, Sikandra Rao Tahsil, Aligarh District, N. W. Provinces, India. A fragment 11 x 17 x 20 mm. One face showing thick granulated crust of a greyish-black color. Interior strongly chondritic, of a very dark-grey color, thickly flecked with metallic grains and small, rusty spots.	4
178	1822 Fell June 3	Angers, Maine-et-Loire, France. Described, Gilbert, 1822. Fragment from interior 11 x 16 x 27 mm. Light grey in color, thickly strewn with bright metallic grains and minute rusty spots.	6
179	1879 Fell January	Angra dos Reis, Rio de Janeiro, Brazil. Described, Tschermak, 1885, Sitzber. Wien. Akad., Vol. 92, Part I, p. 110. A fragment 8 x 10 mm., of a dark, brownish-black color, showing an olivine base with inclusions of moncellite.	1

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
180	1805 Fell Nov.	Asco, Corsica. Described, Partsch, 1843, Meteoriten, p. 64. Fragment 11 x 12 x 21 mm. One end with very black, thick, granulated crust. Balance interior, of light grey color, thickly impregnated with bright iron grains, with one mass of troilite 9 mm. in diameter.	5
181	1886 Fell May 24	Assisi, Perugia, Italy. Described, Bellucci, 1887, Tipografia di Vincenzo Santucci, Perugia, 1887, 8 Seiten. Interior fragment 6 x 11 x 15 mm. Very chondritic, of a clear, grey color, with many rusty-brown spots and numerous grains of bright iron.	1.5
182	1836 Fell Sept. 14	Aubres, Nyons, Drôme, France. Described, Gregory, 1887, Geol. Mag. (3) IV, Nr. 12. Fragment showing brecciated structure with whitish groundmass.	3
183	1842 Fell June 4	Aumières, Lozère, France. Described, de Malbos, 1842, Comptes Rendus, Vol. 14, pp. 917, 918. A fragment 20 x 20 x 31 mm. A brownish-black granulated crust on one end. Balance interior, of light grey color, with silvery specks of iron and small, yellowish-brown, rusty spots.	19
184	1858 Fell Dec. 9	Ausson, Haute Garonne, France. Described, Petit, 1858, Comptes Rendus, Vol. 47, pp. 1053-1055. Interior fragment 31 x 46 x 52 mm. Light grey groundmass, with numerous darker colored chondri, bright metallic iron, and rusty iron particles scattered through it.	183
185	1856 Fell June	Avilez, Durango, Mexico. Described, Wöhler, 1867, Gött. Gel. Anz., pp. 57, 58. Fragment 15 x 18 x 21 mm. Brownish-black crust on one edge. Balance interior, of a dark grey color and a strongly chondritic structure.	6
186	1814 Fell Feb. 15	Bachmut, Ekaterinoslav, Russia. Described, Giese, 1815, Gilb. Ann., Vol. 50, pp. 117, 118. Rectangular fragment 10 x 26 x 40 mm. Black,	26

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
		granulated crust on one end. One face polished, showing a compact, light grey groundmass flecked with numerous bright specks of iron surrounded by a yellowish brown stain, and many cross sections of chondrules.	
187	1871 Fell Dec. 10	Bandong, Java. Described, Everwijn, 1872 Jaarboek van het Mynwezen in Nederlandsch, Ost India, Deel 2, p. 197. A fragment 12 x 30 x 31 mm. Two sides showing black crust, with small characteristic pitting. Balance interior, of a dark grey color and brecciated structure, with numerous small rusty specks of iron and several small nodules of pyrrhotite.	17
188	1790 Fell July 24	Barbotan, Landes, France. Described, Bertholon, 1790, Journ. des Sc. utiles, Nr. 23 und 24, p. 305. End piece 12 x 25 x 40 mm. Back crust, of a black color mingled with a dark yellow rust. Face fractured surface, of a mottled light and dark grey color, with many chondri and rusty specks of iron.	14
189	1892 Fell Aug. 29	Bath, South Dakota. Described, Foote, 1893, Am. Jour. Sci., Ser. 3, Vol. 45, p. 64. A section 53 x 115 x 140 mm. A greyish black crust on two edges, showing large, well-defined pittings, one edge a broken surface, two a sawed surface, and the face polished, showing a groundmass of light grey color thickly besprinkled with bright silvery specks of iron, cross sections of chondri, and small spots of yellowish brown rust. The face is also traversed by several small black veins, and two cracks or crevices.	1,744
190	1893 Fell May 26	Beaver Creek, West Kootenai District, British Columbia. Described, Howell, 1893, Science, July 21, 1893, p. 41. A fragment 36 x 39 x 53 mm. One face and part of end covered with a brownish black crust. Balance interior fractured surfaces, of a dark grey color much stained by yellowish brown rust. Is very chondritic in structure, with numerous grains of iron.	165

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
191	1798 Fell Dec. 19	Benares, Krakhut, India. Described, Howard, 1802, Philos. Trans., 1802, pp. 175-179. Fragments of a light grey groundmass filled with dark grey chondrules and specks of iron. One fragment shows thick, black granulated crust.	1
192	1811 Fell July 8	Berlanguillas, near Burgos, Spain. Described, Comte Dorsenne, 1811, Bibl. Brit., Vol. 48, pp. 162-164. Interior fragment 12 x 20 x 22 mm. One face polished, showing a very compact dark grey groundmass thickly spotted with iron grains and traversed by two small, dark veins.	9
193	1859 Fell Aug. 11	Bethlehem, near Albany, New York. Described, Shepard, 1859, Am. Jour. Sci., Ser. 2, Vol. 28, pp. 300-303. Interior fragment 12 x 12 mm. Dark grey color, flecked with iron grains.	1
194	1843 Fell March 25	Bishopville, Sumter County, S. Carolina. Described, Shepard, 1846, Am. Jour. Sci., Ser. 2, Vol. 2, p. 379, 384, 392. Interior fragment 15 x 19 x 25 mm. Light grey, with white nodules of the chladnite of Shepard. The whole resembling a partially decomposed silicate. 7 grammes Another 15 x 25 x 38 mm., characters similar to above, with the exception that one side is partially covered with a smooth, vitreous grey and white crust. 13 grammes	20
195	1887 Fell Jan. 1st	Bielokrynitschie, Zaslavl, Volhynia, Rus. Described, Agafonov, 1891, Trav. Soc. Nat. Pet., Vol. 21, p. 20. A fragment 18 x 19 x 25 mm. Two surfaces, showing a very black, granulated crust, with characteristic pittings; balance fractured surfaces of a yellowish brown color, due to the stains from the iron grains abundantly scattered through it. 21 grammes A fragment 21 x 28 x 35 mm. Crust showing on one side. One face polished, balance fractured surfaces. The groundmass is of a light grey color covered with small yellow rust spots, and specks of bright iron. Also numerous dark grey chondri scattered through it. 29 grammes	50

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
196	1833 Fell Nov. 25	Blansko, Brünn, Moravia, Austria. Described, v. Reichenbach, 1834, Neues Jahrbuch für Mineralogie, Geologie, etc., 1834, pp. 125-126. Fragment showing brecciated structure.	1
197	1878 Found about	Bluff, 3 miles south-west of La Grange, Fayette County, Texas. Described, Whitfield and Merrill, 1888, Am. Jour. Sci., Ser. 3, Vol. 36, pp. 113-119. A complete slice 305 x 460 mm. With exterior of mass on edges, of a reddish brown color. One face sawed, other polished, showing a dark, compact, greenish grey groundmass filled with small chondri and thickly scattered metallic grains. The face is also traversed by numerous black veins ranging from 1 to 9 mm. in width. 5,556 grammes A complete slice 275 x 555 mm. Characters similar to above, with the exception that there are a greater number of the black veins. 8,618 grammes	14,174
198	1808 Fell April 19	Borgo San Donino, Cusignano, Parma, Italy. Described, Guidotti, 1808, "Encyclopédie," Vol. 5, 1808, pp. 596-602. Interior fragment 8 x 11 mm. Of a dark grey color, showing numerous metallic grains.	1
199	1894 Fell May 9	Bori, Badnúr, Betul District, Central Provinces, India. Described, Brezina, 1895, Wiener Sammlung, p. 248. A fragment 54 x 55 x 77 mm. A greyish black crust on two edges. Fractured surfaces show light grey groundmass with numerous, small, yellowish brown spots and bright metallic grains.	497
200	1852 Fell Oct. 13	Borkut, Marmoros, Hungary. Described, Leydolt, 1856, Sitzber. Wien. Akad., Vol. 20, 1856, II, pp. 398-406. Fragment 9 x 15 mm., of a dark grey color, highly chondritic, with numerous grains of iron.	1

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
201	1823 Fell	Botchetschki, Kursk, Russia. Described, Partsch, 1843, Meteoriten, p. 70. Interior slice 26 x 34 mm. Two faces polished, showing dark-brown, compact groundmass, flecked with bright metallic grains.	11
202	1855 Fell May 13	Bremervörde (Gnarrenburg), Province of Hanover, Germany. Described, Wöhler, 1855, Gött. gel. Anz. (Nachr.), 1855, p. 142. A fragment 12 x 19 x 32 mm. Black, granulated crust on one side. One end polished, balance fractured surfaces, of a light grey color, thickly flecked with bright, silvery grains of iron.	12
203	1863 Fell June 2	Buschhof, Courland, Russia. Described, Grewingk, 1863, Rigaer Zeitung, Nr. 127. Fragment 6 x 21 x 23 mm. A very black, thick crust on one edge. Balance fractured surfaces, of light grey color, thickly flecked with bright grains of iron. 5 grammes Interior fragment 13 x 21 x 21 mm. Characters similar to above. 9 grammes	14
204	1870 Fell Aug. 18	Cabezo de Mayo, Murcia, Spain. Described, D. Juan de Velasco, 1870, El Tiempo, Nr. 247, vom. 20 Okt., 1870. Interior fragment 10 x 12 mm. Compact and light grey in color, flecked with numerous bright metallic grains.	1
205	1866 Fell Dec. 6	Cangas de Onis, Asturias, Spain. Described, Römer, 1873, Geologische Reisenotizen aus der Sierra Morena, N. J. 1873, p. 257. Two interior fragments 7 x 17 and 10 x 14 mm. Groundmass dark grey, with numerous small rusty spots, and bright grains of iron.	1
206	1846 Fell Aug. 14	Cape Girardeau, Missouri. Described, Dana and Penfield, 1886, Am. Jour. Sci., Ser. 3, Vol. 32, pp. 229, 230. A fragment 17 x 20 x 29 mm. Greyish black crust on one end. Balance fractured surfaces, of a light grey color, thickly sprinkled with small, rusty brown spots and bright iron grains.	18

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
207	1874 Fell May 14	Castalia, Nash County, North Carolina. Described, Kerr, 1875, Rep. Geol. Surv., N. Carolina, Vol. I, App., p. 313. Interior fragment 22 x 25 x 32 mm. One half dark grey, with numerous light-colored grains; the other half light grey with occasional light-colored grains, both parts flecked with bright metallic grains. The light and dark halves of the specimen are divided by a sharp line at the plane of contact.	28
208	1840 Fell July 17	Cereseto, near Ottiglio, Alessandria, Piedmont, Italy. Described, Sismonda, 1840, Atti della seconda riunione degli scienziati Italiani tenuta in Torino nel Settembre del 1840. A fragment 15 x 18 x 32 mm. One end greyish-black crust. Balance fractured surfaces, groundmass very compact, bluish grey in color, thickly flecked with bright metallic grains and small nodules of troilite, one face very much darker in color with a slickenside effect.	10
209	1838 Fell June 6	Chandakapur, Berar, India. Described, Greg, 1854, Philos. Magaz. (4), Vol. 8, p. 460. Fragment 20 x 50 mm. Dull black crust on one edge. Two faces polished, showing a yellowish brown groundmass (due to iron stain), with a few light-grey spots filled with bright iron grains.	11
210	1812 Fell Aug. 5	Chantonay, Vendée, France. Described, Chladni, 1819, Vierte Fortsetzung, Gilb. Ann., Vol. 60, pp. 239, 247, 248. Interior fragment 20 x 40 x 42 mm. Very compact, nearly black groundmass, with metallic grains of iron. Some portions flecked with dark yellow spots.	46
211	1810 Fell Nov. 23	Charsonville, Meung, Loiret, France. Described, Moniteur, Dec., 1810, Auszug in Bibl. Brit., Vol. 45, Nr. 360, pp. 397-400. Internal fragment 15 x 26 x 34 mm. Light grey groundmass, with rusty brown spots, and a great abundance of bright metallic grains. Shows, also, a very narrow black vein completely penetrating and surrounding the specimen.	20

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
212	1815 Fell Oct. 3	Chassigny, Haute Marne, France. Described, Pistolet, 1816, Ann. Chim. Phys., Vol. I, pp. 45-48. Interior fragment 16 x 21 x 22 mm. Groundmass dark brownish yellow, with occasional small white flakes or crystals. Metallic iron not visible.	10
213	1841 Fell June 12	Château-Renard, Triguères, Loiret, France Described, Delavaux, 1841, Comptes Rendus, Vol. 12, pp. 1190, 1191. Fragment 16 x 17 x 33 mm. One end dull black crust. One face polished, showing grey groundmass, thickly flecked with bright iron grains and traversed by one or two small, minute, black veins. 15 grms. Interior fragment 26 x 28 x 41 mm. Characters similar to above, with the exception that it is traversed by many more of the minute black veins. 63 grammes	78
214	1838 Fell Oct. 13	Cold Bokkeveldt, Cape Colony. Described, Maclear and Watermeyer, 1839, Phil. Trans. Royal Soc., London, 1839, I, pp. 83-85. Fragment 6 x 24 x 24 mm. One side a very fine, granulated, dull black crust. Balance interior surface, dead black with white specks.	4
215	1890 Fell Feb. 3	Collescipoli, Terni, Italy. Described, Terenzi, 1890, Rivista di Scienze Naturali di S. Brogi, Anno X, Nr. 3. Interior fragment 13 x 14 x 18 mm. Groundmass bluish grey filled with iron specks and numerous darker grey chondrules.	5
216	1892 Fell May 24	Cross Roads, Wilson County, N. C. Described, Howell, 1893, Am. Jour. Sci., Ser. 3, Vol. 46, p. 67. A fragment 18 x 22 x 32 mm. Black, granulated crust on one side. Balance fractured surfaces, dark grey groundmass, thickly spotted with rusty brown spots, with occasional bright iron grains.	18
217	1877 Fell Jan. 23	Cynthiana, (9 miles from) Harrison County, Kentucky. Described, Smith, 1877, Am. Jour. Sci., Ser. 3, Vol. 14, pp. 224-229.	6

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		Fragment 6 x 12 x 18. One face brownish-black crust full of small round pittings. Groundmass of fractured surface a dull grey, with a few bright grains of iron. 2 grammes Fragment 9 x 18 x 21 mm. Crust on one edge with well-defined pittings. Other characters similar to above. 4 grammes	
218	1878 Fell Sept. 5	Dandapur, Goruckpur, India. Described, Meunier, 1884, Météorites, p. 209. Interior fragment 18 x 30 x 46 mm. Some faces sawed, others fractured surfaces. Groundmass a very light grey, with numerous small rusty brown spots and thickly flecked with bright iron grains. Some faces are traversed by minute dark veins.	65
219	1868 Fell March 20	Daniel's Kuil, Griqualand, South Africa. Described, Gregory, 1868, Geol. Magaz., Vol. 5, pp. 531, 532. Fragment 8 x 18 x 18 mm. One side black, granulated crust. Groundmass dark grey, fine grained, much stained with dark-brown rusty patches, and flecked with small, bright grains of iron.	5
220	1868 Fell Nov. 27	Danville, Morgan County, Alabama. Described, Smith, 1870, Am. Jour. Sci., Ser. 2, Vol. 49, pp. 90-93. Interior fragment 10 x 22 x 23 mm. Groundmass grey, intersected by a network of darker grey veins, with grains of iron and troilite sprinkled through it.	5
221	1829 Fell Aug. 14	Deal, near Long Branch, Monmouth Co., New Jersey. Described, Vaux and M'Euen, 1829, Trans. Acad. Nat. Sci., Phila., Vol. 16, p. 181. Interior fragment 6 x 10 mm. Very light grey color, thickly flecked with bright grains of iron and traversed by a fine, black vein.	1
222	1887 Fell Jan. 21	De Cewsville, Ontario, Canada. Described, Huntington, 1888, Proc. Amer. Acad. Arts and Sci., Vol. 23, p. 102. Interior fragment 8 x 10 mm. Light grey color with small, yellowish-brown spots, and thickly sprinkled with bright iron grains.	1

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
223	1860 Fell July 14	Dhurmsala, Kangra, Punjab, India. Described in a letter from Deputy Commissioner Dhurmsala to the Secretary to Government Punjab, July 30, 1860. Fragment 70 x 103 x 105 mm. One side brownish-black crust, deeply pitted. Fractured surface light grey, with rusty iron grains.	988
224	1884 Fell March 19	Djati-Pengilon, Java. Described, Verbeck and Retgers, 1886, <i>Jaarboek van het Mijnwezen Nederlandsch Oost-Indie Wetens. Ged.</i> , Vol. 15, pp. 145-171. Fragment 23 x 26 x 27 mm. Two surfaces sawn, one an old cleavage, balance fresh fractures. Groundmass dark grey, crystalline, with bright specks of iron.	28
225	1864 Fell June 26	Dolgovoli, Volhynia, Russia. Described, Heis, 1864, <i>Wochenschrift f. Astronomie</i> , 1864, p. 328. Interior fragment 13 x 15 x 27 mm. Light grey groundmass, thickly flecked with bright metallic grains.	7
226	1805 Fell April 6	Doroninsk, Irkutsk, Asiatic Russia. Described, Gilbert, 1808, <i>Gilb. Ann.</i> , Vol. 29, pp. 212, 213. Fragment 26 x 29 x 52 mm. Dull black crust, showing typical pittings on two faces. Groundmass light grey, with numerous small, yellowish brown spots, thickly sprinkled with bright iron grains,	53
227	1827 Fell May 9	Drake Creek, Nashville, Tenn. Described, Silliman, 1837, <i>Am. Jour. Sci.</i> , Ser. I, Vol. 17, pp. 326-328. Fragment 15 x 19 x 24 mm. Dull brownish-black crust on one side. Groundmass light grey, sprinkled with iron grains. Portion next to crust yellowish brown, from the oxidation of the numerous iron grains.	9
228	1492 Fell Nov. 16	Ensisheim, Elsass, Germany. Described, Sebastian Brand, 1492 (ein lateinisches Gedicht mit Uebersetzung).	37

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
		Fragment 24 x 29 x 40 mm. Dark greenish grey, with rusty spots of iron and small troilite nodules. One surface shows exterior of stone, showing partly crust and partly a calcareous deposit. One face a polished slickenside surface.	
229	1822 Fell Sept. 13	Epinal (La Baffe), Vosges, France. Described, Parisot, 1822, <i>Gilb. Ann.</i> , Vol. 72, pp. 323-327. Interior fragment 14 x 20 x 30 mm. Groundmass light grey, filled with dark grey chondrules and minute grains of iron.	12
230	1812 Fell April 15	Erxleben, Magdeburg, Prussia. Described, Hausmann and Vieth, 1812, <i>Gilb. Ann.</i> , Vol. 40, pp. 450-459. Fragment 8 x 18 x 22 mm. Dull black crust on one end. Groundmass dark greenish grey, very crystalline, and made up of siliceous grains, with a vitreous lustre and thickly sprinkled with fine metallic grains.	6
231	1890 Fell June 25	Farmington, Washington County, Kansas. Described, Snow, 1890, <i>Science</i> , July 18, 1890, Vol. 16, pp. 38, 39. Complete section 170 x 390 mm. Edges exterior of mass, showing the bead-like projections of metallic nodules which resisted fusion. Both faces polished, showing a greyish black compact groundmass, with numerous cross sections of light-colored chondrules, and thickly sprinkled with bright, silvery grains of iron. 3,185 grammes Complete slice 180 x 380 mm. Characters similar to above, with the exception that the polished faces show several delicate veins filled with metal. 3,568 grms.	6,753
232	1894 Fell April 9	Fisher, Polk County, Minn. Described, Winchell, 1894, <i>Am. Geol.</i> , Vol. 14, p. 389. A fragment 40 x 58 x 62 mm. One side and end covered with a thick, brownish black crust, showing numerous characteristic pittings. The groundmass is light grey, with numerous small, rusty, yellowish brown spots, from oxidation of the iron, and is flecked with bright iron grains and bronze-colored grains of troilite, in about the same proportion as the iron.	277

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
233	1890 Fell May 2	Forest, Winnebago County, Iowa. Described, Torrey and Barbour, 1890, Am. Jour. Sci., Ser. 3, Vol. 39, pp. 521, 522. Nearly complete stone 11 x 19 x 26 mm., coated with brownish-black crust. Where broken, shows a light grey groundmass, with numerous bright metallic grains, and yellowish-brown rust spots. 9 grammes Same as above, 14 x 17 x 23 mm. 12 grammes Entirely complete stone 12 x 20 x 25 mm. 13 grms. Entirely complete stone 16 x 16 x 29 mm. 14 grms. Entirely complete stone 18 x 21 x 24 mm. 17 grms. About half of a complete stone 64 x 85 x 120 mm., exterior of stone showing characteristic pittings. 1,002 grammes	1,067
234	1829 Fell May 8	Forsyth, Monroe County, Georgia. Described, Silliman, 1830, Am. Jour. Sci., Ser. 1, Vol. 18, p. 388. Interior fragment 15 x 19 x 21 mm. Groundmass brownish grey, with small scattered grains of iron.	7
235	1568 Fell Dec. 5	Frankfort, Franklin County, Alabama. Described, Brush, 1869, Am. Jour. Sci., Ser. 2, Vol. 48, pp. 240-244. Fragment 12 x 18 x 24 mm. One end shows black vitreous crust, with raised veins, like the markings left by the palm of the hand on an oily surface. Two faces sawed, other fractured. Groundmass very light grey, with grains of darker colored nodules and but few metallic grains.	7
236	1822 Fell Nov. 30	Futtehpur, North-west Provinces, India. Described, Tytler, 1822? in einer indischen Zeitschrift. Interior fragment 8 x 11 x 14 mm. Groundmass light grey, flecked with rusty-brown spots and bright metallic grains.	2
237	1897 Fell Sept. 15	Ghambat, Khaipur, India. Fragment 31 x 32 x 35 mm. Thick dull-black crust on one edge. Groundmass light grey, thickly spotted with small, rusty-brown spots and flecked with bright metallic grains. One face sawed, one polished, showing numerous cross sections of light-colored chondri, one of which is 6 mm. in diameter.	75

No.	Date of Fall or Find	DESCRIPTION.	Weight in grammes
238	1853 Fell Feb. 10	Girgenti, Sicily. Described, Greg, 1854, Catalogue, p. 460. Fragment 7 x 10 x 13 mm. Dull black crust on one face. Groundmass light grey, very fine grained, with bright metallic grains. 1 gramme Thin slice 16 x 24 mm. Both faces polished, characters similar to above with the exception of a heavy black vein across one end of the slice. 1 gramme	2
239	1868 Found	Goalpara, Assam, India. Described, Haidinger, 1869, Sitzber. Wien. Akad., Vol. 59 II, pp. 665-678. Two fragments 9 x 12 x 12 mm. and 6 x 11 x 16 mm. Both showing brown crust. Fractured surface curious blue-black mass of irregular grains loosely packed together. 2 grammes Slice 17 x 22 mm., both faces polished, characters similar to above. 2 grammes	4
240	1861 Fell June 28	Grosnaja, Banks of the Terek, Caucasus, Russia. Described, Rose, 1862, Mon. Ber. Berlin Akad., 1862, p. 186. Fragments in vial. Groundmass greenish black, with small light-colored spots scattered through it.	1
241	1881 Fell Nov. 19	Gross-Liebenthal, 12 miles S. S. W. of Odessa, Russia. Described, Daubr�e, 1884, Comptes Rendus, Vol. 98, pp. 323-324. Fragment 15 x 28 x 34 mm. One side covered with an extremely thick, dull, brownish-black crust. Interior very light grey, thickly sprinkled with bright iron and bronze-colored troilite grains; also traversed by one minute sharp black vein.	20
242	1841 Fell March 22	Gr�neberg, Heinrichsau, Prussian Silesia. Described, Pogg. Ann., 1841, Vol. 52, pp. 495, 496. Fragment 6 x 11 x 14 mm. Dull black crust on one side. Fractured surface dark grey, much stained with iron oxide, and flecked with small, bright, metallic grains.	1

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
243	1851 Fell April 17	Gütersloh, near Minden, Westphalia. Described, Dove, 1851, Mon. Ber. Berlin Akad., 1851, pp. 269, 270. Fragment. Interior grey, showing brecciated structure, with chondri and iron grains.	2
244	1847 Fell Feb. 25	Hartford, Linn County, Iowa. Described, Shepard, 1847, Am. Jour. Sci., Ser. 2, Vol. 4, pp. 288, 289. Fragment 23 x 35 x 36 mm. Dull black crust, showing pittings on one side. One face polished, balance fractured surfaces. Groundmass light grey, full of bright iron grains, and intersected with numerous black veins. 45 grammes Fragment 21 x 33 x 50 mm. One face crust, one polished, two sawed, and one a fractured surface. Groundmass darker than above, and shows no veins. 60 grammes	105
245	1857 Fell April 1	Heredia, San José, Costa Rica. Described, Harris, 1859, Dissert. Gött., pp. 99-100. Fragment 8 x 18 x 23 mm. Dull black granulated crust on two edges. Groundmass bluish grey, flecked with minute iron grains, and traversed by a small black vein.	5
246	1869 Fell Jan. 1	Hessle, near Upsala, Sweden. Described, Fahnehjelm, 1869, Oefversigt af Vetensk. Akad. Förhandl. Nro. I, pp. 59, 60. Nearly complete stone 28 x 29 x 43 mm. Entirely covered with a rather smooth black crust, showing typical pittings, with the exception of one corner that is slightly chipped, showing a light grey groundmass, thickly sprinkled with minute bright iron grains. 43 grammes Complete stone 43 x 56 x 60 mm., completely covered with crust, except a small fragment from one corner. 364 grammes	407
247	1804 Fell April 5	High Possil, near Glasgow, Scotland. Described, Tilloch, 1806, Gilb. Ann., Vol. 24, pp. 369-376. Interior fragment 9 x 19 mm. Light grey color with minute grains of iron.	2

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
248	1875 Fell Feb. 12	Homestead, West Liberty, Iowa Co., Iowa. Described, Hinrichs, 1875, Popular Sci., Sept., 1875. Nearly complete stone 125 x 150 x 175 mm., mostly covered with a dark-brown crust deeply pitted. One fractured surface is partially covered with a very thin skin-like crust, showing that the fracture occurred while close to the ground. Interior a dull grey, with iron grains sprinkled through the mass.	5,402
249	1825 Fell Sept. 27	Honolulu, Hawaii, Sandwich Islands. Described, Kotzebue, 1823-1826, Reise um die Welt in den Jahren 1823-24-25-26. Fragment 11 x 18 x 28 mm. One face covered with brownish-black crust. Interior very light grey, but intersected by a network of black, narrow veins. Bright grains of iron abundantly scattered through the mass. 6 grammes Fragment 11 x 24 x 32 mm. Crust on one edge, characters similar to above. 12 grammes	18
250	1877 Fell May 17	Hungen, Hesse, Germany. Described, Buchner, 1877, Mineralogische Mittheilungen, 1877, pp. 313-315. Fragment. Groundmass grey, flecked with iron grains.	1
251	1870 Fell June 17	Ibbenbüren, Westphalia, Prussia. Described, vom Rath, 1871, Verh. naturh. Ver. Bonn, Vol. 28, pp. 127, 128. Interior fragment 7 x 9 x 12 mm. Light yellowish grey, with only a few grains of iron visible.	2
252	1887 Fell April 7	Iharaota (Lalitpur), North-west Provinces, India. Described, Mallet, 1887, Rec. Geol. Surv., Vol. 20, pp. 153, 154. Fragment 6 x 9 x 12 mm. Dull black crust on two faces. Interior very light grey, flecked with small, bright metallic grains.	1
253	1891 Fell April 7	Indarch, Chonche, Elizawetpol, Russia. Described, Siemaschko, 1891, Catalogue de la Collection des Météorites de Julien de Siemaschko, St. Petersbourg, 1891, pp. 55, 56.	97

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
		Fragment 15 x 19 x 34 mm. Finely granulated black crust on one edge. Fractured surface black-grey, with scattered darker colored chondri, and minute grains of metallic iron. 13 grammes	
		Fragment 30 x 35 x 51 mm. Crust on one side, balance fractured surfaces with characters similar to above. 84 grammes	
254	1889 Fell Dec. 1	Jelica, Servia. Described, Döll, 1890, Verh. K. K. geol. Reichsanst., pp. 70, 77. Fragment 16 x 36 x 37 mm. Brownish-black crust with typical pittings. Groundmass light grey filled with dark-grey, angular fragments, giving it a strongly brecciated appearance. The whole sparsely flecked with bright grains of iron and bronze-colored troilite nodules. 37 grammes Fragment 22 x 35 x 38 mm. Crust on two faces, characters similar to above. 44 grammes	81
255	1873 Fell June	Jhung, Punjaub, India. Described, Meunier, 1884, Météorites, p. 231. Fragment 9 x 9 x 13 mm. Dark-brown crust on one side. Fracture light grey, with numerous specks of iron.	2
256	1819 Fell June 13	Jonzac, Charente Inférieure, France. Described, Chladni, 1819, Fünfte Fortsetzung, Gilb. Ann., Vol. 63, p. 24. Two fragments 7 x 11 x 18 and 9 x 16 x 16 mm. Both showing a black, vitreous crust with a curious veining like that formed by the palm of a hand on an oiled surface. Interior very light grey, the grains of iron scarcely perceptible.	5
257	1821 Fell June 15	Juvinas, near Libonnez, Ardèche, France. Described, 1821, Extrait d'une lettre de M. Jules de Malbos, cet extrait a été communiqué a l'Académie des Sciences, Ann. Chim. Phys., Vol. 17, pp. 434-439. Fragment 19 x 35 x 46 mm. Black vitreous crust on one edge. Groundmass dark grey, coarsely granular, with no metallic grains visible.	36

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
258	1840 Fell May 9	Karakol, Ajagus, Kirghiz Steppes, Russia. Described, Partsch, 1843, Meteoriten, p. 143. Fragment 11 x 14 x 20 mm. Crust brownish-black, much oxidized. Interior light grey, flecked with bright iron grains.	5
259	1897 Found	Kansada, Ness County, Kansas. To be described. A mass 68 x 115 x 125 mm. One face covered with a thick dark-brown crust. Two edges covered with thin crust, showing that the fractures or separation were made when near the ground. One end, one face polished, showing a dark-brown groundmass due to oxidation with large, prominent, irregular grey patches, the whole sparsely flecked with bright iron grains.	2,530
260	1869 Fell May 22	Kernouvé, Cléguérec, Morbihan, France. Described, de Limur, 1869, Comptes Rendus, Vol. 68, pp. 1338, 1339. Interior fragment 29 x 42 x 55 mm. Groundmass light grey, granulated, flecked with minute iron grains.	106
261	1850 Fell June 13	Kesen, Iwate, Japan. Described, Ward, 1893, Am. Jour. Sci., Ser. 3, Vol. 45, pp. 153-155. Interior mass 43 x 95 x 115 mm. One face polished, mottled surface of dark brown and light grey in about equal proportions, with numerous cracks and fissures, and sprinkled with bright iron grains. Back shows a decidedly slickenside effect. 610 grammes A mass 54 x 80 x 125 mm. One side coated with a coarsely granulated, dark-brown crust. Other characters similar to above minus the slickenside. 679 grammes	1,289
262	1873 Fell Sept. 23	Khairpur, 35 miles east of Bhawalpur, India. Described, The Pioneer, Sept., 1873. Slice 9 x 45 x 54 mm. Thin black crust on one end. One face sawed, other polished, showing dark colored compact groundmass, full of fine iron particles.	64

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
263	1867 Fell Jan. 19	Khetrie (Sankhoo, Phulee, etc.), Rajpootana, India. Described, Oldham, 1867, Catalogue from Calcutta, p. 8. Interior fragment 7 x 14 x 18 mm. Dark grey compact groundmass, sprinkled with minute grains of iron.	6
264	1862 Fell Oct. 7	Klein-Menow, Alt-Strelitz, Mecklenburg, Germany. Described, Pogg. Ann., 1862, Vol. 117, pp. 637, 638. Interior fragment 9 x 15 x 29 mm. Dull brown granulated groundmass, full of iron grains.	7
265	1843 Fell Sept. 16	Klein-Wenden, near Nordhausen, Erfurt, Prussia. Described, Pogg. Ann., 1843, Vol. 60, pp. 157, 158. Fragment 8 x 9 x 16 mm. Dull black crust on one side, one face polished, showing compact brownish-grey groundmass, thickly sprinkled with bright grains of iron.	2
266	1866 Fell June 9	Knyahinya, near Nagy-Berezna, Hungary. Described, Haidenger, 1866, Sitzber. Wien. Akad., Vol. 54 II, pp. 200-205. Nearly complete individual 56 x 100 x 135 mm., mostly covered by a dull brownish-black crust, with small typical pittings. One end slightly fractured, shows a dark-grey groundmass, flecked with bright grains of iron and bronze-colored troilite. 1,529 grammes End piece 69 x 135 x 150 mm. Back crust strongly pitted. Face polished, with dark-grey and brown groundmass, strewn with light-grey chondrules. The whole is flecked with bright metallic grains. Also a broad, deep fissure across one edge of face. 1,970 grammes	3,499
267	1871 Fell June 14	Laborel, Drôme, France. Described, Brezina, 1895, Wiener Sammlung, p. 249. Interior fragment 7 x 17 x 28 mm. Groundmass light grey, with many rusty-brown spots, sprinkled with iron grains.	5

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
268	1803 Fell April 26	L'Aigle, Orne, France. Described, Biot, 1803, Mém. de l'Institut, Vol. 7, p. 224. Fragment 29 x 34 x 40 mm. Dull brownish-black crust on three sides. Interior dark grey, filled with light grey chondri, the whole sparsely flecked with small iron grains. 73 grammes About one-half of complete stone 34 x 35 x 54 mm. Greater portion covered with smooth crust, showing typical pittings. Fractured surface similar to above, except that it is much less stained with iron. 95 grammes	168
269	1897 Fell June 20	Lancon, Bouches-du-Rhône, France. Described, Interior fragment 10 x 21 x 38 mm. Groundmass very light grey, flecked with bright metallic grains, small portion of one side showing slickenside effect.	10
270	1845 Fell Jan. 25	Le Pressoir, Louans, France. Described, Daubree, 1881, Comptes Rendus, Vol. 92, pp. 984, 985. Interior fragment 9 x 17 x 34 mm. Light grey, with small rusty yellow spots, and sprinkled with bright iron grains.	9
271	1857 Fell Oct. 1	Les Ormes, near Joigny, Yonne, France. Described, Séguier, L'Institut, 1857, Vol. 25, p. 363. Interior fragment 8 x 9 mm. Dark grey groundmass flecked with bright metallic grains.	1
272	1896 Fell April 13	Lesves, Namur, Belgium. Described, Fragment 20 x 37 x 37 mm. A dull brownish-black crust on two sides. Groundmass light grey, with small rusty-yellow spots, and sprinkled with bright grains of iron.	32
273	1813 Fell Sept. 10	Limerick, Adare, Ireland. Described, 1813, Gentleman's Magazine, p. 390. Nearly complete stone 25 x 30 x 35 mm. Smooth, dull, dark-brown crust. Interior dark grey, with iron grains thickly distributed.	52

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
274	1808 Fell Sept. 3	Lissa, Bunzlau, Bohemia. Described, v. Schreibers, 1808, <i>Gilb. Ann.</i> , Vol. 30, pp. 358-361. Fragment 8 x 9 x 14 mm. Dull black crust on one side. Interior light grey, with small, bright, metallic grains and traversed by dark-colored veins.	1
275	1820 Fell July 12	Lixna, Dünaburg, Vitebsk, Russia. Described, Meinecke, 1820, <i>Schweigg. Journ.</i> , Vol. 29, pp. 511-513. Fragment 27 x 32 x 60 mm. Dull black crust on one end. Groundmass light grey, sprinkled with bright iron grains. Slickenside effect on three sides, giving a lustrous steel-grey appearance.	62
276	1891 Found	Long Island, Phillips County, Kansas. Described, Weinschenk, 1895, <i>Mineralogische und Petrographische Mittheilungen</i> , Vol. 14, pp. 471-473. Fragment 47 x 65 x 67 mm. One face coated with dull black crust much stained with iron, giving it a brown appearance, with the typical elongated shallow pittings of this fall. Interior entirely coated with dark yellow rust from oxidation of the iron particles. 270 grammes Fragment 52 x 70 x 110 mm. Crust similar to above on one end. Fracture a mottled surface of light grey and dark yellowish brown, the brown predominating, thinly flecked with bright metallic grains. 800 grms. Fragment 42 x 100 x 135 mm. Two edges with the dull brown crust, one of them partly coated with aragonite. One face polished, showing a compact bluish-grey groundmass flecked with minute, bright, silvery, metallic grains. 1,016 grammes	2,086
277	1892 Described	Lujan, Villa Lujan, Argentine Republic. Described, Ward, 1892, <i>The Ward Collection of Meteorites</i> , p. 37. Fragment 10 x 12 mm. Dark-brown color, somewhat resembling limonite. Outer surface shows small pittings partly filled with yellowish-white aragonite. This meteorite was found in an undisturbed Quaternary formation at a depth of nearly six meters, and about 5 meters below a megatherium rib.	1

No.	Date of Fall or Find	DESCRIPTION.	Weight in grammes.
278	1869 Fell Oct. 6	Lumpkin, Stewart Co., Georgia. Described, Smith, 1870, <i>Am. Jour. Sci.</i> , Ser. 2, Vol. 50, p. 293. Slice 14 x 21 mm. Dull black crust on one side. Groundmass light grey, with dark grey fragments abundantly scattered through it. Sparingly flecked with bright iron grains.	3
279	1889 Fell April 3	Lundsgård, Ljungby, Sweden. Described, Svedmark, 1889, <i>Geol. Fören i Stockolm Förh.</i> , 1889, Vol. XI, pp. 245, 246. Fragment 17 x 30 x 33 mm. Dull black crust on two faces. Interior light grey flecked with bright metallic grains.	34
280	1813 Fell Dec. 13	Luotolax, Wiborg, Finland. Described, Scherer, 1815-'16, <i>Bull. Petersburg Akad.</i> Vol. 7. Fragments in vial. Light grey groundmass with numerous nodules of olivine. Sparingly flecked with iron grains.	1
281	1870? Fell	MacKinney, Collin County, Texas. Described, v. Hauer, <i>Ann. Hof-Mus.</i> , Vol. 10, p. 34. End piece 38 x 130 x 190 mm. Back showing exterior of mass, of a dark reddish-brown color. Face polished, groundmass black and very compact, thinly flecked with bright grains of iron and bronze-colored troilite nodules.	1,486
282	1886 Fell Nov. 10	Maêmê, Hislugari, Prov. Satsuma, Japan. Described, Clarke, 1888, <i>Am. Jour. Sci.</i> , Ser. 3, Vol. 35, p. 264. Complete stone 36 x 37 x 42 mm., entirely covered with a dark-brown crust and small but characteristic pittings. 85 grammes Fragment 38 x 38 x 47 mm. One face covered with dark-brown crust. Two with very thin crust, showing recent fracture. Balance fractured surfaces, groundmass light grey with numerous small, yellowish-brown rust spots, and thickly sprinkled with bright iron and bronze-colored troilite grains. Fractured surface traversed by a narrow dark vein which completely penetrates the stone. 159 grammes	244

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
283	1850 Found	Mainz, Hesse, Germany. Described, Seelheim, 1857, Jahrb. d. Ver. für Naturk. im Nassau, Heft 12, p. 405. Fragment 15 x 25 x 30 mm. One face polished, showing compact brown groundmass, somewhat sparingly speckled with bright metallic grains.	12
284	1879 Found	Makariwa, Invercargill, New Zealand. Described, Ulrich, 1893, Proc. Royal Soc., Vol. 53, pp. 54-64. Slice 15 x 25 mm. Dull brown crust on one end. One face sawed, other polished, showing a compact, brownish-black groundmass, sparsely flecked with minute bright iron grains. A micro-section of same.	3
285	1863 Fell Dec. 22	Manbhoom, Bengal, India. Described, Haidinger, 1864, Sitzber. Wien. Akad., Vol. 50 II, pp. 241-246. Fragment 19 x 26 x 35 mm. Back covered with dull brownish-black crust. Balance fractured surface, showing light-grey groundmass, with darker grey angular fragments, giving it a brecciated appearance. Slickenside on one end. But a small amount of bright iron and bronze-colored troilite grains are visible.	18
286	1768 Fell Nov. 20	Mauerkirchen, Upper Austria. Described, Chladni, 1803, Gilb. Ann., Vol. 15, pp. 310, 316, 317. Interior fragment 12 x 14 x 15 mm. Two faces polished, balance fractured surfaces. Groundmass light grey, with fine iron grains.	4
287	1852 Fell Sept. 4	Mezö-Madaras, Transylvania. Described, Knöpfner, 1852, Verh. d. Siebenbürg. Ver., Vol. 3, pp. 153, 154. Slice 24 x 42 x 70 mm. Dull black crust, showing characteristic pittings on two edges. One face sawed, other polished, showing compact dark-brown groundmass with numerous light-colored chondri, many of which are entirely surrounded by iron. The whole is sparingly flecked with small bright iron and bronze-colored troilite grains.	166

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
288	1827 Fell Feb. 16	Mhow, Azamgarh District, North-west Provinces, India. Described, Edinburgh Jour. Sci., July, 1828, p. 172. Interior fragment 8 x 12 x 19 mm. Fine grained light-grey groundmass, slightly stained with iron. One side polished, showing numerous bright metallic grains.	2
289	1881 Fell Mar. 14	Middlesbrough, Yorkshire, England. Described, Herschel, 1881. Notice printed by Ben Johnson & Co., Micklegate. Small fragments in vial. Groundmass light grey, thickly sprinkled with bright iron grains.	1
290	1889 Fell June 18	Mighei, Olivopol, Elizabetgrad, Kherson, South Russia. Described, V. Siemaschko, 1890, Nature, Vol. 41, p. 272. Interior fragment 17 x 30 x 32 mm. Groundmass greyish black, resembling pyrolusite, with complete and broken sections of dark-grey chondrules scattered through it.	15
291	1842 Fell April 26	Milena, Warasdin, Croatia, Austria. Described, Kocevar, Pogg. Ann., Vol. 55, pp. 349, 350. Interior fragment 6 x 13 x 22 mm. One face polished, balance fractured surfaces, showing light-grey groundmass, with large grains of bright iron.	4
292	1888 Described	Minas Geraes (?), Brazil. Described, Derby, 1888, Revista do Observatorio, Rio de Janeiro, 1888, p. 12, Sept. Fragment 14 x 15 x 20 mm. Small portion of thick, brownish-black crust on one side. Two faces fractured, two polished surfaces, showing a light-grey groundmass, sparsely speckled with bright metallic grains.	4
293	1890 Fell April 10	Misshof, Baldon, Courland, Russia. Described, Doss, 1891, Arbeiten d. Naturf. Ver. Riga N. F., Heft 7. Fragment 40 x 40 x 70 mm. Dull black crust on one side. One face polished, balance fractured surfaces.	166

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		Groundmass light grey, with numerous small, yellowish-brown rust spots, and thickly flecked with bright metallic grains. Structure very chondritic. 127 grammes Slice 10 x 35 x 43 mm. Crust on one edge, both faces polished, characters similar to above with the exception that it is much more rust stained. 39 grammes	
294	1882 Fell Feb. 3	Mocs, Kolos, Transylvania. Described, Hauer, 1882, Verh. k. k. geol. Reichsanst., Feb. 21, 1882, pp. 77, 78. Complete stone 16 x 18 x 24 mm. Entirely covered with a dull brownish-black crust. 14 grammes Stone 28 x 33 x 35 mm. All but one end covered with crust of two different thicknesses, while this end has been but slightly stained by fusion, showing that the fracture occurred before reaching the ground. 53 grammes Stone 20 x 34 x 45 mm. One face fractured, slightly stained by fusion; balance covered with crust. 44 grammes Stone 27 x 37 x 38 mm. One end sawed surface, balance covered with crust. 71 grammes Stone 27 x 41 x 55 mm. Completely covered with crust of three different thicknesses. 120 grammes Stone 50 x 60 x 76 mm. One end fractured, balance covered with crust. 339 grammes Fragment 43 x 75 x 85 mm. One side covered with crust, balance fractured surface. Groundmass light grey, flecked with small brown and yellow spots, and traversed by fine black veins; portion of one side showing slickenside surface. The whole sprinkled with coarse bright metallic grains. 446 grammes Stone 55 x 70 x 92 mm. One side showing slickenside effect, balance covered with crust of two different thicknesses. 564 grammes	1,651
295	1858 Fell Dec. 24	Molina, Murcia, Spain. Described, Daubrée and Meunier, 1868, Comptes Rendus, Vol. 66, pp. 639-642. Interior fragment 8 x 8 x 12 mm. Groundmass dark grey, somewhat stained with iron rust, and thickly sprinkled with bright metallic grains.	1

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
296	1849 Fell Oct. 31	Monroe, Cabarras County, North Carolina. Described, Gibbon, 1850, Am. Jour. Sci., Ser. 2, Vol. 9, pp. 143-146. Interior fragment 30 x 35 x 42 mm. Groundmass dark grey, with light grains and thickly sprinkled with bright iron grains.	80
297	1838 Fell July 22	Montlivault, Loir-et-Cher, France. Described, Daubrée, 1873, Comptes Rendus, Vol. 76, pp. 314, 315. Interior fragment 4 x 9 x 10 mm. Groundmass light grey, thickly strewn with iron and troilite grains.	1
298	1810 Fell Aug.	Mooresfort, County Tipperary, Ireland. Described, Higgins, 1811, Philos. Magaz., Vol. 38, pp. 262-268. Fragment 6 x 14 x 24 mm. A small patch of dull, brownish-black crust on one edge. Balance fractured surface, showing dark-grey groundmass, with iron grains thickly distributed through it.	3
299	1826 Fell May 19	Mordvinovka, Pavlograd, Ekaterinoslav, Russia. Described, Arch. des découvertes, 1826, p. 186. Interior fragment 13 x 20 x 26 mm. Groundmass light grey, with darker grains scattered through it, also numerous small, yellowish-brown rust spots. The whole abundantly sprinkled with small iron grains.	12
300	1875 Fell Sept.	Mornans, Bourdeaux, Drôme, France. Described, Gregory, 1887, Geol. Mag., Ser. 3, Vol. 4, Nr. 12. Fragment 9 x 12 x 14 mm. Dull black crust on one side. One face polished, balance fractured surfaces. Groundmass light grey, with darker colored grains, and flecked with small bright iron grains.	3
301	1868 Fell Dec. 22	Moteeka Nugla, Ghoordha, Bhurtpur, India. Described, 1880, Popular Guide to the Geological Collections in the Indian Museum, Calcutta, No. 3, Meteorites, p. 26. Interior fragment 8 x 18 x 19 mm. Groundmass dark grey, thickly sprinkled with bright iron grains.	5

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
302	1865 Fell Sept. 21	Muddoor, Mysore, India. Described, Bowring, 1865, Proc. Asiatic Soc., Bengal, p. 195. Interior fragment 10 x 15 x 23 mm. Groundmass grey, filled with darker grey chondri, and sparsely flecked with bright iron grains.	5
303	1897 Fell May 19	Meuselbach, Schwartzburg, Thuringia. Described, Fragment 6 x 15 x 19 mm. Back covered with dull black crust. Face sawed, showing light grey groundmass, with large bright iron grains and a few bronze-colored troilite grains.	3
304	1879 Fell July 1	Nagaya, Entre Rios, Argentine Republic. Described, Websky, 1882, Stitzber. Berlin Akad., 1882 I, pp. 395, 396. Interior fragment 17 x 20 x 30 mm. Groundmass dull black, sprinkled with small dark-grey grains. No iron visible.	10
305	1886 Fell Jan. 27	Nammianthal, South Arcot, Madras, India. Described, Medicott, 1886, Rec. Geol. Surv., India, Vol. 19, p. 268. Interior fragment 5 x 10 x 13 mm. Groundmass light grey, with numerous yellowish-brown rust spots and sprinkled with bright iron grains.	1
306	1825 Fell Feb. 10	Nanjemoy, Charles County, Maryland. Described, Carver, 1825, Am. Jour. Sci., Ser. 1, Vol. 9, pp. 351-353. Fragment 21 x 32 x 33 mm. Portion of one side covered, with dull, brownish-black crust. Balance fractured surfaces. Groundmass light grey, with darker grains and considerable iron.	32
307	1890 Fell June 6	Nawapali, Sambalpur District, Central Provinces, India. Described, Proc. Asiatic Soc., Bengal. Interior fragment 8 x 12 x 17 mm. Groundmass dull black, no iron visible.	2

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
308	1864 Fell April 12	Nerft, Courland, Russia. Described, Grewingk and Schmidt, 1864, Arch. f. Naturk. Liv. Ehst. u Kurl., Ser. 1, Vol. 3, p. 554. Fragment 24 x 47 x 48 mm. Portions of two sides covered with a dull, greyish-black, granulated crust. Balance fractured surfaces. Groundmass light grey, sprinkled with iron and troilite grains. Also traversed by several minute black veins, that are generally parallel to each other.	62
309	1897 Found about Oct.	Ness County, Kansas. Described, Ward, 1899, Am. Jour. Sci., Ser. 4, Vol. 7, p. 233. Fragment 8 x 20 x 39 mm. Reddish-brown crust on edges. One face polished, showing dark-brown groundmass, flecked with small grains of iron. 17 grammes Fragment 50 x 88 x 120 mm. One face polished, one end fractured, balance covered with a reddish-brown crust, showing typical pittings. Polished surface a yellowish-grey, and dark-brown mottled groundmass sparingly flecked with small bright iron grains. (This is half of a stone found in the spring of 1899, but doubtless of the same fall as the above.) 955 grammes	972
310	1860 Fell May 1	New Concord, Muskingum Co., Ohio. Described, Andrews, Evans, Johnson and Smith, 1860, Am. Jour. Sci., Ser. 2, Vol. 30, pp. 103-111. Fragment 63 x 80 x 83 mm. Two faces fractured surfaces, the balance covered with dull black crust. Groundmass light grey, stained in spots yellowish-brown, with small iron and troilite grains scattered through it. 531 grammes A section 21 x 120 x 125 mm. One face polished, showing characters similar to above, with the exception that it is traversed by a narrow black vein, the iron grains being of large size. The back and sides are entirely covered with crust, with typical pittings. 1,001 grammes End piece 95 x 135 x 140 mm. Face polished, characters similar to above, with the exception that one troilite nodule is of unusual size, 8 mm. in diameter. Balance entirely covered with crust, well pitted. 2,725 grammes	4,257

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
311	1883 Fell Oct. 3	Ngawi, Djogorogo, Java. Described, v. Baumhauer, 1884, Arch. Néerl des Sciences exactes et naturelles, Vol. 19, Part II, pp. 175-185. Fragment. Brecciated structure, with chondri and grains of metallic iron.	2
312	1823 Fell Aug. 7	Nobleboro, Lincoln County, Maine. Described, Cleaveland, 1824, Am. Jour. Sci., Ser. 1, Vol. 7, pp. 170, 171. Fragment of light grey color, showing iron grains.	1
313	1855 Fell May 11	Oesel, Kaande, Livonia, Baltic Sea. Described, Goebel, 1856, Arch. Naturk. Liv. Ehst. u Kurl., Vol. 1, pp. 477-482. Interior fragment 18 x 24 x 44 mm. Light grey groundmass, with grains of iron and troilite sparsely scattered through it.	26
314	1864 Fell May 14	Orgueil, Montauban, Tarn-et-Garonne, France. Described, Rose, 1863, Meteoriten, pp. 126, 156. Two fragments 12 x 13 x 18 mm. and 13 x 22 x 24 mm., both showing a dull black crust, very much crackeled. Interior dull black with no iron, but numerous small, white, crystalline efflorescences, very friable.	8
315	1868 Fell July 11	Ornans, Doubs, France. Described, Pisani, 1868, Comptes Rendus, Vol. 67, pp. 663-665. Fragment 25 x 38 x 41 mm. Thick, porous, dull-black crust on one side. Interior bluish-grey, with darker colored chondrules, and almost no iron.	50
316	1872 Fell Aug. 31	Orvinio, Umbria, Italy. Described, Ferrari, 1872, 46 Seiten u. Karte. Ref. Worchenschr. f. Astr., Met. u Geogr., 1873, pp. 230-232, 239, 240. Fragment 10 x 16 x 17 mm. Dull, granulated, black crust on one side. One surface sawed, balance fractured, showing a blackish compact groundmass sprinkled with minute grains of iron.	5

No.	Date of Fall or Find	DESCRIPTION.	Weight in grammes
317	1896 Fell April 9	Ottawa, Franklin County, Kansas. Described, 1896, Ottawa Weekly Times, April 16th, 1896. Fragment 26 x 26 x 33 mm. Dull black crust on one side. Interior light grey, flecked with small bright iron and troilite grains.	35
318	1881 Fell June 18	Pacula, Tacal, Hidalgo, Mexico. Described, Castillo, 1889, Catalogue, pp. 12-15. Fragment 30 x 40 x 40 mm. Dull brownish-black crust on one side. Interior light grey, blotched with numerous yellowish-brown rust spots, and sprinkled with minute iron grains. Is also traversed by several narrow black veins.	88
319	1857 Fell Feb. 28	Parnallee, Madras, India. Described, Taylor, 1857, Trans. Geog. Soc., Bombay. Slice 37 x 47 mm. One faced sawed, other polished, showing dark grey groundmass, with light grey, dark grey and brown grains, with small specks of iron and troilite distributed through the mass. One troilite nodule 9 mm. in diameter. 19 grammes Slice 81 x 1105 mm. Dull black crust on two edges. Polished face shows characters similar to above. 160 grammes End piece 35 x 80 x 105 mm. Back covered with crust, nicely pitted. Polished face shows characters similar to above. 486 grammes	665
320	1882 Fell Aug. 2	Pavlovka, Balachev, Saratov, Russia. Described, Tschernyschow, 1883, Zeitschr. d. d. Geol. Ges., Vol. 35, pp. 190-192. Fragments in vial, light grey color, flecked with iron grains.	3
321	1855 Fell Aug. 5	Petersburg, Lincoln County, Tenn. Described, Smith, 1856, Geol. Reconnaissance Surv. Tenn., Nashville, 1856. Fragment 11 x 23 x 27 mm. Back covered with shiny black crust, prominently ridged or veined. Groundmass light grey, spotted with yellowish-brown rust spots, and sprinkled with minute iron grains. 8 grammes Fragment 9 x 9 x 27 mm. Crust on one side, characters similar to above. 11 grammes	19

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
322	1863 Fell Aug. 8	Pillistfer, Aukoma, Livland, Russia. Described, Rose, 1863, Mon.-Ber. Berlin. Akad., pp. 441-443. Fragment 16 x 32 x 58 mm. One edge covered with a thin dull black crust. Interior dark grey, fine grained, thickly sprinkled with minute iron and troilite grains.	39
323	1887 Found	Pipe Creek, Bandera County, Texas. Described, Ledoux, 1888-89, Trans. of New York Acad. of Sci., Vol. 8, pp. 186, 187. End piece 45 x 64 x 70 mm. Back covered with a weathered brown crust. Interior, greyish black, compact groundmass, more or less porous, and flecked with bright metallic grains.	370
324	1884 Fell Feb. 9	Pirthalla, Hissar District, Punjaub, India. Described, Medlicott, 1885, Rec. Geol. Surv., India, Vol. 18, p. 148. Fragments in vial, some with dull black crust. Interior dark grey, flecked with iron grains.	1
325	1723 Fell June 22	Plescowitz, near Reichstadt, Bohemia. Described, Rost, 1725, Versuch, Winter-Quartal, 1725, pp. 44-47. Fragment 11 x 15 x 15 mm. One side partly covered with a dull brownish-black crust. Interior yellowish-grey, much stained with iron and very chondritic, flecked with minute iron grains. 3 grammes Fragment without crust. 3 grammes	6
326	1819 Fell Oct. 13	Politz, near Gera, Reuss, Germany. Described, Braun, 1819, Gilb. Ann., Vol. 63, pp. 217-228. Fragment 11 x 12 x 15 mm. One side with dull brownish-black crust. Interior light grey sprinkled with iron grains.	3
327	1893 Known	Prairie Dog Creek, Decatur Co., Kansas. Described, Weinschenk, 1895, Tschermak's Min. und Petrog. Mittheil, Wien, 1894-95, Vol. 14, pp. 473-475. Fragment 30 x 33 x 40 mm. Three sides covered with a dull brownish-black crust. Interior a dark yellowish-brown, mainly due to oxidation, and sparingly sprinkled with iron grains.	63

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
328	1893 Fell Feb. 13	Pricetown, Highland County, Ohio. Described, Fragment 9 x 11 x 25 mm. Dull black crust on one side. Interior ash grey, sprinkled with bright grains of iron and bronze-colored troilite.	4
329	1868 Fell Jan. 30	Pultusk, Sielce Nowy, Poland. Described, Szymanski, 1868, Briefl. Mitt. N. J., 1868, p. 326. Complete stone 19 x 23 x 31 mm. Entirely covered with a dull brownish-black crust. 23 grammes Complete stone 20 x 23 x 32 mm., similar to above. 25 grammes Complete stone 18 x 24 x 29 mm., similar to above. 28 grammes Complete stone 25 x 27 x 32 mm., similar to above. 40 grammes Fragment 27 x 29 x 32 mm., covered with crust, except one fractured surface which shows light grey groundmass, sprinkled with small brown rust spots and flecked with iron grains. 41 grammes Fragment 14 x 37 x 50 mm. One side covered with crust, balance fractured surface, showing slickenside. 50 grammes Complete stone 25 x 30 x 43 mm. 56 grammes Complete stone 26 x 34 x 58 mm. One side covered with a much thinner crust than balance, showing a more recent fracture. 87 grammes Stone 22 x 50 x 68 mm. Covered with two different thicknesses of crust. One surface showing slickenside. 153 grammes Complete stone 45 x 58 x 70 mm. 276 grammes	779
330	1857 Fell Dec. 27	Quenggouk, Pegu, British Burmah. Described, Haidinger, 1860, Sitzber. Wien. Akad., Vol. 41, pp. 750, 751. Fragment 37 x 69 x 88 mm. Small patch of dull, brownish-black crust on one corner. Interior light grey, strongly chondritic, and sparingly flecked with minute grains of iron. One chondri 8 mm. in diam.	302
331	1878 Fell Nov. 20	Rakovka, Tula, Russia. Described, Trautschold, 1879, Briefl. Mitt. N. J., 1879, pp. 144, 145. Fragment 35 x 52 x 60 mm. Black crust with typical pittings on one side. One face polished, balance fractured surfaces. Groundmass light grey sprinkled with bright iron and troilite grains.	163

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
332	1824 Fell Jan. 15	Renazzo, Cento, Ferrara, Italy. Described, Orioli, 1824, Nuova Collezione di opusculi scientifici di Bologna, Vol. 3, p. 151. Fragment 8 x 15 x 20 mm. Dull brownish-black crust on one side. Interior compact black groundmass holding numerous light grey spherules. Iron grains not visible.	4
333	1828 Fell June 4	Richmond, Henrico County, Virginia. Described, Cocke, 1829, Am. Jour. Sci., Ser. 1, Vol. 15, pp. 195, 196. Fragments in vial. Light grey coarse granular groundmass, with dark grey chondri and sparingly flecked with minute bright iron grains.	2
334	1876 Fell Dec. 21	Rochester, Fulton County, Indiana. Described, Newton, 1877, Am. Jour. Sci., Ser. 3, Vol. 13, pp. 166, 167. Fragment 5 x 10 x 17 mm. Mainly a dull, spongy, dark-brown crust.	1
335	1871 Fell Spring	Roda, (4 miles from) Huesca, Spain. Described, Pisani, 1874, Comptes Rendus, Vol. 79, pp. 1507-1509. Three fragments, two showing a dull-black crust. Interior grey, with darker grey chondri, and sparingly flecked with minute iron grains.	2
336	1855 Fell June 7	St. Denis-Westrem, near Ghent, Belgium. Described, Duprez, 1855, Bull. Acad. Belgique, Vol. 22 II, pp. 54-58. Fragment 15 x 17 x 24 mm. Black crust on one end, typically pitted. Interior light grey, specked with small, yellowish-brown rust spots and flecked with bright iron grains.	7
337	1866 Fell May 30	Saint Mesmin, Aube, France. Described, Ray, 1866, Mém. Soc. Académique de l'Aube, Vol. 30. Interior fragment 9 x 18 x 25 mm. Light grey, traversed by minute black veins and sprinkled with iron and troilite grains.	4

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
338	1887 Found	San Emigdio Range, San Bernardino Co., California. Described, Merrill, 1888, Proc. U. S. National Museum (1888), pp. 161-167. Fragments in vial. Groundmass yellowish-brown color due to oxidation of the iron, with darker colored chondrules, sparingly flecked with iron grains. 4 grammes Fragment 13 x 40 x 40 mm. Back partly covered with smooth black crust. Face polished, showing characters similar to above. One iron grain 4 mm. in diameters. 23 grammes	27
339	1887 Found	San Pedro Springs, San Antonio, Texas. Described, Wiener Sammlung, 1895, p. 306. Fragment 10 x 12 x 23 mm. Brownish-black crust on one side. Interior yellowish-grey, with bright iron grains sprinkled through it.	3
340	1868 Fell Sept. 7	Sauguis, St. Etienne, Basses-Pyrénées, France. Described, Daubrée, 1868, Comptes Rendus, Vol. 67, pp. 873-877. Interior fragment 9 x 13 x 17 mm. Dark grey with numerous bright grains of iron.	3
341	1894 Fell July 27	Sawtschénskoje, Cherson, Russia. Described, Prendel, 1895, Katalog. der Meteoriten sammlung in Odessa, Feb., 1895. Fragment 9 x 21 x 37 mm. One side covered with brownish-black crust. Interior dark grey with darker colored spherules, and flecked with grains of iron and troilite.	9
342	1846 Fell Dec. 25	Schönenberg, Mindelthal, Schwaben, Bavaria. Described, Augsburger Allg. Zeitung vom 1. Jan., 1847. Slice 6 x 39 x 41 mm. Dull black crust on two edges. Interior light grey, with darker grey chondrules. Two faces sawed, showing bright iron grains and several small veins or fissures filled with bright iron. Also one troilite section 9 mm. in diameter.	24

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
343	1871 Fell May 21	Searsmont, Waldo County, Maine. Described, Shepard, Am. Jour. Sci., Ser. 3, Vol. 2, pp. 133-136. Fragment 10 x 20 x 23 mm. Back and one edge covered with dull-black crust. Interior light grey, with numerous iron and troilite grains.	5
344	1853 Fell March 6	Segowlie, Bengal, India. Described, Sherwill, 1854, Journ. Asiatic Soc., Bengal (Proc.), Vol. 23, pp. 746, 747. Fragment 8 x 9 x 20 mm. One end yellowish-brown crust. Balance interior, entirely stained to a dark and light-brown mottled color by oxidation of the iron grains.	3
345	1773 Fell Nov. 17	Sena, Sigena, Aragon, Spain. Described, Proust, 1803, Journ. Phys., Vol. 60 (an XIII, 1803), pp. 185-202. Fragment 4 x 16 x 24 mm. Back a dull grey-black crust. Interior dark grey, with darker colored chondri, sparsely flecked with iron grains.	3
346	1865 Fell Aug. 25	Senhadja, Aumale, Constantine, Algeria. Described, Daubrée, 1866, Comptes Rendus, Vol. 62, pp. 72-78. Interior fragment 10 x 11 x 13 mm. Light grey, flecked with bright iron grains.	3
347	1818 Fell June	Seres, Macedonia, Turkey. Described, Chladni, 1819?, Oesten. Bl. f. Lit., 1847, Nr. 86, p. 343. Interior fragment 8 x 9 x 15 mm. One face polished, showing dark-grey groundmass with light-grey chondrules, and large bright iron grains.	2
348	1874 Fell June 6	Sevrukovo, near Belgorod, Kursk, Russia. Described, Moskauer Nachrichten (Wedomosti 31. May, 1874, Nr. 135). Slice 8 x 30 x 54 mm. Two faces sawed surfaces, showing black compact groundmass, thinly sprinkled with bright iron grains.	26

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
349	1850 Fell Nov. 30	Shalka, Bancoorah, Bengal, India. Described, Piddington, 1851, Journ. Asiat. Soc., Bengal, Vol. 20, pp. 299-307. Interior fragment 10 x 15 x 18 mm. Light grey, with but few grains of iron visible.	6
350	1865 Fell Aug. 25	Sherghotty, near Gya, Behar, India. Described, Bayley and Costley, 1866, Proc. Asiat. Soc., Bengal, pp. 193-195. Fragment 14 x 42 x 46 mm. Bright, prominently veined or ridged black crust on one end. Interior dark grey, coarsely crystalline groundmass, with but few grains of iron visible.	40
351	1794 Fell June 16	Siena, Cosona, Italy. Described, Domenico Tata, 1794, Also Antologia Romana, Vol. 21, p. 94. Fragment 17 x 19 x 27 mm. Dull brown crust on three sides, two faces polished, showing a brecciated structure in a dark grey groundmass, sparingly flecked with minute iron grains.	13
352	1875 Fell March 4	Sitathali (Nurrah), South-east of Raepur, Central Provinces, India. Described, Medlicott, 1876, Proc. Asiatic Soc., Bengal, pp. 115, 116. Interior fragment 7 x 9 x 12 mm. Light grey, abundantly sprinkled with bright iron grains.	2
353	1868 Fell May 22	Slavetic, Agram, Croatia, Austria. Described, v. Haidinger, 1868, Sitzber. Wien. Akad., Vol. 58 II, pp. 162-168. Fragment 9 x 15 x 23 mm. Dull brownish-black crust on back. Face polished, showing dark-grey groundmass much stained with iron, with darker-colored chondri, and thickly sprinkled with bright iron grains.	4
354	1877 Fell Oct. 13	Soko-Banja, N. E. of Alexinat, Servia. Described, Doll, 1877, Verh. k. k. geol. Reichsanst., Nr. 16, pp. 283-287. Fragment 28 x 42 x 45 mm. One side covered with a dark-brown pitted crust. Interior light grey, with	394

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		<p>numerous darker grey chondrules scattered through it, and sparingly sprinkled with iron grains. Also one troilite nodule 6 mm. in diameter. 75 grammes</p> <p>Interior fragment 31 x 40 x 52 mm., with unusually large spherules, one 10 and another 25 mm. in diameter. Otherwise, characters similar to above. 75 grammes</p> <p>Interior fragment 42 x 55 x 59 mm. Characters similar to above, with smaller spherules. 244 grammes</p>	
355	1876 Fell June 28	<p>Ställdalen, Nya Kopparberg, Örebro, Sweden.</p> <p>Described, v. Nordenskiöld, 1877, Föredrag i Mineralogi vid Akademiens årshögtid den 3 April, Stockholm, 1877.</p> <p>Fragment 50 x 55 x 78 mm. Dull black crust on one side, showing characteristic pittings. Interior light grey, much stained with iron oxide. Several portions showing bright glazed slickenside surfaces. The whole flecked with small iron grains.</p>	343
356	1808 Fell May 22	<p>Stannern, Iglau, Moravia, Austria.</p> <p>Described, v. Jacquin, 1808, Gilb. Ann., Vol. 28, p. 491.</p> <p>Nearly complete stone 30 x 33 x 54 mm. All but one surface covered with a black vitreous crust, curiously veined like the imprint of the palm of a hand on a freshly oiled surface. Interior light grey, flecked with minute iron grains.</p>	92
357	1753 Fell June 3	<p>Tabor (Plan, Strkow), Bohemia.</p> <p>Described, Stepling, 1754, Typis Francisci Ignatii Kirchner. Prag., 1754, 33 Seiten; e, insbesondere, pp. 3-6.</p> <p>Interior slice 11 x 16 mm. Face polished, showing dark grey groundmass, much stained with iron oxide, and flecked with bright metallic grains. 1 gramme</p> <p>Interior fragment 10 x 11 x 20 mm. Two faces polished, characters similar to above. 4 grammes</p>	5
358	1887 Fell Aug. 30	<p>Tabory, Ochansk, Perm, Russia.</p> <p>Described, Daubrée, 1887, Comptes Rendus, Vol. 105, pp. 987, 988.</p> <p>Interior fragment 80 x 88 x 205 mm. Light grey groundmass, with darker colored chondrules. Two</p>	1,915

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		surfaces entirely covered with slickensides. The whole lightly sprinkled with bright, minute iron grains.	
359	1867 Fell June 9	<p>Tadjera, near Guidjel, Setif, Algeria.</p> <p>Described, Augeraud, 1867, Comptes Rendus, Vol. 65, pp. 240-242.</p> <p>Fragment 19 x 36 x 64 mm. One side covered with smooth black crust. Interior black and compact, containing small grains of troilite.</p>	54
360	1875 Found before	<p>Taltal, Chili, S. A.</p> <p>Described,</p> <p>Fragment 10 x 25 x 37 mm. Back covered with dark brown crust, much crackled. Interior dark brown, resembling limonite, with but few bright grains of iron visible.</p>	16
361	1872 Fell June 28	<p>Tennassilm, Esthland, Russia.</p> <p>Described, v. Schilling, 1873, Arch. f. Naturk. Liv. Ehst. u. Kurl., Vol. 8, pp. 1-20.</p> <p>Interior fragment 18 x 45 x 64 mm., with small patch of dull, dark-brown crust on one end. Interior light grey, with numerous dark-grey chondrules scattered through it, and thinly flecked with minute iron and troilite grains.</p>	73
362	1807 Fell March 25	<p>Timochin, Juchnov, Smolensk, Russia.</p> <p>Described, Gilbert, 1807, Gilb. Ann., Vol. 26, pp. 238, 239.</p> <p>Interior fragment 11 x 16 x 21 mm. Light grey, spotted with small, yellowish-brown stains, and enclosing dark grey chondrules. The whole sprinkled with small iron grains.</p>	4
363	1869 Fell Sept. 19	<p>Tjabé, Padangan, Java.</p> <p>Described, v. Baumhauer, 1871, Arch. Wéerl, Vol. 6, Nr. 4, pp. 305-325.</p> <p>Fragment 9 x 13 x 13 mm. Dull brown crust on one end. Interior dark grey, thickly sprinkled with iron grains.</p>	2
364	1879 Fell Sept. 17	<p>Tomatlan, Jalisco, Mexico.</p> <p>Described, Shepard, 1885, Am. Jour. Sci., Ser. 3, Vol. 30, pp. 105-108.</p> <p>Interior fragments in vial. Light grey, enclosing dark grey chondrules, and flecked with bright iron grains.</p>	1

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
365	1863 Found	Tomhannock Creek, Rensselaer Co., N. Y. Described, Bailey, 1887, Am. Jour. Sci., Ser. 3, Vol. 34, pp. 60-62. Interior slice 51 x 57 mm. One face sawed, other polished. Compact, nearly black groundmass, filled with bright iron grains.	18
366	1812 Fell April 12	Toulouse (Grenade), Haute Garonne, France. Described, Gilbert, 1812, Gilb. Ann., Vol. 41, pp. 445-449. Nearly complete stone 17 x 19 x 24 mm. Covered with two different thicknesses of crust. One end polished, showing a dark-grey interior, somewhat stained with iron oxide, and thickly sprinkled with bright iron grains.	14
367	1863 Fell Dec. 7	Tourinnes-la-Grosse, Tirlemont, Belgium. Described, Van Beneden, 1863, Bull. Acad. Roy. Belgique, Vol. 16, p. 621. Fragment 14 x 20 x 25 mm. Dull black crust on one end. Interior light grey, fine grained, thickly sprinkled with bright metallic grains.	11
368	1890 Described	Travis County, Texas. Described, Eakins, 1890, Am. Jour. Sci., Ser. 3, Vol. 39, p. 59. Interior fragment 14 x 16 x 18 mm. Almost black, sprinkled with iron and troilite grains.	7
369	1856 Fell Nov. 12	Trenzano, Brescia, Italy. Described, Curioni, 1860, Atti R. Instit. Lomb. di Scienze, Lettere et Arti., Milano, 1860, Vol. I, pp. 357-364. Fragment 16 x 25 x 26 mm. Dull black crust on two sides. Interior light grey, with numerous fine iron grains. 16 grammes Fragment 18 x 21 x 41 mm. Crust on two sides, characters similar to above with the exception that the interior is much stained with iron oxide. 31 grms.	47
370	1884 Fell May 20	Tysnes Island, Hardanger Fiord, Norway. Described, Reusch, 1886, Neues Jahrbuch B. B. IV, pp. 473-486.	428

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		Fragment 53 x 61 x 82 mm. Two sides coated with dull black crust, showing deep characteristic pittings. One surface entirely covered with slickenside. Interior light grey, but mostly stained to a dark yellowish brown by iron oxide, and sprinkled with iron grains.	
371	1866 Fell April	Udipi, South Canara, India. Described, Meunier, 1884, Météorites, p. 209. Slice 13 x 24 mm. One face polished, showing dark grey groundmass thickly sprinkled with iron.	1
372	1822-3 Fell in	Umballa (40 miles south-west of), Punjab, India. Described, Atkinson, 1859, Jour. Asiat. Soc., Bengal, Vol. 28, p. 260. Fragment 6 x 7 x 10 mm. Dull brown crust on one side. Interior dark grey, with but few grains of bright iron. 1 gramme Interior fragment 12 x 16 x 16 mm. Characters similar to above. 4 grammes	5
373	1843 Fell June 2	Utrecht (Blaauw-Kapel), Netherlands. Described, Quetelet, 1843, Comptes Rendus, Vol. 16, pp. 1311, 1312. Fragment 25 x 50 x 73 mm. Dull black crust on one edge. Interior light grey, filled with darker grey chondrules, and flecked with iron and troilite grains.	109
374	1876 Fell June 19	Vavilovka, Kherson, Russia. Described, Prendel, 1877, Mém. de la Soc. Nation des Sc. Nat., Cherbourg, Vol. 21, p. 205. Fragment 10 x 23 x 30 mm. Dull brown crust on one side. Interior light grey, with yellowish-brown iron oxide stains, and sprinkled with small iron and troilite grains. 14 grammes Fragment 17 x 19 x 21 mm., similar to above. 12 grammes	23
375	1865 Fell March 26	Vernon County, Wisconsin. Described, Smith, 1875, Am. Jour. Sci., Ser. 3, Vol. 10, p. 314. Interior fragment 13 x 15 x 35 mm. One face polished. Groundmass dark grey, filled with small darker grey spherules, and abundantly flecked with bright iron grains.	8

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes
376	1813 Fell May 13	Vouillé, near Poitiers, Vienne, France. Described, 1831, Ann. Chim. Phys., Vol. 47, p. 442. Interior fragment 34 x 49 x 96 mm. One face polished, showing fine light-grey groundmass, thinly sprinkled with iron and troilite grains. 212 grammes Fragment 44 x 55 x 125 mm. Dull dark-brown crust on one side and end. One face polished, characters similar to above. 456 grammes	668
377	1873 Found	Waconda, Mitchell County, Kansas. Described, Shepard, 1876, Am. Jour. Sci., Ser. 3, Vol. 11, p. 473. Fragment 34 x 57 x 75 mm. Dull brown crust on one end. Interior light grey, much blotched by yellowish-brown iron oxide stains, and but thinly flecked with bright metallic grains. 229 grammes Fragment 57 x 69 x 118 mm. Characters similar to above, with the exception that it is less stained with iron oxide. 870 grammes	1,099
378	1877 Fell Jan. 3	Warrenton, Warren County, Missouri. Described, Smith, 1877, Am. Jour. Sci., Ser. 3, Vol. 13, p. 243. Fragment 20 x 26 x 43 mm. One side coated with a porous black crust. Interior bluish grey, with very little iron.	28
379	1807 Fell Dec. 14	Weston, Fairfield County, Conn. Described, Medic. Reposit., 1807, p. 202. Slice 19 x 34 x 46 mm. Two faces polished. Light grey, much stained with iron oxide, and filled with small, darker grey chondri, the whole thickly sprinkled with bright iron grains.	65
380	1795 Fell Dec. 13	Wold Cottage, Yorkshire, England. Described, Topham, Gentleman's Magazine, Feb. 8, 1796. Interior fragment 10 x 15 x 25 mm. Two faces polished, showing light grey groundmass, thinly flecked with iron and troilite grains, and traversed by a heavy black vein.	10

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
381	1852 Fell Jan. 23	Yatoor, Nellore, Madras, India. Described, Haidinger, 1861, Sitzber. Wien. Akad., Vol. 44 II, pp. 73, 74. Fragment 8 x 18 x 21 mm. Thick, dull, granulated, dark-brown crust on portions of two sides. Interior light grey, much stained with iron oxide, containing dark-grey chondrules. One face polished, flecked with bright metallic grains.	5
382	1869 Fell	Yorktown, Westchester Co., New York. Described, Slice 4 x 19 x 25 mm. Smooth black crust on edges. Both faces polished, showing light grey groundmass much stained with iron oxide, and sprinkled with bright iron grains.	6
383	1818 Fell Apr. 10	Zaborzika, Czartorya, Volhynia, Russia. Described, Laugier, 1823, Gilb. Ann., Vol. 75, pp. 264-266. Interior fragment 5 x 10 x 15 mm. Light grey, flecked with small grains of iron and troilite.	1
384	1893 Fell Sept. 22	Zabrodge, Govt. Wilna, Russia. Described, Melikoff, 1894, Ber. d. d. Chem. Ges., Vol. 27, pp. 1235-1238. Interior fragment 9 x 14 x 20 mm. One face polished, groundmass light grey, sprinkled with bright iron grains.	4
385	1897 Fell Aug. 1	Zavid, Bosnia, Bohemia. Fragment 11 x 25 x 36 mm. Dull brown crust on one end. Interior light grey, sprinkled with small iron and troilite grains. 12 grammes Interior fragment 30 x 57 x 60 mm. Characters similar to above, with the exception that one side is a lustrous slickenside surface. 149 grammes	161
386	1824 Fell Oct. 14	Zebrak (Praskoles), near Horowitz, Bohemia. Described, v. Martius, 1825, Kastner's Archiv. f. d. gesammte Naturlehre, Vol. 30, pp. 421, 422. Fragment 10 x 11 x 18 mm. Dull brownish black granulated crust on one side. Interior light grey, flecked with minute iron grains.	2

ADDENDA.

(Several months having transpired since the printing of the previous 80 pages, as also during their printing, we have acquired numerous other kinds, which we give in the following pages.)

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
ÆROLITES.			
387	1838 Fell April 18	Akburpur, Saharanpur, North-west Provinces, India. Described, Greg, 1854, Catalogue, p. 460. Fragment 9 x 20 x 22 mm. One side covered with bright black crust, with bright metallic grains protruding through it. One face polished, showing dark grey groundmass, thickly flecked with iron grains.	7
388	1860 Fell Feb. 2	Alessandria, San Giuliano, Vecchio, Piedmont, Italy. Described, Missaghi, 1861, Nuovo Cimento, Vol. 13, p. 272. (Pisa, 1861.) Interior fragment, light grey color, flecked with bright iron grains.	1
	1899 Fell July 10	Allegan, Allegan County, Michigan. In place of No. 176, p. 40. Fragment 29 x 42 x 66 mm. Thick dull-black crust on one side. 124 grammes Fragment 30 x 45 x 77 mm., showing no crust. 139 grammes Fragment 40 x 45 x 47 mm. Crust on one face. 142 grammes	405
389	1803 Fell Oct. 8	Apt (Saurette), Vaucluse, France. Described, Bourdon, 1803. Philos. Mag., Vol. 17, pp. 271-274. Fragment 9 x 14 x 29 mm. Dull black granulated crust on one side. Other side fractured surface, showing a bluish-grey groundmass, covered with numerous small rust stains, and thickly flecked with iron and troilite grains.	5

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
390	1852 Found	Barratta, Deniliquin, New South Wales. Described, Liversidge, 1872, Trans. Roy. Soc., N. S. Wales, 1872, p. 97. Triangular fragment 15 x 19 x 23 mm. Dull, granulated, reddish-brown crust on one side. Groundmass black-grey, thickly sprinkled with bright iron grains.	8
391	1861 Fell May 14	Canellas, near Barcelona, Spain. Described, Greg, 1861, Philos. Mag., Vol. 22, pp. 107, 108. Interior fragment 5 x 15 x 19 mm. Light grey groundmass, thickly spotted with small, yellowish-brown rust spots, and flecked with minute iron grains.	3
392	1848 Fell May 20	Castine, Hancock County, Maine. Described, Shepard, 1848, Am. Jour. Sci., Ser. 2, Vol. 6, pp. 251-253. Interior fragment, light grey color, sprinkled with minute bright iron grains.	1
393	1853 Fell March 6	Duruma, Wanikaland, East Africa. Described, Greg, 1862, Philos. Mag., Vol. 24, p. 538. Interior fragment 12 x 12 x 16 mm. One face polished, showing a grey groundmass much stained with iron oxide, giving it a mottled grey and brown appearance, and thickly sprinkled with bright iron grains.	5
394	1889 Found	Eli Elwah, fifteen miles west of Hay, New South Wales. Described, Liversidge, 1891, Proc. Austr. Assoc. Adv. Sci., ii., p. 388. Interior fragment 9 x 12 mm. Groundmass dark brown from oxidation. One face polished, showing bright iron grains scattered through it.	1
395	1844 Fell Oct. 21	Favars, Aveyron, France. Described, Boisse, 1844, L'Institut, Nr. 570, Vol. 12, p. 399. Fragment 9 x 21 mm. Small patch of black crust on one end. Two surfaces polished, showing a dark grey groundmass, thickly flecked with bright iron grains.	5

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
	1890 Fell May 2	Forest, Winnebago County, Iowa. For where described, see No. 233, p. 51. A fragment 38 x 42 x 83 mm. Two-thirds of it covered with thick black crust. One face shows a thin secondary crust, while another shows fractured surface somewhat stained. 273 grammes 7 additional stones. 877 grammes	1,150
396	1826 Fell May 25	Galapian, nr. Agen, Lot-et-Garonne, France Described, Férussac, Bull. des Sc. Naturelles, Vol. II., p. 420. Interior fragment 8 x 15 x 17 mm. Coarse, crystalline, light-grey groundmass, flecked with troilite and bright iron grains.	3
397	1879 Fell May 17	Gnadenfrei, Prussian Silesia. Described, Galle, 1879, Jahresber. schles. Ges. f. vaterl. Cult., Vol. 37, pp. 166-169. Interior fragment 12 x 15 x 22 mm. A rather fine-grained, bluish-grey groundmass, thickly filled with darker grey chondrules, and flecked with minute iron and troilite grains.	6
398	1859 Fell March 28	Harrison County, Indiana. Described, Smith, 1859, Am. Jour. Sci., Ser. 2, Vol. 28, pp. 409-411. Three interior fragments of light grey color, spotted with brown rust stains, and sparsely flecked with bright iron grains.	2
399	1894 Found April 10	Jerome, Gove County, Kansas. Described, Washington, 1898, Am. Jour. Sci., Ser. 4, Vol. 5, pp. 447-454. Fragment 25 x 32 x 39 mm. Portions of two sides covered by a thin dark-brown crust. Balance fractured surface, showing a fine-grained, compact groundmass of a dark rusty brown color, flecked with bright iron grains.	63
400	1845 Fell July 14	Le Teilleul, La Vivionnière, Manche, France Described, Daubrée, 1879, Comptes Rendus, Vol. 88, pp. 544-547. Fragment 7 x 10 x 12 mm. Dull, brownish-black, granulated crust on one side. One face polished, showing a yellowish-brown groundmass, due to iron stains, sparingly flecked with bright iron grains.	2

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		Long Island, Phillips County, Kansas. For where described, see No. 276, p. 59. Slice 160 x 170 mm. 1,925 grammes Slice 135 x 180 mm. Crust on one edge. 2,185 grammes	4,110
401	1836 Fell Nov. 11	Macao, Rio Grande do Norte, Brazil. Described, Berthou, 1837, Comptes Rendus, Vol. 5, p. 211. Interior fragment 10 x 21 x 22 mm. One face polished, showing a light grey groundmass, sprinkled with yellowish-brown rust spots, and flecked with bright iron grains.	5
	1870? Fell	MacKinney, Collin County, Texas. In place of No. 281, p. 60. Slice 280 x 320 mm., exterior of mass on edges, one face polished. 2,570 grammes Half of large octagonal mass, showing polished face, 290 x 360 mm., depth 250 mm. All the exterior of the mass is of a yellowish brown color. 47,174 grammes	49,744
402	1801 Fell Dec. 22	Mauritius, Isle de France, Indian Ocean. Described, Bory de Saint-Vincent, 1804, Voyage dans les quatre principales îles des mers d'Afrique (1801 to 1802), Vol. 3, an XII (1804), pp. 254-262. Fragment 12 x 15 x 31 mm. Dull black crust on one side. One face polished, showing a light grey groundmass with numerous irregular darker grey fragments, giving it a strongly brecciated appearance, the whole being moderately flecked with bright iron grains.	6
	1899 Found	Ness County, Kansas. See No. 309, p. 66, for where described. Complete stone, a somewhat elongated octahedron in form, 44 x 46 x 67 mm. Entirely coated with a dull brown crust.	185
403	1895 Found Spring	Oakley, Logan County, Kansas. Described, Preston, 1900, Am. Jour. Sci., Ser. 4, Vol. 9. Complete slice 245 x 295 mm. Crust on edges. One face polished, showing a greyish-black compact	8,910

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		groundmass, thickly flecked with small bright iron grains. 2,347 grammes End piece 45 x 240 x 290 mm. Back entirely covered with a dull reddish-brown crust. Face polished, showing characters similar to above. 6,563 grammes	
1868	Fell Jan. 30	Pultusk, Sielce Nowy, Poland. For where described, see No. 329, p. 70. A very interesting suite of about two hundred specimens of this fall, ranging in size from a gooseberry to a small apple.	8,000
404	1866 Found about	Rushville, four or five miles south-east of Brockville, Franklin County, Indiana. Fragment 5 x 7 x 20 mm. Dull black crust on one surface, balance fractured surface, showing a dark-grey groundmass, more or less spotted with small, reddish-brown rust spots and flecked with bright iron grains. 1 gramme Fragment 10 x 15 x 20 mm. 5 grammes Fragment 19 x 20 x 23 grammes. 14 grammes	20
405	1848 Fell Dec. 27	Ski, Amt Akershuus, Norway. Described, Ditten, 1854, University programme, Christiana, 1854, p. 82. Interior fragment 5 x 6 x 17 mm. Light grey groundmass, flecked with bright iron and troilite grains.	1
406	1857 Fell April 5	Stavropol, north side of the Caucasus, Rus. Described, Abich, 1860, Bull. Petersburg Akad., Vol. 2, pp. 404-422, 433-440. Interior fragment 5 x 11 x 21 mm. One face polished, showing a compact, greenish-black groundmass, flecked with bright iron and troilite grains.	2
407	1883 Fell Jan. 28	St. Caprais-de-Quinsac, Gironde, France. Described, Lespialt et L. Forquignon, 1883, Comptes Rendus, Vol. 97, pp. 1022, 1023. Interior fragment 9 x 18 x 20 mm. Groundmass light grey, with numerous minute yellowish-brown rust spots, and flecked with bright iron grains.	4

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
SIDEROLITES.			
408	Prehistoric	Anderson, Altar of Mound 3, Turner Group, Little Miami Valley, Ohio. Found by F. W. Putnam, 1883. Described, Kinnicut, 1884, Rep. Peabody Museum, Vol. 3, pp. 171-173, 202, 381-384. Fragment 9 x 10 mm., very much oxidized; from an ornament from the ashes of the altar.	1
409	1842 Fell July 14	Barea, Logrono, Spain. Described, Greg, 1854, Catalogue, Philos. Magaz., Vol. 8, p. 460. Fragment 8 x 18 x 22 mm. One face polished, showing a reddish-brown groundmass thickly flecked with bright iron grains.	5
410	1857 Found	Macquaire River, New South Wales. Slice 31 x 40 mm. Crust on edges. Two faces polished, showing a black, compact groundmass, thickly sprinkled with bright iron grains.	14
SIDERITES.			
411	1887 Described	Abert Iron (from the United States National Museum Collection.) Described, Riggs, 1887, Am. Jour. Sci., Ser. 3, Vol. 34, p. 59. Slice 35 x 50 mm. Crust on edges. One face etched, showing well marked Widmanstätten figures.	49
412	1839 Described	Baird's Farm, Asheville, Buncombe Co., North Carolina. Described, Shepard, 1839, Am. Jour. Sci., Ser. 1, Vol. 36, pp. 81-85. A small slice 17 x 24 mm. One face etched, showing well marked Widmanstätten figures.	5

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
1888	Found	Bischtübe, Nikolaev, Turgai, Russia. For where described, see No. 13, page 3. Slice about 130 x 230 mm., showing large well-marked Widmanstätten figures.	1,890
1891	Found	Cañon Diablo, Arizona. For where described, see No. 24, page 5. Complete mass 265 x 475 x 605 mm. Beautifully pitted on all sides, the front with large size pittings, while the back is remarkable for the number of narrow, deep, finger-like pittings.	252.574
1804	Mentioned	Charcas, San Luis Potosi, Mexico. In place of No. 29, p. 7. A slice 200 x 330 mm.	3,200
1881	Found	Costilla Peak, Cimarron Range, New Mex. In place of No. 38, page 9. Complete section 113 x 305 mm. Characters similar to No. 38, p. 9, with the exception that this slice contains one troilite 9 mm. in diameter, and numerous smaller ones. 1,740 grammes Section 100 x 310 mm. One face etched, one end polished. Back and other three sides crust, showing typical pittings. 6,350 grammes	8,090
1854	Found	Cranbourne, Melbourne, Victoria, Australia For where described, see No. 40. Slice 105 x 210 mm. Face etched, showing very broad, distinct Widmanstätten figures. Also six troilite nodules surrounded by schreibersite, the largest 55 mm. in diameter.	2,615
413	1856 Known	Denton County, near Austin, Texas. Described, Shumard, 1860, Trans. St. Louis Acad. of Sci., Vol. 1 (1856-60), pp. 623-629. A section of slice 18 x 27 mm. Crust on one edge. One face etched, showing well marked Widmanstätten figures, and sharp laphamite lines.	17
414	1897 Found	Illinois Gulch, Deer Lodge Co., Montana. Described, Preston, 1900, Am. Jr. Sc., Ser. 4, Vol. 9. End piece 58 x 58 x 100 mm. Face polished, back exterior of mass. Etched face shows no figures, but a	830

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
		series of indistinct bright plates associated with a darker colored iron, with an obscure mark of contact between them. Over this surface are a number of brighter small crystals which are probably rhabdite. The section shows two troilites, one 6 mm. largest diameter, with numerous small fractures or fissures extending in various directions from it, which are likewise filled with troilite.	
415	1898 Found June	Iredell, Bosque County, Texas. Described, Foote, 1899, Am. Jour. Sci., Ser. 4, Vol. 8, pp. 415, 416. End piece 19 x 35 mm. Back shows exterior of mass. Face etched, showing no figures, but numerous minute pittings. 8 grammes End piece 20 x 35 mm. Characters similar to above. 11 grammes	19
416	1862 Found	Kokomo, Howard County, Indiana. Described, Smith, 1874, Am. Jour. Sci., Ser. 3, Vol. 7, pp. 391, 392. Thin slice 33 x 60 mm. Crust on three edges. One face etched, showing no Widmanstätten figures, but one section of troilite, 2 mm. in diameter, entirely penetrating the slice.	22
417	1855 Found	Lucky Hill, St. Elizabeth, Jamaica. Described, Harris, 1859, Dissert. Gött., p. 58. Dark yellow powder and fragments in vial resembling Limonite.	2
418	1892 Found	Morradal, Grjotlien, Norway. Described, Brezina, 1895, Vienna Collection, p. 297. Slice 15 x 24 mm. One face etched, showing no Widmanstätten figures, but a commingling of silver-white flakes through a dark grey groundmass.	5
419		Mount Ouray, Chaffee County, Colorado. End piece 11 x 47 x 76 mm. Face etched, showing somewhat obscure Widmanstätten figures, due to the great breadth of the kamacite bands. Over the surface are scattered several patches of schreibersite, the largest being 4 x 12 mm. in its greatest diameter.	120

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
420	1866 Found in Spring of	Mukwonago, Waukesha Co., Wisconsin. To be described. Fragment 9 x 22 x 26 mm. One face polished, showing somewhat indistinct Neumann lines. Portion of one side shows exterior of mass which is an oxidized surface rather than crust.	15
421	1847 Found	Murfreesboro, near Nashville, Rutherford County, Tenn. Described, Troost, 1848, Am. Jour. Sci., Ser. 2, Vol. 5, pp. 35 ¹ , 35 ² . Rectangular slab 21 x 35 mm. Crust on one end. One face etched, showing large, characteristic Widmanstätten figures.	16
422	1854 Found	Narraburra, twelve miles east of Temora, New South Wales. Described, Russel, 1890, Jour. Roy. Soc., New South Wales, XXII, 1890, p. 81. A section 18 x 29 mm., much fissured or fractured. One face polished and etched, showing Widmanstätten figures.	10
1846 Found		Netschäevo, Tula, Russia. For where described, see No. 95, page 20. Rectangular slice 12 x 20 x 42 mm. Face etched, showing no distinct figures, but numerous plates of schreibersite.	52
1876? Fell		Sacramento Mountains, Eddy Co., New Mexico. In place of No. 114, page 24. Complete slice 145 x 525 mm.	6,115
423	1600 Known	San Gregorio, El Morito, Mexico. Described, Luis Cabrera de Cordoba, 1619, Historia de Felipe Segundo Rey de España, Madrid, 1619, Lib. 13, p. 1163. Section of slice 14 x 32 mm. Crust on one edge. Three edges and both faces etched, showing rather large, distinct Widmanstätten figures.	14

No.	Date of Fall or Find.	DESCRIPTION.	Weight in grammes.
1827 Known		Santa Rosa, Saltillo, Coahuila, Mexico. Described, Burkart, 1856, Neues Jahrbuch, 1856, pp. 277, 278. Complete slice 138 x 175 mm. Face etched, showing Neumann lines, and numerous small troilite sections. <i>(As being a part of the Coahuila group, we do not individualize Santa Rosa by giving it a number.)</i>	752
424	1888 Found	St. Genevieve County, Missouri. To be described. End piece 230 x 390 x 390 mm. Face etched, showing well-marked Widmanstätten figures. Back exterior of mass, though showing none of the original crust. This mass recently received, and now being cut. 114,000 grammes Complete slice 390 x 390 mm. Face etched, showing well-marked Widmanstätten figures. 5,100 grms.	119,100
425	1878 Found	Tombigbee River, Choctaw and Sumter County, Alabama. Described, 1899, Foote, Am. Jour. Sci., Ser. 4, Vol. 8, pp. 153-156. Complete slice 103 x 140 mm. Face etched, showing a dark-grey groundmass, with numerous small, bright, silvery colored flakes, scattered in groups over the surface. Also many large plates of schreibersite in form like Chinese characters. The Widmanstätten figures are small in size and scarcely perceptible to the naked eye, but with the aid of a lens are brought out sharp and distinct. In certain lights, over the more compact portions of the slice, is visible a bluish-grey sheen, that adds much to the beauty of the section.	530
TERRESTRIAL.			
1870 Found		Ovifak, Disko Island, West Greenland. Rounded mass much fissured and very much oxidized, 120 x 160 x 210 mm.	7,158

SUMMARY OF COLLECTION.

Total number of falls and finds, - - - - -	424
From North America, - - - - -	174
“ South America, - - - - -	18
“ Europe, - - - - -	154
“ Asia, - - - - -	48
“ Africa, - - - - -	12
“ Australia, - - - - -	18
Total weight of entire collection, - - -	1,399,094 grammes. (= 3,084 $\frac{1}{2}$ pounds).
Average weight of each kind, - - - - -	3,300 grammes. (= 7 $\frac{1}{4}$ pounds).
Average weight, counting nothing over 50 kilograms to a kind, - - - - -	1,087 grammes. (= 2 $\frac{1}{2}$ pounds).

ERRATA.

- No. 78, p. 16. For Magdalena, read Luis Lopez. Found 1896.
 “ 83, p. 17. For Missouri, read Central, Missouri.
 “ 123, p. 26. Sedaczim, omit entirely, not authentic.
 “ 138, p. 29. For Found 1895, read May 12, 1888.



PEROLITE.
Pultusk,
Poland
Fall Jan. 30th 1868.



SIDERITE.
San Angelo,
Tom Green Co
Texas
Found about July 1881

STYLE OF MOUNTING USED IN ENTIRE COLLECTION.
(Pedestals solid mahogany, with celluloid labels.)

CASTS OF METEORITES.

We have as an adjunct to the collection a series of sixty-four casts of meteorites, which were made before cutting the specimens into slices. Being carefully colored, they are *exact facsimiles* of the original masses as found, showing clearly the external characteristics, as dimensions, pittings, form, color, etc.



CHUPADEROS.

SIDERITES.

Babb's Mills, Greene County, Tennessee. Mentioned 1842.
Size, $5\frac{1}{4} \times 10 \times 35\frac{1}{2}$ inches. Original weight about 30 pounds.

Ballinoo, West Australia. Found 1893.
Size, $4\frac{1}{2} \times 10\frac{3}{4} \times 15\frac{1}{2}$ inches. Original weight 93 pounds.

Bella Roca, Durango, Mexico. Found 1888.
Size, $5\frac{1}{2} \times 8 \times 13\frac{1}{2}$ inches. Original weight $72\frac{3}{4}$ pounds.

Bingara, New South Wales. Found 1880.
Size, $1\frac{3}{4} \times 1\frac{3}{4} \times 2\frac{1}{2}$ inches. Original weight $8\frac{1}{2}$ ounces.

Braunau, Hauptmannsdorf, Bohemia. Fell July 14, 1847.
Size, $5\frac{1}{2} \times 7\frac{1}{2} \times 8\frac{3}{4}$ inches. Original weight 42 pounds, 3 ounces.

Cabin Creek, Johnson County, Arkansas. Fell March 27, 1886.
Size, $5 \times 15\frac{1}{2} \times 17\frac{1}{2}$ inches. Original weight $107\frac{1}{2}$ pounds.

Carlton, Hamilton County, Texas. Found 1887.
Size, $9 \times 13 \times 17\frac{1}{2}$ inches. Original weight 179 pounds.

Chilcat, Portage Bay, Chilcat Inlet, Alaska. Fell 1871?
Size $6 \times 12\frac{1}{2} \times 13$ inches. Original weight $96\frac{3}{4}$ pounds.

Chupaderos, Chihuahua, Mexico. Found 1581.
Size $20 \times 66 \times 73$ inches. Original weight 20,480 pounds.
(This model, made by the Mexican Government, is of *papier maché*.)

Cleveland (Lea Iron), East Tennessee. Found 1860.
Size, $8 \times 16\frac{1}{2} \times 18\frac{1}{2}$ inches. Original weight 254 pounds.

Costilla Peak, New Mexico. Found 1881.
Size, $5\frac{1}{4} \times 9 \times 12\frac{1}{4}$ inches. Original weight 78 pounds.

Glorieta Mountain, Santa Fe County, New Mexico. Found 1884.
Size, $6\frac{1}{2} \times 10 \times 16\frac{1}{2}$ inches. Original weight 115 pounds.

Hex River, Cape Colony, South Africa. Found 1882.
Size, $8 \times 9\frac{1}{8} \times 12\frac{1}{4}$ inches. Original weight 123 pounds, 12 ounces.

Joe Wright Mountain, Independence Co., Arkansas. Found 1884.
Size, $8\frac{1}{2} \times 8\frac{1}{2} \times 16\frac{3}{4}$ inches. Original weight 94 pounds.

Juncal, Atacama, Chili, S. A. Found 1866.
Size, $6\frac{3}{4} \times 7\frac{1}{8} \times 12\frac{1}{2}$ inches. Original weight 229 pounds, 4 ounces.

Kenton County, Kentucky. Found August, 1889.
Size, $8 \times 14 \times 21$ inches. Original weight 359½ pounds.

Kokstad, Griqualand, South Africa. Described 1887.
Size, $3\frac{1}{2} \times 12\frac{1}{2} \times 26$ inches. Original weight 93 pounds, 14 ounces.

Luis Lopez, Socorro County, New Mexico. Found 1896.
Size, $3\frac{1}{4} \times 5 \times 7\frac{3}{4}$ inches. Original weight 15 pounds, $3\frac{1}{2}$ ounces.

Merceditas, Chañaral, Atacama, Chili. Known 1884.
Size, $6\frac{1}{2} \times 8 \times 13$ inches. Original weight $94\frac{1}{2}$ pounds.

Mungindi, Queensland, Australia. Found 1897.
Size, $6\frac{3}{4} \times 9\frac{3}{4} \times 15\frac{1}{2}$ inches. Original weight 62 pounds.

Nocoleche, New South Wales. Known 1895.
Size $6 \times 9\frac{1}{4} \times 9\frac{1}{4}$ inches. Original weight 44 pounds 2 ounces.

- Plymouth**, Marshall County, Indiana. Found 1893.
Size $2 \times 7\frac{3}{8} \times 12\frac{1}{2}$ inches. Original weight about 32 pounds.
- Puquios**, Chili, South America. Found 1885.
Size $3\frac{1}{4} \times 5\frac{1}{4} \times 9\frac{1}{4}$ inches. Original weight 14 pounds $7\frac{1}{2}$ ounces.
- Roebourne**, West Australia. Found 1892.
Size $6\frac{3}{4} \times 13\frac{1}{2} \times 22\frac{1}{2}$ inches. Original weight 191 $\frac{1}{2}$ pounds.
- Rosario**, Olancho, Honduras, Central America. Found 1897.
Size $2\frac{7}{8} \times 3\frac{1}{4} \times 4\frac{7}{8}$ inches. Original weight 6 pounds 9 ounces.
- Sarepta**, Saratov, Russia. Found 1854.
Size $4 \times 8 \times 8\frac{3}{4}$ inches. Original weight 31 pounds 9 ounces.
- Scottsville**, Allen County, Kentucky. Found 1867.
Size $5\frac{3}{4} \times 6\frac{1}{2} \times 7$ inches. Original weight 22 pounds.
- Staunton**, Augusta County, Virginia. Found 1858.
Size, $7\frac{1}{4} \times 10\frac{3}{8} \times 17\frac{1}{2}$ inches. Original weight 152 pounds.
- Thurlow**, Ontario, Canada. Found May 12, 1888.
Size, $4 \times 6 \times 6$ inches. Original weight 11 pounds.
- Welland**, Ontario, Canada. Found 1888.
Size, $2\frac{7}{8} \times 6 \times 8$ inches. Original weight 17 $\frac{3}{4}$ pounds.
- Werchne-Udinsk**, Niro River, Russia. Found 1854.
Size, $4\frac{7}{8} \times 6\frac{1}{2} \times 11$ inches. Original weight 40 pounds 12 ounces.
- Wichita County**, Brazos River, Texas. Found 1836.
Size, $7 \times 12\frac{1}{4} \times 16\frac{3}{4}$ inches. Original weight 320 pounds.

SIDEROLITES.

- Breitenbach**, Erzgebirge, Bohemia. Found 1861.
Size, $5\frac{3}{4} \times 7 \times 9\frac{3}{4}$ inches. Original weight 22 pounds 14 ounces.
- Brenham**, Kiowa County, Kansas. Found 1885.
Size, $5\frac{1}{2} \times 6\frac{5}{8} \times 7\frac{7}{8}$ inches.
- Crab Orchard**, Rockwood, Tenn. Found 1887.
Size, $9 \times 10 \times 15$ inches. Original weight 85 pounds.

ÆROLITES.

- Akburpur**, Saharanpur, North-west Provinces, India. Fell April 18th, 1838. Size, $3\frac{1}{2} \times 4\frac{1}{2} \times 5$ inches. Original weight 4 pounds.
- Bluff**, Fayette County, Texas. Found 1878.
Size, $12\frac{1}{2} \times 18\frac{1}{2} \times 20\frac{1}{2}$ inches. Original weight 321 pounds 3 ounces.
- Bustee**, near Goruckpur, India. Fell December 2, 1852.
Size, $3\frac{3}{4} \times 4\frac{3}{4} \times 5$ inches. Original weight 3 pounds.
- Butsura**, Qutahar Bazaar, Bengal, India. Fell May 12, 1861.
Size, $7\frac{1}{4} \times 8\frac{1}{2} \times 14\frac{1}{2}$ inches.
- Butsura**, Piprassi, Bengal, India. Fell May 12, 1861.
Size, $3\frac{1}{2} \times 5\frac{1}{4} \times 10\frac{1}{4}$ inches.
- Butsura**, Chireya, Bengal, India. Fell May 12, 1861.
Size, $3\frac{3}{4} \times 4\frac{1}{2} \times 8\frac{1}{2}$ inches.
- Butsura**, Bulloah, Bengal, India. Fell May 12, 1861.
Size $1\frac{1}{2} \times 2\frac{1}{4} \times 2\frac{3}{4}$ inches.
- Butsura**, Bengal, India. Fell May 12, 1861. (Five pieces, including above four, put together, forming one stone.)
Size, $11\frac{1}{4} \times 14\frac{1}{2} \times 14\frac{1}{2}$ inches.
- De Cewsville**, Ontario, Canada. Fell January 21, 1887.
Size, $2 \times 2\frac{1}{4} \times 2\frac{3}{4}$ inches. Original weight 12 ounces.
- Durala**, N. W. of Kurnal, Punjab, India. Fell Feb. 18, 1815.
Size, $7 \times 8\frac{1}{2} \times 10$ inches. Original weight 29 pounds.
- Farmington**, Washington County, Kansas. Fell June 25, 1890.
Size, $8 \times 15\frac{1}{4} \times 18\frac{1}{2}$ inches. Original weight 180 pounds.
- Goalpara**, Assam, India. Found 1868.
Size, $2\frac{3}{4} \times 5\frac{1}{2} \times 5\frac{7}{8}$ inches.
- Goalpara**, Assam, India. Found 1868.
Size, $2\frac{3}{4} \times 3\frac{7}{8} \times 4\frac{5}{8}$ inches.
- Homestead**, West Liberty, Iowa Co., Iowa. Fell Feb. 12, 1875.
Size, $7\frac{1}{4} \times 9\frac{1}{2} \times 9\frac{7}{8}$ inches.
- Karakol**, Ajagus, Kirghiz Steppes, Russia. Fell May 9, 1840.
Size, $3\frac{3}{8} \times 5 \times 5\frac{7}{8}$ inches. Original weight 6 pounds 6 ounces.
- Khiragurh**, S. E. of Bhurtpur, India. Fell March 28, 1860.
Size, $2 \times 2\frac{1}{2} \times 3$ inches.

Krähenberg, Zweibrücken, Rhenish Bavaria. Fell May 5, 1869.

Size, $4\frac{3}{4} \times 8\frac{1}{4} \times 11$ inches. Original weight 36 pounds 5 ounces.

MacKinney, Collin County, Texas. Fell 1870 ?

Size, $6 \times 6\frac{7}{8} \times 8$ inches.

Middlesbrough, Yorkshire, England. Fell March 14, 1881.

Size, $3\frac{1}{4} \times 4\frac{1}{4} \times 6$ inches. Original weight 3 pounds $8\frac{1}{4}$ ounces.

Misshof, Baldon, Courland, Russia. Fell April 10, 1890.

Size, $5 \times 5\frac{1}{2} \times 7$ inches. Original weight 12 pounds 12 ounces.

Nagy-Divina, near Budetin, Trentschin, Hungary. Fell July 24,

1837. Size, $6 \times 9 \times 9\frac{1}{2}$ inches. Original weight 23 pounds $1\frac{1}{2}$ ounces.

New Concord, Muskingum County, Ohio. Fell May 1, 1860.

Size, $2 \times 2\frac{1}{2} \times 3\frac{1}{4}$ inches.

Parnallee, Madras, India. Fell February 28, 1857.

Size, $10\frac{1}{2} \times 14 \times 17$ inches. Original weight 163 pounds $1\frac{1}{2}$ ounces.

Segowlie, Bengal, India. Fell March 6, 1853.

Size, $5\frac{1}{4} \times 6\frac{1}{4} \times 8$ inches.

Segowlie, Bengal, India. Fell March 6, 1853.

Size, $3\frac{3}{4} \times 4 \times 4$ inches.

Segowlie, Bengal, India. Fell March 6, 1853.

Size, $2\frac{3}{4} \times 2\frac{3}{4} \times 3\frac{1}{2}$ in. (The above three are portions of the same stone.)

Segowlie, Bengal, India. Fell March 6, 1853.

Size, $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{3}{4}$ inches.

Wold Cottage, Thwing, Yorkshire, England. Fell Dec. 13, 1795.

Size, $6 \times 9 \times 9$ inches. Original weight 56 pounds.

Yatoor, Nellore, Madras, India. Fell January 23, 1852.

Size, $6\frac{3}{4} \times 8 \times 8\frac{1}{4}$ inches. Original weight 30 pounds.

MEDALS OF METEORITES.

The people of antiquity looked upon the heavenly bodies as the places of abode of gods and beings higher than mankind. Thus it came to pass that they gave divine worship to objects which were seen to fall from the celestial spaces. They built special temples, in which they preserved them with sacred care. They were also displayed for public worship under a priest appointed for the especial purpose. These Meteorites received from the early Greeks the name Betyls (*Βετυλος*), probably from the earlier Hebrew Beth-el, or home of God. In the early centuries—both B. C. and A. D.—the habit prevailed in Macedonia, Cyprus, Mallos, Perge, Sidon, Tripolis, Tyrus and many other places to make medals to commemorate the fall of meteorites. Such medals were struck by order of Philip II, Alexander III, Augustus, Caligula, Vespasian, Trajan, Marcus Aurelius, Septimus Severus, Heliogabalus, Tacitus and others. Dr. Aristid Brezina, of Vienna, has given much study to this numismatic meteorology. From him our collection has obtained a series of 60 casts of Meteorite Medals. We restrict our mention to four of these which are figured below. They are:

Paphian Venus. (Fig. 1.)

A pointed, conical stone; the sacred simulacrum of Paphian Venus, which was worshipped for many ages in the Isle of Cyprus. Medals struck by Galba, (68-69); Vespasian (69-79); Trajan (98-117) A. D.



FIG. 1.



FIG. 2.

Diana Pergäa. (Fig. 2.)

A bee-hive shaped stone in a two-pillared temple; the simulacrum of Diana of Perge (Pamphylia, Asia Minor). Copper and silver coins of Trajan (98-117 A. D.). Also silver coin struck by the same emperor (showing same stone simulacrum) in Rome.

Zeus Kasios. (Fig. 3.)

The stone (a simulacrum of Zeus Kasios) is hanging by a chain from a four-pillared temple or frame, in Seleucia, Pieria, Northern Syria. Medal of Trajanus (98-117 A. D.).



FIG. 3.



FIG. 4.

Emisa. (Fig. 4)

A conical stone, carried on a quadriga under four sunshades. Medals struck by Antonius Pius (138-161 A. D.) in Emisa, Syria. Afterwards taken to Rome by Elagabalus (218-222), where he struck three silver denarii.

Herodotus says of this Batyl: "A large stone, which on the lower side is round, and above runs gradually to a point. It has nearly the form of a cone, and is of a black color. *People say of it in earnest that it fell from Heaven.*"

EXPLANATIONS TO PLATES.

Plate I.

- Fig. 1. **Toluca**, showing curved octahedral structure. $\frac{1}{3}$ natural size
- Fig. 2. **El Capitan.** $\frac{1}{3}$ natural size
- Fig. 3. **Glorieta Mountain**, showing curved octahedral structure. $\frac{1}{3}$ natural size
- Fig. 4. **Grand Rapids.** $\frac{1}{6}$ natural size
- Fig. 5. **Plymouth.** $\frac{1}{3}$ natural size
- Fig. 6. **Mount Stirling.** $\frac{1}{3}$ natural size
- Fig. 7. **Staunton.** $\frac{1}{3}$ natural size
- Fig. 8. **Seneca Falls.** $\frac{1}{3}$ natural size
- Fig. 9. **Beaconsfield.** $\frac{1}{3}$ natural size
- Fig. 10. **Welland.** $\frac{1}{3}$ natural size
- Fig. 11. **Hayden Creek.** $\frac{1}{2}$ natural size

Plate II.

- Fig. 1. **Waldron Ridge.** $\frac{1}{3}$ natural size
- Fig. 2. **Bella Roca.** $\frac{1}{6}$ natural size
- Fig. 3. **Thurlow.** $\frac{1}{3}$ natural size
- Fig. 4. **Joe Wright Mountain.** $\frac{1}{3}$ natural size
- Fig. 5. **Cañon Diablo.** $\frac{1}{3}$ natural size
- Fig. 6. **Saint Francois County.** $\frac{1}{3}$ natural size
- Fig. 7. **Youndegin.** $\frac{1}{3}$ natural size
- Fig. 8. **Tonganoxie.** $\frac{1}{3}$ natural size
- Fig. 9. **Wichita Co.** $\frac{1}{3}$ natural size
- Fig. 10. **San Angelo.** $\frac{1}{6}$ natural size
- Fig. 11. **Mungindi.** $\frac{1}{3}$ natural size
- Fig. 12. **Bohumilitz.** $\frac{1}{3}$ natural size
- Fig. 13. **Merceditas.** $\frac{1}{3}$ natural size

Plate III.

- Fig. 1. **Sacramento Mountains.** $\frac{1}{3}$ natural size
- Fig. 2. **Oroville.** $\frac{1}{3}$ natural size
- Fig. 3. **Cranbourne.** $\frac{1}{3}$ natural size
- Fig. 4. **Roebourne.** $\frac{1}{3}$ natural size
- Fig. 5. **Nocolche.** $\frac{1}{3}$ natural size
- Fig. 6. **Augustinowka.** $\frac{1}{2}$ natural size
- Fig. 7. **Glorieta.** $\frac{1}{2}$ natural size
- Fig. 8. **Russel Gulch.** $\frac{1}{3}$ natural size
- Fig. 9. **Thunda.** $\frac{1}{3}$ natural size

Plate IV.

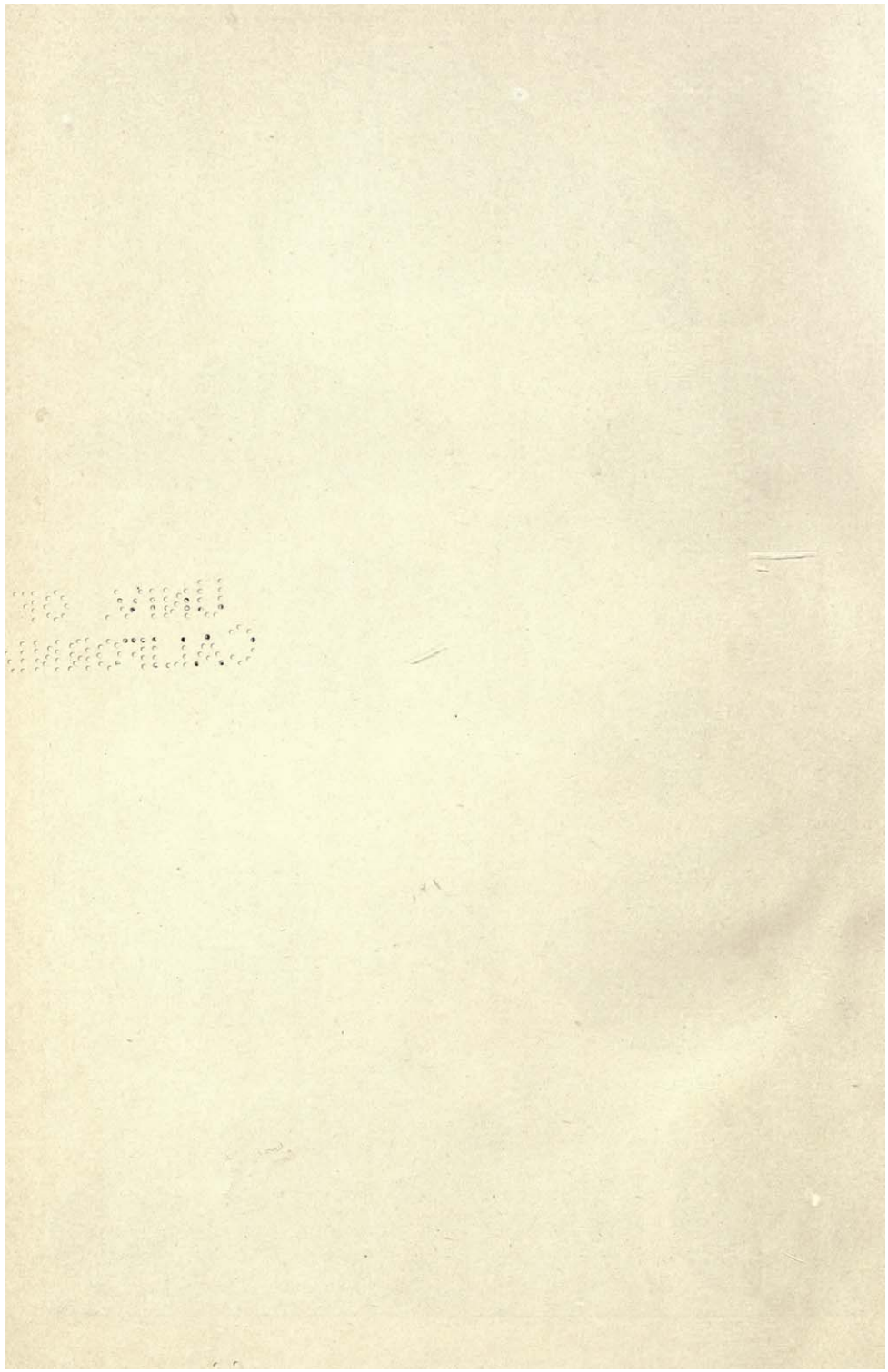
- Fig. 1. **Hamblen Co.** $\frac{1}{3}$ natural size
- Fig. 2. **Brenham** ("Haviland" Meteorite). $\frac{1}{3}$ natural size
- Fig. 3. **Veramin.** $\frac{1}{3}$ natural size
- Fig. 4. **Mincy.** $\frac{1}{4}$ natural size
- Fig. 5. **Medwedewa.** $\frac{1}{2}$ natural size
- Fig. 6. **Homestead.** $\frac{1}{3}$ natural size
- Fig. 7. **Knyahinya**, polished face. $\frac{1}{3}$ natural size
- Fig. 8. **Knyahinya**, nearly complete stone. $\frac{1}{3}$ natural size
- Fig. 9. **New Concord**, polished face. $\frac{1}{3}$ natural size
- Fig. 10. **New Concord**, showing pittings. $\frac{1}{3}$ natural size
- Fig. 11. **Hessle**, complete stone. $\frac{1}{2}$ natural size

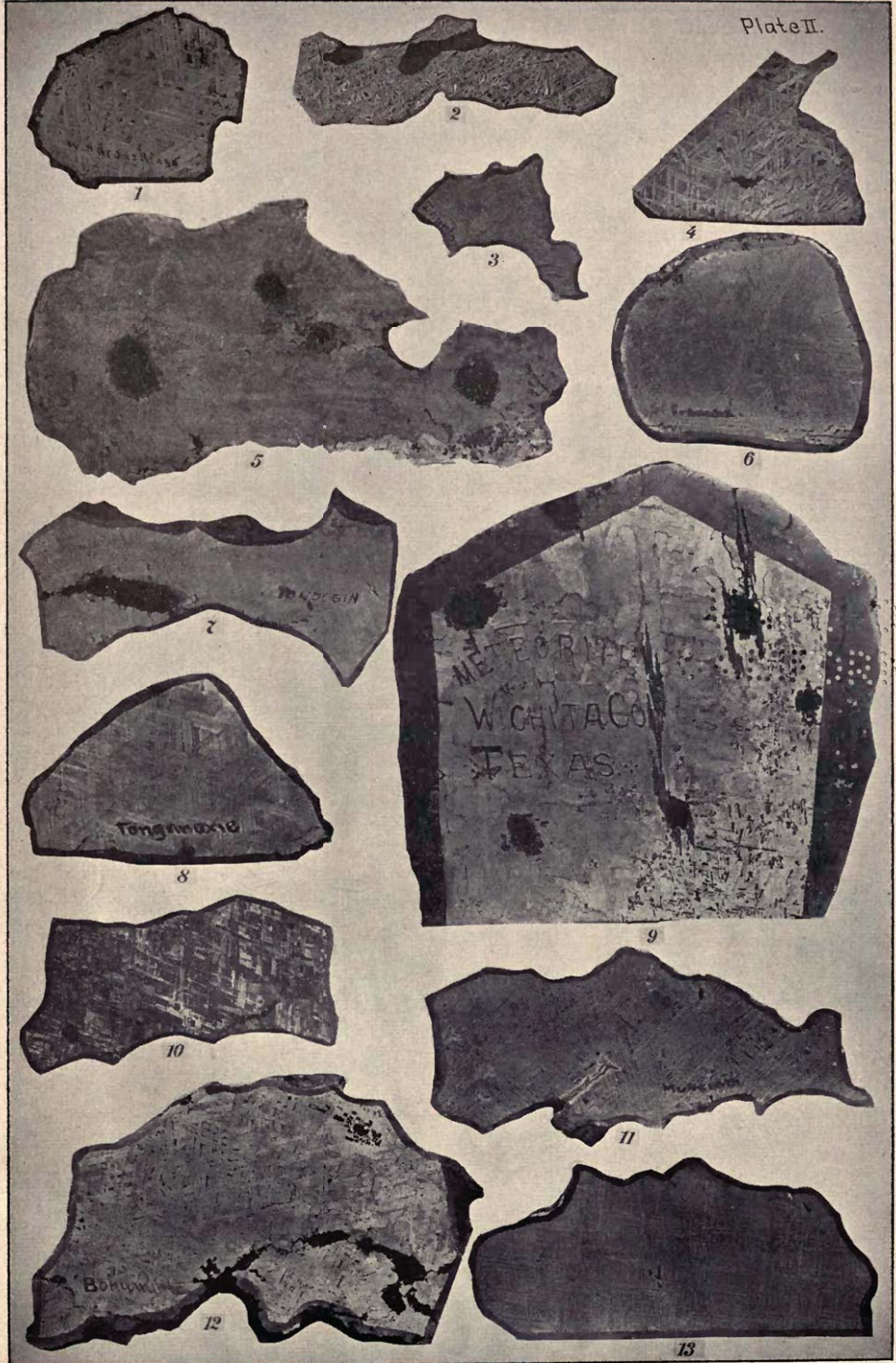
Plate V.

- Carlton**, Hamilton Co. $\frac{1}{2}$ natural size

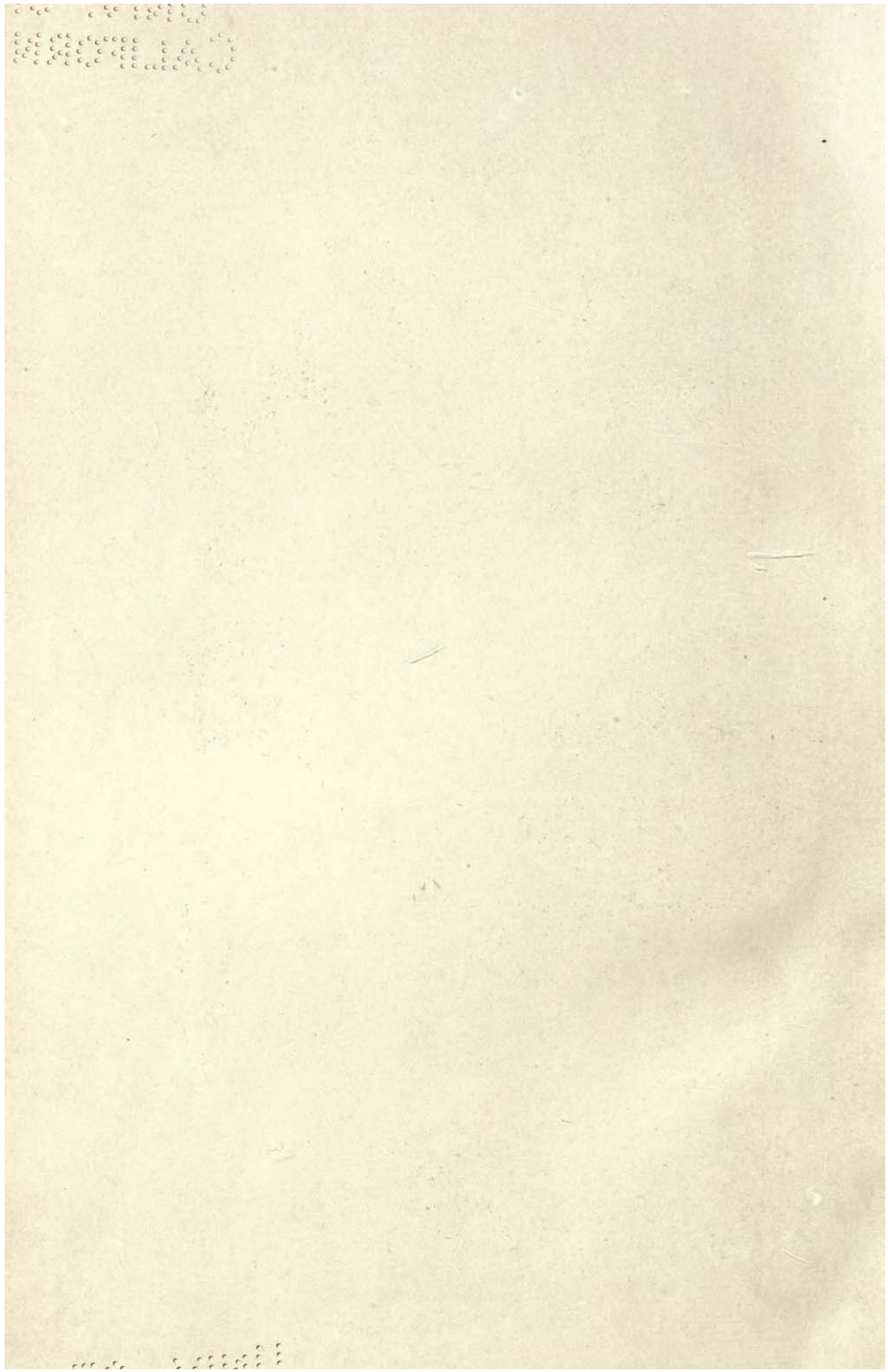
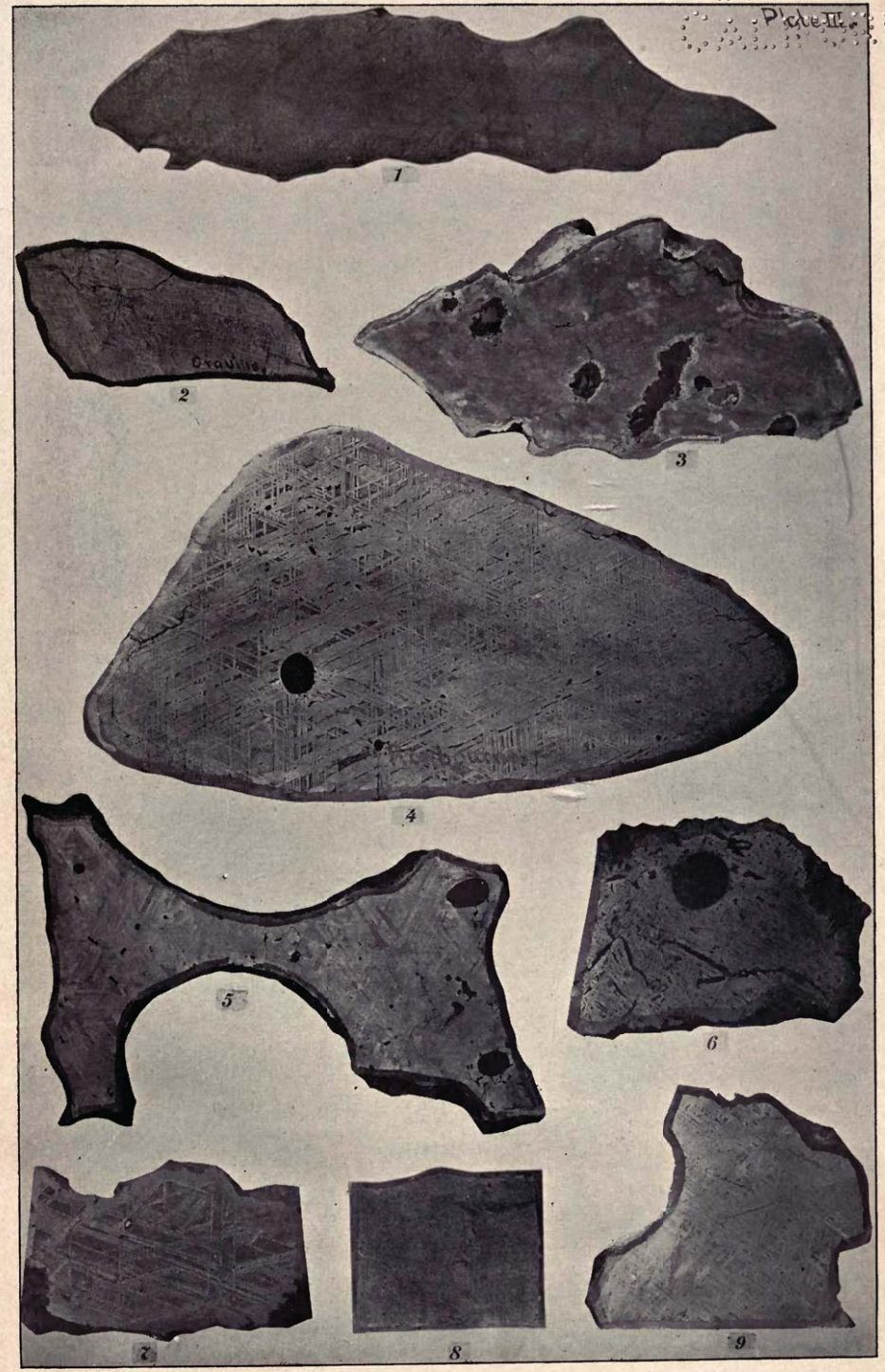
Plate VI.

- Brenham**, Kiowa Co. $\frac{2}{3}$ natural size





A faint, circular stamp or mark is visible on the light-colored surface. The stamp appears to be a circular seal or stamp, but the details are too light to discern clearly. It is located in the upper left quadrant of the page.



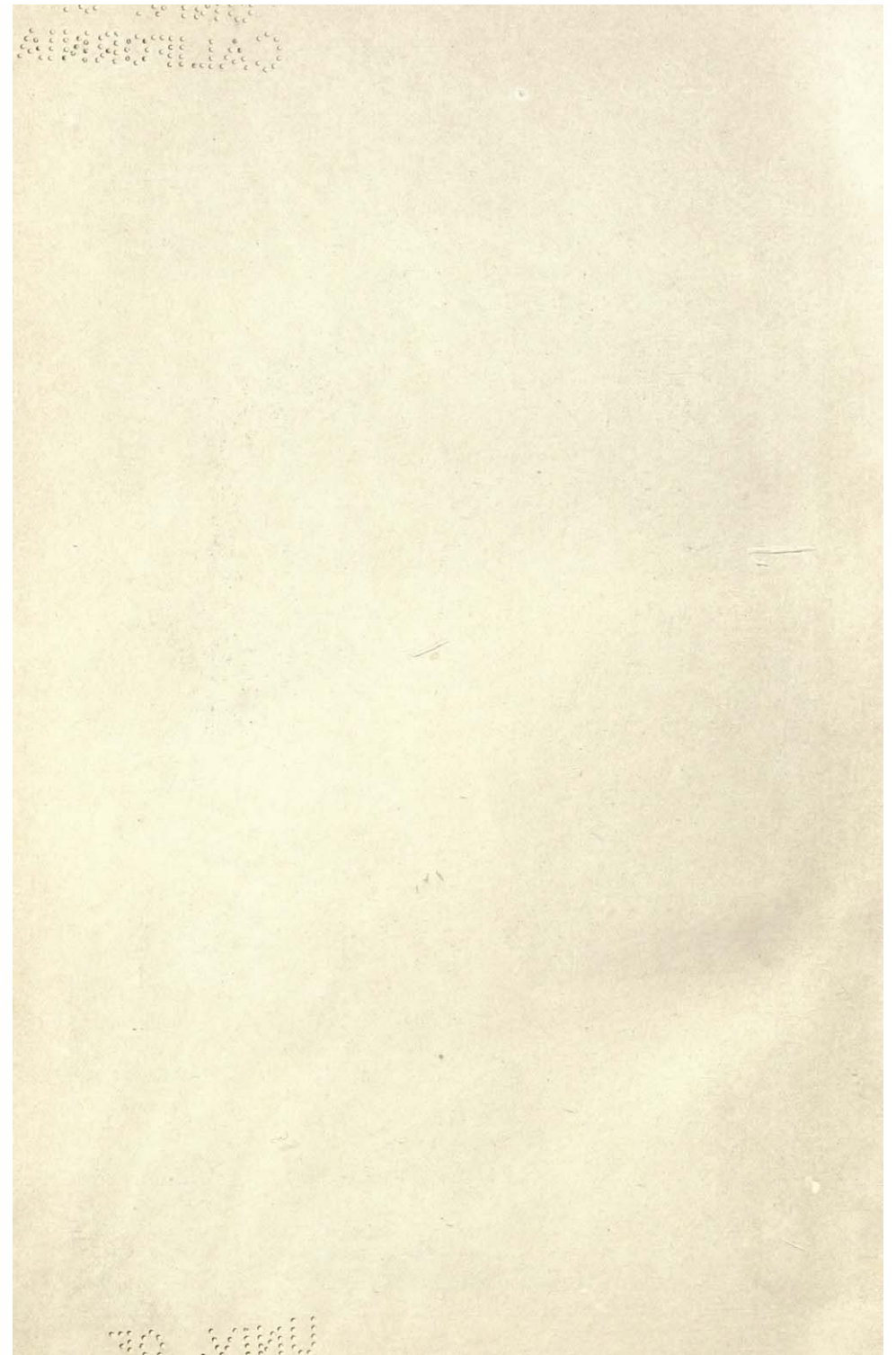
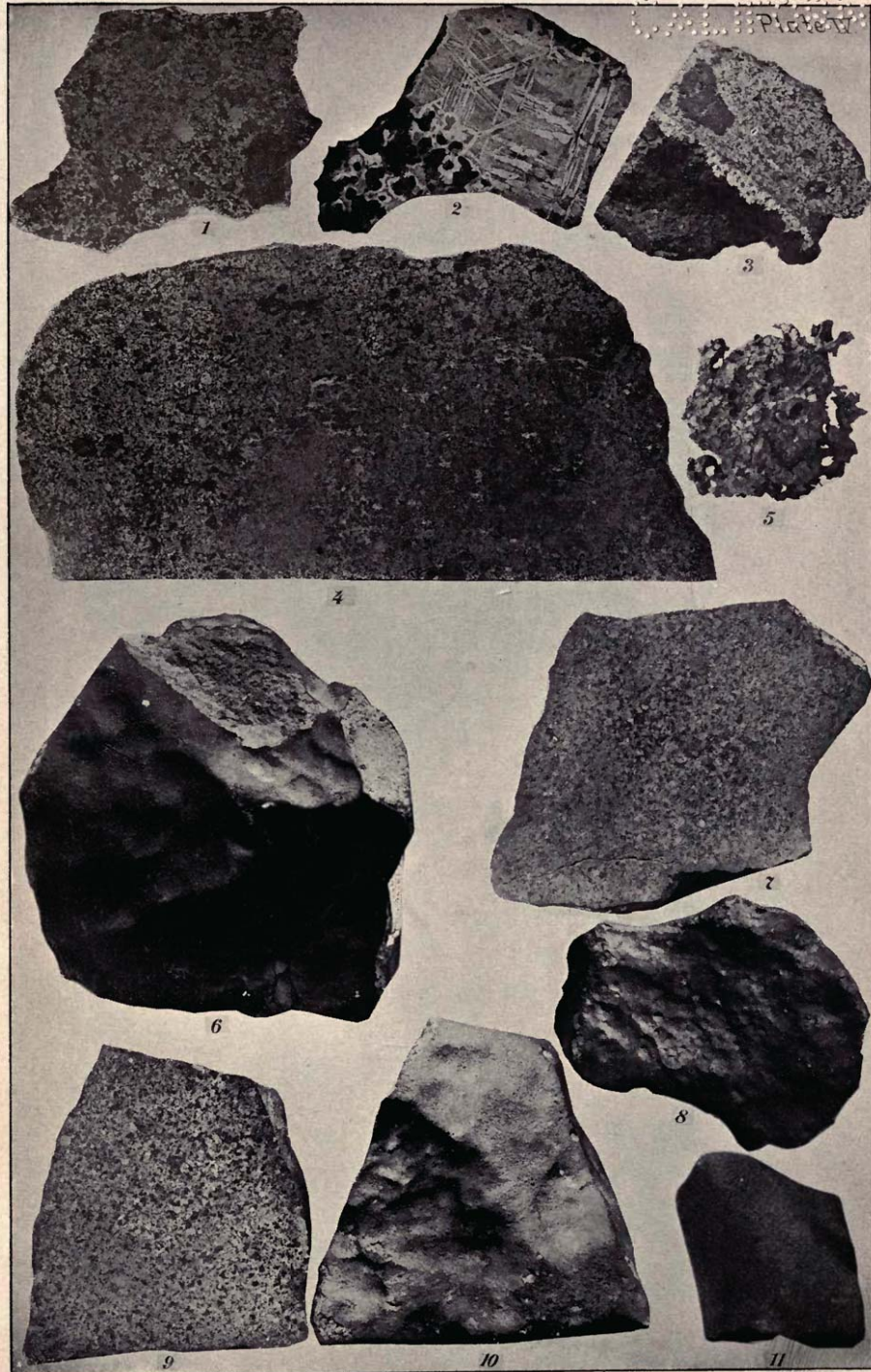


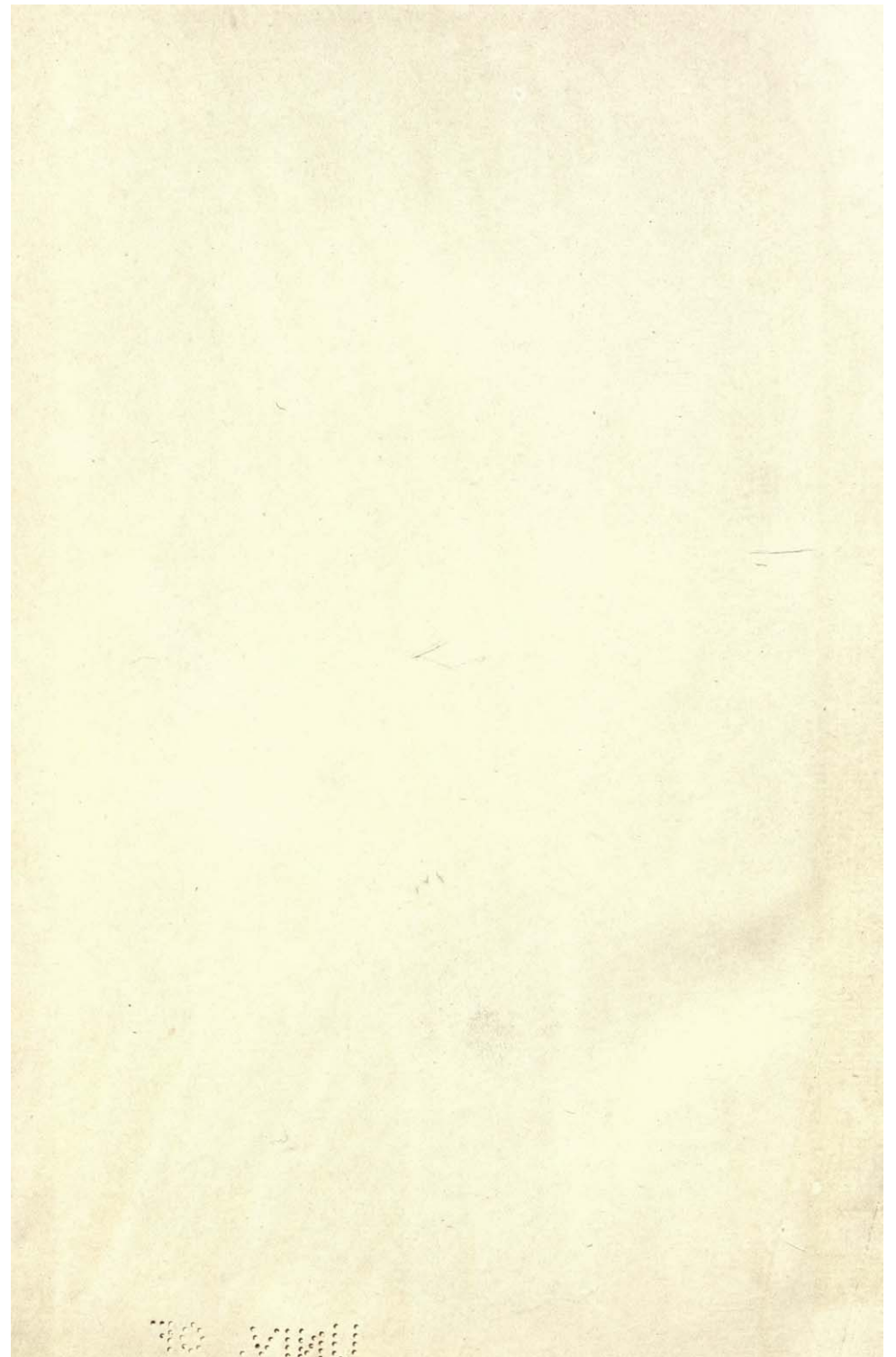
Plate V.



PLATE V.

PLATE V.

Plate VI.



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