

FIELDIANA

Geology

Published by Field Museum of Natural History

VOLUME 27

CATALOGUE OF TYPE AND REFERRED
SPECIMENS OF FOSSIL CRINOZOA
(Eocrinoidea, Paracrinoidea and Crinoidea)
IN FIELD MUSEUM OF NATURAL HISTORY

JULIA GOLDEN

AND

MATTHEW H. NITECKI

NOVEMBER 30, 1972

FIELDIANA: GEOLOGY

A Continuation of the

GEOLOGICAL SERIES

of

FIELD MUSEUM OF NATURAL HISTORY

VOLUME 27



FIELD MUSEUM OF NATURAL HISTORY
CHICAGO, U.S.A.

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CATALOGUE OF TYPE AND REFERRED SPECIMENS OF FOSSIL CRINOZOA (Eocrinoidea, Paracrinoidea and Crinoidea) IN FIELD MUSEUM OF NATURAL HISTORY

JULIA GOLDEN

*Assistant Editor, Micropaleontology Press
American Museum of Natural History*

AND

MATTHEW H. NITECKI

*Associate Curator, Fossil Invertebrates
Field Museum of Natural History*

NOVEMBER 30, 1972

PUBLICATION 1155

PATRICIA M. WILLIAMS
Managing Editor, Scientific Publications

Library of Congress Catalog Card Number: 72-84439

PRINTED IN THE UNITED STATES OF AMERICA
BY FIELD MUSEUM PRESS

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INTRODUCTION

This catalogue of type and referred specimens of fossil invertebrates consists of coocrinoids, paraerinoids, and erinoids housed in Field Museum. Consistent with previous publications the artificial casts of type specimens are included and, when known, the depositories of the original specimens are given. In addition, the Museum has numerous casts of fossil erinoids from the James Hall collection that are probably his unfigured original specimens.

Specimens belonging to the University of Chicago (Walker Museum of Paleontology) now permanently deposited in Field Museum are prefixed UC: those belonging to Field Museum are prefixed P or PE.

Only holotypes are recognized as valid types, other so called types, "paratypes," "cotypes," "plesiotypes," etc. are considered referred specimens. The generic and specific names are listed in their original spelling. The name of the author of the species is always given and is followed by the original date of publication. An attempt has been made to note all systematic changes. The nomenclatural emendations on specific levels not based on our specimens are given under "Remarks." The stratigraphic and geographic data are those of the original authors supplemented by information from the Museum catalogues. A number of references, including *Treatise on Invertebrate Paleontology*, have been consulted. With few exceptions, textbook references have been omitted.

This work was supported in part by the National Science Foundation grant number GB-7197.

CATALOGUE OF EOCRINOIDS

Lysocystites nodosus (Hall, 1868)

Referred specimens: UC 18943, five specimens.

Foerste, 1920, pp. 45-48, pl. 1, fig. 11D.

Shimer and Shrock, 1944, p. 129, pl. 49, fig. 7.

Silurian, Niagaran.

Racine, Wisconsin; Gurley Collection.

Referred specimen: UC 21815.

Foerste, 1920, pp. 45-48, pl. 1, figs. 11A-C.

Shimer and Shrock, 1944, p. 129, pl. 49, figs. 4-6.

Silurian, Niagaran.

Racine, Wisconsin; Van Horne Collection.

Lysocystites (?) nodosus (Hall, 1868)

Referred specimen: UC 2193.

Foerste, 1920, pp. 45-48, pl. 1, fig. 10.

Silurian, Niagaran, Cedarville Dolomite.

Near Wilmington, Ohio; James Collection.

CATALOGUE OF PARACRINOIDS

Amygdalocystites huntingtonii Wetherby, 1881

Holotype: UC 6050.

Wetherby, 1881a, p. 177, pl. 5, fig. 3.

= *Amygdalocystites huntingtoni* Wetherby, 1881

S. A. Miller, 1889, p. 223, text fig. 245.

Ordovician, Trenton.

At High Bridge, Mercer County, Kentucky, collected by Geo. S. Huntington; Gurley Collection.

Platycystites faberi S. A. Miller, 1889

Holotype: UC 8771.

S. A. Miller, 1889, p. 272, text fig. 398.

Ordovician, Trenton Group.

Scott County, Virginia; Faber Collection.

Wellerocystis kimmswickensis Foerste, 1920

Holotype: original designation UC 10727.

Foerste, 1920, pp. 37-39, text fig. 1, pl. 1, figs. 12A, 12B.

Shimer and Shrock, 1944, p. 127, pl. 47, figs. 14, 15.

Kesling *in* Moore, 1967, p. 278, text fig. 161, 1a-1c.

Ordovician, Kimmswick Limestone.

Near Glen Park, Missouri; collected by S. Weller, 1904.

CATALOGUE OF CRINOIDS

Aacocrinus chouteauensis (S. A. Miller, 1892)

See: *Actinocrinus* (?) *chouteauensis* S. A. Miller, 1892

Aacocrinus sampsoni (S. A. Miller and Gurley, 1895)

Referred specimens: UC 9636, six specimens.

Brower, 1967, pp. 685-686, text fig. 3D, pl. 78, figs. 16
(UC 9636A) and 14 (UC 9636B).

Mississippian, Chouteau Limestone [catalogue]; Kinderhookian,
Compton Limestone [Brower].

Pettis County, [Brower, locality 15] Missouri; Sampson
Collection.

See also: *Melocrinus sampsoni* S. A. Miller and Gurley, 1895

Aacocrinus senectus (S. A. Miller and Gurley, 1897)

Referred specimens: UC 9640A-D, four specimens.

Brower, 1967, pp. 687-689, text figs. 3F-3H(UC 9640B);
3I(UC 9640A); and 3L(UC 9640C); pl. 76, figs. 1-3
(UC 9640B); 4(UC 9640C); and 8(UC 9640A).

Mississippian, Chouteau Limestone [catalogue]; Kinderhookian,
Compton Limestone [Brower].

Brower, 1967 locality 15, Pettis County, Missouri; Sampson
Collection.

Aacocrinus spinosulus (S. A. Miller and Gurley, 1894)

See: *Blairocrinus spinosulus* S. A. Miller and Gurley, 1894

Abatocrinus grandis (Lyon and Casseday, 1859)

Referred specimens: UC 8924A-D, four specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 108-109.

Referred specimen: UC 8925.

Van Sant *in* Van Sant and Lane, 1964, pp. 108-109, pl. 7,
fig. 8.

Referred specimen: UC 51837.

Van Sant *in* Van Sant and Lane, 1964, pp. 108-109.

Referred specimen: UC 51838.

Van Sant *in* Van Sant and Lane, 1964, pp. 108-109.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Referred specimens: UC 26481A-D, four specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 108-109.

Mississippian, Keokuk Group.

Hall locality 751, "Crawfordsville, Indiana. Mohr Collection.";
Hall Collection.

Abrotocrinus cymosus S. A. Miller and Gurley, 1890

Holotype: UC 6157.

S. A. Miller and Gurley, 1890b, pp. 31-32, pl. 5, fig. 2.

S. A. Miller and Gurley, 1891, pp. 350-351, pl. 5, fig. 2.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 159, pl. 60,
fig. 1b.

Mississippian, Keokuk Group.

Washington County, Indiana [published]; Canton, Indiana [cat-
alogue]; Gurley Collection.

Abrotocrinus unicus (Hall, 1861)

Holotype: UC 51824.

See: *Scaphiocrinus unicus* in the catalogue of casts.

Referred specimen: UC 51824.

Van Sant *in* Van Sant and Lane, 1964, pp. 85-86.

Mississippian, Keokuk Group.

Hall locality 751, "Crawfordsville, Indiana. Mohr Collection.";
Hall Collection.

Referred specimen: UC 51825.

Van Sant *in* Van Sant and Lane, 1964, pp. 85-86.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Acantharthropterum pendens (Moore and Plummer, 1938)

See: Crinoid plate [*Delocrinus dubius* Mather, 1915]

Actinocrinites arrosus (S. A. Miller, 1892)

See: *Blairocrinus arrosus* S. A. Miller, 1892

Blairocrinus bullatus S. A. Miller, 1892

Actinocrinites botruosus (S. A. Miller and Gurley, 1895)

See: *Actinocrinus botruosus* S. A. Miller and Gurley, 1895

Actinocrinites chouteauensis (S. A. Miller, 1892)

See: *Actinocrinus* (?) *chouteauensis* S. A. Miller, 1892

Actinocrinites erraticus (S. A. Miller and Gurley, 1894)

See: *Actinocrinus erraticus* S. A. Miller and Gurley, 1894

Actinocrinites gibsoni (S. A. Miller and Gurley, 1894)

See: *Actinocrinus gibsoni* S. A. Miller and Gurley, 1894

Actinocrinites grandissimus Van Sant, 1965

See: *Actinocrinus grandis* S. A. Miller and Gurley, 1890

Actinocrinites hemisphericus (S. A. Miller and Gurley, 1895)

See: *Sampsonocrinus hemisphericus* S. A. Miller and Gurley, 1895

Actinocrinites monticuliferus (S. A. Miller and Gurley, 1894)

See: *Actinocrinus monticuliferus* S. A. Miller and Gurley, 1894

Actinocrinites multiradiatus (Shumard, 1857)

See: *Actinocrinus multiradiatus* Shumard, 1857

Actinocrinites multiramosus (Wachsmuth and Springer, 1897)

See: *Actinocrinus grandis* S. A. Miller and Gurley, 1890

Actinocrinites sedaliensis (S. A. Miller and Gurley, 1895)

See: *Amphoracrinus sedaliensis* S. A. Miller and Gurley, 1895

Actinocrinites spergenensis (S. A. Miller and Gurley, 1896)

See: *Steganocrinus spergenensis* S. A. Miller and Gurley, 1896

Actinocrinites spinulosus [sic] (S. A. Miller and Gurley, 1894)

See: *Blairocrinus spinosulus* S. A. Miller and Gurley, 1894

Actinocrinites subpulchellus (S. A. Miller and Gurley, 1896)

See: *Actinocrinus subpulchellus* S. A. Miller and Gurley, 1896

Actinocrinites subscitulus (S. A. Miller and Gurley, 1896)

See: *Actinocrinus subscitulus* S. A. Miller and Gurley, 1896

Actinocrinites trijugis (S. A. Miller, 1891)

See: *Blairocrinus trijugis* S. A. Miller, 1891

Actinocrinus (Agaricocrinus) pentagonus var. **convexus** Hall,
1860

Holotype: UC 7940.

Hall, 1860a, p. 58.

Hall, 1872a, pl. 4, figs. 14-17.

= *Agaricocrinus convexus* (Hall, 1860)

Wachsmuth and Springer, 1881, p. 286.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Actinocrinus arrosus S. A. Miller and Gurley, 1894

Holotype: UC 6282.

S. A. Miller and Gurley, 1894a, pp. 15-16, pl. 2, fig. 4.

Mississippian, Burlington Group.

Burlington, Iowa; Gurley Collection.

Remarks: Probably *Cactocrinus*. [*A. arrosus* preoccupied.]

Bassler and Moodey, 1943, p. 276.

See also: *Blairocrinus arrosus* S. A. Miller, 1892

Blairocrinus bullatus S. A. Miller, 1892

Actinocrinus botruosus S. A. Miller and Gurley, 1895

Holotype: UC 6454.

S. A. Miller and Gurley, 1895a, pp. 22-24, pl. 2, figs. 1, 2.

S. A. Miller, 1897, p. 731, text figs. 1276, 1277.

= *Actinocrinites botruosus* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 268.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Actinocrinus brittsi S. A. Miller, 1892

Referred specimen: UC 6182.

S. A. Miller, 1892b, pp. 36–37, pl. 6, figs. 1, 2.

S. A. Miller, 1894a, pp. 290–291, pl. 6, figs. 1, 2.

= *Physetocrinus ornatus* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 597–598.

Mississippian, Burlington Group.

Sedalia, Missouri; Gurley Collection.

Remarks: UC 6182 is one of the original specimens figured by S. A. Miller, 1892.

Actinocrinus (?) chouteauensis S. A. Miller, 1892

Holotype: UC 6957.

S. A. Miller, 1892b, pp. 18–20, pl. 3, figs. 9–11.

S. A. Miller, 1892c, p. 672, text figs. 1203–1205.

S. A. Miller, 1894, pp. 272–274, pl. 3, figs. 9–11.

Wachsmuth and Springer, 1897, p. 570, pl. 46, figs. 11a, 11b.

= *Actinocrinus chouteauensis* S. A. Miller, 1892

Peck and Keyte in Branson, 1938, pp. 81–82, pl. 27, figs. 16, 17.

= *Actinocrinites chouteauensis* (S. A. Miller, 1892)

Bassler and Moodey, 1943, p. 268.

= *Aacocrinus chouteauensis* (S. A. Miller, 1892)

Bowsher, 1955, p. 5.

Brower, 1967, pp. 693–695, text figs. 5C–5E, pl. 75, figs. 2, 3, 6.

Mississippian, Chouteau Limestone [S. A. Miller]; Kinderhookian, Compton Limestone [Brower].

Sedalia, [S. A. Miller]; Pettis County, [Brower, locality 12], Missouri; Sampson Collection.

Actinocrinus cornigerus Hall, 1858

Holotype: UC 8987, the spine is broken.

Hall, 1858, pp. 576–577, pl. 9, figs. 12a–12c.

Hall, 1860a, pl. 3, fig. 4.

= *Dorycrinus cornigerus* (Hall, 1858)

Meek and Worthen, 1868, p. 345.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Remarks: A specimen is listed in the University of Illinois catalogue as X-803, a syntype.

Actinocrinus erraticus S. A. Miller and Gurley, 1894

Holotype: UC 6207.

S. A. Miller and Gurley, 1894a, pp. 14–15, pl. 2, figs. 2, 3.

= *Actinocrinites erraticus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 269.

Mississippian, Burlington Group?

Drift at Danville, Illinois; Gurley Collection.

Actinocrinus evansii Owen and Shumard, 1850

Holotype: UC 6374.

Owen and Shumard, 1850, pp. 68–69, pl. 7, figs. 3a, 3b.

= *Megistocrinus evansii* (Owen and Shumard, 1850)

Owen and Shumard, 1852b, p. 594, tbl. 5A, figs. 3a, 3b.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Actinocrinus fossatus S. A. Miller, 1892

Holotype: UC 6181.

S. A. Miller, 1892b, p. 40, pl. 6, figs. 11, 12.

S. A. Miller, 1894, p. 294, pl. 6, figs. 11, 12.

S. A. Miller, 1897, p. 731, text fig. 1278.

= *Cactocrinus fossatus* (S. A. Miller, 1892)

Wachsmuth and Springer, 1897, p. 620, pl. 55, fig. 12.

Mississippian, Burlington Group.

Sedalia, Missouri; Gurley Collection.

Actinocrinus gibsoni S. A. Miller and Gurley, 1894

Holotype: UC 6631.

S. A. Miller and Gurley, 1894a, pp. 10–11, pl. 2, fig. 1.

= *Actinocrinites gibsoni* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, pp. 269–270.

Van Sant *in* Van Sant and Lane, 1964, pp. 106–107.

Mississippian, Keokuk Group.

On Indian Creek, near Crawfordsville, Indiana; Gurley Collection.

Actinocrinus grandis S. A. Miller and Gurley, 1890

Holotype: UC 6179.

S. A. Miller and Gurley, 1890b, pp. 25–26, pl. 5, fig. 1,
pl. 6, fig. 1.

S. A. Miller and Gurley, 1891, p. 346, pl. 5, fig. 1, pl. 6, fig. 1.

= *Actinocrinites multiramosus* (Wachsmuth and Springer, 1897)
Bassler and Moodey, 1943, p. 272.

= *Actinocrinites grandissimus* Van Sant, 1965

Van Sant, 1965, pp. 290–292, text figs. 1, 2.

Mississippian, Keokuk Group.

Near Canton, Washington County, Indiana; Gurley Collection.

Actinocrinus longirostris Hall, 1858

Referred specimen: UC 24457.

Hall, 1858, pp. 589–590, text fig. 88, pl. 11, figs. 2a, 2b
(= 4c–4d).

= ?*Batocrinus longirostris* (Hall, 1858)

Wachsmuth and Springer, 1881, p. 341.

= *Lobocrinus longirostris* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 442–443.

= *Uperocrinus longirostris* (Hall, 1858)

Bassler and Moodey, 1943, p. 720.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: UC 24457 is a “cotype”; Wachsmuth and Springer,
1897, state that the other specimen is in the Worthen Illin-
ois State Collection but it is not listed in the catalogue of
the University of Illinois.

Actinocrinus milleri Peck and Keyte, 1938

See: *Melocrinus sampsoni* S. A. Miller and Gurley, 1895

Actinocrinus monticuliferus S. A. Miller and Gurley, 1894

Holotype: UC 6444.

S. A. Miller and Gurley, 1894c, pp. 46–47, pl. 4, fig. 1.

= *Actinocrinites monticuliferus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 272.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Actinocrinus multiradiatus Shumard, 1857

Referred specimen: UC 8959.

Wilson, 1916, pl. 2, fig. 9.

= *Actinocrinites multiradiatus* (Shumard, 1857)

Bassler and Moodey, 1943, p. 272.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Actinocrinus obpyramidalis Winchell and Marey, 1865

Holotype: UC 51655.

Winchell and Marey, 1865, p. 87, pl. 2, fig. 4.

= *Melocrinus verneuili* (Troost, 1850)

Hall, 1868a, p. 390.

= *Melocrinus verneuili* (Troost, 1850)

Hall, 1870, p. 372.

= *Melocrinus obpyramidalis* (Winchell and Marey, 1865)

S. A. Miller, 1881, pp. 174-175.

Wachsmuth and Springer, 1881, p. 296.

S. Weller, 1900, p. 97.

= *Melocrinites obpyramidalis* (Winchell and Marey, 1865)

Bassler and Moodey, 1943, p. 558.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois.

Actinocrinus pallubrum S. A. Miller and Gurley, 1896

Holotype: UC 6971.

S. A. Miller and Gurley, 1896b, pp. 26-27, pl. 1, figs. 25-27.

= *Nunnacrinus pallubrum* (S. A. Miller and Gurley, 1896)

Bowsher, 1955, p. 20.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Actinocrinus pentagonus Hall, 1858

Lectotype: designated by Brower, 1965, p. 780; UC 8979A.

Hall, 1858, pp. 577-578, pl. 10, figs. 6a, 6b.

= *Steganocrinus pentagonus* (Hall, 1858)

Meek and Worthen, 1866, p. 198.

Wilson, 1916, p. 509, pl. 2, fig. 15, pl. 3, figs. 1, 2.

Brower, 1965, pp. 776–778, pl. 92, fig. 25.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus sampsoni S. A. Miller and Gurley, 1896

Holotype: UC 6973.

S. A. Miller and Gurley, 1896c, pp. 5–6, pl. 1, figs. 1, 2.

= *Nunnacrinus sampsoni* (S. A. Miller and Gurley, 1896)

Bowsher, 1955, p. 21.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Actinocrinus sculptus Hall, 1858

Holotype: UC 20779.

Hall, 1858, pp. 582–583, pl. 10, figs. 11a, 11b.

Hall, 1860a, pl. 3, fig. 3.

= *Steganocrinus sculptus* (Hall, 1858)

Meek and Worthen, 1866, p. 197.

= *Cyrtocrinus sculptus* (Hall, 1858)

Kirk, 1943a, pp. 263–264.

= *Cytidocrinus sculptus* (Hall, 1858)

Kirk, 1944, p. 85.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus sedaliensis S. A. Miller, 1892

Holotype, not designated, to be selected from UC 6972.

Referred specimens: UC 6972, two specimens.

S. A. Miller, 1892b, pp. 16–17, pl. 3, figs. 1–3.

S. A. Miller, 1894, pp. 270–271, pl. 3, figs. 1–3.

Mississippian, Burlington Group.

Sedalia, Missouri; Sampson Collection.

Remarks: Probably *Teleiocrinus*. [*A. sedaliensis* preoccupied.]

Bassler and Moodey, 1943, p. 281.

Actinocrinus sedaliensis (S. A. Miller and Gurley, 1895)

See: *Amphoracrinus sedaliensis* S. A. Miller and Gurley, 1895

Sampsonocrinus hemisphericus S. A. Miller and Gurley, 1895

- Actinocrinus spergenensis** (S. A. Miller and Gurley, 1896)
See: *Steganocrinus spergenensis* S. A. Miller and Gurley, 1896
- Actinocrinus spinulosus** [sic] (S. A. Miller and Gurley, 1894)
See: *Blairocrinus spinosulus* S. A. Miller and Gurley, 1894
- Actinocrinus subpulchellus** S. A. Miller and Gurley, 1896
Holotype: UC 6491.
S. A. Miller and Gurley, 1896c, pp. 13–14, pl. 3, figs. 12–14.
S. A. Miller, 1897, p. 732, text fig. 1280.
= *Actinocrinites subpulchellus* (S. A. Miller and Gurley, 1896)
Bassler and Moodey, 1943, p. 275.
Mississippian, Burlington Limestone.
Sedalia, Missouri; Gurley Collection.
- Actinocrinus subscitulus** S. A. Miller and Gurley, 1896
Holotype: UC 6466.
S. A. Miller and Gurley, 1896c, pp. 12–13, pl. 3, figs. 6–8.
= *Actinocrinites subscitulus* (S. A. Miller and Gurley, 1896)
Bassler and Moodey, 1943, p. 275.
Mississippian, Burlington Limestone.
Burlington, Iowa; Gurley Collection.
- Actinocrinus trijugis** (S. A. Miller, 1891)
Referred specimen: UC 6948.
Wachsmuth and Springer, 1897, pp. 576–577, pl. 54, figs. 4a,
4b.
Peek and Keyte *in* Branson, 1938, pp. 86–88.
= *Blairocrinus trijugis* S. A. Miller, 1891
Brower, 1967, p. 698.
Mississippian, Chouteau Limestone.
Pettis County, Missouri; Sampson Collection.
- Actinocrinus unicornus** Owen and Shumard, 1850
Referred specimen: UC 6362.
Owen and Shumard, 1850, pp. 67–68.
Owen and Shumard, 1852b, pp. 593–594.
= *Dorycrinus unicornus* (Owen and Shumard, 1850)
Meek and Worthen, 1868, p. 345.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Remarks: UC 6362 is listed in the Museum catalogue as the holotype but does not look like the specimen figured by Owen and Shumard. It may be one of the original specimens.

Actinocrinus wachsmuthi White, 1880

Holotype, not designated, to be selected from UC 6343.

Referred specimens: UC 6343, two specimens.

White, 1880, p. 510, pl. 7, fig. 6.

White, 1881, p. 142, pl. 7, fig. 6.

White, 1883, pp. 162–163, pl. 40, figs. 1a, 1b.

= *Batocrinus wachsmuthi* (White, 1880)

Wachsmuth and Springer, 1881, p. 342.

= *Batocrinus grandis* (Lyon, 1859)

Wachsmuth and Springer, 1897, pp. 381–382.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Actinocrinus ? sp.

Referred specimens: UC 11359, six specimens.

S. Weller, 1906, pp. 439–440, pl. 6, figs. 2, 3.

Mississippian, Glen Park Limestone.

S. Weller locality 11, Glen Park, Missouri; collected by S. Weller, 1904.

Adinocrinus pentagonus (S. A. Miller and Gurley, 1890)

See: *Hydreionocrinus pentagonus* S. A. Miller and Gurley, 1890

Aesiocrinus angulatus S. A. Miller and Gurley, 1894

Holotype: UC 6236.

S. A. Miller and Gurley, 1894a, pp. 59–60, pl. 6, fig. 9.

= *Whiteocrinus angulatus* (S. A. Miller and Gurley, 1894)

Strimple, 1939, p. 4.

= *Apollocrinus angulatus* (S. A. Miller and Gurley, 1894)

Moore and Plummer, 1940, pp. 72, 103.

= *Stellarocrinus angulatus* (S. A. Miller and Gurley, 1894)

Strimple, 1940, p. 1.

Upper Coal Measures [Pennsylvanian, Missouri Series, ?Argentine Limestone; Bassler and Moodey, 1943, p. 685.]
 Kansas City, Missouri; Gurley Collection.

Aesiocrinus basilicus S. A. Miller and Gurley, 1890

Holotype: UC 6235.

S. A. Miller and Gurley, 1890b, pp. 53-54, pl. 9, figs. 4-6.

S. A. Miller and Gurley, 1891, p. 369, pl. 9, figs. 4-6.

Bassler and Moodey, 1943, p. 283.

= *Phialocrinus basiliscus* [sic] (S. A. Miller and Gurley, 1890)
 Keyes, 1894, p. 220.

Upper Coal Measures [Pennsylvanian, Missouri Series, Lane Shale; Bassler and Moodey, 1943].

Kansas City, Missouri; Gurley Collection.

Aesiocrinus harii S. A. Miller and Gurley, 1890

Holotype: UC 6397.

S. A. Miller and Gurley, 1890a, p. 16, pl. 3, fig. 1.

S. A. Miller and Gurley, 1890b, p. 16, pl. 3, fig. 1.

S. A. Miller and Gurley, 1891, p. 338, pl. 3, fig. 1.

Bassler and Moodey, 1943, p. 283.

= *Phialocrinus harii* (S. A. Miller and Gurley, 1890)
 Keyes, 1894, p. 219.

Upper Coal Measures [Pennsylvanian, Missouri Series, Lane Shale; Bassler and Moodey, 1943.]

Kansas City, Missouri; Gurley Collection.

Aesiocrinus magnificus S. A. Miller and Gurley, 1890

Holotype: original designation, UC 6160

S. A. Miller and Gurley, 1890a, pp. 15-16, pl. 2, fig. 1.

S. A. Miller and Gurley, 1890b, pp. 15-16, pl. 2, fig. 1.

S. A. Miller and Gurley, 1891, pp. 337-338, pl. 2, fig. 1.

S. A. Miller, 1892c, pp. 672-673, text fig. 1206.

= *Phialocrinus magnificus* (S. A. Miller and Gurley, 1890)
 Keyes, 1894, p. 220.

Bassler and Moodey, 1943, p. 284.

Moore and Laudon *in* Shimer and Shroek, 1944, p. 167, pl. 56,
 fig. 32.

Referred specimens: UC 6160A–B, two specimens.

S. A. Miller and Gurley, 1890a, pp. 15–16, pl. 2, figs. 4, 5.

S. A. Miller and Gurley, 1890b, pp. 15–16, pl. 2, figs. 4, 5.

S. A. Miller and Gurley, 1891, pp. 337–338, pl. 2, figs. 4, 5.

= *Phialocrinus magnificus* (S. A. Miller and Gurley, 1890)

Keyes, 1894, p. 220.

Bassler and Moodey, 1943, p. 284.

Upper Coal Measures [Pennsylvanian, Missouri Series, Lane Shale; Bassler and Moodey, 1943].

Kansas City, Missouri; Gurley Collection.

Agaricocrinus americanus (Roemer, 1854)

Referred specimen: UC 8921.

Van Sant *in* Van Sant and Lane, 1964, pp. 118–119, pl. 8, fig. 1.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Agaricocrinus arcula S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6464.

Referred specimens: UC 6464, two specimens.

S. A. Miller and Gurley, 1895a, pp. 30–31, pl. 3, figs. 7–9.

S. A. Miller, 1897, p. 732, text fig. 1282.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Agaricocrinus blairi S. A. Miller, 1892

Holotype: UC 6946.

S. A. Miller, 1892b, pp. 21–22, pl. 3, figs. 12–14.

S. A. Miller, 1894, pp. 275–276, pl. 3, figs. 12–14.

S. A. Miller, 1897, p. 732, text figs. 1283, 1284.

Peck and Keyte *in* Branson, 1938, p. 78, pl. 29, figs. 1, 2.

Mississippian, Chouteau Limestone.

Sedalia, Missouri; Sampson Collection.

Agaricocrinus chouteauensis S. A. Miller, 1892

Holotype: UC 6183, specimen is broken.

S. A. Miller, 1892b, pp. 43–44, pl. 7, figs. 11–13.

S. A. Miller, 1894, pp. 297–298, pl. 7, figs. 11–13.

= *Agaricocrinus sampsoni* S. A. Miller, 1892
Wachsmuth and Springer, 1897, p. 505.
Peck and Keyte *in* Branson, 1938, pp. 76-78, pl. 29, figs. 3,
4.

Mississippian, Chouteau Limestone.
Sedalia, Missouri; Gurley Collection.

Agaricocrinus convexus (Hall, 1860)

See: *Actinocrinus (Agaricocrinus) pentagonus* var. *convexus* Hall,
1860

Agaricocrinus crassus Wetherby, 1881

Holotype: original designation, UC 6469.
Wetherby, 1881a, p. 178, pl. 5, figs. 1-1b.
Mississippian, Keokuk Group.
Tennessee; Gurley Collection.

Agaricocrinus elegans Wetherby, 1881

Holotype: original designation, UC 6400.
Wetherby, 1881a, p. 179, pl. 5, figs. 4-4b.
Mississippian, Keokuk Group.
Tennessee; Gurley Collection.

Agaricocrinus germanus S. A. Miller, 1892

Holotype: UC 6228.
S. A. Miller, 1892b, pp. 42-43, pl. 7, figs. 8-10.
S. A. Miller, 1894, pp. 296-297, pl. 7, figs. 8-10.

= *Agaricocrinus sampsoni* S. A. Miller, 1892
Wachsmuth and Springer, 1897, p. 505.
Peck and Keyte *in* Branson, 1938, pp. 76-78.

Mississippian, Chouteau Limestone.
Sedalia, Missouri; Gurley Collection.

Agaricocrinus iowensis S. A. Miller and Gurley, 1897

Holotype: UC 6131.
S. A. Miller and Gurley, 1897, pp. 5-7, pl. 1, figs. 1-3.
Mississippian, Keokuk Group.
Keokuk, Iowa; Gurley Collection.

Agaricocrinus keokukensis S. A. Miller and Gurley, 1897

Holotype: UC 6130.

S. A. Miller and Gurley, 1897, pp. 7–9, pl. 1, figs. 4–6.

Mississippian, Keokuk Group.

Keokuk, Iowa; Gurley Collection.

Agaricocrinus profundus S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6462.

Referred specimens: UC 6462, two specimens.

S. A. Miller and Gurley, 1895a, pp. 26–28, pl. 3, figs. 1–3.

S. A. Miller, 1897, p. 732, text figs. 1285–1287.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Agaricocrinus sampsoni S. A. Miller, 1892

Holotype: UC 6969.

S. A. Miller, 1892b, pp. 20–21, pl. 3, fig. 8.

S. A. Miller, 1894, pp. 274–275, pl. 3, fig. 8.

S. A. Miller, 1897, p. 733, text fig. 1288.

Wachsmuth and Springer, 1897, p. 505, pl. 46, fig. 5.

Peck and Keyte *in* Branson, 1938, pp. 76–78, pl. 29, fig. 7.

Mississippian, Chouteau Limestone.

Chouteau Springs, Missouri; Sampson Collection.

See also: *Agaricocrinus chouteauensis* S. A. Miller, 1892

Agaricocrinus germanus S. A. Miller, 1892

Agaricocrinus splendens S. A. Miller and Gurley, 1890

Holotype: UC 6256.

S. A. Miller and Gurley, 1890a, pp. 18–19, pl. 4, figs. 1, 2.

S. A. Miller and Gurley, 1890b, pp. 18–19, pl. 4, figs. 1, 2.

S. A. Miller and Gurley, 1891, p. 340, pl. 4, figs. 1, 2.

Van Sant *in* Van Sant and Lane, 1964, pp. 119–120, pl. 8, figs. 2, 4.

Mississippian, Keokuk Group.

Indian Creek, near Crawfordsville, Indiana; Gurley Collection.

Referred specimen: UC 51836.

Van Sant *in* Van Sant and Lane, 1964, pp. 119–120.

Mississippian, Keokuk.
Crawfordsville, Indiana.

Agaricocrinus tugurium S. A. Miller and Gurley, 1895

Holotype: UC 6463.

S. A. Miller and Gurley, 1895a, pp. 28-30, pl. 3, figs. 4-6.

S. A. Miller, 1897, p. 732, text figs. 1289-1291.

Mississippian, Keokuk Group.

Brown County, Kentucky; Gurley Collection.

Agaricocrinus ? sp.

Referred specimen: UC 11360.

S. Weller, 1906, p. 440, pl. 6, fig. 4.

Mississippian, Glen Park Limestone.

S. Weller locality 11, Glen Park, Missouri; collected by

S. Weller, 1904.

Agassizocrinus dissimilis S. Weller, 1920

Holotype: original designation, UC 25383.

S. Weller, 1920, p. 344, pl. 5, figs. 29, 30.

Mississippian, Paint Creek Formation.

S. Weller locality W567, 1 $\frac{1}{4}$ miles northwest of Floraville, St. Clair County, Illinois; collected by S. Weller, 1911.

Agassizocrinus gibbosus Hall, 1858

Referred specimen: UC 9932.

Meek and Worthen, 1873, p. 558, pl. 21, fig. 11.

Mississippian, Kaskaskia [catalogue]; Chester [Meek and Worthen].

Randolph County, Illinois [catalogue]; Chester, Illinois [Meek and Worthen].

Agassizocrinus occidentalis (Owen and Shumard, 1852)

See: *Poteriocrinus occidentalis* Owen and Shumard, 1852

Agassizocrinus ovalis S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6600.

Referred specimens: UC 6600, two specimens.

S. A. Miller and Gurley, 1896b, pp. 36–37, pl. 2, figs. 13, 14.

S. A. Miller, 1897, p. 732, text fig. 1292.

Mississippian, Kaskasia Group.

Randolph County, Illinois; Gurley Collection.

?**Agassizocrinus papillatus** Worthen, 1882

See: *Poteriocrinus occidentalis* Owen and Shumard, 1852

Agassizocrinus tumidus (Owen and Shumard, 1852)

See: *Poteriocrinus tumidus* Owen and Shumard, 1852

Agassizocrinus sp.

Referred specimen: UC 48268.

Easton, 1942, pl. 2, fig. 11.

Referred specimen: UC 48344.

Easton, 1942, pl. 2, fig. 12.

Referred specimen: UC 48345.

Easton, 1942, pl. 2, fig. 10.

Mississippian, Pitkin Formation.

Arkansas; Easton Collection.

Ageneracrinus altacalyx Sutton and Winkler, 1940

Holotype: original designation, UC 45086 [not UC 39406].

Sutton and Winkler, 1940, p. 565, pl. 68, figs. 7, 8.

= *Pentaramicrinus altacalyx* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 9.

Mississippian, Chester Series.

Randolph County, Illinois; Gurley Collection.

Ageneracrinus basalis Sutton and Winkler, 1940

Holotype: original designation, UC 19137.

Sutton and Winkler, 1940, p. 564, pl. 68, figs. 1, 2.

= *Pentaramicrinus basalis* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 9.

Mississippian, Chester Series.

Prarie du Long Creek, St. Clair County, Illinois; Gurley Collection.

Ageneracrinus basatotumidus Sutton and Winkler, 1940

Holotype: original designation, UC 9430.

Sutton and Winkler, 1940, p. 565, pl. 68, figs. 22, 23.

= *Intermediacrinus basatotumidus* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 8.

Referred specimen: UC 9430A.

Sutton and Winkler, 1940, p. 565.

= *Intermediacrinus basatotumidus* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 8.

Mississippian, Kaskaskia.

Union County, Illinois; Gurley Collection.

Ageneracrinus parvbasalis Sutton and Winkler, 1940

Holotype: original designation, UC 19135.

Sutton and Winkler, 1940, p. 565, pl. 68, figs. 3, 4.

= *Phanocrinus parvaramus* Sutton and Winkler, 1940

Burdick and Strimple, 1969, p. 9.

Mississippian, Chester Series (Glen Dean?).

Sloan's Valley, Kentucky; Gurley Collection.

Ageneracrinus parvaradianalis Sutton and Winkler, 1940

Holotype: original designation, UC 30531.

Sutton and Winkler, 1940, pp. 565-566, pl. 66, fig. 13.

= *Linocrinus parvaradianalis* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 3.

Mississippian, Golconda Limestone.

Five miles north of Marion, Kentucky; collected by S. Weller, 1923.

Ageneracrinus platycalyx Sutton and Winkler, 1940

Holotype, not designated, to be selected from UC 26791.

Referred specimens: UC 26791, three specimens.

Sutton and Winkler, 1940, p. 564, pl. 68, figs. 13, 14.

= *Intermediacrinus platycalyx* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 8.

Mississippian, Shetlerville Member of Renault Limestone.

One-half mile south of Eichorn, Illinois; collected by S. Weller, 1917.

Ageneracrinus tumidorugosus Sutton and Winkler, 1940

Holotype: original designation, UC 45085 [not UC 39346].

Sutton and Winkler, 1940, p. 566, pl. 68, figs. 20, 21.

= *Exochocrinus tumulosus* (S. A. Miller, 1891)

Burdick and Strimple, 1969, pp. 12-13, pl. 1, fig. 8.

Mississippian, Chester Series.

Randolph County, Illinois; Gurley Collection.

Ageneracrinus tumulosus (S. A. Miller, 1891)

See: *Eupachycrinus tumulosus* S. A. Miller, 1891

Alloprosallocrinus conicus Casseday and Lyon, 1860

See: *Alloprosallocrinus gurleyi* S. A. Miller, 1891

Alloprosallocrinus gurleyi S. A. Miller, 1891

Holotype: UC 6275.

S. A. Miller, 1891a, pp. 58-59, pl. 10, figs. 1, 2.

S. A. Miller, 1892a, pp. 668-669, pl. 10, figs. 1, 2.

S. A. Miller, 1892c, p. 674, text fig. 1211.

= *Alloprosallocrinus conicus* Casseday and Lyon, 1860

Wachsmuth and Springer, 1897, pp. 407-408.

Mississippian, Keokuk Group.

Brown County, Kentucky; Gurley Collection.

Alsopocrinus anna Tansey, 1924

Holotype: original designation, UC 21129.

Tansey *in* Branson, 1924, p. 181, pl. 44, figs. 4-6.

Devonian, Bailey Limestone (chert).

Little Saline Creek in Missouri; collected by University of

Chicago. Ste. Genevieve County, Missouri, field classes.

Amphoracrinus sampsoni S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6956.

Referred specimens: UC 6956, two specimens.

S. A. Miller and Gurley, 1896b, pp. 27-28, pl. 1, figs. 28, 29.

= *Corocrinus sampsoni* (S. A. Miller and Gurley, 1896)

Peck and Keyte *in* Branson, 1938, pp. 75-76, pl. 29, figs.

10-13.

Mississippian, Chouteau Limestone.

Sedalia, Missouri; Sampson Collection.

Remarks: Peck and Keyte believe the larger specimen (pl. 29, figs. 12–13) is a separate species but they do not describe it as such. They base their synonymy change on the smaller specimen (pl. 29, figs. 10–11). The specimens are periechocrinitids (J. C. Brower, 1963, personal communication).

Amphoracrinus sedaliensis S. A. Miller and Gurley, 1895

Referred specimen: UC 6955.

S. A. Miller and Gurley, 1895b, pp. 54–55, pl. 5, fig. 34.

= *Actinocrinus sedaliensis* (S. A. Miller and Gurley, 1895)

Peck and Keyte in Branson, 1938, pp. 84–85, pl. 28, figs. 6–8.

= *Actinocrinites sedaliensis* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 274.

Mississippian, Chouteau Limestone.

Sedalia, Missouri; Sampson Collection.

Remarks: UC 6955 is one of two “cotypes” originally used by S. A. Miller and Gurley.

Ancyrocrinus sp.

Referred specimen: P 1362.

Lowenstam, 1942, pp. 21–36, pl. 5, fig. 2.

Mississippian.

Locality unknown.

Referred specimens: P 7863, two specimens.

Lowenstam, 1942, pp. 21–36, pl. 6, figs. 7, 8.

Devonian, Hamilton.

East Bethany, New York; collected by Slocum, 1904.

Referred specimens: P 19654, nine specimens.

Lowenstam, 1942, pp. 21–36, pl. 5, figs. 4–7, 10, 12, 14, 15,
pl. 6, figs. 1–3.

Devonian, Hamilton.

Clarke County, Indiana; Borden Collection.

Anisocrinus greenei (S. A. Miller and Gurley, 1896)

See: *Lecanocrinus greenei* S. A. Miller and Gurley, 1896

Anisocrinus oswegoensis (S. A. Miller and Gurley, 1894)

See: *Lecanocrinus oswegoensis* S. A. Miller and Gurley, 1894

Anomalocrinus incurvus (Meek and Worthen, 1865)

Referred specimen: UC 8750.

Meek, 1873, pp. 17-20, pl. 2, figs. 6a-6c.

Grabau and Shimer, 1910, p. 501, text fig. 1813.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 151, pl. 53, figs. 26a, 26b.

Ordovician, Cincinnati Group.

Cincinnati, Ohio; Faber Collection.

Aorocrinus elegans (S. A. Miller, 1892)

See: *Dorycrinus elegans* S. A. Miller, 1892

Aorocrinus parvus (Shumard, 1855)

See: *Dorycrinus amoenus* S. A. Miller, 1891

Appolocrinus angulatus (S. A. Miller and Gurley, 1894)

See: *Aesiocrinus angulatus* S. A. Miller and Gurley, 1894

Arachnocrinus bulbosus (Hall, 1862)

See: *Cyathocrinus bulbosus* Hall, 1862

Archaeocrinus asperatus S. A. Miller and Gurley, 1894

Holotype: UC 6038.

S. A. Miller and Gurley, 1894c, pp. 19-21, pl. 2, figs. 7-9.

S. A. Miller, 1897, p. 734, text figs. 1296, 1297.

= *Diaboloocrinus asperatus* (S. A. Miller and Gurley, 1894)

Bassler, 1915, p. 403.

Referred specimen: UC 6038A.

S. A. Miller and Gurley, 1894c, pp. 19-21.

= *Diaboloocrinus asperatus* (S. A. Miller and Gurley, 1894)

Bassler, 1915, p. 403.

Ordovician, Trenton Group.

Knoxville, Knox County, Tennessee; Gurley Collection.

Archaeocrinus knoxensis S. A. Miller and Gurley, 1895

Holotype: UC 6035.

S. A. Miller and Gurley, 1895a, pp. 34–35, pl. 3, figs. 10–12.
Ordovician, Trenton Group.
Knox County, Tennessee; Gurley Collection.

Archaeocrinus obconicus Slocum, 1924

Holotype: original designation, P 17106.

Slocum *in* Slocum and Foerste, 1924, pp. 328–330, pl. 29, figs. 10, 11.

Referred specimen: P 11263.

Slocum *in* Slocum and Foerste, 1924, pp. 328–330, pl. 29, figs. 12, 13.

Ordovician, Lower Maquoketa.

Clermont, Iowa; collected by Becker and Slocum.

Archaeocrinus parvus S. A. Miller and Gurley, 1894

Holotype: UC 6039.

S. A. Miller and Gurley, 1894c, p. 21, pl. 2, figs. 26–28.

S. A. Miller, 1897, p. 734, text fig. 1298.

Referred specimen: UC 6039A.

S. A. Miller and Gurley, 1894c, p. 21.

Ordovician, Trenton.

Knoxville, Knox County, Tennessee; Gurley Collection.

Archaeocrinus peculiaris S. A. Miller and Gurley, 1894

Holotype: UC 6037.

S. A. Miller and Gurley, 1894c, pp. 17–18, pl. 2, figs. 1–3.

S. A. Miller, 1897, p. 734, text figs. 1299, 1300.

Ordovician, Trenton Group.

Knoxville, Knox County, Tennessee; Gurley Collection.

Archaeocrinus sculptus (S. A. Miller, 1882)

See: *Lyriocrinus sculptilis* S. A. Miller, 1882

Atactocrinus wilmingttonensis S. Weller, 1916

Holotype: UC 7911.

S. Weller, 1916, pp. 239–241, pl. 15, figs. 1–7.

Referred specimens: UC 14808, eight specimens.

S. Weller, 1916, pp. 239–241, pl. 15, figs. 8–10.

Ordovician, Richmond Formation.
Wilmington, Illinois; S. Weller Collection.

Atactocrinus? sp. columnals

Referred specimens: UC 24704, 22 specimens.

Slocum *in* Slocum and Foerste, 1924, pp. 343–344, pl. 30, figs. 20–31.

Ordovician, Lower Maquoketa Shale.

Clermont, Iowa; gift of Becker.

Barrandocrinus? indianensis (S. A. Miller and Gurley, 1895)

See: *Cylicocrinus* (?) *indianensis* S. A. Miller and Gurley, 1895

Barycrinus blairi S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6146.

Referred specimens: UC 6146, two specimens.

S. A. Miller, 1891b, p. 25, pl. 3, figs. 11–13.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Barycrinus boonvillensis S. A. Miller, 1891

Holotype: UC 6149.

S. A. Miller, 1891b, p. 24, pl. 3, fig. 5.

S. A. Miller, 1897, p. 735, text fig. 1301.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Barycrinus cornutus (Owen and Shumard, 1850)

See: *Cyathocrinus cornutus* Owen and Shumard, 1850

Barycrinus expansus S. A. Miller and Gurley, 1894

Holotype: UC 6465.

S. A. Miller and Gurley, 1894c, pp. 41–42, pl. 4, fig. 2.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Barycrinus formosus S. A. Miller and Gurley, 1894

Holotype: UC 6271, the stem is missing.

S. A. Miller and Gurley, 1894a, p. 33, pl. 3, fig. 6.
Mississippian, Keokuk Group.
Washington County, Indiana; Gurley Collection.

Barycrinus hoveyi (Hall, 1861)

Referred specimen: UC 8904.

Van Sant *in* Van Sant and Lane, 1964, pp. 74–76.

Referred specimen: UC 8931.

Van Sant *in* Van Sant and Lane, 1964, pp. 74–76.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Referred specimen: UC 51820.

Van Sant *in* Van Sant and Lane, 1964, pp. 74–76, pl. 2, figs. 5, 7.

Mississippian, Keokuk.

Hall locality 751, "Crawfordsville, Indiana. Mohr Collection."
Hall Collection.

Barycrinus neglectus S. A. Miller and Gurley, 1896

Holotype: UC 6489.

S. A. Miller and Gurley, 1896b, pp. 28–29, pl. 2, figs. 10–12.

= *Barycrinus? neglectus* S. A. Miller and Gurley, 1896

Van Sant *in* Van Sant and Lane, 1964, pp. 76–77, pl. 1, figs.
10, 12.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Barycrinus princeps S. A. Miller and Gurley, 1890

Holotype: UC 6167.

S. A. Miller and Gurley, 1890b, pp. 52–53, pl. 9, figs. 2, 3.

S. A. Miller and Gurley, 1891, pp. 368–369, pl. 9, figs. 2, 3.

S. A. Miller, 1892c, p. 674, text figs. 1212, 1213.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 154, pl. 57,
fig. 26.

Van Sant *in* Van Sant and Lane, 1964, p. 77, pl. 1, figs. 14.

Referred specimen: UC 8910.

Van Sant *in* Van Sant and Lane, 1964, p. 77.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Barycrinus rhombiferus (Owen and Shumard, 1852)

See: *Poteriocrinus rhombiferus* Owen and Shumard, 1852

Barycrinus sampsoni S. A. Miller and Gurley, 1896

Holotype: UC 6992.

S. A. Miller and Gurley, 1896c, pp. 81–82, pl. 4, figs. 1–3.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Barycrinus washingtonensis S. A. Miller and Gurley, 1895

Holotype: UC 6451.

S. A. Miller and Gurley, 1895a, pp. 49–50, pl. 4, figs. 18, 19.

S. A. Miller, 1897, p. 735, text fig. 1302.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Batocrinus aequabilis S. A. Miller and Gurley, 1894

Holotype: UC 6427.

S. A. Miller and Gurley, 1894a, pp. 25–26, pl. 5, figs. 13–15.

= *Batocrinus subaequalis* (McChesney, 1860)

Wachsmuth and Springer, 1897, p. 369.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Gurley Collection.

Batocrinus affinis S. A. Miller and Gurley, 1896

Holotype: UC 6499.

S. A. Miller and Gurley, 1896c, pp. 55–56, pl. 4, figs. 8, 9.

Mississippian, Burlington Limestone.

Sagetown, Illinois; Gurley Collection.

Batocrinus altiusculus S. A. Miller and Gurley, 1894

Holotype: UC 6425.

S. A. Miller and Gurley, 1894a, pp. 20–21, pl. 5, figs. 1–3.

= *Eutrochoerinus christyi* (Shumard, 1855)

Wachsmuth and Springer, 1897, pp. 409–410.

Mississippian, Burlington Limestone.

Blackwater River, Missouri; Gurley Collection.

Batocrinus arcula S. A. Miller and Gurley, 1895

Holotype: UC 6440.

S. A. Miller and Gurley, 1895a, pp. 16–18, pl. 2, figs. 3–5.

S. A. Miller, 1897, p. 735, text fig. 1303.

Mississippian, St. Louis Group [Salem Limestone, catalogue].

Washington County, Indiana; Gurley Collection.

Batocrinus aspratilis S. A. Miller and Gurley, 1894

Holotype: UC 6426.

S. A. Miller and Gurley, 1894a, pp. 21–22, pl. 5, figs. 4–6.

= *Batocrinus clypeatus* (Hall, 1860)

Wachsmuth and Springer, 1897, p. 380.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Gurley Collection.

Batocrinus blairi S. A. Miller, 1892

Holotype: UC 6979.

S. A. Miller, 1892b, pp. 39–40, pl. 6, figs. 7–9.

S. A. Miller, 1894, pp. 293–294, pl. 6, figs. 7–9.

S. A. Miller, 1897, p. 735, text fig. 1304.

= *Eretmocrinus leucosia* (Hall, 1861)

Wachsmuth and Springer, 1897, pp. 401–402.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Batocrinus boonvillensis S. A. Miller, 1891

Holotype: UC 6242.

S. A. Miller, 1891a, pp. 65–66, pl. 10, fig. 13.

S. A. Miller, 1892a, pp. 675–676, pl. 10, fig. 13.

= *Dizygocrinus originarius* var. *adultus* (Wachsmuth and Springer, 1881)

Wachsmuth and Springer, 1897, pp. 422–423.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Batocrinus brittsi S. A. Miller, 1892

Holotype: UC 6976.

S. A. Miller, 1892b, pp. 33–34, pl. 5, figs. 21–23.

S. A. Miller, 1894, pp. 287–288, pl. 5, figs. 21–23.

Mississippian, Burlington Limestone.
Sedalia, Missouri; Sampson Collection.

Batocrinus burketi S. A. Miller and Gurley, 1895

Holotype: UC 6339.

S. A. Miller and Gurley, 1895a, pp. 19, 20, pl. 2, fig. 9.
Mississippian, Keokuk Group.
Hamilton, Illinois; Gurley Collection.

Batocrinus cantonensis S. A. Miller and Gurley, 1890

Holotype: UC 6158.

S. A. Miller and Gurley, 1890b, p. 36, pl. 6, fig. 9.
S. A. Miller and Gurley, 1891, pp. 354–355, pl. 6, fig. 9.
Mississippian, Keokuk Group.
Near Canton, Indiana; Gurley Collection.

Batocrinus casualis S. A. Miller and Gurley, 1895

Holotype: UC 6498.

S. A. Miller and Gurley, 1895a, pp. 15–16, pl. 1, figs. 17, 18.
Mississippian, Keokuk Group.
Tennessee; Gurley Collection.

Batocrinus casula S. A. Miller and Gurley, 1895

Holotype: UC 6434.

S. A. Miller and Gurley, 1895a, pp. 8–9, pl. 1, figs. 7, 8.
Mississippian, Keokuk Group.
Little Barren River in Kentucky; Gurley Collection.

Batocrinus cistula S. A. Miller and Gurley, 1896

Holotype: UC 6497.

S. A. Miller and Gurley, 1896a, pp. 18–19, pl. 1, figs. 24–26.
Mississippian, St. Louis Group [Salem Limestone, catalogue].
Lanesville, Indiana; Gurley Collection.

Batocrinus clypeatus (Hall, 1860)

See: *Batocrinus aspratilis* S. A. Miller and Gurley, 1894
Batocrinus comparilis S. A. Miller, 1892

Batocrinus commendabilis (S. A. Miller and Gurley, 1895)

See: *Eretmocrinus commendabilis* S. A. Miller and Gurley, 1895

Batocrinus comparilis S. A. Miller, 1892

Holotype: UC 6981.

S. A. Miller, 1892b, pp. 32–33, pl. 5, figs. 18–20.

S. A. Miller, 1894, pp. 286–287, pl. 5, figs. 18–20.

= *Batocrinus clypeatus* (Hall, 1860)

Wachsmuth and Springer, 1897, pp. 380–381.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Batocrinus copiosus S. A. Miller and Gurley, 1894

Holotype. UC 6441A.

S. A. Miller and Gurley, 1894c, pp. 51–52, pl. 5, figs. 5, 6.

Referred specimen: UC 6441A.

S. A. Miller and Gurley, 1894c, pp. 51–52.

Mississippian, Keokuk Group.

Little Barren River, Kentucky; Gurley Collection.

Batocrinus crawfordsvillensis S. A. Miller, 1891

Holotype: UC 6492.

S. A. Miller, 1891a, pp. 64–65, pl. 10, figs. 11, 12.

S. A. Miller, 1892a, pp. 674–675, pl. 10, figs. 11, 12.

= *Dizygocrinus crawfordsvillensis* (S. A. Miller, 1891)

Wachsmuth and Springer, 1897, p. 417.

Van Sant *in* Van Sant and Lane, 1964, pp. 111–112.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Batocrinus curiosus S. A. Miller and Gurley, 1895

Holotype: UC 6436.

S. A. Miller and Gurley, 1895a, pp. 6–8, pl. 1, figs. 4–6.

S. A. Miller, 1897, p. 736, text figs. 1305, 1306.

Mississippian, Keokuk Group.

Allen County, Kentucky; Gurley Collection.

Batocrinus decoris S. A. Miller, 1891

Holotype: UC 6204.

S. A. Miller, 1891a, pp. 61–62, pl. 10, figs. 7, 8.

S. A. Miller, 1892a, pp. 671–672, pl. 10, figs. 7, 8.

= *Dizygocrinus decoris* (S. A. Miller, 1891)

Wachsmuth and Springer, 1897, pp. 420–421.

Mississippian, Warsaw Group [Salem Limestone, catalogue].

Spergen Hill, Indiana; Gurley Collection.

Batocrinus delicatulus S. A. Miller and Gurley, 1896

Holotype: UC 6997.

S. A. Miller and Gurley, 1896b, pp. 12–13, pl. 1, figs. 20, 21.

Mississippian, Keokuk Group.

Boonville, Missouri; Sampson Collection.

Batocrinus enodatus S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6993.

Referred specimens: UC 6993, three specimens.

S. A. Miller and Gurley, 1896c, pp. 46–47, pl. 2, figs. 21–23.

Mississippian, Burlington Limestone.

Sagetown, Illinois; Sampson Collection.

Batocrinus faberi S. A. Miller and Gurley, 1896

Holotype: UC 8776.

S. A. Miller and Gurley, 1896b, pp. 18–19, pl. 2, figs. 3, 4.

Mississippian, Burlington Limestone.

Adams County, Illinois; Faber Collection.

Batocrinus facetus S. A. Miller and Gurley, 1890

Holotype: UC 6191.

S. A. Miller and Gurley, 1890b, p. 35, pl. 6, fig. 8.

S. A. Miller and Gurley, 1891, pp. 353–354, pl. 6, fig. 8.

= *Dizygocrinus facetus* (S. A. Miller and Gurley, 1890)

Wachsmuth and Springer, 1897, pp. 418–419.

Mississippian, Keokuk Group.

Near Canton, Indiana; Gurley Collection.

Batocrinus glaber S. A. Miller and Gurley, 1896

Holotype, not designated. UC 6479 is a "cotype."

Referred specimen: UC 6479.

S. A. Miller and Gurley, 1896c, pp. 32-35, pl. 1, fig. 28.

S. A. Miller, 1897, p. 736, text fig. 1308.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Batocrinus gorbyi S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6152.

Referred specimens: UC 6152, three specimens.

S. A. Miller, 1891a, pp. 63-64, pl. 10, fig. 10.

S. A. Miller, 1892a, pp. 673-674, pl. 10, fig. 10.

= ?*Dizygocrinus gorbyi* (S. A. Miller, 1891)

Wachsmuth and Springer, 1897, p. 426.

= *Dizygocrinus gorbyi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 429.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Batocrinus grandis (Lyon, 1859)

See: *Actinocrinus wachsmuthi* White, 1880

Batocrinus gurleyi S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6241 and UC 6999.

Referred specimens: UC 6241, two specimens.

S. A. Miller, 1891a, pp. 66-67, pl. 11, fig. 9.

S. A. Miller, 1892a, pp. 676-677, pl. 11, fig. 9.

= *Dizygocrinus gurleyi* (S. A. Miller, 1891)

Wachsmuth and Springer, 1897, p. 422.

Referred specimen: UC 6999.

S. A. Miller, 1891a, pp. 66-67, pl. 11, fig. 10.

S. A. Miller, 1892a, pp. 676-677, pl. 11, fig. 10.

= *Dizygocrinus gurleyi* (S. A. Miller, 1891)

Wachsmuth and Springer, 1897, p. 422, pl. 34, fig. 19.

Mississippian, Keokuk Group [published]; Warsaw Limestone [catalogue].

Boonville, Missouri; Gurley Collection.

Batocrinus honorabilis S. A. Miller and Gurley, 1895

Holotype: UC 6432.

S. A. Miller and Gurley, 1895a, pp. 10–11, pl. 1, figs. 9, 10.

S. A. Miller, 1897, p. 736, text fig. 1309.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Batocrinus jucundus S. A. Miller and Gurley, 1890

Holotype, not designated, to be selected from UC 6259.

Referred specimens: UC 6259, two specimens.

S. A. Miller and Gurley, 1890a, pp. 20–21, pl. 4, figs. 5, 6.

S. A. Miller and Gurley, 1890b, pp. 20–21, pl. 4, figs. 5, 6.

S. A. Miller and Gurley, 1891, pp. 341–342, pl. 4, figs. 5, 6.

= *Macrocrinus jucundus* (S. A. Miller and Gurley, 1890)

Wachsmuth and Springer, 1897, pp. 451–452.

= *Macrocrinus mundulus* (Hall, 1860)

Van Sant in Van Sant and Lane, 1964, p. 117, pl. 8, figs. 6, 13.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Batocrinus labellum S. A. Miller and Gurley, 1895

Holotype: UC 6437.

S. A. Miller and Gurley, 1895a, pp. 21–22, pl. 2, figs. 12–14.

S. A. Miller, 1897, p. 737, text fig. 1310.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Batocrinus lacinosus S. A. Miller and Gurley, 1895

Holotype: UC 6433.

S. A. Miller and Gurley, 1895a, pp. 14–15, pl. 1, figs. 15, 16.

Referred specimen: UC 6433A.

S. A. Miller and Gurley, 1895a, pp. 14–15.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Batocrinus laetus S. A. Miller and Gurley, 1894

Holotype: UC 6428.

S. A. Miller and Gurley, 1894a, pp. 24–25, pl. 5, figs. 10–12.

= *Batocrinus turbinatus* (Hall, 1858)

Wachsmuth and Springer, 1897, p. 375.

Mississippian, Burlington.

Sedalia, Missouri; Gurley Collection.

Batocrinus laterna S. A. Miller and Gurley, 1895

Holotype: UC 6431.

S. A. Miller and Gurley, 1895a, pp. 12–14, pl. 1, figs. 13, 14.

S. A. Miller, 1897, p. 737, text fig. 1311.

Mississippian, Keokuk Group.

White Creek Springs, Tennessee; Gurley Collection.

Batocrinus laura (Hall, 1861)

See: *Batocrinus scyphus* S. A. Miller and Gurley, 1894

?Batocrinus longirostris (Hall, 1858)

See: *Actinocrinus longirostris* Hall, 1858

Batocrinus lyonanus S. A. Miller and Gurley, 1894

Holotype: UC 6266.

S. A. Miller and Gurley, 1894a, pp. 18–19, pl. 3, figs. 4, 5.

= *Dizygocrinus biturbinatus* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 427–428.

Mississippian, St. Louis Group [Salem Limestone, catalogue].

Hardin County, Kentucky; Gurley Collection.

Batocrinus marinus S. A. Miller and Gurley, 1890

Holotype: UC 6164.

S. A. Miller and Gurley, 1890a, pp. 19–20, pl. 4, figs. 3, 4.

S. A. Miller and Gurley, 1890b, pp. 19–20, pl. 4, figs. 3, 4.

S. A. Miller and Gurley, 1891, pp. 340–341, pl. 4, figs. 3, 4.

= *Uperocrinus marinus* (S. A. Miller and Gurley, 1890)

Van Sant *in* Van Sant and Lane, 1964, p. 118, pl. 8, fig. 3.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Batocrinus mediocris S. A. Miller, 1891

Holotype: UC 6153.

S. A. Miller, 1891a, pp. 62–63, pl. 10, fig. 9.

S. A. Miller, 1892a, pp. 672–673, pl. 10, fig. 9.

= *Dizygocrinus originarius* var. *adultus* (Wachsmuth and Springer, 1881)

Wachsmuth and Springer, 1897, pp. 422–423.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Batocrinus niteus S. A. Miller and Gurley, 1896

Holotype: UC 6424.

S. A. Miller and Gurley, 1896b, pp. 15–16, pl. 1, figs. 30–32.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Batocrinus nodosarius S. A. Miller and Gurley, 1896

Holotype: UC 8775.

S. A. Miller and Gurley, 1896c, pp. 22–23, pl. 1, figs. 11, 12.

S. A. Miller, 1897, p. 737, text fig. 1314.

Mississippian, Burlington.

Adams County, Illinois; Faber Collection.

Batocrinus parilis S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6438.

Referred specimens: UC 6438, three specimens.

S. A. Miller and Gurley, 1896b, pp. 17–18, pl. 2, figs. 1, 2.

S. A. Miller, 1897, p. 738, text fig. 1315.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Batocrinus pettisensis S. A. Miller and Gurley, 1896

Holotype: UC 6975.

S. A. Miller and Gurley, 1896b, pp. 19–20, pl. 2, figs. 5, 6.

S. A. Miller, 1897, p. 738, text fig. 1316.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Batocrinus pileus S. A. Miller and Gurley, 1895

Holotype: UC 6439.

S. A. Miller and Gurley, 1895a, pp. 18–19, pl. 2, figs. 6–8.

S. A. Miller, 1897, p. 738, text fig. 1317.

Mississippian, St. Louis Group [Salem Limestone, catalogue].
Washington County, Indiana; Gurley Collection.**Batocrinus poculum** S. A. Miller and Gurley, 1890

Holotype: UC 6197.

S. A. Miller and Gurley, 1890b, p. 34, pl. 6, figs. 6, 7.

S. A. Miller and Gurley, 1891, pp. 352–353, pl. 6, figs. 6, 7.

Laudon and Beane, 1937, p. 244.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Batocrinus prodigialis S. A. Miller and Gurley, 1895

Holotype: UC 6453.

S. A. Miller and Gurley, 1895b, pp. 39–40, pl. 3, figs. 4–6.

S. A. Miller, 1897, p. 738, text fig. 1318.

Mississippian, Keokuk Group.

Button Mould Knob, Kentucky; Gurley Collection.

Batocrinus pulchellus S. A. Miller, 1891

Holotype: UC 6243.

S. A. Miller, 1891a, p. 68, pl. 11, figs. 13, 14.

S. A. Miller, 1892a, p. 678, pl. 11, figs. 13, 14.

= *Dizygocrinus unionensis* Wachsmuth and Springer, 1897

Wachsmuth and Springer, 1897, p. 424.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Batocrinus regalis S. A. Miller and Gurley, 1896

Holotype: UC 6977.

S. A. Miller and Gurley, 1896b, pp. 14–15, pl. 1, figs. 22–24.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Batocrinus repertus S. A. Miller and Gurley, 1896

Holotype: UC 6980.

S. A. Miller and Gurley, 1896c, pp. 70–71, pl. 4, figs. 28–30.
Mississippian, Burlington Limestone.
Sedalia, Missouri; Sampson Collection.

Batocrinus rudis S. A. Miller and Gurley, 1896

Holotype: UC 8777.

S. A. Miller and Gurley, 1896c, pp. 52–53, pl. 4, fig. 4.
Mississippian, Keokuk Group.
Little Barren River, Kentucky; Faber Collection.

Batocrinus saccellus S. A. Miller and Gurley, 1896

Holotype: UC 6422.

S. A. Miller and Gurley, 1896c, pp. 40–41, pl. 2, figs. 9–11.
Mississippian, Burlington Limestone.
Burlington, Iowa; Gurley Collection.

Batocrinus sacculus S. A. Miller and Gurley, 1894

Holotype: UC 6496.

S. A. Miller and Gurley, 1894c, pp. 52–53, pl. 5, figs. 7–9.
= *Dizygocrinus sacculus* (S. A. Miller and Gurley, 1894)
Wood, 1909, pp. 72–73.
Mississippian, Keokuk Group.
Washington County, Indiana; Gurley Collection.

Batocrinus sagetownensis S. A. Miller and Gurley, 1896

Holotype: UC 6423.

S. A. Miller and Gurley, 1896c, pp. 54–55, pl. 4, figs. 5–7.
Mississippian, Burlington Limestone.
Sagetown, Illinois; Gurley Collection.

Batocrinus scyphus S. A. Miller and Gurley, 1894

Holotype: UC 6490.

S. A. Miller and Gurley, 1894a, pp. 23–24, pl. 5, figs. 7–9.
= *Batocrinus laura* (Hall, 1861)
Wachsmuth and Springer, 1897, p. 384.
Mississippian, Burlington Limestone.
Sedalia, Missouri; Gurley Collection.

Batocrinus selectus S. A. Miller and Gurley, 1896

Holotype: UC 6421.

S. A. Miller and Gurley, 1896c, pp. 37-38, pl. 2, figs. 3-5.
Mississippian, Burlington Limestone.
Sagetown, Illinois; Gurley Collection.

Batocrinus signatus S. A. Miller and Gurley, 1896

Holotype: UC 6429.

S. A. Miller and Gurley, 1896b, pp. 10-11, pl. 1, figs. 16, 17.
Mississippian, Keokuk Group.
Keokuk, Iowa; Gurley Collection.

Batocrinus spergenensis S. A. Miller, 1891

Holotype: UC 6205.

S. A. Miller, 1891a, pp. 60-61, pl. 10, figs. 5, 6.
S. A. Miller, 1892a, pp. 670-671, pl. 10, figs. 5, 6.
= *Dizygocrinus whitei* (Wachsmuth and Springer, 1881)
Wachsmuth and Springer, 1897, pp. 419-420.
Mississippian, Warsaw Group [Salem Limestone, catalogue].
Spergen Hill, Indiana; Gurley Collection.

Batocrinus spinosus S. A. Miller and Gurley, 1895

Holotype: UC 6435.

S. A. Miller and Gurley, 1895a, pp. 5-6, pl. 1, figs. 1-3.
S. A. Miller, 1897, p. 739, text fig. 1319.
= *Eretmocrinus spinosus* (S. A. Miller and Gurley, 1895)
Bassler and Moodey, 1943, p. 458.
Mississippian, Keokuk Group.
Little Barren River, Kentucky; Gurley Collection.

Batocrinus stelliformis S. A. Miller and Gurley, 1896

Holotype: UC 6998.

S. A. Miller and Gurley, 1896b, pp. 9-10, pl. 1, figs. 13-15.
Mississippian, Keokuk Group.
Boonville, Missouri; Sampson Collection.

Batocrinus strenuus S. A. Miller and Gurley, 1896

Holotype: UC 6486.

S. A. Miller and Gurley, 1896b, pp. 11-12, pl. 1, figs. 18, 19.

Mississippian, Keokuk Group.
Boonville, Missouri; Gurley Collection.

Batocrinus subaequalis (McChesney, 1860)

See: *Batocrinus aequabilis* S. A. Miller and Gurley, 1894

Batocrinus subaequatus S. A. Miller and Gurley, 1896

Holotype: UC 6978.

S. A. Miller and Gurley, 1896c, pp. 72–73, pl. 4, figs. 33–35.
Mississippian, Burlington Limestone.
Sedalia, Missouri; Sampson Collection.

Batocrinus sublevis S. A. Miller and Gurley, 1896

Holotype: UC 6420.

S. A. Miller and Gurley, 1896c, pp. 41–43, pl. 2, figs. 12–14.
Mississippian, Burlington Limestone.
Sagetown, Illinois; Gurley Collection.

Batocrinus turbinatus (Hall, 1858)

See: *Batocrinus laetus* S. A. Miller and Gurley, 1894

Batocrinus venustus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6244.

Referred specimens: UC 6244, two specimens.

S. A. Miller, 1891a, p. 67, pl. 11, figs. 11, 12.

S. A. Miller, 1892a, p. 677, pl. 11, figs. 11, 12.

= *Dizygocrinus euconus* var. *abscissus* (Rowley and Hare, 1891)

Wachsmuth and Springer, 1897, p. 431.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Batocrinus verneuillianus (Shumard, 1855)

Referred specimen: UC 7988.

Meek and Worthen, 1873, p. 379, pl. 4, fig. 4.

= *Macrocrinus verneuillianus* (Shumard, 1855)

Wachsmuth and Springer, 1897, pp. 450–451.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Batocrinus wachsmuthi (White, 1880)

See: *Actinocrinus wachsmuthi* White, 1880

Batocrinus wetherbyi S. A. Miller and Gurley, 1895

Holotype: UC 6430.

S. A. Miller and Gurley, 1895a, pp. 11–12, pl. 1, figs. 11, 12.

Mississippian, Keokuk Group.

White Creek Springs, Tennessee; Gurley Collection.

Batocrinus sp.

Referred specimens: UC 9082, two specimens.

Wilson, 1916, p. 509, pl. 2, figs. 10, 11.

Mississippian, Burlington.

Burlington, Iowa; Gurley Collection.

Belemnocrinus sampsoni S. A. Miller, 1891

Holotype: UC 6970.

S. A. Miller, 1891b, p. 26, pl. 3, fig. 8.

S. A. Miller, 1897, p. 739, text fig. 1320.

Mississippian, Burlington Group.

Sedalia, Missouri [published]; Pettis County, Missouri [catalogue];

Sampson Collection.

Blairocrinus arrosus S. A. Miller, 1892

Lectotype: UC 6947A; designated by Brower, 1967, p. 703.

S. A. Miller, 1892b, p. 41.

S. A. Miller, 1894, p. 295.

Brower, 1967, pp. 701–704, text fig. 8D, pl. 77, fig. 11.

= *Actinocrinus arrosus* (S. A. Miller, 1892)

Keyes, 1894, p. 186.

Wachsmuth and Springer, 1897, pp. 577–578.

Peck and Keyte in Branson, 1938, pp. 79–81.

= *Actinocrinites arrosus* (S. A. Miller, 1892)

Bassler and Moody, 1943, p. 267.

Referred specimens: UC 6947B–D, three specimens.

S. A. Miller, 1892b, p. 41, pl. 7, figs. 1, 3 (UC 6947B);

2, 4, 5 (UC 6947C).

S. A. Miller, 1892c, p. 675, text fig. 1216 (UC 6947B).

- S. A. Miller, 1894, p. 295, pl. 7, figs. 1, 3 (UC 6947B); 2, 4, 5 (UC 6947C).
- Brower, 1967, pp. 701–704, text figs. 8A–C(UC 6947D); 8E(UC 6947B), pl. 77, figs. 7, 8, 12(UC 6947D); 18(UC 6947B).
- = *Actinocrinus arrosus* (S. A. Miller, 1892)
- Keyes, 1894, p. 186.
- Wachsmuth and Springer, 1897, pp. 577–578, pl. 55, figs. 7 (UC 6947C), 8a–8c(UC 6947D).
- Peck and Keyte *in* Branson, 1938, pp. 79–81, pl. 28, figs. 9, 10 (UC 6947D), 17(UC 6947B).
- = *Actinocrinites arrosus* (S. A. Miller, 1892)
- Bassler and Moodey, 1943, p. 267.
- Mississippian, Chouteau Limestone [S. A. Miller]; Kinderhookian, Compton Limestone [Brower].
- Sedalia [S. A. Miller]; Pettis County, [Brower, locality 12] Missouri; Sampson Collection.

Referred specimens: UC 9642, six specimens.

Brower, 1967, pp. 701–704, text figs. 8J, 8K, pl. 77, figs. 6, 10(UC 9642A).

Mississippian, Chouteau Limestone [catalogue]; Kinderhookian, Compton Limestone [Brower].

Brower, 1967 locality 15, Pettis County, Missouri; Sampson Collection.

See also: *Blairocrinus bullatus* S. A. Miller, 1892

Blairocrinus bullatus S. A. Miller, 1892

Holotype: UC 6227.

S. A. Miller, 1892b, pp. 41–42, pl. 7, figs. 6, 7.

S. A. Miller, 1894, pp. 295–296, pl. 7, figs. 6, 7.

= *Actinocrinus arrosus* (S. A. Miller, 1892)

Keyes, 1894, p. 186.

Wachsmuth and Springer, 1897, pp. 577–578.

Peck and Keyte *in* Branson, 1938, pp. 79–81.

= *Actinocrinites arrosus* (S. A. Miller, 1892)

Bassler and Moodey, 1943, p. 267.

= *Blairocrinus arrosus* S. A. Miller, 1892

Brower, 1967, pp. 701–704, text fig. 8F, pl. 77, fig. 9.

Mississippian, Chouteau Limestone [S. A. Miller]; Kinderhookian, Compton Limestone [Brower].

Sedalia, Missouri [Brower, locality 12]; Gurley Collection.

Blairocrinus spinosulus S. A. Miller and Gurley, 1894

Holotype: UC 6601.

S. A. Miller and Gurley, 1894, pp. 28–29, pl. 7, figs. 16–18.

= *Actinocrinus spinulosus* [sic] (S. A. Miller and Gurley, 1894)

Peck and Keyte in Branson, 1938, pp. 88–89, pl. 28, figs. 23–25.

= *Actinocrinites spinulosus* [sic] (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 274.

Moore and Laudon in Shimer and Shroek, 1944, p. 193, pl. 77, fig. 13.

= *Actinocrinus spinosulus* (S. A. Miller and Gurley, 1894)

Bowsher, 1955, p. 7.

Brower, 1967, pp. 692–693.

Mississippian, Chouteau Limestone [S. A. Miller]; Kinderhookian, Compton Limestone [Brower].

Sedalia, Missouri [Brower locality 12]; Gurley Collection.

Blairocrinus trijugis S. A. Miller, 1891

Holotype: UC 8759.

S. A. Miller, 1891a, pp. 69–70, pl. 11, figs. 1–3.

S. A. Miller, 1892a, pp. 679–680, pl. 11, figs. 1–3.

S. A. Miller, 1892c, p. 675, text figs. 1217.

Brower, 1967, pp. 698–701, text figs. 1C, 1F, 6A, 6B, pl. 78, figs. 5–7.

= *Gennaeocrinus trijugis* (S. A. Miller, 1891)

Keyes, 1894, p. 174, pl. 23, figs. 3a, 3b.

= *Actinocrinus trijugis* (S. A. Miller, 1891)

Wachsmuth and Springer, 1897, pp. 576–577.

Peck and Keyte in Branson, 1938, pp. 86–88, pl. 28, figs. 1–3.

= *Actinocrinites trijugis* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 276.

Mississippian, Chouteau Limestone [S. A. Miller]; Kinderhookian, Compton Limestone [Brower].

Near Sedalia, Pettis County Missouri [Brower locality 12]; Faber Collection.

Referred specimens: UC 9641A–C, three specimens.

Brower, 1967, pp. 698–701, text figs. 6D–6H, pl. 77, fig. 5, pl. 78, figs. 8–12.

Referred specimens: UC 964, eight specimens.

Brower, 1967, pp. 698–701.

Mississippian, Chouteau Limestone [catalogue]; Kinderhookian, Compton Limestone [Brower].

Brower, 1967 locality 15, Pettis County, Missouri; Sampson Collection.

See also: *Actinocrinus trijugis* (S. A. Miller, 1891)

Blothrocrinus spartarius (S. A. Miller and Gurley, 1890)

See: *Poteroocrinus genista* S. A. Miller and Gurley, 1890

Poteroocrinus scopae S. A. Miller and Gurley, 1890

Poteroocrinus spartarius S. A. Miller and Gurley, 1890

Cactocrinus fossatus (S. A. Miller, 1892)

See: *Actinocrinus fossatus* S. A. Miller, 1892

Calceocrinus kentuckiensis S. A. Miller and Gurley, 1894

Holotype: UC 6044.

S. A. Miller and Gurley, 1894c, pp. 29–30, pl. 2, figs. 24, 25.

S. A. Miller, 1897, p. 740, text fig. 1322.

= *Cremacrinus kentuckiensis* (S. A. Miller and Gurley, 1894)
Springer, 1926, p. 109.

Referred specimen: UC 6044A.

S. A. Miller and Gurley, 1894c, pp. 29–30.

= *Cremacrinus kentuckiensis* (S. A. Miller and Gurley, 1894)
Springer, 1926, p. 109.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Calceocrinus nodosus (Hall, 1860)

See: *Cheirocrinus nodosus* Hall, 1860

Calceocrinus tunicatus (Hall, 1860)

See: *Cheirocrinus tunicatus* Hall, 1860

Callicrinus bifurcatus S. Weller, 1900

Holotype: UC 6650.

S. Weller, 1900, pp. 125–126, pl. 8, fig. 7.

= *Calliocrinus bifurcatus* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran, Racine.

Joliet, Illinois; J. H. Ferriss, donor.

Callicrinus bilobus (S. Weller, 1897)

See: *Cryptodiscus bilobus* S. Weller, 1897

Callicrinus cornutus (Hall, 1867)

Referred specimen: UC 4626.

S. Weller, 1900, pp. 118–119, pl. 8, figs. 1, 2.

= *Calliocrinus cornutus* (Hall, 1867)

Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran.

Chicago, Illinois.

Callicrinus corrugatus (S. Weller, 1897)

See: *Cryptodiscus corrugatus* S. Weller, 1897

Callicrinus digitatus (S. Weller, 1897)

See: *Cryptodiscus digitatus* S. Weller, 1897

Callicrinus hydei (S. Weller, 1897)

See: *Cryptodiscus hydei* S. Weller, 1897

Callicrinus longispinus S. Weller, 1900

Holotype, not designated, to be selected from UC 4670.

Referred specimens: UC 4670, two specimens.

S. Weller, 1900, pp. 119–120, pl. 8, figs. 4, 5.

= *Calliocrinus longispinus* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 379.

Silurian, Niagaran.

Joliet, Illinois.

Callicrinus pentangularis S. Weller, 1900

Holotype: UC 6589.

S. Weller, 1900, pp. 120–121, pl. 8, fig. 6.

= *Calliocrinus pentangularis* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 379.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois; H. H. Hindshaw, donor.

Calliocrinus bifurcatus (S. Weller, 1900)

See: *Callicrinus bifurcatus* S. Weller, 1900

Calliocrinus bilobus (S. Weller, 1897)

See: *Cryptodiscus bilobus* S. Weller, 1897

Calliocrinus cornutus (Hall, 1867)

See: *Callicrinus cornutus* (Hall, 1867)

Calliocrinus corrugatus (S. Weller, 1897)

See: *Cryptodiscus corrugatus* S. Weller, 1897

Calliocrinus digitatus (S. Weller, 1897)

See: *Cryptodiscus digitatus* S. Weller, 1897

Calliocrinus hydei (S. Weller, 1897)

See: *Cryptodiscus hydei* S. Weller, 1897

Calliocrinus longispinus (S. Weller, 1900)

See: *Callicrinus longispinus* S. Weller, 1900

Calliocrinus pentangularis (S. Weller, 1900)

See: *Callicrinus pentangularis* S. Weller, 1900

Camarocrinus clarkii Hall, 1879

Holotype: UC 12208.

Hall, 1879c, pp. 209–210, pl. 36, figs. 7, 8, pl. 37, fig. 3.

Hall, 1880, pp. 7–8, pl. 36, figs. 7, 8, pl. 37, fig. 3.

= *Camarocrinus saffordi* Hall, 1879

Schuchert, 1904, pp. 270–271.

= *Scyphocrinus pratteni* (McChesney, 1860)

Springer, 1917, pp. 50–54.

= *Scyphocrinites clarkii* (Hall, 1879)
Bassler and Moody, 1943, p. 674.

Devonian, Lower Helderberg.

Hardin County, Tennessee; Hall Collection.

Camarocrinus saffordi Hall, 1879

Holotype, not designated, to be selected from UC 12209.

Referred specimens: UC 12209, seven specimens.

Hall, 1879c, pp. 208–209, pl. 36, figs. 1–6, pl. 37, figs. 1, 2.

Hall, 1880, pp. 6–7, pl. 36, figs. 1–6, pl. 37, figs. 1, 2.

Grabau and Shimer, 1910, p. 562, text fig. 1898.

= *Scyphocrinus pratteni* (McChesney, 1860)
Springer, 1917, pp. 50–54.

= *Scyphocrinites pratteni* (McChesney, 1860)
Bassler and Moody, 1943, p. 675.

Devonian, Lower Helderberg Group.

Hardin County, Tennessee; Hall Collection.

See also: *Camarocrinus clarkii* Hall, 1879

Carabocrinus ovalis S. A. Miller and Gurley, 1894

Holotype: UC 6042.

S. A. Miller and Gurley, 1894c, p. 25, pl. 2, figs. 20, 21.

S. A. Miller, 1897, p. 740, text fig. 1323.

Referred specimen: UC 6042A.

S. A. Miller and Gurley, 1894c, p. 25.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Carabocrinus slocomi Foerste, 1924

Referred specimen: UC 54074.

Foerste *in* Slocom and Foerste, 1924, pp. 350–353, pl. 31, figs.
4, 5, 9, 10.

Referred specimen: UC 54075.

Foerste *in* Slocom and Foerste, 1924, pp. 350–353, pl. 32, fig. 1.

Referred specimens: UC 54076, four specimens.

Foerste *in* Slocum and Foerste, 1924, pp. 350–353, pl. 32, figs. 11–14.

Ordovician, Lower Maquoketa.

Clermont, Iowa; gift of A. G. Becker.

Carabocrinus slocomi costatus Foerste, 1924

Referred specimen: P 18532.

Foerste *in* Slocum and Foerste, 1924, p. 353, pl. 32, fig. 10.

Referred specimen: UC 54077.

Foerste *in* Slocum and Foerste, 1924, p. 353, pl. 32, fig. 4.

Referred specimens: UC 54078, four specimens.

Foerste *in* Slocum and Foerste, 1924, p. 353, pl. 32, figs. 17, 18, 21, 22.

Referred specimens: UC 54079, four specimens.

Foerste *in* Slocum and Foerste, 1924, p. 353, pl. 32, figs. 19, 27–29.

Ordovician, Lower Maquoketa.

Clermont, Iowa; gift of A. G. Becker.

Carpocrinus farringtoni (Slocum, 1908)

See: *Habrocrinus farringtoni* Slocum, 1908

Carpocrinus lemontensis (Slocum, 1908)

See: *Habrocrinus lemontensis* Slocum, 1908

Cheirocrinus nodosus Hall, 1860

Holotype: original designation, UC 6354.

Hall, 1860b, p. 124.

= *Calceocrinus nodosus* (Hall, 1860)

Hall, 1872b, pl. 6, fig. 15.

= *Halysiocrinus nodosus* (Hall, 1860)

Ulrich, 1886, pp. 110–113.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Cheirocrinus tunicatus Hall, 1860

Holotype, not designated, to be selected from UC 12928.

Referred specimens: UC 12928, six specimens.

Hall, 1860b, p. 124, text fig.

= *Calceocrinus tunicatus* (Hall, 1860)

Hall, 1882b, p. 281, text fig. 1.

= *Halysiocrinus tunicatus* (Hall, 1860)

Bassler and Moodey, 1943, p. 501.

Mississippian, Keokuk Limestone.

Warsaw and Nauvoo, Illinois; Hall Collection.

Chicagocrinus inornatus S. Weller, 1900

Holotype: UC 6644.

S. Weller, 1900, pp. 128–129, pl. 7, figs. 10–12.

Referred specimen: UC 10787.

Wilson, 1916, pl. 2, fig. 2.

Silurian, Niagaran.

Joliet, Illinois.

Chicagocrinus ornatus S. Weller, 1900

Holotype: UC 6590.

S. Weller, 1900, pp. 127–128, pl. 7, fig. 9.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois; H. H. Hindshaw, donor.

Cibolocrinus symmetricus S. Weller, 1909

Holotype, not designated, to be selected from UC 13372.

Referred specimens: UC 13372A and B, two specimens.

S. Weller, 1909b, pp. 633–634, pl. 1, figs. 27–30.

= *Stuartwellerocrinus symmetricus* (S. Weller, 1909)

Moore and Plummer, 1938, pp. 305–306.

Moore and Plummer, 1940, pp. 332–333, pl. 15, figs. 2a, 2b, 3.

Moore and Laudon in Shimer and Shrock, 1944, p. 175, pl. 60, figs. 19a–19c.

Referred specimen: UC 13372C.

S. Weller, 1909b, pp. 633–634.

= *Stuartwellerocrinus turbinatus* (S. Weller, 1909)

Moore and Plummer, 1938, pp. 305–306.

Moore and Plummer, 1940, pp. 329–333.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Cibolocrinus texanus S. Weller, 1909

Holotype: original designation, UC 13373.

S. Weller, 1909b, p. 633, pl. 1, figs. 18, 19.

= *Stuartwellerocrinus texanus* (S. Weller, 1909)

Moore and Plummer, 1938, pp. 305–306.

Moore and Plummer, 1940, pp. 331–332, pl. 15, figs. 1a–1c.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Cibolocrinus turbinatus S. Weller, 1909

Holotype, not designated, to be selected from UC 13371.

Referred specimens: UC 13371A and B, two specimens.

S. Weller, 1909b, pp. 632–633, pl. 1, figs. 23–26.

= *Stuartwellerocrinus turbinatus* (S. Weller, 1909)

Moore and Plummer, 1938, pp. 305–306.

Moore and Plummer, 1940, pp. 329–331.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

See also: *Cibolocrinus symmetricus* S. Weller, 1909

Cibolocrinus typus S. Weller, 1909

Holotype, not designated, to be selected from UC 13370.

Referred specimens: UC 13370A and B, two specimens.

S. Weller, 1909b, pp. 631–632, pl. 1, figs. 20–22.

Moore and Plummer, 1940, pp. 85–86, pl. 1, figs. 1a–1c.

Moore and Laudon *in* Shimer and Shrock, 1944, pp. 181–183, pl. 56, figs. 16a–16c.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Clonocrinus chicagoensis (S. Weller, 1900)

See: *Corymbocrinus chicagoensis* S. Weller, 1900

Clonocrinus niagarensis (S. Weller, 1900)

See: *Corymbocrinus niagarensis* S. Weller, 1900

Comanthocrinus indianensis (S. A. Miller and Gurley, 1897)

See: *Stereocrinus indianensis* S. A. Miller and Gurley, 1897

Corocrinus sampsoni (S. A. Miller and Gurley, 1896)

See: *Amphocrinus sampsoni* S. A. Miller and Gurley, 1896

Corymbocrinus chicagoensis S. Weller, 1900

Holotype, not designated, to be selected from UC 6430.

Referred specimens: UC 4630, three specimens.

S. Weller, 1900, pp. 100–101, pl. 4, figs. 1–3.

= *Clonocrinus chicagoensis* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 367.

Silurian, Niagaran.

Chicago, Cicero, and Romeo, Illinois.

Corymbocrinus niagarensis S. Weller, 1900

Holotype: original designation, UC 6645.

S. Weller, 1900, pp. 101–102, pl. 4, figs. 4, 5.

= *Clonocrinus niagarensis* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 367.

Silurian, Niagaran.

Chicago, Illinois; H. H. Hindshaw, donor.

Cosmetocrinus crawfordsvillensis (S. A. Miller and Gurley, 1890)

See: *Poteriocrinus crawfordsvillensis* S. A. Miller and Gurley, 1890

Cosmetocrinus elegantulus (Wachsmuth and Springer, 1889)

See: *Poteriocrinus legrandensis* S. A. Miller and Gurley, 1890

Cremacrinus kentuckiensis (S. A. Miller and Gurley, 1894)

See: *Calceocrinus kentuckiensis* S. A. Miller and Gurley, 1894

Crinocystites chrysalis Hall, 1868

Referred specimen: UC 22914.

Foerste, 1920, pp. 67–70, pl. 1, fig. 3a.

= *Eucalyptocrinus* sp.? museum catalogue.

Silurian, Niagaran, Racine Dolomite.

Racine, Wisconsin; Van Horne Collection.

Cromyocrinus gracilis Wetherby, 1880

Holotype: UC 6493, specimen broken.

Wetherby, 1880b, pp. 248–250, pl. 16, figs. 2–2e.

= *Phanocrinus gracilis* (Wetherby, 1880)

Kirk, 1937, pp. 604–605.

Bassler and Moodey, 1943, p. 608.

= *Pentaramicrinus gracilis* (Wetherby, 1880)

Sutton and Winkler, 1940, pp. 558–559, pl. 66, figs. 14, 15.

Burdick and Strimple, 1969, p. 9.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

Cromyocrinus grandis Mather, 1915

Holotype: original designation, UC 16179.

Mather, 1915, pp. 102–104, text fig. 1, pl. 3, figs. 2, 2a.

Moore and Plummer, 1938, p. 255, text fig. 13.

Pennsylvanian, Brentwood Limestone.

Mather, 1915 station 145, near Brentwood, Arkansas; Mather, donor.

Cromyocrinus kansasensis (S. A. Miller and Gurley, 1890)

See: *Ulocrinus kansasensis* S. A. Miller and Gurley, 1890

Cromyocrinus sp.

Referred specimen: UC 48286.

Easton, 1942, pl. 2, fig. 13.

Mississippian, Pitkin Formation.

Thick shale in quarry west of road 0.3 miles south of Leslie, Arkansas; Easton Collection.

Crotalocrinites cora (Hall, 1868)

See: *Crotalocrinus americanus* S. Weller, 1900
Crotalocrinus cora (Hall, 1868)
Cyathocrinus cora Hall, 1868

Crotalocrinites vanhornei (S. A. Miller, 1881)

See: *Cyathocrinus vanhornei* S. A. Miller, 1881

Crotalocrinus americanus S. Weller, 1900

Holotype: UC 6592.

S. Weller, 1900, pp. 143-145, pl. 14, fig. 1.

Grabau and Shimer, 1910, p. 561.

= *Crotalocrinus cora* (Hall, 1868)

S. Weller, 1902, pp. 532-534, pl. 3, fig. 3.

= *Crotalocrinites cora* (Hall, 1868)

Bassler and Moodey, 1943, p. 378.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois; H. H. Hindshaw, donor.

Crotalocrinus cora (Hall, 1868)

Referred specimen: UC 8605.

S. Weller, 1902, pp. 532-534, pl. 3, fig. 1.

= *Crotalocrinites cora* (Hall, 1868)

Bassler and Moodey, 1943, p. 378.

Silurian, Niagaran.

Hawthorne, Illinois (now Dolese-Shepard Quarry in Chicago, Illinois); G. F. Harris, donor.

Referred specimens: P 8809, two specimens.

Slocom, 1908, p. 292, pl. 86, figs. 3, 4.

Silurian, Niagara Limestone.

Hawthorne, Illinois (now Dolese-Shepard Quarry in Chicago, Illinois); collected by Slocom, 1906.

Remarks: *C. cora* = *Crotalocrinites cora* (Hall, 1868) Bassler and Moodey, 1943, p. 378.

See also: *Crotalocrinus americanus* S. Weller, 1900

Cyathocrinus cora Hall, 1868

Crotalocrinus? vanhornei (S. A. Miller, 1881)

See: *Cyathocrinus vanhornei* S. A. Miller, 1881

Cryptodiscus bilobus S. Weller, 1897

Holotype: UC 4419.

S. Weller, 1897a, p. 749, pl. fig. 8.

= *Callicrinus bilobus* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, p. 125, pl. 10, fig. 4.

= *Calliocrinus bilobus* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 348.

Silurian, Niagara Limestone.

Joliet, Illinois.

Cryptodiscus corrugatus S. Weller, 1897

Holotype, not designated, to be selected from UC 5993.

Referred specimens: UC 5993, two specimens.

S. Weller, 1897a, pp. 747–748, pl. figs. 1, 2.

= *Callicrinus corrugatus* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, pp. 123–124, pl. 11, figs. 6, 7.

= *Calliocrinus corrugatus* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 348.

Silurian, Niagaran.

Chicago Drainage Canal, Joliet, Illinois; L. H. Hyde, donor.

Cryptodiscus digitatus S. Weller, 1897

Holotype: original designation, UC 5995A.

S. Weller, 1897a, p. 749, pl. fig. 6.

= *Callicrinus digitatus* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, pp. 124–125, pl. 9, fig. 4.

= *Calliocrinus digitatus* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 349.

Referred specimen: UC 5995B.

S. Weller, 1897a, p. 749, pl. fig. 7.

= *Callicrinus digitatus* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, pp. 124–125, pl. 11, fig. 5.

= *Calliocrinus digitatus* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 349.

Referred specimen: UC 5996.

S. Weller, 1897a, p. 749, pl. fig. 5.

= *Callicrinus digitatus* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, pp. 124–125, pl. 9, fig. 3.

= *Calliocrinus digitatus* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 349.

Silurian, Niagara Limestone.

Chicago Drainage Canal, Lemont, Illinois; L. H. Hyde, donor.

Cryptodiscus hydei S. Weller, 1897

Holotype: original designation, UC 5994A.

S. Weller, 1897a, pp. 748–749, pl. fig. 3.

= *Callicrinus hydei* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, p. 124, pl. 8, fig. 8.

= *Calliocrinus hydei* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 349.

Referred specimen: UC 5994B.

S. Weller, 1897a, pp. 748–749, pl. fig. 4.

= *Callicrinus hydei* (S. Weller, 1897)

S. Weller, 1897b, p. 808.

S. Weller, 1900, p. 124, pl. 10, fig. 2.

= *Calliocrinus hydei* (S. Weller, 1897)

Bassler and Moodey, 1943, p. 349.

Silurian, Niagaran.

Chicago Drainage Canal, Romeo, Illinois; L. H. Hyde, donor.

Ctenocrinus pachydactylus (Conrad, 1841)

See: *Mariacrinus pachydactylus* (Conrad, 1841)

Culmicrinus missouriensis (Shumard, 1857)

See: *Pachylocrinus missouriensis* (Shumard, 1857)

Cyathocrinites andersoni (S. A. Miller and Gurley, 1894)

See: *Cyathocrinus andersoni* S. A. Miller and Gurley, 1894

Cyathocrinites boonvillensis (S. A. Miller, 1891)

See: *Cyathocrinus boonvillensis* S. A. Miller, 1891

Cyathocrinites gurleyi (S. A. Miller, 1891)

See: *Cyathocrinus gurleyi* S. A. Miller, 1891

Cyathocrinites iowensis (Owen and Shumard, 1850)

See: *Cyathocrinus iowensis* Owen and Shumard, 1850

Cyathocrinites multibrachiatus (Lyon and Casseday, 1859)

Referred specimens: UC 8905A–E, five specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 80–81, 82.

Referred specimen: UC 15234.

Van Sant *in* Van Sant and Lane, 1964, pp. 80–81, 82.

Referred specimen: UC 51833 [not UC 51831].

Van Sant *in* Van Sant and Lane, 1964, pp. 80–81, pl. 3, fig. 10.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Referred specimen: UC 19197.

Van Sant *in* Van Sant and Lane, 1964, pl. 2, fig. 3.

Mississippian, Keokuk.

Indian Creek, Crawfordsville, Indiana; H. E. Wilson, donor.

Cyathocrinites opimus (S. A. Miller and Gurley, 1890)

Referred specimen: UC 8897A and B, two specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 81–82.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Referred specimen: UC 51822.

Van Sant *in* Van Sant and Lane, 1964, pp. 81–82.

Mississippian, Keokuk Group.

Hall locality 751, "Crawfordsville, Indiana. Mohr Collection";
Hall Collection.

See also: *Cyathocrinus opimus* S. A. Miller and Gurley, 1890

Cyathocrinites ovalis (Rowley, 1904)

See: *Cyathocrinus? ovalis* Rowley, 1904

Cyathocrinites poterium (Meek and Worthen, 1870)

Referred specimen: UC 8941.

Van Sant *in* Van Sant and Lane, 1964, p. 82, pl. 2, fig. 4.
Mississippian, Keokuk.
Crawfordsville, Indiana; Gurley Collection.

Cyathocrinites sampsoni (S. A. Miller, 1891)

See: *Cyathocrinus sampsoni* S. A. Miller, 1891

Cyathocrinites signatus (S. A. Miller and Gurley, 1894)

See: *Cyathocrinus signatus* S. A. Miller and Gurley, 1894

Cyathocrinus andersoni S. A. Miller and Gurley, 1894

Holotype: UC 6178.

S. A. Miller and Gurley, 1894a, pp. 30–31, pl. 3, figs. 2, 3.

= *Cyathocrinites andersoni* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 388.

Mississippian, Keokuk Group.

Keokuk, Iowa; Gurley Collection.

Cyathocrinus boonvillensis S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6145.

Referred specimens: UC 6145, three specimens.

S. A. Miller, 1891b, p. 29, pl. 4, figs. 3, 4.

S. A. Miller, 1897, p. 741, text fig. 1329.

= *Cyathocrinites boonvillensis* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 389.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Cyathocrinus bulbosus Hall, 1862

Holotype, not designated, to be selected from UC 13134, American
Museum of Natural History 2977/1 and 4040/1.

Referred specimen: UC 13134.

Hall, 1862, p. 123, pl. 1, fig. 22.

= *Arachnocrinus bulbosus* (Hall, 1862)

Meek and Worthen, 1866, p. 177.

Goldring, 1923, pp. 353–355, pl. 45, fig. 2.

Devonian, Upper Helderberg Group [Hall]; Onondaga Limestone
[Goldring].

Livingston County, New York; Hall Collection.

Cyathocrinus cora Hall, 1868

Referred specimen: UC 4414.

S. Weller, 1900, pp. 62–63, pl. 14, fig. 6.

= *Crotalocrinus cora* (Hall, 1868)

S. Weller, 1902, pp. 532–534.

= *Crotalocrinites cora* (Hall, 1868)

Bassler and Moodey, 1943, p. 378.

Referred specimens: UC 6581, two specimens.

S. Weller, 1900, pp. 62–63, pl. 14, figs. 7, 8.

= *Crotalocrinus cora* (Hall, 1868)

S. Weller, 1902, pp. 532–534, pl. 3, fig. 2.

= *Crotalocrinites cora* (Hall, 1868)

Bassler and Moodey, 1943, p. 378.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois.

Cyathocrinus cornutus Owen and Shumard, 1850

Holotype, UC 6364.

Owen and Shumard, 1850, pp. 63–64, pl. 7, figs. 8a, 8b.

Owen and Shumard, 1852b, p. 591, tbl. 5A, figs. 8a, 8b.

= *Barycrinus cornutus* (Owen and Shumard, 1850)

Meek and Worthen, 1868, p. 340.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Cyathocrinus gurleyi S. A. Miller, 1891

Holotype: UC 6253.

S. A. Miller, 1891a, pp. 47–48, pl. 9, fig. 4.

S. A. Miller, 1892a, pp. 657–658.

S. A. Miller, 1892c, p. 676, text fig. 1219.

= *Cyathocrinites gurleyi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 391.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Cyathocrinus iowensis Owen and Shumard, 1850

Holotype: UC 6365.

Owen and Shumard, 1850, p. 63, pl. 7, figs. 11a-11c.

Owen and Shumard, 1852b, p. 591, tbl. 5A, figs. 11a-11c.

= *Cyathocrinites iowensis* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 392.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Cyathocrinus labyrinthicus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6155.

Referred specimens: UC 6155, four specimens.

S. A. Miller, 1891a, pp. 49-50, pl. 12, figs. 11-14.

S. A. Miller, 1892a, pp. 659-660, pl. 12, figs. 11-14.

= *Poteriocrinus labyrinthicus* (S. A. Miller, 1891)

S. A. Miller and Gurley, 1896b, p. 34.

S. A. Miller, 1897, p. 751, text. fig. 1387.

= *Poteriocrinites labyrinthicus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 641.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Cyathocrinus opimus S. A. Miller and Gurley, 1890

Holotype: UC 6172.

S. A. Miller and Gurley, 1890b, pp. 28-29, pl. 5, fig. 5.

S. A. Miller and Gurley, 1891, p. 348, pl. 5, fig. 5.

= *Cyathocrinites opimus* (S. A. Miller and Gurley, 1890)

Van Sant *in* Van Sant and Lane, 1964, pp. 81-82, pl. 2, fig. 1.

Mississippian, Keokuk Group.

Crawfordsville [Miller and Gurley]; Indian Creek near Crawfordsville, [catalogue] Indiana; Gurley Collection.

Cyathocrinus? ovalis Rowley, 1904

Referred specimens: UC 14794, two specimens.

Rowley, 1904, p. 271, pl. 16, fig. 14.

= *Cyathocrinites oralis* (Rowley, 1904)

Bassler and Moodey, 1943, p. 394.

Silurian, Niagaran.

Six miles west of St. Marys Ste. Genevieve County, Missouri;
H. E. Wilson, donor.

Remarks: UC 14794 contains two of the four original specimens used by Rowley, 1904. One of the specimens is definitely figured pl. 16, fig. 14; the other specimen may be figured pl. 16, fig. 13 or 15.

Cyathocrinus (Poteriocrinus) aemulus Hall, 1879

Holotype: UC 11985.

Hall, 1879a, p. 10.

Hall, 1882a, p. 66.

Hall, 1882b, p. 266.

= *Homocrinus?* *aemulus* (Hall, 1879)

Wachsmuth and Springer, 1886, p. 158.

Devonian, Niagaran.

Hall locality 196, "Waldron, Indiana. Collection purchase of Mr. J. T. Duty (Doty?), 1878.;" Hall Collection.

Cyathocrinus sampsoni S. A. Miller, 1891

Holotype: UC 6991.

S. A. Miller, 1891b, pp. 30–31, pl. 4, figs. 9, 10.

= *Cyathocrinites sampsoni* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 396.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Cyathocrinus signatus S. A. Miller and Gurley, 1894

Holotype: UC 6273.

S. A. Miller and Gurley, 1894a, p. 32, pl. 6, fig. 10.

= *Cyathocrinites signatus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 396.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Cyathocrinus tumidulus S. A. Miller and Gurley, 1894

Holotype: UC 6188.

S. A. Miller and Gurley, 1894a, pp. 31–32, pl. 3, fig. 7.

= *Decadocrinus tumidulus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 408.

Van Sant *in* Van Sant and Lane, 1964, p. 92, pl. 4, fig. 16.

Mississippian, Keokuk Group.

Indian Creek, Indiana; Gurley Collection.

Cyathocrinus vanhornei S. A. Miller, 1881

Holotype: UC 7987.

S. A. Miller, 1881b, p. 261, pl. 6, fig. 3.

= *Crotalocrinus? vanhornei* (S. A. Miller, 1881)

S. Weller, 1902, pp. 533–534.

= *Crotalocrinites vanhornei* (S. A. Miller, 1881)

Bassler and Moodey, 1943, p. 379.

Silurian, Niagara Group.

Bridgeport (now Chicago), Illinois; Van Horne Collection.

Cyathocrinus waldronensis S. A. Miller and Dyer, 1878

Referred specimen: UC 6126, specimen broken.

S. A. Miller and Gurley, 1896a, p. 49, pl. 13, figs. 19, 20.

S. A. Miller, 1897, p. 741, text fig. 1330.

= *Dimerocrinus waldronensis* (S. A. Miller and Dyer, 1878)

Wachsmuth and Springer, 1885, p. 323.

Bassler, 1915, p. 440.

= *Macrostylocrinus waldronensis* (S. A. Miller and Dyer, 1878)

Wachsmuth and Springer, 1886, p. 149.

= *Dimerocrinites waldronensis* (S. A. Miller and Dyer, 1878)

Bassler and Moodey, 1943, p. 426.

Silurian, Niagara Group.

Near Hartsville, Indiana; Gurley Collection.

Remarks: Wachsmuth and Springer, 1897, p. 192, state that *Cyathocrinus waldronensis* may be a young *Thysanocrinus inornatus* (Hall, 1863).

Cylicocrinus (?) indianensis S. A. Miller and Gurley, 1895

Holotype: UC 6033.

S. A. Miller and Gurley, 1895a, pp. 31–32, pl. 14, figs. 20, 22.

S. A. Miller, 1897, p. 741, text fig. 1331.

Bassler and Moodey, 1943, p. 401.

= *Barrandeocrinus? indianensis* (S. A. Miller and Gurley, 1895)

Bassler, 1915, p. 101.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Cyphocrinus chicagoensis S. Weller, 1900

Holotype: UC 6599.

S. Weller, 1900, pp. 76–78, pl. 1, figs. 3, 4.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois; H. H. Hindshaw, donor.

Cyphocrinus gorbyi S. A. Miller, 1892

Holotype: UC 6024.

S. A. Miller, 1892b, pp. 51–52, pl. 7, figs. 14–16.

S. A. Miller, 1892c, pp. 676–677, text figs. 1221, 1222.

S. A. Miller, 1894, pp. 305–306, pl. 7, figs. 14–16.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Cyrtocrinus sculptus (Hall, 1858)See: *Actinocrinus sculptus* Hall, 1858**Cytidocrinus sculptus** (Hall, 1858)See: *Actinocrinus sculptus* Hall, 1858**Dasciocrinus cachensis** (S. Weller, 1920)See: *Pachylocrinus cachensis* S. Weller, 1920**Dasciocrinus spinifer** (Wetherby, 1880)See: *Scaphiocrinus spinifer* Wetherby, 1880**Dasciocrinus spinosus** (Owen and Shumard, 1852)See: *Poteriocrinus spinosus* Owen and Shumard, 1852**Decadocrinus albersi** (S. A. Miller and Gurley, 1896)See: *Poteriocrinus albersi* S. A. Miller and Gurley, 1896**Decadocrinus bellus** (S. A. Miller and Gurley, 1890)See: *Scaphiocrinus bellus* S. A. Miller and Gurley, 1890**Decadocrinus depressus** (Meek and Worthen, 1870)

Referred specimen: UC 8901.

Van Sant in Van Sant and Lane, 1964, pp. 91–92, pl. 4, fig. 14.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Decadocrinus milleri (Wetherby, 1881)

See: *Poteriocrinus milleri* Wetherby, 1881

Decadocrinus repertus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus repertus* S. A. Miller and Gurley, 1890

Decadocrinus tumidulus (S. A. Miller and Gurley, 1894)

See: *Cyathocrinus tumidulus* S. A. Miller and Gurley, 1894

Delocrinus dubius Mather, 1915

Holotype: original designation, UC 16180 [not UC 16661].

Mather, 1915, pp. 105–106, text fig. 2, pl. 3, figs. 7–7b.

= *Paradelocrinus dubius* (Mather, 1915)

Moore and Plummer, 1938, pp. 297–302, text fig. 34a.

Moore and Laudon in Shimer and Shrock, 1944, p. 173, pl. 65, figs. 21a, 21b.

Pennsylvanian, Brentwood Limestone.

Mather, 1915 station 134, near Fayetteville, Arkansas; Mather, donor.

See also: *Delocrinus? pendens* Moore and Plummer, 1938

Delocrinus excavatus S. Weller, 1909

Holotype: original designation, UC 13366.

S. Weller, 1909a, pp. 628–629, pl. 1, figs. 16, 17.

= *Perimestocrinus excavatus* (S. Weller, 1909)

Moore and Plummer, 1940, pp. 210–213, text fig. 44, pl. 10, figs. 7a, 7b.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Delocrinus hemisphericus (Shumard, 1858)

Referred specimens: UC 6234A C, three specimens.

S. A. Miller and Gurley, 1890a, pp. 12–13, pl. 2, figs. 8–10.

S. A. Miller and Gurley, 1890b, pp. 12–13, pl. 2, figs. 8–10.

S. A. Miller and Gurley, 1891, pp. 335–336, pl. 2, figs. 8–10.

= UC 6234A holotype of *Delocrinus subhemisphericus* Moore and Plummer, 1940 [specimen figured pl. 2, figs. 8–9; UC 6234B–C “paratypes”].

Moore and Plummer, 1940, pp. 258–261, text fig. 57b, pl. 11, fig. 4.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 173, pl. 65, figs. 7a–7d.

Pennsylvanian.

Kansas City, Missouri; Gurley Collection.

Referred specimen: UC 6162.

S. A. Miller and Gurley, 1890b, p. 54, pl. 10, fig. 5.

S. A. Miller and Gurley, 1891, p. 370, pl. 10, fig. 5.

= *Delocrinus subhemisphericus* Moore and Plummer, 1940

Moore and Plummer, 1940, pp. 252–253.

Upper Coal Measures [Pennsylvanian, Missouri Series, Lane Shale; Bassler and Moodey, 1943, p. 412].

Kansas City, Missouri; Gurley Collection.

***Delocrinus major* S. Weller, 1909**

Holotype: original designation, UC 13364.

S. Weller, 1909a, p. 627, pl. 1, figs. 6, 7.

Moore and Plummer, 1940, pp. 292–294, text fig. 60, pl. 15, fig. 10.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

***Delocrinus missouriensis* S. A. Miller and Gurley, 1890**

Holotype, not designated, to be selected from UC 6233.

Referred specimens: UC 6233, two specimens.

S. A. Miller and Gurley, 1890a, p. 14, pl. 2, figs. 11–13.

S. A. Miller and Gurley, 1890b, p. 14, pl. 2, figs. 11–13.

S. A. Miller and Gurley, 1891, p. 336, pl. 2, figs. 11–13.

Moore and Plummer, 1940, p. 257, text fig. 57a.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 173, pl. 65, fig. 14.

Upper Coal Measures [Pennsylvania, Missouri Series?, Argentine Limestone; Bassler and Moodey, 1943, p. 411.].

Kansas City, Missouri; Gurley Collection.

Delocrinus? pendens Moore and Plummer, 1938

See: Crinoid plate [?*Delocrinus dubius* Mather, 1915]

Delocrinus pentanodus Mather, 1915

Holotype: original designation, UC 16181.

Mather, 1915, pp. 106–107, text fig. 3, pl. 3, figs. 8–8b.

= *Utharocrinus pentanodus* (Mather, 1915)

Moore and Plummer, 1938, pp. 286–288, text figs. 31a–31f.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 163, pl. 64, fig. 18a, 18b.

Pennsylvanian, Morrow Formation.

Mather, 1915 station 301, near Ft. Gibson, Oklahoma; Mather, donor.

Delocrinus subhemisphericus Moore and Plummer, 1940

See: *Delocrinus hemisphericus* (Shumard, 1858)

Delocrinus texanus S. Weller, 1909

Holotype: original designation, UC 13365.

S. Weller, 1909a, pp. 627–628, pl. 1, figs. 12, 13.

= *Endelocrinus texanus* (S. Weller, 1909)

Moore and Plummer, 1940, pp. 310–312, text fig. 63E, pl. 14, figs. 12a, 12b.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 173, pl. 65, figs. 10a, 10b.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Delocrinus sp.

Referred specimen: UC 16182.

Mather, 1915, p. 108, pl. 3, figs. 1–1b.

Pennsylvanian, Morrow Formation.

Mather, 1915 station 301, near Ft. Gibson, Oklahoma; Mather, donor.

Referred specimen: UC 48267.

Easton, 1942, pl. 2, fig. 15.

Mississippian, Pitkin Formation.

Arkansas; Easton Collection.

Dendrocrinus erraticus S. A. Miller, 1881

Holotype: UC 8895.

S. A. Miller, 1881d, pp. 316–317, pl. 8, figs. 1, 1a.

Ordovician, Hudson River Group in drift.

Near Cincinnati, Ohio (possibly drifted from Hamilton or Warren County).

Dendrocrinus kayi Slocom, 1924

Holotype: original designation, UC 54083.

Slocom and Foerste, 1924, pp. 335–337, pl. 29, figs. 1–3.

Ordovician, Upper Maquoketa Shale.

Patterson's Springs near Brainard, Iowa; gift of A. G. Becker.

Dendrocrinus navigiolum S. A. Miller, 1880

Holotype: UC 8781.

S. A. Miller, 1880, pp. 235–236, pl. 7, figs. 6, 6a [not 5, 5a].

Ordovician, Utica Shale.

Within six feet of low-water mark of the Ohio River, in the first ward of Cincinnati, Ohio; Faber Collection.

Diabolocrinus asperatus (S. A. Miller and Gurley, 1894)

See: *Archaeocrinus asperatus* S. A. Miller and Gurley, 1894

Diabolocrinus vesperalis (White, 1880)

See: *Lyriocrinus sculptilis* S. A. Miller, 1882

Dichocrinus blairi S. A. Miller, 1891

Holotype: UC 6144.

S. A. Miller, 1891a, p. 36, pl. 8, fig. 12.

S. A. Miller, 1892a, p. 646, pl. 8, fig. 12.

S. A. Miller, 1897, p. 741, text fig. 1332.

Wachsmuth and Springer, 1897, pp. 778–779, pl. 75, fig. 3.
 Mississippian, Keokuk Group.
 Boonville, Missouri; Gurley Collection.

Dichocrinus cinctus S. A. Miller and Gurley, 1890

Holotype, not designated, to be selected from UC 6196.

Referred specimens: UC 6196, four specimens.

S. A. Miller and Gurley, 1890a, pp. 21–22, pl. 4, figs. 10–12.

S. A. Miller and Gurley, 1890b, pp. 21–22, pl. 4, figs. 10–12.

S. A. Miller and Gurley, 1891, pp. 342–343, pl. 4, figs. 10–12.

S. A. Miller, 1892c, p. 677, text fig. 1224.

Laudon and Beane, 1937, p. 251.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Dichocrinus ficus Casseday and Lyon, 1862

Referred specimen: UC 8942.

Worthen and Meek, 1875, p. 515, pl. 29, fig. 7.

= ?*Dichocrinus pendens* Wachsmuth and Springer, 1897

Wachsmuth and Springer, 1897, pp. 774–775.

Mississippian, Keokuk.

Indian Creek near Crawfordsville, Indiana; Gurley Collection.

Dichocrinus girtyi S. Weller, 1920

Referred specimen: UC 25368.

S. Weller, 1920, pp. 334–336, pl. 5, fig. 9.

Mississippian, Shetlerville Formation.

S. Weller locality W327, Fairview Bluff, Hardin County, Illinois;
 collected by S. Weller, 1911.

Remarks: UC 25368 is one of the “cotypes.”

Referred specimens: UC 25369, two specimens.

S. Weller, 1920, pp. 334–336, pl. 5, figs. 10–12.

Mississippian, Paint Creek Formation.

S. Weller locality W567, 1¼ miles northwest of Floraville, Illinois;
 collected by S. Weller, 1911.

Dichocrinus hambergi [sic] S. A. Miller, 1891

Referred specimens: UC 6246, three specimens.

S. A. Miller, 1891a, p. 36, pl. 6, fig. 38.

S. A. Miller, 1892a, p. 646, pl. 6, fig. 38.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Dichocrinus hamburgi S. A. Miller, 1891

Holotype: original designation, UC 6246A.

S. A. Miller, 1891b, pp. 26–27, pl. 3, figs. 9, 10.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Dichocrinus ovatus Owen and Shumard, 1850

Holotype: UC 6361.

Owen and Shumard, 1850, pp. 61–62, pl. 7, figs. 9a, 9b.

Owen and Shumard, 1852b, p. 590, tbl. 5A, figs. 9a, 9b.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Dichocrinus parvulus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6247.

Referred specimens: UC 6247, two specimens.

S. A. Miller, 1891b, pp. 27–28, pl. 4, figs. 7, 8.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

?**Dichocrinus pendens** Wachsmuth and Springer, 1897

See: *Dichocrinus ficus* Casseday and Lyon, 1862

Dichocrinus recurvibrachiatus Van Sant, 1964

Holotype: original designation, UC 51832.

Van Sant *in* Van Sant and Lane, 1964, pp. 121–122, pl. 8, fig. 16.

Mississippian, Borden beds.

Crawfordsville, Indiana.

Dichocrinus striatus Owen and Shumard, 1850

Holotype: UC 6368.

Owen and Shumard, 1850, pp. 62–63, pl. 7, figs. 10a, 10b.

Owen and Shumard, 1852b, p. 590, tbl. 5A, figs. 10a, 10b.

Mississippian, Burlington Limestone.
Burlington, Iowa; Gurley Collection.

Dichocrinus ulrichi S. A. Miller and Gurley, 1890

Holotype, not designated, to be selected from UC 6202.

Referred specimens: UC 6202, two specimens.

S. A. Miller and Gurley, 1890b, pp. 48–49, pl. 8, figs. 12, 13.

S. A. Miller and Gurley, 1891, p. 365, pl. 8, figs. 12, 13.

Mississippian, Keokuk Limestone.

Bono, Indiana; Gurley Collection.

Dimerocrinites campanulatus (Slocum, 1908)

See: *Thysanocrinus campanulatus* Slocum, 1908

Dimerocrinites inornatus (Hall, 1863)

See: *Thysanocrinus inornatus* (Hall, 1863)

Dimerocrinites pentangularis (Hall, 1867)

See: *Thysanocrinus pentangularis* (Hall, 1867)

Dimerocrinites waldronensis (S. A. Miller and Dyer, 1878)

See: *Cyathocrinus waldronensis* S. A. Miller and Dyer, 1878

Dimerocrinus campanulatus (Slocum, 1908)

See: *Thysanocrinus campanulatus* Slocum, 1908

Dimerocrinus inornatus (Hall, 1863)

See: *Thysanocrinus inornatus* (Hall, 1863)

Dimerocrinus pentangularis (Hall, 1867)

See: *Thysanocrinus pentangularis* (Hall, 1867)

Dimerocrinus waldronensis (S. A. Miller and Dyer, 1878)

See: *Cyathocrinus waldronensis* S. A. Miller and Dyer, 1878

Dizygocrinus biturbinatus (Hall, 1858)

See: *Batocrinus lyonanus* S. A. Miller and Gurley, 1894

Dizygocrinus crawfordsvillensis (S. A. Miller, 1891)

See: *Batocrinus crawfordsvillensis* S. A. Miller, 1891

Dizygocrinus decoris (S. A. Miller, 1891)

See: *Batocrinus decoris* S. A. Miller, 1891

Dizygocrinus euconus var. **abscissus** (Rowley and Hare, 1891)

See: *Batocrinus venustus* S. A. Miller, 1891

Dizygocrinus facetus (S. A. Miller and Gurley, 1890)

See: *Batocrinus facetus* S. A. Miller and Gurley, 1890

Dizygocrinus gorbyi (S. A. Miller, 1891)

See: *Batocrinus gorbyi* S. A. Miller, 1891

Dizygocrinus gurleyi (S. A. Miller, 1891)

See: *Batocrinus gurleyi* S. A. Miller, 1891

Dizygocrinus indianensis (Lyon and Casseday, 1860)

Referred specimen: UC 19198.

Van Sant *in* Van Sant and Lane, 1964, pp. 112–114, pl. 8, figs. 5, 8.

Mississippian, Keokuk.

Indian Creek, Crawfordsville, Indiana; H. E. Wilson, donor.

Dizygocrinus originarius var. **adultus** (Wachsmuth and Springer, 1881)

See: *Batocrinus boonvillensis* S. A. Miller, 1891

Batocrinus mediocris S. A. Miller, 1891

Dizygocrinus persculptus Ulrich, 1917

Referred specimen: UC 25362.

S. Weller, 1920, pp. 327–328, pl. 5, fig. 15.

Mississippian, Fredonia Limestone.

Cedar Bluff quarry near Princeton, Kentucky; collected by S. Weller, 1915.

Referred specimen: UC 25363.

S. Weller, 1920, pp. 327–328, pl. 5, figs. 16, 17.

Mississippian, Fredonia Limestone.

S. Weller locality W15-15, Rosiclare, Illinois; collected by S. Weller, 1915.

Dizygocrinus sacculus (S. A. Miller and Gurley, 1894)

See: *Batocrinus sacculus* S. A. Miller and Gurley, 1894

Dizygocrinus superstes Ulrich, 1917

Referred specimen: UC 25364.

S. Weller, 1920, pp. 329-330, pl. 5, figs. 13, 14.

Mississippian, Fredonia Oolite of the Ste. Genevieve Limestone.

Charles Stone Co. Quarry, Joppa Junction, Illinois; collected by S. Weller, 1915.

Dizygocrinus unionensis Wachsmuth and Springer, 1897

See: *Batocrinus pulchellus* S. A. Miller, 1891

Dizygocrinus whitei (Wachsmuth and Springer, 1881)

See: *Batocrinus spergeuensis* S. A. Miller, 1891

Dolatocrinus amplus S. A. Miller and Gurley, 1894

Holotype: UC 6097.

S. A. Miller and Gurley, 1894b, pp. 45-46, pl. 4, figs. 6-8.

Springer, 1921, pp. 47-48, pl. 11, figs. 11, 12.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus peculiaris* S. A. Miller and Gurley, 1896

Dolatocrinus vasculum S. A. Miller and Gurley, 1895

Dolatocrinus aplatus S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6084.

Referred specimens: UC 6084, four specimens.

S. A. Miller and Gurley, 1896a, pp. 48-49, pl. 3, figs. 16-18.

S. A. Miller and Gurley, 1896b, p. 49, pl. 3, figs. 13-15.

= *Dolatocrinus stellifer* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 44-46.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus approximatus S. A. Miller and Gurley, 1894

Holotype: UC 6073.

S. A. Miller and Gurley, 1894b, pp. 25–27, pl. 3, figs. 4–6.

= *Dolatocrinus lacus* Lyon, 1857

Springer, 1921, pp. 28–29.

Devonian, Hamilton Group [published]; Upper Helderberg [catalogue].

Louisville, Kentucky; Gurley Collection.

Dolatocrinus argutus S. A. Miller and Gurley, 1896

Holotype: UC 6079.

S. A. Miller and Gurley, 1896a, pp. 41–42, pl. 3, figs. 4–6.

Springer, 1921, p. 44, pl. 11, figs. 4, 5.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 201, pl. 74, fig. 19.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus arrosus S. A. Miller and Gurley, 1896

Holotype: UC 6105.

S. A. Miller and Gurley, 1896b, pp. 52–54, pl. 3, figs. 22–24.

= *Dolatocrinus bellarugosus* S. A. Miller and Gurley, 1896

Springer, 1921, pp. 50–51.

Bassler and Moodey, 1943, p. 433.

= *Dolatocrinus venustus* S. A. Miller and Gurley, 1894

Springer, 1921, pl. 15, fig. 8.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus asper S. A. Miller and Gurley, 1896

Holotype: UC 6078.

S. A. Miller and Gurley, 1896b, pp. 47–49, pl. 3, figs. 10–12.

S. A. Miller, 1897, p. 742, text fig. 1333.

= *Dolatocrinus lineolatus* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 55–56.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus asperatus S. A. Miller and Gurley, 1894

See: *Dolatocrinus ornatus* var. *asperatus* S. A. Miller and Gurley, 1894

Dolatocrinus aspratilis S. A. Miller and Gurley, 1896

Holotype: UC 6102.

S. A. Miller and Gurley, 1896b, pp. 49-51, pl. 3, figs. 16-18.

S. A. Miller, 1897, p. 742, text fig. 1334.

= *Dolatocrinus bulbaceus* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 42-43, pl. 11, fig. 2.

Moore and Laudon in Shimer and Shrock, 1944, p. 201, pl. 74, fig. 18.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus aureatus S. A. Miller and Gurley, 1894

Holotype: UC 6082, specimen broken.

S. A. Miller and Gurley, 1894b, pp. 24-25, pl. 3, figs. 1-3.

= *Dolatocrinus venustus* S. A. Miller and Gurley, 1894

Springer, 1921, p. 50, pl. 13, fig. 5.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus basilicus S. A. Miller and Gurley, 1896

Holotype: UC 6090.

S. A. Miller and Gurley, 1896b, pp. 43-44, pl. 3, figs. 1-3.

S. A. Miller, 1897, p. 742, text fig. 1335.

= *Dolatocrinus bellulus* S. A. Miller and Gurley, 1895

Springer, 1921, p. 56, pl. 15, figs. 4-6.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus bellarugosus S. A. Miller and Gurley, 1896

Holotype: UC 6087.

S. A. Miller and Gurley, 1896a, pp. 43-44, pl. 3, figs. 7-9.

Springer, 1921, pp. 50-51, pl. 13, figs. 6, 7.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus arrosus* S. A. Miller and Gurley, 1896
Dolatocrinus caelatus S. A. Miller and Gurley, 1896

Dolatocrinus bellulus S. A. Miller and Gurley, 1895

Referred specimen: UC 29852.

Springer, 1921, p. 56, pl. 15, figs. 1-3.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 201, pl. 74,
figs. 21a, 21b.

Devonian, Hamilton, Sellersburg Limestone.

Charlestown, Indiana; Gurley Collection.

Remarks: The holotype is missing. UC 29852 was labeled by
S. A. Miller as a typical specimen of this species.

See also: *Dolatocrinus basilicus* S. A. Miller and Gurley, 1896

Dolatocrinus bulbaceus S. A. Miller and Gurley, 1894

Holotype: designated by Springer, 1921, pl. 11, UC 6083A,
specimen broken.

S. A. Miller and Gurley, 1894b, pp. 22-23, pl. 2, figs. 13-15.

Springer, 1921, pp. 42-43, pl. 11, fig. 1.

Referred specimens: UC 6083B and C, two specimens.

S. A. Miller and Gurley, 1894b, pp. 22-23.

Springer, 1921, pp. 42-43.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus aspratilis* S. A. Miller and Gurley, 1896

Dolatocrinus caelatus S. A. Miller and Gurley, 1896

Holotype: UC 6093.

S. A. Miller and Gurley, 1896a, pp. 46-47, pl. 3, figs. 13-15.

= *Dolatocrinus bellarugosus* S. A. Miller and Gurley, 1896

Springer, 1921, pp. 50-51, pl. 13, figs. 8-10.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus charlestownensis S. A. Miller and Gurley, 1896

Holotype: UC 6077.

S. A. Miller and Gurley, 1896a, pp. 44-46, pl. 3, figs. 10-12.

S. A. Miller, 1897, p. 742, text fig. 1336.

= *Dolatocrinus lineolatus* S. A. Miller and Gurley, 1894
Springer, 1921, pp. 55–56.
Devonian, Hamilton Group.
Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus cistula S. A. Miller and Gurley, 1896
Holotype: UC 6098.
S. A. Miller and Gurley, 1896b, pp. 46–47, pl. 3, figs. 7–9.
= *Dolatocrinus lineolatus* S. A. Miller and Gurley, 1894
Springer, 1921, pp. 55–56, pl. 13, figs. 16, 17.
Devonian, Hamilton Group.
Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus corporosus S. A. Miller and Gurley, 1895
Holotype: UC 6106.
S. A. Miller and Gurley, 1895a, pp. 50–51, pl. 5, figs. 1–3.
S. A. Miller, 1897, p. 742, text figs. 1337, 1338.
Springer, 1921, p. 54, pl. 14, figs. 1, 2.
Devonian, Hamilton Group.
Charlestown, Indiana; Gurley Collection.

Dolatocrinus dispar S. A. Miller and Gurley, 1896
Holotype: UC 6092.
S. A. Miller and Gurley, 1896b, pp. 40–41, pl. 2, figs. 27–29.
= *Dolatocrinus exornatus* S. A. Miller and Gurley, 1895
Springer, 1921, p. 51.
Devonian, Hamilton Group.
Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus dissimilaris S. A. Miller and Gurley, 1896
Holotype: UC 6086.
S. A. Miller and Gurley, 1896b, pp. 54–55, pl. 3, figs. 25–27.
S. A. Miller, 1897, p. 743, text fig. 1339.
= *Dolatocrinus stellifer* S. A. Miller and Gurley, 1894
Springer, 1921, pp. 44–46.
Devonian, Hamilton Group.
Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus exornatus S. A. Miller and Gurley, 1895

See: *Dolatocrinus dispar* S. A. Miller and Gurley, 1896

Dolatocrinus grandis S. A. Miller and Gurley, 1894

Holotype: UC 6069.

S. A. Miller and Gurley, 1894b, pp. 14–16, pl. 2, figs. 1–3.

Springer, 1921, pp. 32–34.

Devonian, Hamilton Group [published]; Upper Helderberg [catalogue].

Louisville, Kentucky [published]; Falls of the Ohio [catalogue].

Remarks: Springer, 1921, p. 34, “Mr. Greene in a letter to me of November 9, 1903, in reply to an inquiry touching the horizon . . . informed me that he furnished Mr. Gurley the types of *D. grandis* and *D. spinosus*, and that both came from the ‘Upper Helderberg’ at Louisville.”

See also: *Dolatocrinus marshi* Lyon, 1869

Dolatocrinus greenei S. A. Miller and Gurley, 1894

Holotype: UC 6095.

S. A. Miller and Gurley, 1894b, pp. 28–31, pl. 3, figs. 10–12.

Springer, 1921, p. 55, pl. 14, figs. 7–9.

Devonian, Upper Helderberg.

Louisville, Kentucky; Gurley Collection.

Dolatocrinus hammelli S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6100.

Referred specimens: UC 6100, three specimens.

S. A. Miller and Gurley, 1895a, pp. 52–53, pl. 5, figs. 4–6.

= *Dolatocrinus stellifer* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 44–46.

Devonian, Hamilton Group.

Charlestown, Indiana; Gurley Collection.

Dolatocrinus indianensis S. A. Miller and Gurley, 1896

Holotype: UC 6099.

S. A. Miller and Gurley, 1896a, pp. 40–41, pl. 3, figs. 1–3.

Springer, 1921, pp. 54–55, pl. 14, figs. 3, 4.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus preciosus* S. A. Miller and Gurley, 1896

Dolatocrinus lacus Lyon, 1857

Referred specimen: UC 6075.

S. A. Miller and Gurley, 1894b, pp. 9-10, pl. 1, figs. 6, 7.

Springer, 1921, p. 28.

Devonian, Upper Helderberg.

Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus approximatus* S. A. Miller and Gurley, 1894

Dolatocrinus laguncula S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6089.

Referred specimens: UC 6089, three specimens.

S. A. Miller and Gurley, 1896b, pp. 51-52, pl. 3, figs. 19-21.

= *Dolatocrinus stellifer* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 44-46.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus lineolatus S. A. Miller and Gurley, 1894

Holotype: UC 6080.

S. A. Miller and Gurley, 1894b, pp. 27-28, pl. 3, figs. 7-9.

Springer, 1921, pp. 55-56, pl. 13, figs. 13-15.

Devonian, Hamilton Group.

Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus asper* S. A. Miller and Gurley, 1896

Dolatocrinus charlestownensis S. A. Miller and Gurley,
1896

Dolatocrinus cistula S. A. Miller and Gurley, 1896

Dolatocrinus sacculus S. A. Miller and Gurley, 1895

Dolatocrinus salebrosus S. A. Miller and Gurley, 1895

Dolatocrinus lyoni S. A. Miller and Gurley, 1896

Holotype: UC 6104.

S. A. Miller and Gurley, 1896b, pp. 44-46, pl. 3, figs. 4-6.

= *Dolatocrinus venustus* S. A. Miller and Gurley, 1894

Springer, 1921, p. 50.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus magnificus S. A. Miller and Gurley, 1894

Holotype: UC 6076.

S. A. Miller and Gurley, 1894b, pp. 5–7, pl. 1, figs. 1–3.

Springer, 1921, p. 54.

Devonian, Upper Helderberg.

Falls of the Ohio; Gurley Collection.

Dolatocrinus marshi Lyon, 1869

Referred specimen: UC 6101.

S. A. Miller and Gurley, 1894b, pp. 11–14, pl. 1, fig. 8.

= *Dolatocrinus grandis* S. A. Miller and Gurley, 1894

Springer, 1921, p. 31.

Devonian, Upper Helderberg Group.

Falls of the Ohio; Gurley Collection.

Dolatocrinus neglectus S. A. Miller and Gurley, 1897

Holotype: UC 6091.

S. A. Miller and Gurley, 1897, pp. 37–38, pl. 2, figs. 27–29.

= *Dolatocrinus stellifer* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 44–46, pl. 11, figs. 7, 8.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus nodosus S. A. Miller and Gurley, 1895

Holotype: UC 6081.

S. A. Miller and Gurley, 1895b, pp. 56–58, pl. 3, figs. 1–3.

Springer, 1921, p. 56, pl. 15, figs. 9–11.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus ornatus Meek, 1871

Referred specimen: UC 8786.

S. A. Miller and Gurley, 1894b, pp. 18–20, pl. 2, figs. 7–9.

Springer, 1921, pp. 29–30.

Devonian, Upper Helderberg Group [published]; Corniferous
[catalogue].

Columbus, Ohio; Faber Collection.

Dolotocrinus ornatus var. **asperatus** S. A. Miller and Gurley, 1894

Holotype: UC 6071.

S. A. Miller and Gurley, 1894b, pp. 16-17.

= *Dolotocrinus asperatus* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 41-42, pl. 6, fig. 5.

Devonian, Hamilton [published]; Upper Helderberg [catalogue].

Near Charlestown, Indiana [published]; Louisville, Kentucky [catalogue].

Dolotocrinus peculiaris S. A. Miller and Gurley, 1896

Holotype: UC 6085.

S. A. Miller and Gurley, 1896b, pp. 55-57, pl. 3, figs. 28-30.

= *Dolotocrinus amplus* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 47-48, pl. 11, fig. 15.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolotocrinus preciosus S. A. Miller and Gurley, 1896

Holotype: UC 6072.

S. A. Miller and Gurley, 1896b, pp. 41-42, pl. 2, figs. 30-32.

= *Dolotocrinus indianensis* S. A. Miller and Gurley, 1896

Springer, 1921, pp. 54-55, pl. 14, figs. 5, 6.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolotocrinus sacculus S. A. Miller and Gurley, 1895

Holotype: UC 6070.

S. A. Miller and Gurley, 1895b, pp. 58-59, pl. 3, figs. 11, 12.

= *Dolotocrinus lineolatus* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 55-56, pl. 14, figs. 10, 11.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolotocrinus salebrosus S. A. Miller and Gurley, 1895

Holotype: UC 6103.

S. A. Miller and Gurley, 1895, pp. 59-61, pl. 3, figs. 13-15.

= *Dolatocrinus lineolatus* S. A. Miller and Gurley, 1894
 Springer, 1921, pp. 55–56, pl. 15, fig. 7.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Dolatocrinus spinosus S. A. Miller and Gurley, 1894

Holotype: UC 6074.

S. A. Miller and Gurley, 1894b, pp. 8–9, pl. 1, figs. 4, 5.
 Springer, 1921, pp. 34–35.

Devonian, Hamilton Group [published]; Upper Helderberg
 [catalogue].

Charlestown, Indiana.

Remarks: See remarks for *D. grandis* S. A. Miller and Gurley, 1894.

Dolatocrinus stellifer S. A. Miller and Gurley, 1894

Holotype: designated by Springer, 1921, pl. 11, UC 6088A.

S. A. Miller and Gurley, 1894b, pp. 20–21, pl. 2, figs. 10, 11.
 Springer, 1921, pp. 44–46, pl. 11, fig. 6.

Referred specimen: UC 6088B.

S. A. Miller and Gurley, 1894b, pp. 20–21, pl. 2, fig. 12.
 Springer, 1921, pp. 44–46.

Devonian, Hamilton Group.

Louisville, Kentucky; Gurley Collection.

See also: *Dolatocrinus aplatus* S. A. Miller and Gurley, 1896

Dolatocrinus dissimilaris S. A. Miller and Gurley, 1896

Dolatocrinus hammelli S. A. Miller and Gurley, 1895

Dolatocrinus laguncula S. A. Miller and Gurley, 1896

Dolatocrinus neglectus S. A. Miller and Gurley, 1897

Dolatocrinus vasculum S. A. Miller and Gurley, 1895

Holotype: UC 6096.

S. A. Miller and Gurley, 1895a, pp. 53–54, pl. 5, figs. 7–9.

S. A. Miller, 1897, p. 743, text figs. 1341, 1342.

= *Dolatocrinus amplus* S. A. Miller and Gurley, 1894

Springer, 1921, pp. 47–48, pl. 11, figs. 13, 14.

Devonian, Hamilton Group.

Charlestown, Indiana; Gurley Collection.

Dolatocrinus venustus S. A. Miller and Gurley, 1894

Holotype: UC 6094.

S. A. Miller and Gurley, 1894b, pp. 23–24, pl. 2, figs. 16–18.

Springer, 1921, p. 50, pl. 13, figs. 1–3.

Devonian, Hamilton Group.

Charlestown, Indiana; Gurley Collection.

See also: *Dolatocrinus arrosus* S. A. Miller and Gurley, 1896

Dolatocrinus aureatus S. A. Miller and Gurley, 1894

Dolatocrinus lyoni S. A. Miller and Gurley, 1896

Dorycrinus alabamensis S. A. Miller and Gurley, 1896

Holotype: UC 8859.

S. A. Miller and Gurley, 1896c, pp. 15–17, pl. 3, figs. 15–17.

Mississippian, Keokuk Group.

Chert Hill, Alabama; Faber Collection.

Dorycrinus amoenus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6983 and UC 6264.

Referred specimen: UC 6983.

S. A. Miller, 1891b, pp. 35–36, pl. 5, fig. 6.

= *Aorocrinus parvus* (Shumard, 1855)

Wachsmuth and Springer, 1897, pp. 477–478.

Referred specimen: UC 6264.

S. A. Miller, 1891b, pp. 35–36, pl. 5, fig. 5.

= *Aorocrinus parvus* (Shumard, 1855)

Wachsmuth and Springer, 1897, pp. 477–478.

Mississippian, Burlington Limestone.

Sedalia, Missouri.

Dorycrinus confragosus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6984.

Referred specimens: UC 6984, two specimens.

S. A. Miller, 1891b, pp. 34–35, pl. 5, figs. 12, 13.

= *Eretmocrinus leucosia* (Hall, 1861)

Wachsmuth and Springer, 1897, pp. 401–402.

Mississippian, Burlington Limestone.

Sedalia, Missouri; Sampson Collection.

Dorycrinus cornigerus (Hall, 1858)

See: *Actinocrinus cornigerus* Hall, 1858

Dorycrinus devonicus Springer, 1911

Referred specimen: UC 9962.

Springer, 1911a, pp. 120–122, pl. 3, figs. 12a–12d.

Devonian, Hamilton Group.

Charlestown, Indiana; Gurley Collection.

Remarks: UC 9962 is one of the “cotypes.” The other type is in the Springer Collection.

Dorycrinus elegans S. A. Miller, 1892

Holotype: UC 6982.

S. A. Miller, 1892b, pp. 17–18, pl. 3, figs. 4, 5.

S. A. Miller, 1894, pp. 271–272, pl. 3, figs. 4, 5.

= *Aorocrinus elegans* (S. A. Miller, 1892)

Wachsmuth and Springer, 1897, pp. 480–481, pl. 34, figs. 17a, 17b.

Mississippian, Burlington Group.

Sedalia, Missouri; Gurley Collection.

Dorycrinus faberi S. A. Miller and Gurley, 1896

Holotype: UC 8774.

S. A. Miller and Gurley, 1896c, pp. 19–21, pl. 1, figs. 8–10.

S. A. Miller, 1897, p. 744, text fig. 1345.

Mississippian, Burlington Limestone.

Burlington, Iowa; Faber Collection.

Dorycrinus greenei S. A. Miller and Gurley, 1894

Holotype: UC 6442.

S. A. Miller and Gurley, 1894c, pp. 48–50, pl. 5, figs. 1–3.

Mississippian, Knobstone Group.

At Button Knobs, Bullitt County, Kentucky; Gurley Collection.

Dorycrinus unicornus (Owen and Shumard, 1850)

See: *Actinocrinus unicornus* Owen and Shumard, 1850

Drymocrinus geniculatus (Ulrich, 1879)

See: *Heterocrinus geniculatus* Ulrich, 1879

Dystactocrinus constrictus (Hall, 1871)

See: *Heterocrinus constrictus* Hall, 1871

Ectenocrinus raymondi Slocom, 1924

Holotype: original designation, UC 24701.

Slocom *in* Slocom and Foerste, 1924, pp. 337-339, pl. 29, figs. 5-9.

Ordovician, Lower Maquoketa.

Clermont, Iowa; gift of P. C. Raymond.

Edriocrinus sacculus Hall, 1859

Referred specimens: UC 9519, three specimens.

S. Weller, 1903, p. 342, pl. 45, figs. 3-5.

Devonian, Oriskany.

Cumberland, Maryland; collected by Frank Hartley.

Edriocrinus cf. sacculus Hall, 1859

Referred specimen: UC 27559.

Stewart *in* Branson, 1924, p. 223, pl. 57, fig. 11.

Devonian, Little Saline Limestone.

Little Saline Creek in Missouri; collected by University of Chicago Ste. Genevieve County, Missouri field classes.

Edriocrinus? sp.

Referred specimen: UC 21128.

Tansey *in* Branson, 1924, p. 181, pl. 44, figs. 1-3.

Devonian, Bailey Limestone (chert).

Little Saline Creek in Missouri; collected by University of Chicago Ste. Genevieve County, Missouri field classes.

Emperocrinus indianensis S. A. Miller and Gurley, 1895

Holotype: UC 6023.

S. A. Miller and Gurley, 1895a, p. 43, pl. 4, figs. 16, 17.

S. A. Miller, 1897, p. 744, text figs. 1347, 1348.

Referred specimen: UC 6023A.

S. A. Miller and Gurley, 1895a, p. 43.
Silurian, Niagara Group.
St. Paul, Indiana; Gurley Collection.

Endelocrinus texanus (S. Weller, 1909)

See: *Delocrinus texanus* S. Weller, 1909

Eratocrinus commaticus (S. A. Miller, 1891)

See: *Zeacrinus commaticus* S. A. Miller, 1891

Eratocrinus salemensis (S. A. Miller and Gurley, 1894)

See: *Zeacrinus salemensis* S. A. Miller and Gurley, 1894

Eretmocrinus commendabilis S. A. Miller and Gurley, 1895

Holotype: UC 6475.

S. A. Miller and Gurley, 1895a, pp. 25–26, pl. 2, fig. 15.

S. A. Miller, 1897, p. 744, text fig. 1349.

Van Sant *in* Van Sant and Lane, 1964, p. 116, pl. 7, fig. 12.

= *Batocrinus commendabilis* (S. A. Miller and Gurley, 1895)

S. A. Miller, 1897, p. 736.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Eretmocrinus leucosia (Hall, 1861)

See: *Batocrinus blairi* S. A. Miller, 1892

Dorycrinus confragosus S. A. Miller, 1891

Eretmocrinus lyonanus S. A. Miller, 1891

Holotype: UC 6276.

S. A. Miller, 1891a, pp. 59–60, pl. 10, figs. 3, 4.

S. A. Miller, 1892a, pp. 669–670, pl. 10, figs. 3, 4.

= *Eretmocrinus magnificus* Lyon and Casseday, 1859

Wachsmuth and Springer, 1897, pp. 386–387.

Mississippian, Keokuk Group.

Little Bear River, Kentucky; Gurley Collection.

Eretmocrinus magnificus Lyon and Casseday, 1859

See: *Eretmocrinus lyonanus* S. A. Miller, 1891

Eretmocrinus spinosus (S. A. Miller and Gurley, 1895)

See: *Batocrinus spinosus* S. A. Miller and Gurley, 1895

Erisocrinus propinquus S. Weller, 1909

Holotype: original designation, UC 13367.

S. Weller, 1909a, pp. 629-630, pl. 1, figs. 14, 15.

Moore and Plummer, 1940, pp. 158-160, text fig. 26b, pl. 4, figs. 2a, 2b.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Erisocrinus trinodus S. Weller, 1909

Holotype: original designation, UC 13368.

S. Weller, 1909a, p. 630, pl. 1, figs. 10, 11.

= *Spaniocrinus?* *trinodus* (S. Weller, 1909)

Moore and Plummer, 1940, pp. 134-135, pl. 2, figs. 2a, 2b.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Ethelocrinus costalis Moore and Plummer, 1938

See: *Eupachyrcrinus* cf. *magister* S. A. Miller and Gurley, 1890

?Ethelocrinus costalis Moore and Plummer, 1938

See: *Eupachyrcrinus* cf. *magister* S. A. Miller and Gurley, 1890

Ethelocrinus magister (S. A. Miller and Gurley, 1890)

See: *Eupachyrcrinus magister* S. A. Miller and Gurley, 1890

Eupachyrcrinus sphaeralis S. A. Miller and Gurley, 1890

Ethelocrinus sphaeralis (S. A. Miller and Gurley, 1890)

See: *Eupachyrcrinus sphaeralis* S. A. Miller and Gurley, 1890

Eucalyptocrinites asper (S. Weller, 1900)

See: *Eucalyptocrinus asper* S. Weller, 1900

Eucalyptocrinites bordeni (Roy, 1929)

See: *Eucalyptocrinus bordeni* Roy, 1929

Eucalyptocrinites chicagoensis (Winchell and Marey, 1865)

See: *Eucalyptocrinus chicagoensis* Winchell and Marey, 1865

Eucalyptocrinites crassus (Hall, 1863)

See: *Eucalyptocrinus crassus* Hall, 1863

Eucalyptocrinus ellipticus S. A. Miller, 1891

Eucalyptocrinus subglobosus S. A. Miller, 1891

Eucalyptocrinites ellipticus (S. A. Miller, 1891)

See: *Eucalyptocrinus ellipticus* S. A. Miller, 1891

Eucalyptocrinites elrodi (S. A. Miller, 1891)

See: *Eucalyptocrinus elrodi* S. A. Miller, 1891

Eucalyptocrinus subglobosus S. A. Miller, 1891

Eucalyptocrinites magnus (Worthen, 1875)

See: *Eucalyptocrinus gorbyi* S. A. Miller, 1891

Eucalyptocrinus magnus Worthen, 1875

Eucalyptocrinites nodulosus (S. Weller, 1900)

See: *Eucalyptocrinus nodulosus* S. Weller, 1900

Eucalyptocrinites obconicus (Hall, 1868)

See: *Eucalyptocrinus obconicus* Hall, 1868

Eucalyptocrinites tuberculatus (S. A. Miller and Dyer, 1878)

See: *Eucalyptocrinus elrodi* S. A. Miller, 1891

Eucalyptocrinus asper S. Weller, 1900

Holotype: original designation, UC 4412A.

S. Weller, 1900, pp. 110–111, pl. 5, figs. 6, 7.

= *Eucalyptocrinites asper* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 462.

Referred specimen: UC 4412B.

S. Weller, 1900, pp. 110–111, pl. 5, figs. 4, 5.

= *Eucalyptocrinites asper* (S. Weller, 1900)
Bassler and Moodey, 1943, p. 462.

Silurian, Niagaran.

Bridgeport and Hawthorne (both now in Chicago), Illinois.

Eucalyptocrinus bordeni Roy, 1929

Holotype, not designated, to be selected from P 19543.

Referred specimens: P 19543, two specimens.

Roy, 1929, pp. 203-204, pl. 32, figs. 5, 6.

= *Eucalyptocrinites bordeni* (Roy, 1929)
Bassler and Moodey, 1943, p. 462.

Silurian, Niagaran.

Louisville, Kentucky.

Eucalyptocrinus chicagoensis Winchell and Marcy, 1865

Holotype: UC 51658.

Winchell and Marcy, 1865, pp. 90-91, text fig. p. 90.

= *Eucalyptocrinus crassus* Hall, 1863
Wachsmuth and Springer, 1897, pp. 342-344.

= *Eucalyptocrinites chicagoensis* (Winchell and Marcy, 1865)
Bassler and Moodey, 1943, p. 463.

Silurian, Niagaran.

Bridgeport Quarry, Chicago, Illinois.

Eucalyptocrinus crassus Hall, 1863

Referred specimen: UC 4628.

S. Weller, 1900, pp. 105-107, pl. 5, fig. 2.

= *Eucalyptocrinites crassus* (Hall, 1863)
Bassler and Moodey, 1943, p. 463.

Silurian, Niagaran.

Bridgeport (now in Chicago), Illinois.

Referred specimen: UC 32939.

Fisher, 1925, p. 42, pl. 5, fig. 6.

Silurian, Niagaran.

Joliet, Illinois; Van Horne Collection.

Remarks: *E. crassus* = *Eucalyptocrinites crassus* (Hall, 1863)
Bassler and Moodey, 1943, p. 463.

See also: *Eucalyptocrinus chicagoensis* Winchell and Marcy, 1865

Eucalyptocrinus ellipticus S. A. Miller, 1891

Holotype: UC 6117.

S. A. Miller, 1891a, pp. 38–39, pl. 7, fig. 4.

S. A. Miller, 1892a, pp. 648–649, pl. 7, fig. 4.

= *Eucalyptocrinites ellipticus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 464.

= *Eucalyptocrinites crassus* (Hall, 1863)

Macurda, 1968, p. 115.

Silurian, Niagara Group.

Hartsville, Indiana; Gurley Collection.

Eucalyptocrinus elrodi S. A. Miller, 1891

Holotype: UC 6030.

S. A. Miller, 1891a, pp. 40–41, pl. 7, figs. 9, 10.

S. A. Miller, 1892a, pp. 650–651, pl. 7, figs. 9, 10.

S. A. Miller, 1897, p. 745, text figs. 1351, 1352.

= *Eucalyptocrinites elrodi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 464.

= *Eucalyptocrinites tuberculatus* (S. A. Miller and Dyer, 1878)

Macurda, 1968, p. 115.

Silurian, Niagara Group.

Hartsville, Indiana; Gurley Collection.

See also: *Eucalyptocrinus subglobosus* S. A. Miller, 1891

Eucalyptocrinus gorbyi S. A. Miller, 1891

Holotype: UC 6116.

S. A. Miller, 1891a, p. 39, pl. 7, figs. 5, 6.

S. A. Miller, 1892a, p. 649, pl. 7, figs. 5, 6.

S. A. Miller, 1897, p. 745, text fig. 1353.

= *Eucalyptocrinus magnus* Worthen, 1875

Wachsmuth and Springer, 1897, p. 348, pl. 82, fig. 8.

= *Eucalyptocrinites magnus* (Worthen, 1875)

Bassler and Moodey, 1943, p. 465.

Macurda, 1968, p. 116.

Silurian, Niagara Group.

Near Nashville, Tennessee; Gurley Collection.

Eucalyptocrinus magnus Worthen, 1875

Referred specimen: UC 6591.

S. Weller, 1900, pp. 116–117, pl. 6, fig. 7.

= *Eucalyptocrinites magnus* (Worthen, 1875)

Bassler and Moodey, 1943, p. 465.

Silurian, Niagaran.

Hawthorne (now Dolese-Shepard Quarry in Chicago), Illinois;
gift of H. H. Hindshaw.

See also: *Eucalyptocrinus gorbyi* S. A. Miller, 1891

Eucalyptocrinus nodulosus S. Weller, 1900

Holotype, not designated, to be selected from UC 6586.

Referred specimens: UC 6586, two specimens.

S. Weller, 1900, pp. 109–110, pl. 7, figs. 1–3.

= *Eucalyptocrinites nodulosus* (S. Weller, 1900)

Bassler and Moodey, 1943, p. 465.

Silurian, Niagaran.

Bridgeport (now in Chicago) and Romeo, Illinois; gift of W. H.
Head.

Eucalyptocrinus obconicus Hall, 1868

Referred specimen: P 8879.

Slocum, 1908, pp. 301–302, pl. 86, figs. 1, 2.

Silurian, Niagaran.

Spoil heaps along the Chicago Drainage Canal, near Lemont,
Illinois; collected by Slocum.

Remarks: *E. obconicus* = *Eucalyptocrinites obconicus* (Hall, 1868)
Bassler and Moodey, 1943, p. 465.

Eucalyptocrinus subglobosus S. A. Miller, 1891

Holotype: UC 6034.

S. A. Miller, 1891a, pp. 37–38, pl. 7, fig. 3.

S. A. Miller, 1892a, pp. 647–648, pl. 7, fig. 3.

S. A. Miller, 1897, p. 745, text fig. 1354.

= *Eucalyptocrinus elrodi* S. A. Miller, 1891

Wachsmuth and Springer, 1897, pp. 339–340.

= *Eucalyptocrinites elrodi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 464.

= *Eucalyptocrinites crassus* (Hall, 1863)

Macurda, 1968, p. 115.

Silurian, Niagara Group.

Hartsville, Indiana; Gurley Collection.

Eucalyptocrinus sp.?

See: *Crinocystites chrysalis* Hall, 1868

Eucatillocrinus bradleyi (Meek and Worthen, 1868)

Referred specimens: UC 51827A and B, two specimens.

Van Sant in Van Sant and Lane, 1964, pp. 68–69, pl. 1, fig. 2.

Mississippian, Keokuk Group.

Hall locality 751, "Crawfordsville, Indiana; Mohr Collection.";
Hall Collection.

Eucladocrinus tuberosus (Hall, 1858)

See: *Platycrinus occidentalis* S. A. Miller, 1891

Eupachycrinus durabilis (S. A. Miller and Gurley, 1895)

Referred specimens: UC 9412, two specimens.

Sutton and Winkler, 1940, pp. 549–550, pl. 66, figs. 20, 21.

= *Eupachycrinus spartarius* (S. A. Miller, 1879)

Burdick and Strimple, 1969, p. 6.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

See also: *Zeacrinus durabilis* S. A. Miller and Gurley, 1895

Eupachycrinus germanus S. A. Miller, 1879

Holotype: UC 6411.

S. A. Miller, 1879a, pp. 40–41, pl. 8, fig. 3.

Sutton and Winkler, 1940, p. 551, pl. 66, figs. 16, 17.

Burdick and Strimple, 1969, p. 6.

= *Eupachycrinus spartarius* S. A. Miller, 1879

S. Weller, 1898, p. 266.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Eupachyrcrinus irregularis Sutton and Winkler, 1940

Holotype: original designation, UC 9418.

Sutton and Winkler, 1940, p. 551, pl. 66, figs. 8-10.

Mississippian, Chester Series (probably Glen Dean Limestone).

Pulaski County, Kentucky; Gurley Collection.

Eupachyrcrinus magister S. A. Miller and Gurley, 1890

Holotype: UC 6230.

S. A. Miller and Gurley, 1890a, pp. 4-5, pl. 1, figs. 1, 2.

S. A. Miller and Gurley, 1890b, pp. 4-5, pl. 1, figs. 1, 2.

S. A. Miller and Gurley, 1891, pp. 328-329, pl. 1, figs. 1, 2.

= *Ethelocrinus magister* (S. A. Miller and Gurley, 1890)

Kirk, 1937, pp. 605-606.

Moore and Plummer, 1940, pp. 377-379, text fig. 76.

Moore and Laudon in Shimer and Shrock, 1944, p. 175, pl. 65, figs. 33a, 33b.

Upper Coal Measures [Pennsylvanian, Missouri Series, Lane Shale; Bassler and Moodey, 1943, p. 461.].

Kansas City, Missouri; Gurley Collection.

Eupachyrcrinus cf. magister S. A. Miller and Gurley, 1890

Referred specimen: UC 16189.

Mather, 1915, pp. 104-105, pl. 2, fig. 8.

= *Ethelocrinus costalis* Moore and Plummer, 1938

Moore and Plummer, 1938, pp. 261-262.

Pennsylvanian, Brentwood Limestone.

Mather, 1915 station 152, near Fayetteville, Arkansas; Mather, donor.

Referred specimens: UC 16190, two specimens.

Mather, 1915, pp. 104-105, pl. 2, figs. 7, 9.

= ?*Ethelocrinus costalis* Moore and Plummer, 1938

Moore and Plummer, 1938, pp. 261-262.

Pennsylvanian, Morrow Formation.

Mather, 1915 station 301, near Ft. Gibson, Oklahoma; Mather, donor.

Eupachyrcrinus parvus S. A. Miller and Gurley, 1894

Holotype: UC 6239.

S. A. Miller and Gurley, 1894a, pp. 60–61, pl. 6, figs. 22, 23.
 = *Perimestocrinus parvus* (S. A. Miller and Gurley, 1894)
 Moore and Plummer, 1938, p. 281.

Upper Coal Measures [Pennsylvanian, Missouri Series, ?Argentine
 Limestone; Bassler and Moodey, 1943, p. 603].
 Kansas City, Missouri; Gurley Collection.

Eupachyrcrinus spartarius S. A. Miller, 1879

Holotype: UC 6413.

S. A. Miller, 1879a, pp. 38–39, pl. 8, figs. 2, 2a.

Bassler and Moodey, 1943, p. 472.

Burdick and Strimple, 1969, p. 6.

= *Intermediacrinus spartarius* (S. A. Miller, 1879)

Sutton and Winkler, 1940, p. 561, pl. 66, figs. 3–5.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

See also: *Eupachyrcrinus durabilis* (S. A. Miller and Gurley, 1895)

Eupachyrcrinus germanus S. A. Miller, 1879

Zeacrinus durabilis S. A. Miller and Gurley, 1895

Eupachyrcrinus sphaeralis S. A. Miller and Gurley, 1890

Holotype: UC 6231.

S. A. Miller and Gurley, 1890a, pp. 5–6, pl. 1, figs. 3, 4.

S. A. Miller and Gurley, 1890b, pp. 5–6, pl. 1, figs. 3, 4.

S. A. Miller and Gurley, 1891 pp. 329–330, pl. 1, figs. 3, 4.

= *Ethelocrinus magister* (S. A. Miller and Gurley, 1890)

Kirk, 1937, p. 606.

= *Ethelocrinus sphaeralis* (S. A. Miller and Gurley, 1890)

Moore and Plummer, 1940, p. 378.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 175, pl. 65,
 figs. 30a, 30b.

Upper Coal Measures [Pennsylvanian, Missouri Series, Lane Shale;
 Bassler and Moodey, 1943, pp. 461–462.].

Kansas City, Missouri; Gurley Collection.

Eupachyrcrinus tumidus (Sutton and Winkler, 1940)

See: *Intermediacrinus tumidus* Sutton and Winkler, 1940

Eupachycrinus tumulosus S. A. Miller, 1891

Holotype: UC 6240.

S. A. Miller, 1891a, pp. 70–71, pl. 9, figs. 9, 10.

S. A. Miller, 1892a, pp. 680–681, pl. 9, figs. 9, 10.

S. A. Miller, 1892c, p. 678, text fig. 1230.

= *Ageneracrinus tumulosus* (S. A. Miller, 1891)

Sutton and Winkler, 1940, pp. 563–564, pl. 67, figs. 18, 19.

= *Exochocrinus tumulosus* (S. A. Miller, 1891)

Burdick and Strimple, 1969, pp. 12–13, text fig. 2A, pl. 1, fig. 7.

Mississippian, Kaskaskia.

Breckenridge County, Kentucky; Gurley Collection.

Eupachycrinus variabilis (Sutton and Winkler, 1940)

See: *Intermediacrinus variabilis* Sutton and Winkler, 1940

Eutrochocrinus christyi (Shumard, 1855)

See: *Batocrinus altiusculus* S. A. Miller and Gurley, 1894

Exochocrinus tumulosus (S. A. Miller, 1891)

See: *Ageneracrinus tumidorugosus* Sutton and Winkler, 1940

Eupachycrinus tumulosus S. A. Miller, 1891

Forbesiocrinus agassizi Hall, 1858

Holotype: UC 12927.

Hall, 1858, pp. 630–631, text fig. 103.

Hall, 1860a, pp. 65–67, text fig.

Hall, 1872b, pl. 7, fig. 1.

Springer, 1920, pp. 250–252, pl. 25, fig. 1.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: Part of the specimen, UC 12927, has been lost but the plaster cast UC 15831 preserves the complete specimen.

Forbesiocrinus greenei S. A. Miller and Gurley, 1896

See: *Forbesocrinus greenei* S. A. Miller and Gurley, 1896

Forbesiocrinus multibrachiatus Lyon and Casseday, 1859

See: *Forbesocrinus speciosus* S. A. Miller and Gurley, 1890

Forbesiocrinus parvus Wetherby, 1879

Holotype, not designated, to be selected from UC 6480.

Referred specimens: UC 6480, four specimens.

Wetherby, 1879, pp. 138–140, pl. 11, figs. 4a, 4b.

= *Taxocrinus whitfieldi* (Hall, 1858)

Springer, 1920, pp. 408–409.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

Forbesiocrinus pyriformis S. A. Miller and Gurley, 1894

See: *Forbesocrinus pyriformis* S. A. Miller and Gurley, 1894

Forbesiocrinus washingtonensis S. A. Miller and Gurley, 1896

See: *Forbesocrinus washingtonensis* S. A. Miller and Gurley, 1896

Forbesiocrinus wortheni Hall, 1858

See: *Forbesocrinus jerseyensis* S. A. Miller and Gurley, 1896

Forbesocrinus macadamsi S. A. Miller and Gurley, 1896

Forbesocrinus elegantulus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6245.

Referred specimens: UC 6245, three specimens.

S. A. Miller, 1891b, p. 40, pl. 5, figs. 14, 15.

S. A. Miller, 1897, p. 746, text fig. 1355.

= *Taxocrinus giddingsi* (Hall, 1858)

Springer, 1920, p. 405, pl. 59, fig. 11.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Forbesocrinus greenei S. A. Miller and Gurley, 1896

Holotype: UC 6626.

S. A. Miller and Gurley, 1896b, pp. 57–58, pl. 4, figs. 1, 2.

= *Forbesiocrinus greenei* S. A. Miller and Gurley, 1896

Springer, 1920, pp. 258–259, pl. 30, fig. 1.

Mississippian, Keokuk Group.

Edwardsville, Indiana; Gurley Collection.

Forbesocrinus jerseyensis S. A. Miller and Gurley, 1896

Holotype: UC 6459.

S. A. Miller and Gurley, 1896a, pp. 58-59, pl. 4, figs. 2, 3.

= *Forbesiocrinus wortheni* Hall, 1858

Springer, 1920, pp. 253-255.

Mississippian, Warsaw Group.

Jersey County, Illinois; Gurley Collection.

Forbesocrinus macadamsi S. A. Miller and Gurley, 1896

Holotype: UC 6476.

S. A. Miller and Gurley, 1896b, pp. 58-60, pl. 5, figs. 1, 2.

= *Forbesiocrinus wortheni* Hall, 1858

Springer, 1920, pp. 253-255, pl. 27, fig. 8.

Mississippian, Keokuk Group.

Jersey County, Illinois; Gurley Collection.

Forbesocrinus pyriformis S. A. Miller and Gurley, 1894

Holotype: UC 6273.

S. A. Miller and Gurley, 1894, pp. 47-49, pl. 4, fig. 1.

= *Forbesiocrinus pyriformis* S. A. Miller and Gurley, 1894

Springer, 1920, pp. 257-258, pl. 29, figs. 6a, 6b.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 179, pl. 68, fig. 13.

Mississippian, Keokuk Group.

At Muldrough's Hill, Hardin County, Kentucky; Gurley Collection.

Forbesocrinus speciosus S. A. Miller and Gurley, 1890

Holotype: UC 6267.

S. A. Miller and Gurley, 1890b, pp. 27-28, pl. 5, figs. 8, 9.

S. A. Miller and Gurley, 1891, pp. 347-348, pl. 5, figs. 8, 9.

= *Forbesiocrinus multibrachiatus* (Lyon and Casseday, 1859)

Springer, 1920, pp. 255-256, pl. 29, fig. 5.

Mississippian, Keokuk Group.

Washington County [published]; Canton, [catalogue], Indiana; Gurley Collection.

Forbesocrinus washingtonensis S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6458.

Referred specimens: UC 6458, two specimens.

S. A. Miller and Gurley, 1896a, pp. 54–55, pl. 3, figs. 32, 33.

S. A. Miller, 1897, p. 746, text figs. 1356, 1357.

= *Forbesiocrinus washingtonensis* S. A. Miller and Gurley, 1896

Springer, 1920, pp. 256–257, pl. 29, figs. 1, 2.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Gaurocrinus cognatus (S. A. Miller, 1881)

See: *Glyptocrinus cognatus* S. A. Miller, 1881

Gaurocrinus nealli (Hall, 1866)

See: *Glyptocrinus cognatus* S. A. Miller, 1881

Gaurocrinus splendens S. A. Miller, 1883

Holotype, not designated, to be selected from UC 6286.

Referred specimens: UC 6286, two specimens.

S. A. Miller, 1883, p. 230, pl. 11, figs. 3, 3a.

= *Ptychocrinus splendens* (S. A. Miller, 1883)

Wachsmuth and Springer, 1897, pp. 198–199, pl. 11, figs. 3a, 3b.

Savage, 1913, p. 39, pl. 1, fig. 1.

Savage, 1917, pp. 95–96, pl. 3, fig. 1.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 187, pl. 72, fig. 17.

Ordovician, Trenton Group [S. A. Miller]; Alexandrian Series, Girardeau Limestone [Savage].

Cape Girardeau, Missouri; Gurley Collection.

Gazacrinus inornatus S. A. Miller, 1892

Referred specimens: UC 6580, five specimens.

S. A. Miller, 1892b, pp. 49–50, pl. 5, fig. 10.

S. A. Miller, 1892c, p. 679, text fig. 1232.

S. A. Miller, 1894a, pp. 303–304, pl. 5, fig. 10.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Remarks: UC 6580 consists of five of the original specimens used by S. A. Miller, 1892. It is not known whether a holotype has been designated.

Gazacrinus major S. Weller, 1900

Holotype, not designated, to be selected from UC 6594.

Referred specimens: UC 6594, four specimens.

S. Weller, 1900, pp. 78–79, pl. 3, figs. 1, 2.

Silurian, Niagaran.

Hawthorne, Illinois (now Dolese-Shepard Quarry in Chicago);
gift of H. H. Hindshaw.

Gazacrinus minor S. Weller, 1900

Holotype, not designated, to be selected from UC 6595.

Referred specimens: UC 6595, two specimens.

S. Weller, 1900, p. 80, pl. 3, figs. 3, 4.

Silurian, Niagaran.

Bridgeport, Illinois (now in Chicago); gift of H. H. Hindshaw.

Gennaeocrinus trijugis (S. A. Miller, 1891)

See: *Bairocrinus trijugis* S. A. Miller, 1891

Gilbertsocrinus faberi (S. A. Miller and Gurley, 1896)

See: *Goniasteroidocrinus faberi* S. A. Miller and Gurley, 1896

Genus and species unknown

Referred specimen: PE 13946

Lane, 1969, pp. 151–156, text-figs. 81–83.

Pennsylvanian: Francis Creek Shale.

Essex nodule locality, strip mine dump, south of Wilmington,
Will County, Illinois.

Gilbertsocrinus indianensis S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6111.

Referred specimens: UC 6111, three specimens.

S. A. Miller and Gurley, 1895a, pp. 38–40, pl. 3, figs. 16–22.

Devonian, Hamilton Group.

Charlestown, Indiana; Gurley Collection.

Gilbertsocrinus lyonanus (S. A. Miller and Gurley, 1894)

See: *Goniasteroidocrinus lyonanus* S. A. Miller and Gurley, 1894

Globocrinus unionensis (Worthen, 1890)

Referred specimen: UC 25365.

S. Weller, 1920, pp. 331–333, pl. 5, figs. 20, 21.

Mississippian, Shetlerville Formation.

Fairview Bluff, Hardin County, Illinois; collected by S. Weller, 1907.

Referred specimen: UC 25366.

S. Weller, 1920, pp. 331–333, pl. 5, figs. 22, 23.

Mississippian, Shetlerville Formation.

Four miles west of Marion, Kentucky; collected by S. Weller, 1915.

Glyptocrinus cognatus S. A. Miller, 1881

Holotype: UC 8846.

S. A. Miller, 1881c, pp. 75–76, pl. 1, figs. 5, 5a.

= *Gaurocrinus cognatus* (S. A. Miller, 1881)

S. A. Miller, 1883, p. 229.

= *Reteocrinus nealli* (Hall, 1866)

Wachsmuth and Springer, 1897, pp. 179–181.

= *Gaurocrinus nealli* (Hall, 1866)

Bassler and Moodey, 1943, p. 483.

Ordovician, Cincinnati.

Near Middletown, Ohio; Faber Collection.

Glyptocrinus dyeri Meek, 1872

See: *Glyptocrinus shafferi* S. A. Miller, 1875

Glyptocrinus shafferi var. *grmaenus* S. A. Miller, 1880

Glyptocrinus dyeri var. **sublaevis** S. A. Miller, 1878

Holotype: UC 33729.

S. A. Miller, 1878, p. 103, pl. 3, fig. 2.

= *Pyncocrinus dyeri sublaevis* (S. A. Miller, 1878)

Bassler and Moodey, 1943, p. 657.

Ordovician, Maysville, Corryville.

Near top of hills in Eden Park in Cincinnati, Ohio; Haines Collection.

Glyptocrinus mercerensis S. A. Miller and Gurley, 1894

Holotype: UC 6043.

S. A. Miller and Gurley, 1894c, pp. 28-29, pl. 2, fig. 23.

= *Periglyptocrinus priscus* (Billings, 1857)

Bassler and Moodey, 1943, p. 602.

Referred specimen: UC 6043A.

S. A. Miller and Gurley, 1894c, pp. 28-29.

= *Periglyptocrinus priscus* (Billings, 1857)

Bassler and Moodey, 1943, p. 602.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Glyptocrinus pattersoni S. A. Miller, 1882

Referred specimens: UC 8844, two specimens.

S. A. Miller, 1882b, pp. 80-81, pl. 3, fig. 2a.

= *Pyncocrinus pattersoni* (S. A. Miller, 1882)

Bassler and Moodey, 1943, p. 658.

Ordovician, Utica Slate [published]; Cincinnati [catalogue].

In the banks of the Ohio River opposite Cincinnati, Ohio [published]; Ludlow, Kentucky [catalogue]; Faber Collection.

Remarks: UC 8844 consists of two of the original four specimens used by S. A. Miller, 1882.

Glyptocrinus shafferi S. A. Miller, 1875

Referred specimen: UC 8839.

S. A. Miller, 1875, p. 279.

S. A. Miller, 1880, pp. 233-234, pl. 7, figs. 3-3c.

= *Pyncocrinus shafferi* (S. A. Miller, 1875)

S. A. Miller, 1883, pp. 231-232.

S. A. Miller, 1889, pp. 276-277, text figs. 413, 415.

Bassler and Moodey, 1943, p. 658.

= *Glyptocrinus dyeri* Meek, 1872Wachsmuth and Springer, 1897, pp. 272-273, pl. 21, fig. 3d [under heading ?*Glyptocrinus shafferi* (S. A. Miller, 1875), p. 272].= *Pyncocrinus dyeri* (Meek, 1872)

Bassler and Moodey, 1943, p. 657.

= *Pyncocrinus germanus* (S. A. Miller, 1880)

Bassler and Moodey, 1943, p. 657.

Ordovician, Cincinnati.

About 300 ft. above low-water mark of the Ohio River at Cincinnati, Ohio; Faber Collection.

Glyptocrinus shafferi var. **germanus** S. A. Miller, 1880

Holotype: UC 8840.

S. A. Miller, 1880, p. 233, pl. 7, figs. 2, 2a.

= *Pyncocrinus germanus* (S. A. Miller, 1880)

S. A. Miller, 1883, pp. 232–233.

S. A. Miller, 1889, p. 276, text fig. 412.

Bassler and Moodey, 1943, p. 657.

= *Glyptocrinus dyeri* Meek, 1872

Wachsmuth and Springer, 1897, pp. 272–273, pl. 21, fig. 3e [under heading ?*Glyptocrinus shafferi* (S. A. Miller, 1875), p. 272].

= *Pyncocrinus dyeri* (Meek, 1872)

Bassler and Moodey, 1943, p. 657.

Ordovician, Cincinnati.

At an elevation of less than 400 ft. above low-water mark in the Ohio River at Cincinnati, Ohio; Faber Collection.

Goniasteroidocrinus faberi S. A. Miller and Gurley, 1896

Holotype: UC 36607.

S. A. Miller and Gurley, 1896c, pp. 84–85, pl. 5, figs. 2, 3.

= *Gilbertsocrinus faberi* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 487.

Mississippian, Keokuk Group.

Joplin, Missouri; Faber Collection.

Goniasteroidocrinus lyonanus S. A. Miller and Gurley, 1894

Holotype: UC 6258.

S. A. Miller and Gurley, 1894a, pp. 55–56, pl. 4, fig. 4.

= *Gilbertsocrinus lyonanus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 487.

Mississippian, Keokuk Group.

On Indian Creek, near Crawfordsville, Indiana; Gurley Collection.

Goniocrinus sculptilis S. A. Miller and Gurley, 1890

Holotype, not designated, to be selected from UC 6203.

Referred specimens: UC 6203, two specimens.

S. A. Miller and Gurley, 1890b, p. 33, pl. 6, figs. 2, 3.

S. A. Miller and Gurley, 1891, pp. 352-353, pl. 6, figs. 2, 3.

S. A. Miller, 1892c, p. 679, text fig. 1235.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 158, pl. 57, fig. 7a.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Graphiocrinus admonitus (S. A. Miller, 1891)

See: *Missouricrinus admonitus* S. A. Miller, 1891

Graphiocrinus notatus (S. A. Miller and Gurley, 1896)

See: *Scaphiocrinus notatus* S. A. Miller and Gurley, 1896

Habrocrinus benedicti (S. A. Miller, 1892)

See: *Periechocrinus chicagoensis* S. Weller, 1900

Saccocrinus benedicti S. A. Miller, 1892

Habrocrinus farringtoni Slocum, 1908

Holotype: original designation, P 8474.

Slocum, 1908, pp. 296-297, pl. 87, figs. 3-5.

= *Carpocrinus farringtoni* (Slocum, 1908)

Bassler and Moodey, 1943, p. 357.

= *Stiptocrinus farringtoni* (Slocum, 1908)

Kirk, 1946, p. 35.

Referred specimen: UC 12625.

Slocum, 1908, pp. 296-297, pl. 87, figs. 1, 2.

= *Carpocrinus farringtoni* (Slocum, 1908)

Bassler and Moodey, 1943, p. 357.

= *Stiptocrinus farringtoni* (Slocum, 1908)

Kirk, 1946, p. 35.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal about one mile east of Lemont, Illinois; collected by S. Weller.

Habrocrinus lemontensis Slocum, 1908

Holotype: original designation, P 9628.

Slocum, 1908, pp. 297-299, pl. 87, figs. 8-10.

= *Carpocrinus lemontensis* (Slocum, 1908)

Bassler and Moodey, 1943, p. 358.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal about one mile east of Lemont, Illinois; collected by Slocum, 1905.

Halysiocrinus nodosus (Hall, 1860)

See: *Cheirocrinus nodosus* Hall, 1860

Halysiocrinus tunicatus (Hall, 1860)

See: *Cheirocrinus tunicatus* Hall, 1860

Heterocrinus constrictus Hall, 1871

Referred specimen: UC 8890.

S. A. Miller, 1884, pp. 18-19, pl. 4, figs. 4, 4a.

= *Dystactocrinus constrictus* (Hall, 1871)

Bassler and Moodey, 1943, p. 442.

Ordovician, Cincinnati.

Cincinnati, Ohio; Faber Collection.

Heterocrinus geniculatus Ulrich, 1879

Referred specimen: UC 8829.

Ulrich, 1879, pp. 16-17, pl. 7, fig. 13b.

= *Drymocrinus geniculatus* (Ulrich, 1879)

Ulrich *in* Foerste, 1924, p. 97.

Ordovician, Utica Shale.

Within 15 ft. of low-water mark in the Ohio River at Cincinnati, Ohio; Faber Collection.

Remarks: UC 8829 is one of three original specimens figured by Ulrich, 1879.

Heterocrinus? (Iocrinus) polyxo Hall, 1866

Referred specimen: UC 391.

Hall, 1866, p. 5.

Hall, 1871, pl. 1, figs. 3, 4.

Hall, 1872, pp. 212-213, pl. 5, figs. 3, 4.

= *Iocrinus subcrassus* (Meek and Worthen, 1865)

Wachsmuth and Springer, 1880, p. 295.

Ordovician, Hudson-River Group [Cincinnatian].

Cincinnati, Ohio; James Collection.

Remarks: UC 391 is one of the original specimens used by Hall.

Heterocrinus? sp.

Referred specimens: P 16882, six specimens.

Slocum *in* Slocum and Foerste, 1924, pp. 339-340, pl. 30, figs. 16, 17.

Referred specimen: P 16934.

Slocum *in* Slocum and Foerste, 1924, pp. 339-340, pl. 30, fig. 15.

Ordovician, Lower Maquoketa Shale.

Clermont, Iowa; collected by Slocum.

Histocrinus graphicus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus graphicus* S. A. Miller and Gurley, 1890

Homocrinus? **aemulus** (Hall, 1879)

See: *Cyathocrinus (Poteriocrinus) aemulus* Hall, 1879

Homocrinus cylindricus Hall, 1852

Referred specimens: P 8887, two specimens.

Slocum, 1908, pp. 291-292, pl. 84, figs. 14, 15.

Silurian, Niagaran.

In spoil heaps along the Chicago Drainage Canal about 1½ miles east of Lemont, Illinois; collected by Slocum, 1905.

Hybocrinus punctatus (S. A. Miller and Gurley, 1895)

See: **Indianocrinus punctatus** S. A. Miller and Gurley, 1895

Hybocrinus tumidus Billings, 1857

Referred specimen: UC 6049.

Wetherby, 1880a, p. 152, pl. 5, figs. 2b, 2c.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Hybocystites problematicus Wetherby, 1880

Holotype, not designated, to be selected from UC 6048.

Referred specimens: UC 6048, two specimens.

Wetherby, 1880a, pp. 150–152, pl. 5, figs. 1–1c.

S. A. Miller, 1889, p. 256, text fig. 342.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Remarks: Wetherby, p. 152, mentions seven specimens. UC 6048 does not correspond exactly with pl. 5, figs. 1–1c.

Hydreionocrinus armiger (Meek and Worthen, 1870)

Referred specimens: UC 6407, three specimens.

Wetherby, 1881a, pp. 328–330, pl. 9, figs. 7–11.

= *Hydreionocrinus wetherbyi* Wachsmuth and Springer, 1886
Wachsmuth and Springer, 1886, p. 169.

= *Tholocrinus wetherbyi* (Wachsmuth and Springer, 1886)
Kirk, 1939, p. 471.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

Hydreionocrinus crassidiscus S. A. Miller and Gurley, 1894

Holotype: UC 6238.

S. A. Miller and Gurley, 1894a, p. 43, pl. 6, fig. 19.

= *Plaxocrinus crassidiscus* (S. A. Miller and Gurley, 1894)

Moore and Plummer, 1938, pp. 277–279, text figs. 26a–26c.

Moore and Plummer, 1940, pp. 187–189, text figs. 36a–36b, pl. 8, fig. 1.

Moore and Laudon in Shimer and Shrock, 1944, p. 163, pl. 63, figs. 7a–7b.

Upper Coal Measures [Pennsylvanian, Missouri Series, ?Argentine Limestone; Bassler and Moodey, 1943, p. 633.].

Kansas City, Missouri; Gurley Collection.

Hydreionocrinus depressus Wetherby, 1881

Referred specimens: UC 6408, two specimens.

Wetherby, 1881a, pp. 325–328, pl. 9, figs. 1–4, 6.

= “cotypes” of *Hydreionocrinus spinosus* Wood, 1909
Wood, 1909, p. 93.

= *Tholocrinus spinosus* (Wood, 1909)
Kirk, 1939, pp. 470–471.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

Remarks: See Kirk, 1939, pp. 469-470, for the complete taxonomic revision of this species.

Hydreionocrinus granuliferus S. A. Miller and Gurley, 1894

Holotype: UC 6184.

S. A. Miller and Gurley, 1894a, p. 44, pl. 6, figs. 20, 21.

= *Perimestocrinus granulifer* [sic] (S. A. Miller and Gurley, 1894)
Moore and Plummer, 1938, p. 281.

= *Perimestocrinus granuliferus* (S. A. Miller and Gurley, 1894)
Bassler and Moodey, 1943, p. 603.

Upper Coal Measures [Pennsylvanian, Missouri Series, ?Argentine Shale; Bassler and Moodey].

Kansas City, Missouri; Gurley Collection.

Hydreionocrinus noduliferus S. A. Miller and Gurley, 1894

Holotype: UC 6229.

S. A. Miller and Gurley, 1894a, pp. 41-43, pl. 6, figs. 15-17.

= *Perimestocrinus nodulifer* [sic] (S. A. Miller and Gurley, 1894)
Moore and Plummer, 1938, p. 281, text figs. 28a-28c.

Moore and Plummer, 1940, pp. 202-203, text figs. 40a-40b.

= *Perimestocrinus noduliferus* (S. A. Miller and Gurley, 1894)
Bassler and Moodey, 1943, p. 603.

Moore and Laudon *in* Shimer and Shroek, 1944, p. 163, pl. 64,
figs. 5a-5b.

Upper Coal Measures [Pennsylvanian, Missouri Series, ?Argentine Shale; Bassler and Moodey].

Kansas City, Missouri; Gurley Collection.

Hydreionocrinus pentagonus S. A. Miller and Gurley, 1890

Holotype: UC 6237.

S. A. Miller and Gurley, 1890a, p. 17, pl. 2, figs. 6, 7.

S. A. Miller and Gurley, 1890b, p. 17, pl. 2, figs. 6, 7.

S. A. Miller and Gurley, 1891, p. 339, pl. 2, figs. 6, 7.

= *Adinocrinus pentagonus* (S. A. Miller and Gurley, 1890)
Moore and Plummer, 1940, pp. 71, 240.

Moore and Laudon *in* Shimer and Shroek, 1944, p. 161, pl. 60,
figs. 24a, 24b.

Referred specimen: UC 6237A.

S. A. Miller and Gurley, 1890a, p. 17.

S. A. Miller and Gurley, 1890b, p. 17.

S. A. Miller and Gurley, 1891, p. 339.

= *Adinocrinus pentagonus* (S. A. Miller and Gurley, 1890)

Moore and Plummer, 1940, pp. 71, 240.

Upper Coal Measures [Pennsylvanian].

Kansas City, Missouri; Gurley Collection.

Hydreionocrinus spinosus Wood, 1909

“Cotypes:” UC 6408, two specimens.

See: *Hydreionocrinus depressus* Wetherby, 1881

Hydreionocrinus subsinuatus S. A. Miller and Gurley, 1894

Referred specimen: UC 6185.

S. A. Miller and Gurley, 1894a, pp. 40–41, pl. 6, figs. 13, 14.

= *Laudonocrinus subsinuatus* (S. A. Miller and Gurley, 1894)

Moore and Plummer, 1940, pp. 174–176.

Upper Coal Measures [S. A. Miller and Gurley]; undetermined stratigraphic level of the Missouri Series [Moore and Plummer].

Kansas City, Missouri; Gurley Collection.

Remarks: UC 6185 is one of two original specimens.

H. subsinuatus = *Plaxocrinus subsinuatus* (S. A. Miller and Gurley, 1894)

Moore and Plummer, 1938, p. 279.

Hydreionocrinus uddeni S. Weller, 1909

Holotype: original designation, UC 13363.

S. Weller, 1909a, pp. 624–625, pl. 1, figs. 1, 2.

= *Neozeacrinus uddeni* (S. Weller, 1909)

Moore and Plummer, 1940, pp. 162–165, text fig. 28, pl. 6, figs. 8a, 8b.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 167, pl. 63, figs. 22a, 22b.

Referred specimens: UC 13363A–C, three specimens.

S. Weller, 1909a, pp. 624–625, pl. 1, figs. 3–5.

= *Neozeacrinus uddeni* (S. Weller, 1909)

Moore and Plummer, 1940, pp. 162–165.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Hydreionocrinus wetherbyi Wachsmuth and Springer, 1886

See: *Hydreionocrinus armiger* (Meek and Worthen, 1870)

Hydreionocrinus sp.

Referred specimen: UC 16185.

Mather, 1915, p. 102, pl. 2, figs. 5, 5a.

= *Sciadioocrinus? crassacanthus* Moore and Plummer, 1938

Moore and Plummer, 1938, pp. 276-277.

Pennsylvanian, Brentwood Limestone.

Mather, 1915 station 147, near Fayetteville, Arkansas; Mather, donor.

Referred specimen: UC 16186.

Mather, 1915, p. 102, pl. 2, figs. 6, 6a.

= *Sciadioocrinus? crassacanthus* Moore and Plummer, 1938

Moore and Plummer, 1938, pp. 276-277.

Pennsylvanian. Morrow Formation.

Mather, 1915 station 301, near Ft. Gibson, Oklahoma; Mather, donor.

Hypselocrinus arcanus (S. A. Miller and Gurley, 1890)

See: *Poteroocrinus arcanus* S. A. Miller and Gurley, 1890

Hypselocrinus boonvillensis (S. A. Miller, 1891)

See: *Poteroocrinus boonvillensis* S. A. Miller, 1891

Hypselocrinus indianensis (Meek and Worthen, 1865)

See: *Poteroocrinus crawfordsvillensis* S. A. Miller and Gurley, 1890

Hypselocrinus maccabei (S. A. Miller and Gurley, 1894)

See: *Poteroocrinus hammondi* S. A. Miller and Gurley, 1894

Poteroocrinus maccabei S. A. Miller and Gurley, 1894

Poteroocrinus maccabei var. *decrepitus* S. A. Miller and Gurley, 1894

Hypselocrinus neglectus (S. A. Miller and Gurley, 1896)

See: *Poteriocrinus neglectus* S. A. Miller and Gurley, 1896

Ichthyocrinus clarkensis S. A. Miller and Gurley, 1894

Holotype: UC 6446.

S. A. Miller and Gurley, 1894c, pp. 43–44, pl. 4, fig. 5.

= *Metichthyocrinus clarkensis* (S. A. Miller and Gurley, 1894)

Springer, 1920, pp. 323–324, pl. 39, fig. 8.

Mississippian, Keokuk or Warsaw Group.

Clark County, Indiana; Gurley Collection.

Ichthyocrinus corbis Winchell and Marcy, 1865

Referred specimen: UC 51654.

Winchell and Marcy, 1865, pp. 89–90.

Silurian, Niagara Limestone.

Bridgeport Quarry, Chicago, Illinois.

Remarks: UC 51654 is labeled “type” and may be one of the specimens originally used by Winchell and Marcy.

Ichthyocrinus magnaradialis S. Weller, 1903

Holotype: original designation, UC 54081.

S. Weller, 1903, p. 299, pl. 33, fig. 5.

= *Lecanocrinus magnaradialis* (S. Weller, 1903)

Springer, 1920, p. 143, pl. 3, figs. 26a–26c.

Devonian, Lower Helderberg, New Scotland Beds.

Nearpass Quarry, New Jersey; New Jersey Collection.

Ichthyocrinus spinosulus S. A. Miller and Gurley, 1894

Holotype: UC 6443.

S. A. Miller and Gurley, 1894c, pp. 44–45, pl. 5, fig. 4.

= *Wachsmuthicrinus spinosulus* (S. A. Miller and Gurley, 1894)

Springer, 1920, pp. 328–329, pl. 43, fig. 11.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 181, pl. 68, fig. 8.

Mississippian, Keokuk Group, Knobstone.

Near Henryville [catalogue]; Clark County, Indiana [published].

Indianocrinus punctatus S. A. Miller and Gurley, 1895

Holotype: UC 6125.

S. A. Miller and Gurley, 1895b, pp. 83–84, pl. 5, figs. 8–13.

S. A. Miller, 1897, p. 748, text fig. 1362.

= *Hyboocrinus punctatus* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 515.

Silurian, Niagara.

St. Paul, Indiana; Gurley Collection.

Intermediacrinus basalotumidus (Sutton and Winkler, 1940)

See: *Ageneracrinus basalotumidus* Sutton and Winkler, 1940

Intermediacrinus platycalyx (Sutton and Winkler, 1940)

See: *Ageneracrinus platycalyx* Sutton and Winkler, 1940

Intermediacrinus spartarius (S. A. Miller, 1879)

See: *Eupachycrinus spartarius* S. A. Miller, 1879

Intermediacrinus tumidus Sutton and Winkler, 1940

Holotype: original designation, UC 19134.

Sutton and Winkler, 1940, pp. 561–562, pl. 68, figs. 15, 16.

= *Eupachycrinus tumidus* (Sutton and Winkler, 1940)

Bassler and Moodey, 1943, p. 472.

Mississippian, Chester Group.

Locality unknown; Gurley Collection.

Intermediacrinus variabilis Sutton and Winkler, 1940

Holotype: original designation, UC 51783 [not UC 39404].

Sutton and Winkler, 1940, p. 562, pl. 67, fig. 11.

= *Eupachycrinus variabilis* (Sutton and Winkler, 1940)

Bassler and Moodey, 1943, p. 473.

Mississippian, Paint Creek Formation.

S. Weller locality W546, Columbia, Illinois.

Iocrinus subcrassus (Meek and Worthen, 1865)

See: *Heterocrinus?* (*Iocrinus*) *polyxo* Hall, 1866

Lampterocrinus? dubius S. Weller, 1900

Holotype, not designated, to be selected from UC 6648.

Referred specimens: UC 6648, three specimens.

S. Weller, 1900, pp. 84–85, pl. 2, figs. 6, 7.

Silurian, Niagaran.

Lemont, Illinois; J. H. Ferriss, donor.

Lampterocrinus inflatus (Hall, 1861)

Referred specimen: UC 6585.

S. Weller, 1900, pp. 81–82, pl. 2, fig. 3.

Silurian, Niagaran.

Bridgeport, Illinois (now in Chicago); gift of H. H. Hindshaw.

Referred specimen: UC 6647.

S. Weller, 1900, pp. 81–82, pl. 2, fig. 2.

Silurian, Niagaran.

Romeo, Illinois; J. H. Ferriss, donor.

Lampterocrinus parvus Hall, 1879

Holotype: UC 11994.

Hall, 1879a, p. 9 [not seen].

Hall, 1882a, p. 65.

Hall, 1882b, p. 272, pl. 15, fig. 6.

Silurian, Niagara Group.

Waldron, Indiana; Hall Collection.

Lampterocrinus robustus S. Weller, 1900

Holotype, not designated, to be selected from UC 6649.

Referred specimens: UC 6649, three specimens.

S. Weller, 1900, pp. 82–83, pl. 2, figs. 4, 5.

Fisher, 1925, p. 42, pl. 5, fig. 7.

Silurian, Niagaran.

Romeo, Illinois; J. H. Ferriss, donor.

Lampterocrinus? subglobosus S. Weller, 1900

Holotype: UC 6598.

S. Weller, 1900, pp. 83–84, pl. 3, fig. 5.

Silurian, Niagaran.

Bridgeport or Hawthorne (now both in Chicago), Illinois; gift of H. H. Hindshaw.

Laudonocrinus subsinuatus (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus subsinuatus* S. A. Miller and Gurley, 1894

Lecanocrinus greenei S. A. Miller and Gurley, 1896

Holotype: UC 6029.

S. A. Miller and Gurley, 1896a, p. 52, pl. 3, fig. 28.

S. A. Miller, 1897, p. 748, text fig. 1363.

= *Anisocrinus greenei* (S. A. Miller and Gurley, 1896)

Springer, 1906, p. 480, pl. 6, fig. 11.

Springer, 1920, pp. 163–164, pl. 10, fig. 8 [not 9].

Springer, 1926a, p. 66, pl. 20, fig. 17.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 181, pl. 54, fig. 8.

Silurian, Niagara Group.

Near Louisville, Kentucky; Gurley Collection.

Lecanocrinus magnaradialis (S. Weller, 1903)

See: *Ichthyocrinus magnaradialis* S. Weller, 1903

Lecanocrinus oswegoensis S. A. Miller and Gurley, 1894

Holotype: UC 6123.

S. A. Miller and Gurley, 1894a, pp. 33–34, pl. 3, figs. 15–17.

= *Anisocrinus oswegoensis* (S. A. Miller and Gurley, 1894)

Springer, 1906, p. 480, pl. 6, fig. 12.

Springer, 1920, p. 164, pl. 10, figs. 7a–7c.

Springer, 1926a, p. 66, pl. 20, fig. 18.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 181, pl. 54, fig. 7.

Silurian, Niagara Group.

Oswego, Illinois; Gurley Collection.

Lecanocrinus pusillus (Hall, 1863)

See: *Lecanocrinus tennesseensis* S. A. Miller, 1891

Lecanocrinus tennesseensis S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6124.

Referred specimens: UC 6124, three specimens.

S. A. Miller, 1891a, p. 41, pl. 7, figs. 7, 8.

S. A. Miller, 1892a, p. 651, pl. 7, figs. 7, 8.

= *Lecanocrinus pusillus* (Hall, 1863)

Bassler, 1915, p. 693.

Silurian, Niagara Group.

Sixteen miles west of Nashville, Tennessee; Gurley Collection.

Lecanocrinus waukoma (Hall, 1868)

Referred specimens: UC 4631, three specimens.

S. Weller, 1900, pp. 148–149, pl. 15, figs. 6–10.

Springer, 1920, pp. 140–141, pl. 3, fig. 25.

Silurian, Niagaran.

Chicago, Illinois.

Lichenocrinus affinis S. A. Miller, 1882

Holotype: lost.

Referred specimens: UC 8810, four specimens.

S. A. Miller, 1882a, pp. 229–230.

Foerste, 1914, p. 478.

= *Lichenocrinus crateriformis* Hall, 1866

Faber, 1929, pp. 470–473, pl. 32, figs. 5, 6.

Ordovician, Cincinnati (Waynesville).

Near Lebanon, Ohio; Faber Collection.

Remarks: The holotype, which was one of the specimens numbered UC 8810, is lost.

Lichenocrinus crateriformis Hall, 1866

Referred specimen: UC 986.

Meek, 1873, pp. 51–52, pl. 3, figs. 1L–1P.

= *Lichenocrinus* sp.

Faber, 1929, p. 457, pl. 27, figs. 7, 8.

Ordovician, Cincinnati, Eden.

Cincinnati, Ohio; James Collection.

See also: *Lichenocrinus affinis* S. A. Miller, 1882

Lichenocrinus dubius S. A. Miller, 1880

Holotype: UC 8783.

S. A. Miller, 1880, pp. 234-235, pl. 7, figs. 5, 5a.

Faber, 1929, pp. 464-466, pl. 30, fig. 2.

Ordovician, Cincinnati, Eden (Economy).

Cincinnati, Ohio; Faber Collection.

Lichenocrinus dyeri Hall, 1866

Referred specimen: UC 9573.

Faber, 1929, p. 457, pl. 27, fig. 6.

Ordovician, Cincinnati, Eden.

Cincinnati, Ohio; Faber Collection.

Referred specimens: UC 34407, six specimens.

Faber, 1929, pp. 469-470, pl. 34, fig. 11.

Ordovician, Maysville, Corryville.

Cincinnati, Ohio; Faber Collection.

Lichenocrinus minutus Foerste, 1924

Holotype: original designation, P 16885.

Foerste *in* Slocom and Foerste, 1924, pp. 353-355, pl. 30, fig. 19.

Ordovician, Lower Maquoketa.

Clermont, Iowa; collected by Slocom.

Referred specimen: UC 27043.

Foerste *in* Slocom and Foerste, 1924, pp. 353-355, pl. 30, fig. 18.

Ordovician, Lower Maquoketa.

Clermont, Iowa; gift of A. G. Becker.

Lichenocrinus nodosus Faber, 1929

See: *Lichenocrinus tuberculatus* S. A. Miller, 1874

Lichenocrinus pattersoni S. A. Miller, 1879

Holotype: UC 8842.

S. A. Miller, 1879b, p. 118, pl. 10, figs. 6, 6a.

Faber, 1929, pp. 461-462, pl. 30, fig. 6.

Ordovician, "Found with rocks of the age of the Utica Shale, but . . . may have been transported there, from rocks of the age of the Hudson River Group." [S. A. Miller]; Cincinnati, Upper Trenton [museum catalogue]; Cynthiana [Faber].

"On the Kentucky shore, opposite the foot of Fifth Street, Cincinnati, Ohio." [S. A. Miller]; Ludlow, Kentucky [museum

catalogue]; "River quarries of West Covington, Kentucky"
[Faber].

Lichenocrinus tuberculatus S. A. Miller, 1874

Referred specimens: UC 8826, three specimens.

S. A. Miller, 1882a, p. 229, pl. 9, figs. 6, 6a.

= *Lichenocrinus nodosus* Faber, 1929

Faber, 1929, pp. 476, 477-478, pl. 33, fig. 12.

Ordovician, Cincinnati, Richmond, Whitewater.

Osgood, Indiana on flat near old road to Versailles, Indiana;

Faber Collection.

Lichenocrinus sp.

See: *Lichenocrinus crateriformis* Hall, 1866

Linocrinus lautus (S. A. Miller and Gurley, 1896)

See: *Poteriocrinus lautus* S. A. Miller and Gurley, 1896

Linocrinus parvaradianalis (Sutton and Winkler, 1940)

See: *Ageneracrinus parvaradianalis* Sutton and Winkler, 1940

Linocrinus praemorsus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus praemorsus* S. A. Miller and Gurley, 1890

Lobocrinus longirostris (Hall, 1858)

See: *Actinocrinus longirostris* Hall, 1858

Lyriocrinus melissa (Hall, 1863)

Referred specimens: UC 6396, two specimens.

Wachsmuth and Springer, 1897, p. 263, pl. 11, figs. 4c, 4e.

Silurian, Niagara Group.

Waldron, Indiana; Gurley Collection.

Referred specimen: P 5643.

S. Weller, 1900, pp. 91-92, pl. 3, figs. 7, 8.

Silurian, Niagara Group.

Chicago, Illinois.

Lyriocrinus sculptilis S. A. Miller, 1882

Holotype: UC 6285.

S. A. Miller, 1882b, pp. 83-84, pl. 3, figs. 6-6b.

= *Lyriocrinus sculptus* S. A. Miller, 1882

S. A. Miller, 1882c, p. 117.

= *Archaeocrinus sculptus* (S. A. Miller, 1882)

S. A. Miller, 1889, p. 225, text fig. 250.

= *Diaboloocrinus vesperalis* (White, 1880)

Wachsmuth and Springer, 1897, pp. 251-252.

Silurian, Niagara Group [S. A. Miller]; Ordovician, Trenton Group [Wachsmuth and Springer].

Tennessee [S. A. Miller]; Knoxville, Tennessee [Wachsmuth and Springer]; Gurley Collection.

Lyriocrinus sculptus S. A. Miller, 1882

See: *Lyriocrinus sculptilis* S. A. Miller, 1882

Macrocrinus jucundus (S. A. Miller and Gurley, 1890)

See: *Batocrinus jucundus* S. A. Miller and Gurley, 1890

Macrocrinus mundulus (Hall, 1860)

Referred specimens: UC 8944A and B, two specimens.

Van Sant *in* Van Sant and Lane, 1964, p. 117.

Referred specimen: UC 51839A [not UC 5138A].

Van Sant *in* Van Sant and Lane, 1964, p. 117.

Mississippian, Keokuk.

Crawfordsville, Indiana.

See also: *Batocrinus jucundus* S. A. Miller and Gurley, 1890

Macrocrinus verneuillianus (Shumard, 1855)

See: *Batocrinus verneuillianus* (Shumard, 1855)

Macrostylocrinus indianensis S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6122.

Referred specimens: UC 6122, three specimens.

S. A. Miller and Gurley, 1895a, pp. 33-34, pl. 3, fig. 23.

= ?*Patelliocrinus indianensis* (S. A. Miller and Gurley, 1895)

Springer, 1926a, pp. 27, 32.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Macrostylocrinus obconicus S. Weller, 1900

Holotype: UC 6596.

S. Weller, 1900, pp. 95–96, pl. 4, figs. 6, 7.

Silurian, Niagaran.

Bridgeport, Illinois (now in Chicago); gift of H. H. Hindshaw.

Macrostylocrinus subglobosus S. Weller, 1900

Holotype, not designated, to be selected from UC 6597.

Referred specimens: UC 6597, two specimens.

S. Weller, 1900, p. 96, pl. 4, fig. 8.

Silurian, Niagaran.

Bridgeport, Illinois (now in Chicago); gift of H. H. Hindshaw.

Macrostylocrinus waldronensis (S. A. Miller and Dyer, 1878)

See: *Cyathocrinus waldronensis* S. A. Miller and Dyer, 1878

Maquoketocrinus ornatus Slocum, 1924

Holotype: original designation, P 16940.

Slocum *in* Slocum and Foerste, 1924, pp. 330–331, pl. 30, figs. 12, 13.

Ordovician, Lower Maquoketa Shale.

Clermont, Iowa; collected and donated by A. G. Becker.

Mariacrinus pachydactylus (Conrad, 1841)

Referred specimens: UC 10877, two specimens.

Hall, 1859, pp. 107–109.

Hall, 1861a, pl. 3, figs. 1, 2.

= *Melocrinus pachydactylus* (Conrad, 1841)

Wachsmuth and Springer, 1897, pp. 296–297, pl. 24, fig. 4a.

Grabau and Shimer, 1910, p. 556, text fig. 1889.

Goldring, 1923, pp. 119–122, pl. 8, figs. 1, 2.

= *Ctenocrinus pachydactylus* (Conrad, 1841)

Kirk, 1929a, p. 342.

Devonian, Helderberg.

Schoharie, New York; Hall Collection.

Marsupiocrinus chicagoensis S. Weller, 1900

Holotype: UC 6582.

S. Weller, 1900, pp. 138-139, pl. 14, figs. 2, 3.

Silurian, Niagaran.

Chicago, Illinois; gift of H. H. Hindshaw.

Marsupiocrinus sp.

Referred specimen: P 11945.

Paul, 1970, pp. 461-469, text figs. 1-9.

Silurian, Niagaran (probably Brownsport Formation).

Deatur County, Tennessee.

Megistocrinus evansii (Owen and Shumard, 1850)

See: *Actinocrinus evansii* Owen and Shumard, 1850

Megistocrinus expansus S. A. Miller and Gurley, 1894

Holotype, not designated, to be selected from UC 6108.

Referred specimens: UC 6108, two specimens.

S. A. Miller and Gurley, 1894b, pp. 35-37, pl. 3, figs. 18-21.

Devonian, Hamilton Group.

Louisville, Kentucky; Gurley Collection.

Megistocrinus indianensis S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6109.

Referred specimens: UC 6109, two specimens.

S. A. Miller and Gurley, 1896b, pp. 27-29, pl. 2, figs. 1-3.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Megistocrinus infelix Winchell and Marcy, 1865

Holotype: UC 51656.

Winchell and Marcy, 1865, pp. 110-111, pl. 2, fig. 7.

= *Periechocrinus infelix* (Winchell and Marcy, 1865)

Wachsmuth and Springer, 1897, pp. 525-526.

= *Periechocrinites infelix* (Winchell and Marcy, 1865)

Bassler and Moodey, 1943, p. 598.

Silurian, Niagara Limestone.

Bridgeport Quarry, Chicago, Illinois.

Megistocrinus latus (Hall, 1858)

Referred specimen: UC 21220.

Wachsmuth and Springer, 1897, pp. 538–539, pl. 48, figs. 3a, 3b.

Thomas, 1924, pp. 452–454.

Devonian, Hamilton Group [published]; Cedar Valley [catalogue].
New Buffalo, Iowa [published]; Buffalo, Iowa [catalogue]; Tiffany
Collection.

Megistocrinus necis Winchell and Marcy, 1865

Referred specimen: UC 51657.

Winchell and Marcy, 1865, p. 110, pl. 2, fig. 6a.

= *Periechocrinus necis* (Winchell and Marcy, 1865)

Wachsmuth and Springer, 1885, p. 328.

= *Periechocrinites necis* (Winchell and Marcy, 1865)

Bassler and Moodey, 1943, pp. 599–600.

Silurian, Niagara Limestone.

Bridgeport Quarry, Chicago, Illinois.

Remarks: UC 51657 is one of the original specimens used by
Winchell and Marcy.

Megistocrinus pileatus S. A. Miller, 1879

Holotype, not designated, to be selected from UC 6165.

Referred specimens: UC 6165, two specimens.

S. A. Miller, 1879b, pp. 114–116, pl. 10, figs. 1a, 1b.

S. A. Miller, 1889, p. 260, text figs. 359–360.

= *Megistocrinus spinosulus* Lyon, 1861

Wachsmuth and Springer, 1897, pp. 544–545.

Devonian, Upper Helderberg or Corniferous Limestone.

Near Columbus, Ohio; Gurley Collection.

Megistocrinus spinosulus Lyon, 1861

See: *Megistocrinus pileatus* S. A. Miller, 1879

Melocrinites obpyramidalis (Winchell and Marcy, 1865)

See: *Actinocrinus obpyramidalis* Winchell and Marcy, 1865

Melocrinus obpyramidalis (Winchell and Marcy, 1865)

See: *Actinocrinus obpyramidalis* Winchell and Marcy, 1865

Melocrinus pachydactylus (Conrad, 1841)

See: *Mariaocrinus pachydactylus* (Conrad, 1841)

Melocrinus sampsoni S. A. Miller and Gurley, 1895

Holotype: UC 6958.

S. A. Miller and Gurley, 1895b, pp. 55–56, pl. 2, figs. 27–29.

Wilson, 1916, p. 509 (probably *Actinoocrinus chouteauensis* S. A. Miller), pl. 2, fig. 8.

= *Actinoocrinus milleri* Peck and Keyte, 1938

Peck and Keyte *in* Branson, 1938, pp. 83–84, pl. 27, figs. 14, 15.

= *Aacoocrinus sampsoni* (S. A. Miller and Gurley, 1895)

Bowsher, 1955, p. 7.

Brower, 1967, pp. 685–686, pl. 76, fig. 10.

Mississippian, Chouteau Limestone.

Sedalia, Missouri; Sampson Collection.

Melocrinus verneuili (Troost, 1850)

See: *Actinoocrinus obpyramidalis* Winchell and Marey, 1865

Merocrinus curtis [sic] (Ulrich, 1879)

Referred specimen: UC 8884.

Faber, 1886, p. 19, pl. 1, fig. 2.

= *Merocrinus curtus* (Ulrich, 1879)

S. A. Miller, 1889, p. 262, text fig. 367.

Ordovician, Cincinnati Group.

Forty feet above low-water mark of the Ohio River at Ludlow, Kentucky; Faber Collection.

Merocrinus curtus (Ulrich, 1879)

See: *Merocrinus curtis* [sic] (Ulrich, 1879)

Mespilocrinus blairi (S. A. Miller and Gurley, 1895)

Referred specimen: UC 9634.

Springer, 1920, p. 196, pl. 5, figs. 18, 19.

Peck and Keyte *in* Branson, 1938, p. 102, pl. 27, figs. 7–9.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 181, pl. 68, figs. 12a, 12b.

Mississippian, Chouteau Limestone.

Pettis County, Missouri; Sampson Collection.

Mespilocrinus konincki Hall, 1860

Holotype: UC 12924.

Hall, 1860a, p. 69, text fig.

Hall, 1872a, pl. 6, fig. 9.

Springer, 1920, p. 194, pl. 5, fig. 4.

Peck and Keyte *in* Branson, 1938b, pp. 101–102.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Metichthyocrinus clarkensis (S. A. Miller and Gurley, 1894)

See: *Ichthyocrinus clarkensis* S. A. Miller and Gurley, 1894

Missouricrinus admonitus S. A. Miller, 1891

Holotype: UC 6990.

S. A. Miller, 1891b, pp. 31–32, pl. 4, figs. 11, 12.

= *Graphiocrinus admonitus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 496.

Mississippian, Burlington Group.

Sedalia, Missouri; Sampson Collection.

Mitrocrinus wetherbyi S. A. Miller and Gurley, 1894

Holotype: UC 3036.

S. A. Miller and Gurley, 1894c, pp. 22–23, pl. 2, figs. 4–6.

S. A. Miller, 1897, p. 748, text fig. 1364.

Ordovician, Trenton.

Knox County, Tennessee; Gurley Collection.

Remarks: Bassler and Moodey, 1943, p. 565, say the species is based on a six rayed individual and is probably an abnormal periecho crinitid or carpoecrinid.

Myelodactylus gorbyi S. A. Miller, 1891

Holotype: UC 6129.

S. A. Miller, 1891a, pp. 72–73, pl. 11, figs. 6, 7.

S. A. Miller, 1892a, pp. 682–683, pl. 11, figs. 6, 7.

S. A. Miller, 1897, p. 749, text fig. 1365.

Springer, 1926b, p. 16.

Silurian, Niagaran.

Nashville, Tennessee; Gurley Collection.

Remarks: Springer, 1926, p. 16, says there are two types and that the other one is referable to *M. ammonis*.

Neozeacrinus uddeni (S. Weller, 1909)

See: *Hydreionocrinus uddeni* S. Weller, 1909

Nunnacrinus pallubrum (S. A. Miller and Gurley, 1896)

See: *Actinocrinus pallubrum* S. A. Miller and Gurley, 1896

Nunnacrinus sampsoni (S. A. Miller and Gurley, 1896)

See: *Actinocrinus sampsoni* S. A. Miller and Gurley, 1896

Onychocrinus cantonensis S. A. Miller and Gurley, 1890

Holotype: UC 6268.

S. A. Miller and Gurley, 1890b, p. 41, pl. 7, fig. 9.

S. A. Miller and Gurley, 1891, p. 359, pl. 7, fig. 9.

= *Onychocrinus ulrichi* S. A. Miller and Gurley, 1890

Springer, 1920, pp. 425-430, pl. 66, fig. 9.

Mississippian, Keokuk Group.

Canton, Indiana; Gurley Collection.

Onychocrinus exculptus Lyon and Casseday, 1860

Referred specimens: UC 8929A-D, four specimens.

S. Weller, 1926, p. 491, text fig. (UC 8929A).

Van Sant *in* Van Sant and Lane, 1964, pp. 100-101, pl. 7, fig. 10 (UC 8929C).

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Onychocrinus parvus S. A. Miller and Gurley, 1894

Holotype: UC 6279.

S. A. Miller and Gurley, 1894a, p. 52, pl. 4, fig. 5.

Mississippian, Kaskaskia Group.

Shoals, Martin County, Indiana; Gurley Collection.

Onychocrinus pulaskiensis S. A. Miller and Gurley, 1895

Holotype: UC 6416.

S. A. Miller and Gurley, 1895a, p. 40, pl. 4, figs. 1, 2.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Onychocrinus ramulosus (Lyon and Casseday, 1859)

Referred specimen: UC 8930.

Van Sant *in* Van Sant and Lane, 1964, pp. 101–102.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Referred specimens: UC 51834A–F, six specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 101–102, pl. 6, figs. 2, 7.

Mississippian, Keokuk Group.

Hall locality 751, “Crawfordsville, Indiana. Mohr Collection.”; Hall Collection.

Onychocrinus ulrichi S. A. Miller and Gurley, 1890

Holotype: UC 6169.

S. A. Miller and Gurley, 1890a, pp. 17–18, pl. 3, figs. 2, 3.

S. A. Miller and Gurley, 1890b, pp. 17–18, pl. 3, figs. 2, 3.

S. A. Miller and Gurley, 1891, pp. 339–340, pl. 3, figs. 2, 3.

Springer, 1920, pp. 425–430, pl. 66, fig. 1.

Van Sant *in* Van Sant and Lane, 1964, p. 101, pl. 6, figs. 6, 8.

Mississippian, Keokuk Group.

Indian Creek [label]; Crawfordsville, [published] Indiana; Gurley Collection.

See also: *Onychocrinus cantonensis* S. A. Miller and Gurley, 1890

Pachylocrinus aequalis (Hall, 1861)

Referred specimens: UC 3215A and B, two specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 87–88.

Referred specimen: UC 51829.

Van Sant *in* Van Sant and Lane, 1964, pp. 87–88, pl. 4, fig. 3.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Referred specimens: UC 51826A–F, six specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 87–88.

Mississippian, Keokuk Group.

Hall locality 751, "Crawfordsville, Indiana. Mohr Collection.";
Hall Collection.

See also: *Scaphiocrinus gurleyi* White, 1878

Pachylocrinus arrosus (S. A. Miller and Gurley, 1894)

See: *Scaphiocrinus arrosus* S. A. Miller and Gurley, 1894

Pachylocrinus bellus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus bellus* S. A. Miller and Gurley, 1890

Pachylocrinus bonoensis (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus bonoensis* S. A. Miller and Gurley, 1890

Pachylocrinus boonvillensis (S. A. Miller, 1891)

See: *Scaphiocrinus boonvillensis* S. A. Miller, 1891

Pachylocrinus cachensis S. Weller, 1920

Holotype: original designation, UC 25382.

S. Weller, 1920, pp. 343–344, pl. 8, fig. 35.

= *Dasciocrinus cachensis* (S. Weller, 1920)

Bassler and Moodey, 1943, p. 404.

Referred specimen: UC 25382A.

S. Weller, 1920, pp. 343–344.

= *Dasciocrinus cachensis* (S. Weller, 1920)

Bassler and Moodey, 1943, p. 404.

Mississippian, Paint Creek Formation.

Cache River bluffs six miles south of Vienna, Johnson County,
Illinois; collected by S. Weller, 1913.

Pachylocrinus constrictus (S. A. Miller, 1891)

See: *Scaphiocrinus constrictus* S. A. Miller, 1891

Pachylocrinus disparilis (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus disparilis* S. A. Miller and Gurley, 1890

Pachylocrinus gibsoni (White, 1878)

See: *Scaphiocrinus gibsoni* White, 1878

Pachylocrinus gorbyi (S. A. Miller, 1891)

See: *Scaphiocrinus gorbyi* S. A. Miller, 1891

Pachylocrinus gurleyi (White, 1878)

See: *Scaphiocrinus gurleyi* White, 1878

Pachylocrinus lacunosus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus lacunosus* S. A. Miller and Gurley, 1890

Pachylocrinus legrandensis (S. A. Miller and Gurley, 1890)

See: *Poteriocrinus legrandensis* S. A. Miller and Gurley, 1890

Pachylocrinus manus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus manus* S. A. Miller and Gurley, 1890

Pachylocrinus martinensis (S. A. Miller and Gurley, 1894)

See: *Scaphiocrinus martinensis* S. A. Miller and Gurley, 1894

Pachylocrinus missouriensis (Shumard, 1857)

Referred specimen: UC 7999.

S. Weller, 1926, p. 490, text fig.

Mississippian, St. Louis Limestone.

Alton, Illinois; Gurley Collection.

Remarks: *P. missouriensis* = *Culmicrinus missouriensis* (Shumard 1857) Bassler and Moodey, 1943, p. 383.

Pachylocrinus repertus (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus repertus* S. A. Miller and Gurley, 1890

Pachylocrinus sampsoni (S. A. Miller, 1891)

See: *Scaphiocrinus sampsoni* S. A. Miller, 1891

Pachylocrinus spartarius (S. A. Miller and Gurley, 1890)

See: *Poteriocrinus genista* S. A. Miller and Gurley, 1890

Poteriocrinus scopae S. A. Miller and Gurley, 1890

Poteriocrinus spartarius S. A. Miller and Gurley, 1890

Pachylocrinus sp.

Referred specimen: UC 48289.

Easton, 1942, pl. 2, fig. 7.

Mississippian, Pitkin Formation.

South of Fayetteville, sec. 20, T.15N., R.30W., Arkansas; Easton Collection.

Paradelocrinus dubius (Mather, 1915)

See: *Delocrinus dubius* Mather, 1915

Parichthyocrinus crawfordsvillensis (S. A. Miller and Gurley, 1894)

See: *Tarocrinus crawfordsvillensis* S. A. Miller and Gurley, 1894

Parichthyocrinus subovatus (S. A. Miller and Gurley, 1890)

See: *Tarocrinus subovatus* S. A. Miller and Gurley, 1890

Parisiocrinus crawfordsvillensis (S. A. Miller, 1882)

See: *Poteriocrinus circumtextus* S. A. Miller and Gurley, 1894

Parisiocrinus subramosus (S. A. Miller and Gurley, 1894)

See: *Poteriocrinus circumtextus* S. A. Miller and Gurley, 1894

Parulocrinus blairi (S. A. Miller and Gurley, 1894)

See: *Ulocrinus blairi* S. A. Miller and Gurley, 1894

?Patelliocrinus indianensis (S. A. Miller and Gurley, 1895)

See: *Macrostylocrinus indianensis* S. A. Miller and Gurley, 1895

Pellecrinus hexadactylus (Lyon and Casseday, 1860)

Referred specimens: UC 8915, UC 8915A E, seven specimens.

Van Sant in Van Sant and Lane, 1964, p. 78, pl. 2, fig. 6.

Referred specimens: UC 18478A and B, two specimens.

Van Sant in Van Sant and Lane, 1964, p. 78, pl. 2, fig. 11.

Referred specimen: UC 51821.

Van Sant in Van Sant and Lane, 1964, p. 78.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Referred specimen: UC 51831 [not UC 51821].

Van Sant in Van Sant and Lane. 1964. p. 78. pl. 1. fig. 15.

Mississippian. Keokuk Group.

Hall locality 751. "Crawfordsville, Indiana. Mohr Collection.";
Hall Collection.

Pentaramicrinus altacalyx Sutton and Winkler, 1940

See: *Ageneracrinus altacalyx* Sutton and Winkler, 1940

Pentaramicrinus basalis Sutton and Winkler, 1940

See: *Ageneracrinus basalis* Sutton and Winkler, 1940

Pentaramicrinus compactus Sutton and Winkler, 1940

See: *Phanocrinus compactus* Sutton and Winkler, 1940

Pentaramicrinus fragosus Sutton and Winkler, 1940

See: *Phanocrinus fragosus* Sutton and Winkler, 1940

Pentaramicrinus gracilis (Wetherby, 1880)

Referred specimens: UC 9417, two specimens.

Sutton and Winkler, 1940. p. 558.

Burdick and Strimple. 1969. p. 9.

= *Phanocrinus gracilis* (Wetherby, 1880)

Bassler and Moodey. 1943. p. 608.

Referred specimen: UC 9422.

Sutton and Winkler, 1940. p. 558.

Burdick and Strimple. 1969. p. 9.

= *Phanocrinus gracilis* (Wetherby, 1880)

Bassler and Moodey. 1943. p. 608.

Mississippian. Chester.

Pulaski County, Kentucky; Gurley Collection.

Referred specimen: UC 25225.

Sutton and Winkler, 1940. p. 558.

Burdick and Strimple. 1969. p. 9.

= *Phanocrinus gracilis* (Wetherby, 1880)

Bassler and Moodey. 1943. p. 608.

Mississippian. Lower Okaw Limestone / Go'conda .

One mile north of Ruma, Illinois; collected by S. Weller, 1912.

See also: *Cromyocrinus gracilis* Wetherby, 1880

Pentaramicrinus magnaradianalis Sutton and Winkler,
1940

Zeacrinus pulaskiensis S. A. Miller and Gurley, 1895

Pentaramicrinus inflatoramus (Sutton and Winkler, 1940)

See: *Phanocrinus inflatoramus* Sutton and Winkler, 1940

Pentaramicrinus magnaradianalis Sutton and Winkler, 1940

Holotype: original designation, UC 45087 [not UC 39353].

Sutton and Winkler, 1940, p. 559, pl. 68, figs. 24, 25.

= *Phanocrinus magnaradianalis* (Sutton and Winkler, 1940)

Bassler and Moodey, 1943, p. 608.

= *Pentaramicrinus gracilis* (Wetherby, 1880)

Burdick and Strimple, 1969, p. 9.

Mississippian, Chester.

Pulaski County, Kentucky; Gurley Collection.

Pentaramicrinus nitidus (S. A. Miller and Gurley, 1894)

See: *Zeacrinus nitidus* S. A. Miller and Gurley, 1894

Pentaramicrinus petalloformis (Sutton and Winkler, 1940)

See: *Phanocrinus petalloformis* Sutton and Winkler, 1940

Pentaramicrinus pulaskiensis (S. A. Miller and Gurley, 1895)

See: *Zeacrinus pulaskiensis* S. A. Miller and Gurley, 1895

Periechocrinites gorbyi (S. A. Miller, 1891)

See: *Saccocrinus gorbyi* S. A. Miller, 1891

Periechocrinites infelix (Winchell and Marcy, 1865)

See: *Megistocrinus infelix* Winchell and Marcy, 1865

Periechocrinites necis (Winchell and Marcy, 1865)

See: *Megistocrinus necis* Winchell and Marcy, 1865

Periechocrinus necis (Winchell and Marcy, 1865)

Periechocrinites umbrosus (S. A. Miller and Gurley, 1895)

See: *Saccocrinus umbrosus* S. A. Miller and Gurley, 1895

Periechocrinites whitfieldi (Hall, 1868)

See: *Saccocrinus christyi* (Hall, 1863)

Periechocrinus chicagoensis S. Weller, 1900

Holotype, not designated, to be selected from UC 4632.

Referred specimens: UC 4632, two specimens.

S. Weller, 1900, p. 131, pl. 13, figs. 7, 8.

= *Habrocrinus benedicti* (S. A. Miller, 1892)

Slocum, 1908, p. 295.

= *Stiptocrinus chicagoensis* (S. Weller, 1900)

Kirk, 1946, p. 35.

Silurian, Niagaran.

Bridgeport (now in Chicago) and Joliet, Illinois.

Periechocrinus gorbyi (S. A. Miller, 1891)

See: *Saccocrinus gorbyi* S. A. Miller, 1891

Periechocrinus infelix (Winchell and Marcy, 1865)

See: *Megistocrinus infelix* Winchell and Marcy, 1865

Periechocrinus necis (Winchell and Marcy, 1865)

Referred specimen: UC 4634.

S. Weller, 1900, pp. 133–134, pl. 13, fig. 5.

Fisher, 1925, pl. 5, fig. 5.

= *Periechocrinites necis* (Winchell and Marcy, 1865)

Bassler and Moodey, 1943, pp. 599–600.

Silurian, Niagaran.

Chicago, Illinois.

See also: *Megistocrinus necis* Winchell and Marcy, 1865

(?) Periechocrinus ornatus (Hall, 1875)

See: *Saccocrinus benedicti* S. A. Miller, 1892

Periechocrinus umbrosus (S. A. Miller and Gurley, 1895)

See: *Saccocrinus umbrosus* S. A. Miller and Gurley, 1895

Periechocrinus whitfieldi (Hall, 1868)

See: *Saccocrinus christyi* (Hall, 1863)

Periglyptocrinus priscus (Billings, 1857)

See: *Glyptocrinus mercerensis* S. A. Miller and Gurley, 1894

Perimestocrinus excavatus (S. Weller, 1909)

See: *Delocrinus excavatus* S. Weller, 1909

Perimestocrinus granulifer [sic] (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus granuliferus* S. A. Miller and Gurley, 1894

Perimestocrinus granuliferus (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus granuliferus* S. A. Miller and Gurley, 1894

Perimestocrinus nodulifer [sic] (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus noduliferus* S. A. Miller and Gurley, 1894

Perimestocrinus noduliferus (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus noduliferus* S. A. Miller and Gurley, 1894

Perimestocrinus parvus (S. A. Miller and Gurley, 1894)

See: *Eupachyocrinus parvus* S. A. Miller and Gurley, 1894

Petalocrinus inferior Bather, 1898

Holotype: original designation, UC 4736.

Bather, 1898, pp. 426–427, text fig. 10, pl. 26, fig. 57.

Silurian, Niagara Limestone.

Near Monticello, Jones County, Iowa; collected by S. Weller, 1896.

Petalocrinus longus Bather, 1898

Holotype: original designation, UC 4512.

Bather, 1898, pp. 431–434, text figs. 11, 12, pl. 26, figs. 58–65.

Silurian, Niagara Limestone.

St. Paul, Indiana; Washburn Collection.

Petalocrinus mirabilis S. Weller and Davidson, 1896

Referred specimens: UC 4449, two specimens.

Bather, 1898, pp. 405–406, 427–431, pl. 26, figs. 38, 39, 44.

Referred specimen: UC 4735.

Bather, 1898, pp. 405–406, 427–431, pl. 26, figs. 37, 45–47.

Silurian, Niagaran.

Near Monticello, Iowa; collected by S. Weller, 1896.

Phacelocrinus vanhornei (Worthen, 1875)

See: *Poteriocrinus vanhornei* Worthen, 1875

Phacelocrinus wachsmuthi (Wetherby, 1880)

See: *Scytalocrinus wachsmuthi* Wetherby, 1880

Phacelocrinus wetherbyi (S. A. Miller, 1879)

See: *Poteriocrinus wetherbyi* S. A. Miller, 1879

Phanocrinus bellulus S. A. Miller and Gurley, 1894

See: *Zeacrinus bellulus* S. A. Miller and Gurley, 1894

Phanocrinus compactus Sutton and Winkler, 1940

Holotype: original designation, UC 30244.

Sutton and Winkler, 1940, p. 555, pl. 67, figs. 7, 8.

= *Pentaramicrinus compactus* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 9.

Mississippian, Golconda Limestone.

Near Golconda, Illinois; Chaney Collection no. 13.

Phanocrinus cf. **P. cooksoni** Laudon, 1941

Referred specimen: UC 48288.

Easton, 1942, pl. 2, fig. 16.

Mississippian, Pitkin Formation.

Quarry in road cut 0.52 miles east of P. O. at Leslie, Arkansas;

Easton Collection.

Phanocrinus cylindricus (S. A. Miller and Gurley, 1894)

See: *Zeacrinus cylindricus* S. A. Miller and Gurley, 1894

Phanocrinus fragosus Sutton and Winkler, 1940

Referred specimens: UC 30083, four specimens.

Sutton and Winkler, 1940, p. 557.

= *Pentaramicrinus fragosus* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 9.

Mississippian, Renault Limestone.

S. Weller locality W568, three miles east of Waterloo, Illinois; collected by S. Weller, 1911.

Phanocrinus gracilis (Wetherby, 1880)

See: *Cromyocrinus gracilis* Wetherby, 1880

Pentaramicrinus gracilis (Wetherby, 1880)

Phanocrinus inflatoramus Sutton and Winkler, 1940

Holotype: original designation, UC 9416.

Sutton and Winkler, 1940, pp. 555-556, pl. 67, figs. 14, 15.

= *Pentaramicrinus inflatoramus* (Sutton and Winkler, 1940)

Burdick and Strimple, 1969, p. 9.

Mississippian, Chester.

Pulaski County, Kentucky; Gurley Collection.

Phanocrinus magnaradianalis (Sutton and Winkler, 1940)

See: *Pentaramicrinus magnaradianalis* Sutton and Winkler, 1940

Phanocrinus maniformis (Yandell and Shumard, 1847)

Referred specimen: UC 19133.

Sutton and Winkler, 1940, p. 554, pl. 67, figs. 3, 4.

Mississippian, Chester.

Dover Hill, Martin County, Indiana; Gurley Collection.

Phanocrinus nitidus (S. A. Miller and Gurley, 1894)

See: *Zeacrinus nitidus* S. A. Miller and Gurley, 1894

Phanocrinus parvaramus Sutton and Winkler, 1940

Holotype: original designation, UC 9414.

Sutton and Winkler, 1940, p. 556, pl. 67, figs. 9, 10.

Mississippian, Chester, probably Glen Dean Formation.

Pulaski County, Kentucky; Gurley Collection.

See also: *Ageneracrinus parvabasalis* Sutton and Winkler, 1940

Phanocrinus petalloformis Sutton and Winkler, 1940

Holotype: original designation, UC 26923.

Sutton and Winkler, 1940, p. 557, pl. 68, figs. 5, 6.

= *Pentaramicrinus petalloformis* (Sutton and Winkler, 1940)
Burdick and Strimple, 1969, p. 9.

Mississippian, Paint Creek Shale.

One and one-fourth miles northwest of Floraville, Illinois; collected by S. Weller, 1911.

Phanocrinus supratumulosus Sutton and Winkler, 1940

Holotype: original designation, UC 19132.

Sutton and Winkler, 1940, pp. 556–557, pl. 68, figs. 9, 10.

= *Staphylocrinus supratumulosus* (Sutton and Winkler, 1940)
Burdick and Strimple, 1969, p. 11, pl. 1, fig. 9.

Mississippian, Chester.

Randolph County, Illinois; Gurley Collection.

Phialocrinus americanus S. Weller, 1909

Holotype: original designation, UC 13369.

S. Weller, 1909b, pp. 625–626, pl. 1, figs. 8, 9.

= *Ulocrinus americanus* (S. Weller, 1909)

Moore and Plummer, 1940, pp. 338–340, text fig. 67, pl. 19,
fig. 6.

Permian, Cibolo Limestone, lower brecciated bed.

In the east bluff of a Sier a Alta Creek, three miles north of Shafter and one-half mile below Cibolo ranch, Presidio County, Texas; J. A. Udden, donor.

Phialocrinus basiliscus [sic] (S. A. Miller and Gurley, 1890)

See: *Aesiocrinus basilicus* S. A. Miller and Gurley, 1890

Phialocrinus harii (S. A. Miller and Gurley, 1890)

See: *Aesiocrinus harii* S. A. Miller and Gurley, 1890

Phialocrinus magnificus (S. A. Miller and Gurley, 1890)

See: *Aesiocrinus magnificus* S. A. Miller and Gurley, 1890

Philocrinus notatus (S. A. Miller and Gurley, 1896)

See: *Scaphiocrinus notatus* S. A. Miller and Gurley, 1896

Physetocrinus ornatus (Hall, 1858)

See: *Actinocrinus brittsi* S. A. Miller, 1892

Physetocrinus sampsoni S. A. Miller and Gurley, 1896

Holotype: UC 6989.

S. A. Miller and Gurley, 1896c, pp. 14–15, pl. 1, figs. 5–7.

S. A. Miller, 1897, p. 749, text fig. 1367.

Mississippian, Burlington Limestone

Sedalia, Missouri; Sampson Collection.

Pisocrinus baccula S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6121.

Referred specimens: UC 6121, three specimens.

S. A. Miller and Gurley, 1895b, pp. 79–80, pl. 5, figs. 23–26.

S. A. Miller, 1897, p. 749, text fig. 1368.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Pisocrinus benedicti S. A. Miller, 1891

Referred specimens: P 8481, five specimens.

Slocum, 1908, pp. 279–280, pl. 84, figs. 10, 11.

Silurian, Niagaran Limestone.

In spoil heaps of the Chicago Drainage Canal near Lemont, Illinois; collected by Slocum, 1905.

Pisocrinus gemmiformis S. A. Miller, 1879

Referred specimens: P 8890, ten specimens.

Slocum, 1908, pp. 278–279, pl. 84, figs. 3, 4.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal, near Lemont, Illinois; collected by Slocum, 1906.

Remarks: The figures do not correspond exactly to any of the specimens.

Pisocrinus quinquelobus Bather, 1893

Referred specimens: P 8827, three specimens.

Slocum, 1908, pp. 280–281, pl. 84, figs. 5–7.

Silurian, Niagaran Limestone.

Romeo, Illinois; collected by Slocum, 1906.

Platycrinites absentivus (S. A. Miller, 1891)

See: *Platycrinus absentivus* S. A. Miller, 1891

Platycrinites aequiternus (S. A. Miller, 1891)

See: *Platycrinus aequiternus* S. A. Miller, 1891

Platycrinites allophylus (S. A. Miller, 1891)

See: *Platycrinus allophylus* S. A. Miller, 1891

Platycrinites americanus (Owen and Shumard, 1852)

See: *Platycrinus americanus* Owen and Shumard, 1852

Platycrinus broadheadi S. A. Miller, 1891

Platycrinites annosus (S. A. Miller, 1891)

See: *Platycrinus annosus* S. A. Miller, 1891

Platycrinites augusta (Slocum, 1908)

See: *Platycrinus augusta* Slocum, 1908

Platycrinites blairi (S. A. Miller, 1891)

See: *Platycrinus blairi* S. A. Miller, 1891

Platycrinites bonoensis (White, 1878)

See: *Platycrinus aeternalis* S. A. Miller, 1891

Platycrinus bonoensis White, 1878

Platycrinus caducus S. A. Miller, 1892

Platycrinites boonvillensis (S. A. Miller, 1891)

See: *Platycrinus boonvillensis* S. A. Miller, 1891

Platycrinites brittsi (S. A. Miller, 1891)

See: *Platycrinus brittsi* S. A. Miller, 1891

Platycrinites burlingtonensis (Owen and Shumard, 1850)

See: *Platycrinus burlingtonensis* Owen and Shumard, 1850

Platycrinus lautus S. A. Miller, 1891

Platycrinites concinnus (S. A. Miller, 1891)

See: *Platycrinus concinnus* S. A. Miller, 1891

Platycrinites discoideus (Owen and Shumard, 1850)

See: *Platycrinus corrugatus* Owen and Shumard, 1850
Platycrinus discoideus Owen and Shumard, 1850

Platycrinites faberi (S. A. Miller, 1889)

See: *Platycrinus faberi* S. A. Miller, 1889

Platycrinites germanus (S. A. Miller and Gurley, 1895)

See: *Platycrinus germanus* S. A. Miller and Gurley, 1895

Platycrinites hemisphericus (Meek and Worthen, 1865)

Referred specimen: UC 51850.

Van Sant *in* Van Sant and Lane, 1964, pp. 125–126.

Referred specimen: UC 51851.

Van Sant *in* Van Sant and Lane, 1964, pp. 125–126.

Referred specimen: UC 51853.

Van Sant *in* Van Sant and Lane, 1964, pp. 125–126, pl. 8, fig. 9.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Referred specimen: UC 51852.

Van Sant *in* Van Sant and Lane, 1964, pp. 125–126, pl. 8,
fig. 17.

Mississippian, Keokuk Group.

Hall locality 751, "Crawfordsville, Indiana. Mohr Collection.";
Hall Collection.

Platycrinites huntsvillae (Troost *in* Wachsmuth and Springer,
1897)

See: *Platycrinus alabamensis* S. A. Miller, 1891

Platycrinus penicillus Meek and Worthen, 1860

Platycrinites ollicula (S. A. Miller, 1891)

See: *Platycrinus ollicula* S. A. Miller, 1891

Platycrinites pentagonus (S. A. Miller, 1891)

See: *Platycrinus pentagonus* S. A. Miller, 1891

Platycrinites planus (Owen and Shumard, 1850)

See: *Platycrinus planus* Owen and Shumard, 1850

Platycrinites sampsoni (S. A. Miller, 1891)

See: *Platycrinus sampsoni* S. A. Miller, 1891

Platycrinites sculptus (Hall, 1858)

See: *Platycrinus rotundus* S. A. Miller, 1891

Platycrinites siluricus (Hall, 1879)

See: *Platycrinus siluricus* Hall, 1879

Platycrinites springeri (S. Weller, 1909)

See: *Platycrinus springeri* S. Weller, 1909

Platycrinites subscitulus (S. A. Miller and Gurley, 1896)

See: *Platycrinus subscitulus* S. A. Miller and Gurley, 1896

Platycrinites symmetricus (Wachsmuth and Springer, 1888)

See: *Platycrinus symmetricus* Wachsmuth and Springer, 1888

Platycrinites vascellum (S. A. Miller and Gurley, 1895)

See: *Platycrinus vascellum* S. A. Miller and Gurley, 1895

Platycrinites yandelli (Owen and Shumard, 1850)

See: *Platycrinus yandellii* Owen and Shumard, 1850

Platycrinus absentivus S. A. Miller, 1891

Holotype: UC 6949.

S. A. Miller, 1891b, pp. 15–16, pl. 1, fig. 15.

Peck and Keyte in Branson, 1938, p. 91, pl. 31, fig. 3.

= *Platycrinites absentivus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 614.

Referred specimen: UC 6949A.

S. A. Miller, 1891b, pp. 15–16.

Peck and Keyte *in* Branson, 1938, p. 91.

= *Platycrinites absentivus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 614.

Mississippian, Chouteau Group.

Leucke's Quarry, six miles southeast of Sedalia, Missouri; Sampson Collection.

Platycrinus aequiternus S. A. Miller, 1891

Holotype: UC 6951.

S. A. Miller, 1891b, p. 14, pl. 1, fig. 13.

S. A. Miller, 1897, p. 750, text fig. 1371.

Wachsmuth and Springer, 1897, p. 658, pl. 71, fig. 12.

Peck and Keyte *in* Branson, 1938, p. 92, pl. 31, fig. 1.

= *Platycrinites aequiternus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 614.

Mississippian, Chouteau Limestone.

Near Sedalia, Missouri; Sampson Collection.

Platycrinus aeternalis S. A. Miller, 1891

Holotype: UC 6150.

S. A. Miller, 1891b, pp. 11–12, pl. 1, fig. 8.

= *Platycrinus bonoensis* White, 1878

Wachsmuth and Springer, 1897, p. 683.

= *Platycrinites bonoensis* (White, 1878)

Bassler and Moodey, 1943, p. 616.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Platycrinus alabamensis S. A. Miller, 1891

Holotype: UC 6195.

S. A. Miller, 1891a, p. 50, pl. 9, fig. 5.

S. A. Miller, 1892a, p. 660, pl. 9, fig. 5.

= *Platycrinus huntsvillae* Troost *in* Wachsmuth and Springer,
1897

Wachsmuth and Springer, 1897, pp. 678–681.

= *Platycrinites huntsvillae* (Troost *in* Wachsmuth and Springer,
1897)

Bassler and Moodey, 1943, p. 622.

Subcarboniferous strata.

Huntsville, Alabama; Gurley Collection.

Platycrinus allophylus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6953.

Referred specimens: UC 6953, four specimens.

S. A. Miller, 1891b, pp. 9–10, pl. 1, figs. 3, 4.

S. A. Miller, 1897, p. 750, text fig. 1372.

Wachsmuth and Springer, 1897, p. 685, pl. 71, fig. 17.

Peck and Keyte *in* Branson, 1938, pp. 92–93.

= *Platycrinites allophylus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 614.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 203, pl. 77, fig. 16b.

Mississippian, Chouteau Limestone.

Leucke's Quarry, six miles southeast of Sedalia, Missouri; Sampson Collection.

Platycrinus americanus Owen and Shumard, 1852

Holotype: UC 6359.

Owen and Shumard, 1852a, p. 89, pl. 11, figs. 1a, 1b.

Owen and Shumard, 1852b, pp. 594–595, tbl. 5B, figs. 1a, 1b.

= *Platycrinites americanus* (Owen and Shumard, 1852)

Bassler and Moodey, 1943, p. 615.

Mississippian, Carboniferous Limestone [Burlington] just above the oolitic members of this formation.

In quarries at Burlington, Iowa; Gurley Collection.

?**Platycrinus americanus** Owen and Shumard, 1852

See: *Platycrinus broadheadi* S. A. Miller, 1891

Platycrinus annosus S. A. Miller, 1891

Holotype: UC 6952.

S. A. Miller, 1891b, p. 14, pl. 1, fig. 12.

S. A. Miller, 1897, p. 750, text fig. 1373.

Peck and Keyte *in* Branson, 1938, p. 90, pl. 30, figs. 6, 7.

= *Platycrinites annosus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 615.

Mississippian, Chouteau Limestone.

Near Sedalia, Missouri; Sampson Collection.

Platycrinus augusta Slocum, 1908

Holotype: original designation, P 8895.

Slocum, 1908, pp. 292–293, pl. 86, figs. 5–7.

= *Platycrinites augusta* (Slocum, 1908)

Bassler and Moodey, 1943, p. 616.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal, near Lemont, Illinois; collected by Slocum, 1906.

Platycrinus blairi S. A. Miller, 1891

Holotype: UC 6262.

S. A. Miller, 1891b, p. 21, pl. 2, figs. 13, 14.

S. A. Miller, 1897, p. 750, text fig. 1374.

= *Platycrinites blairi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 616.

Mississippian, Burlington Group.

Sedalia, Missouri; Gurley Collection.

Platycrinus bonoensis White, 1878

Holotype: original designation, UC 6344A.

White, 1878, pp. 30–31.

White, 1883, pp. 160–161, pl. 40, fig. 5A.

= *Platycrinites bonoensis* (White, 1878)

Bassler and Moodey, 1943, p. 616.

Referred specimens: UC 6344, four specimens.

White, 1878, pp. 30–31.

White, 1883, pp. 160–161.

= *Platycrinites bonoensis* (White, 1878)

Bassler and Moodey, 1943, p. 616.

Mississippian, Keokuk Division.

Bono, Lawrence County, Indiana; Gurley Collection.

See also: *Platycrinus aeternalis* S. A. Miller, 1891

Platycrinus caducus S. A. Miller, 1892

Platycrinus boonvillensis S. A. Miller, 1891.

Holotype, not designated, to be selected from UC 6176 and UC 6995.

Referred specimens: UC 6176, two specimens.

S. A. Miller, 1891b, pp. 8–9, pl. 1, figs. 1, 2.

Wachsmuth and Springer, 1897, p. 681, pl. 72, fig. 8a.

= *Platycrinites boonvillensis* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 616.

Referred specimens: UC 6995, two specimens.

S. A. Miller, 1891b, pp. 8–9.

Wachsmuth and Springer, 1897, pp. 681–682, pl. 72, fig. 9.

= *Platycrinites boonvillensis* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 616.

Mississippian, Keokuk Group.

Boonville, Missouri; Sampson Collection (UC 6995); Gurley Collection (UC 6176).

Platycrinus britsi [sic] S. A. Miller, 1891

See: *Platycrinus brittsi* S. A. Miller, 1891

Platycrinus brittsi S. A. Miller, 1891

Holotype: UC 6967.

S. A. Miller, 1891b, p. 23, pl. 3, figs. 3, 4.

Peck and Keyte *in* Branson, 1938, pp. 93–94, pl. 30, figs. 4, 5.

= *Platycrinus britsi* [sic] S. A. Miller, 1891

Wachsmuth and Springer, 1897, pp. 659–660, pl. 71, fig. 10.

= *Platycrinites brittsi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 617.

Mississippian, Chouteau Group.

Pin Hook Bridge, Pettis County, Missouri; Sampson Collection.

Platycrinus broadheadi S. A. Miller, 1891

Holotype: UC 6263.

S. A. Miller, 1891b, pp. 21–22, pl. 2, fig. 15.

= ?*Platycrinus americanus* Owen and Shumard, 1852

Wachsmuth and Springer, 1897, pp. 686–687.

= *Platycrinites americanus* (Owen and Shumard, 1852)

Bassler and Moodey, 1943, p. 615.

Mississippian, Burlington Group.

Sedalia, Missouri; Gurley Collection.

Platycrinus burlingtonensis Owen and Shumard, 1850

Holotype: UC 6358.

Owen and Shumard, 1850, pp. 60–61, pl. 7, fig. 5.

Owen and Shumard, 1852b, p. 589, tbl. 5A, fig. 5.

= *Platycrinites burlingtonensis* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 617.

Mississippian, Subcarboniferous [Burlington] Limestone.

In quarries at Burlington, Iowa; Gurley Collection.

See also: *Platycrinus lautus* S. A. Miller, 1891

Platycrinus caducus S. A. Miller, 1892

Holotype: UC 6996.

S. A. Miller, 1892b, p. 13, pl. 2, fig. 13.

S. A. Miller, 1894, p. 267, pl. 2, fig. 13.

= *Platycrinus bonoensis* White, 1878

Wachsmuth and Springer, 1897, p. 683.

= *Platycrinus bonoensis* (White, 1878)

Bassler and Moodey, 1943, p. 616.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Platycrinus concinnus S. A. Miller, 1891

Holotype: UC 6261.

S. A. Miller, 1891b, pp. 18–19, pl. 2, figs. 5, 6.

= *Platycrinites concinnus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 618.

Mississippian, Burlington Group.

Sedalia, Missouri; Gurley Collection.

Platycrinus corrugatus Owen and Shumard, 1850

Holotype, not designated, to be selected from UC 6360.

Referred specimens: UC 6360, three specimens.

Owen and Shumard, 1850, pp. 59–60, pl. 7, figs. 2a–2e.

Owen and Shumard, 1852b, p. 589, tbl. 5A, figs. 2a–2e.

= *Platycrinus discoideus* Owen and Shumard, 1850

Wachsmuth and Springer, 1897, pp. 713–714.

= *Platycrinites discoideus* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 619.

Mississippian, Subcarboniferous [Burlington] Limestone.
Burlington, Iowa; Gurley Collection.

Platycrinus discoideus Owen and Shumard, 1850

Holotype: UC 6356.

Owen and Shumard, 1850, pp. 58–59, pl. 7, figs. 1a, 1b.

Owen and Shumard, 1852b, p. 588, tbl. 5A, figs. 1a, 1b.

= *Platycrinites discoideus* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 619.

Mississippian, Subcarboniferous [Burlington] Limestone.
Burlington, Iowa; Gurley Collection.

See also: *Platycrinus corrugatus* Owen and Shumard, 1850

Platycrinus (?) dubius S. Weller, 1900

Holotype: UC 6593.

S. Weller, 1900, pp. 140–141, pl. 14, fig. 4.

Silurian, Niagaran.

Bridgeport, Illinois (now in Chicago); gift of H. H. Hindshaw.

Platycrinus faberi S. A. Miller, 1889

Holotype: UC 8888.

S. A. Miller, 1889, p. 270, text fig. 393.

= *Platycrinites faberi* (S. A. Miller, 1889)

Bassler and Moodey, 1943, p. 620.

Mississippian, St. Louis or Kaskaskia Group.

Scott County, West Virginia; Faber Collection.

Platycrinus germanus S. A. Miller and Gurley, 1895

Holotype: UC 6954.

S. A. Miller and Gurley, 1895b, pp. 78–79, pl. 4, figs. 46, 47.

Peck and Keyte *in* Branson, 1938, p. 99, pl. 30, fig. 3.

= *Platycrinites germanus* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 620.

Mississippian, Chouteau Group.

Sedalia, Missouri; Sampson Collection.

Platycrinus huntsvillae Troost *in* Wachsmuth and Springer,
1897

See: *Platycrinus alabamensis* S. A. Miller, 1891

Platycrinus lautus S. A. Miller, 1891

Holotype: UC 6987.

S. A. Miller, 1891b, pp. 17-18, pl. 2, figs. 3, 4.

= *Platycrinus burlingtonensis* Owen and Shumard, 1850

Wachsmuth and Springer, 1897, pp. 653-655.

= *Platycrinites burlingtonensis* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 617.

Mississippian, Burlington Group.

Sedalia, Missouri; Sampson Collection.

Platycrinus occidentalis S. A. Miller, 1891

Holotype: UC 6180.

S. A. Miller, 1891b, pp. 10-11, pl. 1, figs. 5, 6.

= *Eucladocrinus tuberosus* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 728-729.

Mississippian, Burlington Group.

Near Sedalia, Missouri; Gurley Collection.

Platycrinus ollicula S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6950.

Referred specimens: UC 6950, five specimens.

S. A. Miller, 1891b, p. 19, pl. 2, figs. 7, 8.

Peck and Keyte in Branson, 1938, pp. 101-102, pl. 30, fig. 1.

= *Platycrinites ollicula* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 624.

Mississippian, Chouteau Group.

Pin Hook Bridge and Leucke's Quarry, Missouri; Sampson Collection.

Platycrinus penicillus Meek and Worthen, 1860

Referred specimens: UC 25367, four specimens.

S. Weller, 1920, pp. 333-334, pl. 5, figs. 1-4.

= *Platycrinites huntsvillae* (Troost in Wachsmuth and Springer, 1897)

Bassler and Moodey, 1943, p. 622.

Mississippian, Fredonia Limestone.

Cedar Bluff near Princeton, Kentucky; collected by S. Weller, 1915.

Platycrinus pentagonus S. A. Miller, 1891

Holotype: UC 6156.

S. A. Miller, 1891b, p. 16, pl. 2, fig. 1.

= *Platycrinites pentagonus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 624.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Platycrinus planus Owen and Shumard, 1850

Referred specimen: UC 6355.

Owen and Shumard, 1850, p. 57, pl. 7, fig. 4b.

Owen and Shumard, 1852b, p. 587, tbl. 5A, fig. 4b.

= *Platycrinites planus* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 625.

Mississippian, Subcarboniferous [Burlington] Limestone.

Burlington, Iowa; Gurley Collection.

Remarks: UC 6355 is one of the specimens originally figured by Owen and Shumard.

Platycrinus rotundus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6988.

Referred specimens: UC 6988, two specimens.

S. A. Miller, 1891b, p. 20, pl. 2, figs. 11, 12.

= *Platycrinus sculptus* Hall, 1858

Wachsmuth and Springer, 1897, pp. 691–692.

= *Platycrinites sculptus* (Hall, 1858)

Bassler and Moodey, 1943, p. 626.

Mississippian, Burlington Group.

Sedalia, Missouri; Sampson Collection.

Platycrinus sampsoni S. A. Miller, 1891

Holotype: UC 6986.

S. A. Miller, 1891b, p. 13, pl. 1, fig. 11.

= *Platycrinites sampsoni* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 626.

Mississippian, Burlington Group (chert).

Near Sedalia, Missouri; Sampson Collection.

Platycrinus sculptus Hall, 1858

Holotype: UC 15893, is the catalogue of casts.

See also: *Platycrinus rotundus* S. A. Miller, 1891

Platycrinus siluricus Hall, 1879

Holotype: UC 11993.

Hall, 1879a, p. 9 [not seen].

Hall, 1882a, p. 65.

Hall, 1882b, p. 256, pl. 15, fig. 15.

Lesley, 1889, p. 690, text fig.

= *Platycrinites siluricus* (Hall, 1879)

Bassler and Moodey, 1943, p. 626.

Silurian, Niagara Group.

Waldron, Indiana; Hall Collection.

Platycrinus springeri S. Weller, 1909

Holotype: original designation, UC 14084.

S. Weller, 1909a, pp. 281–282, pl. 11, figs. 17–19.

= *Platycrinites springeri* (S. Weller, 1909)

Bassler and Moodey, 1943, p. 627.

Mississippian, Fern Glen Formation.

Fern Glen, Missouri; F. Springer, donor.

Platycrinus subscitulus S. A. Miller and Gurley, 1896

Holotype: UC 6985.

S. A. Miller and Gurley, 1896b, p. 62, pl. 4, figs. 12, 13.

= *Platycrinites subscitulus* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 627.

Mississippian, Burlington Group.

Sedalia, Missouri; Sampson Collection.

Platycrinus symmetricus Wachsmuth and Springer, 1889

Referred specimen: UC 6309.

Wachsmuth and Springer, 1890, pp. 186–188, pl. 15, fig. 8.

= *Platycrinites symmetricus* (Wachsmuth and Springer, 1889)

Bassler and Moodey, 1943, p. 628.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Remarks: UC 6309 is listed as the holotype in the Museum catalogue and is the specimen figured with the first description (1890). However, earlier Wachsmuth and Springer, 1889, pp. 348 and 363, pl. 18, fig. 15, figured another specimen, housed in the U. S. National Museum, which should be considered the holotype.

Platycrinus vascellum S. A. Miller and Gurley, 1895

Holotype: UC 6450.

S. A. Miller and Gurley, 1895a, pp. 32–33, pl. 2, figs. 16–18.

S. A. Miller, 1897, p. 750, text fig. 1378.

= *Platycrinites vascellum* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 628.

Mississippian, Keokuk Group.

Tennessee; Gurley Collection.

Platycrinus yandelli Owen and Shumard, 1850

Holotype: UC 6357.

Owen and Shumard, 1850, p. 58, pl. 7, figs. 6a, 6b.

Owen and Shumard, 1852b, pp. 587–588, tbl. 5A, figs. 6a, 6b.

= *Platycrinites yandelli* (Owen and Shumard, 1850)

Bassler and Moodey, 1943, p. 629.

Mississippian, Subcarboniferous [Burlington] Limestone.

Burlington, Iowa; Gurley Collection.

Plaxocrinus crassidiscus (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus crassidiscus* S. A. Miller and Gurley, 1894

Plaxocrinus subsinuatus (S. A. Miller and Gurley, 1894)

See: *Hydreionocrinus subsinuatus* S. A. Miller and Gurley, 1894

Porocrinus fayettensis Slocom, 1924

Holotype: original designation, UC 24700.

Slocom *in* Slocom and Foerste, 1924, pp. 333–334, pl. 29, figs. 14–16.

Referred specimen: P 11262.

Slocom *in* Slocom and Foerste, 1924, pp. 333–334, pl. 29, figs. 20, 21.

Referred specimens: P 16841, two specimens.

Slocum *in* Slocum and Foerste, 1924, pp. 333–334, pl. 29, figs. 17–19.

Referred specimens: P 16935, two specimens.

Slocum *in* Slocum and Foerste, 1924, pp. 333–334.

Ordovician, Lower Maquoketa Shale.

Clermont, Iowa; collected and donated by Slocum.

Referred specimen: P 17000.

Slocum *in* Slocum and Foerste, 1924, pp. 333–334.

Ordovician, Lower Maquoketa Shale.

Bloomfield, Iowa; collected by Slocum.

Porocrinus kentuckiensis S. A. Miller and Gurley, 1894

Holotype: UC 6040.

S. A. Miller and Gurley, 1894c, p. 24, pl. 2, fig. 19.

S. A. Miller, 1897, p. 751, text fig. 1380.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Poteriocrinites agnatus (S. A. Miller, 1891)

See: *Poteriocrinus agnatus* S. A. Miller, 1891

Poteriocrinites amoenus (S. A. Miller, 1891)

See: *Poteriocrinus amoenus* S. A. Miller, 1891

Poteriocrinites anomalos (Wetherby, 1880)

See: *Poteriocrinus anomalos* Wetherby, 1880

Poteriocrinites arrectarius (S. A. Miller and Gurley, 1896)

See: *Poteriocrinus arrectarius* S. A. Miller and Gurley, 1896

Poteriocrinites brittsi (S. A. Miller, 1891)

See: *Poteriocrinus brittsi* S. A. Miller, 1891

Poteriocrinites cantonensis (S. A. Miller and Gurley, 1890)

See: *Poteriocrinus cantonensis* S. A. Miller and Gurley, 1890

Poteriocrinites davisanus (S. A. Miller, 1882)

See: *Poteriocrinus davisanus* S. A. Miller, 1882

Poteriocrinites labyrinthicus (S. A. Miller, 1891)

See: *Cyathocrinus labyrinthicus* S. A. Miller, 1891
Poteriocrinus labyrinthicus (S. A. Miller, 1891)

Poteriocrinites nettelrothanus (S. A. Miller, 1882)

See: *Poteriocrinus nettelrothanus* S. A. Miller, 1882

Poteriocrinites pulaskiensis (S. A. Miller and Gurley, 1896)

See: *Poteriocrinus pulaskiensis* S. A. Miller and Gurley, 1896

Poteriocrinites robbi (Roy, 1929)

See: *Poteriocrinus robbi* Roy, 1929

Poteriocrinites vagulus (S. A. Miller and Gurley, 1895)

See: *Poteriocrinus vagulus* S. A. Miller and Gurley, 1895

Poteriocrinites verus (S. A. Miller and Gurley, 1890)

See: *Poteriocrinus verus* S. A. Miller and Gurley, 1890

Poteriocrinus agnatus S. A. Miller, 1891

Holotype: UC 6154.

S. A. Miller, 1891a, p. 43, pl. 8, figs. 6, 7.

S. A. Miller, 1892a, p. 653, pl. 8, figs. 6, 7.

= *Poteriocrinites agnatus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 637.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Poteriocrinus albersi S. A. Miller and Gurley, 1896

Holotype: UC 6487.

S. A. Miller and Gurley, 1896b, pp. 29–30, pl. 2, figs. 15–17.

S. A. Miller, 1897, p. 751, text fig. 1381.

= *Decadocrinus albersi* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 405.

Referred specimen: UC 6487A.

S. A. Miller and Gurley, 1896b, pp. 29-30.

= *Decadocrinus albersi* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 405.

Mississippian, Kaskaskia Group.

Monroe County, Illinois; Gurley Collection.

Poteriocrinus amoenus S. A. Miller, 1891

Holotype: UC 6270.

S. A. Miller, 1891a, p. 45, pl. 9, fig. 6.

S. A. Miller, 1892a, p. 655, pl. 9, fig. 6.

= *Poteriocrinites amoenus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 638.

Mississippian, Keokuk Group.

On Indian Creek, near Crawfordsville, Montgomery County,
Indiana; Gurley Collection.

Poteriocrinus anomalos Wetherby, 1880

Holotype: UC 6409.

Wetherby, 1880a, pp. 158-160, pl. 5, figs. 6-6b.

= *Poteriocrinites anomalos* (Wetherby, 1880)

Bassler and Moodey, 1943, p. 638.

Mississippian, Kaskaskia (Chester) Group.

Pulaski County, Kentucky; Gurley Collection.

Poteriocrinus arcanus S. A. Miller and Gurley, 1890

Holotype: UC 6265.

S. A. Miller and Gurley, 1890b, p. 29, pl. 5, fig. 4.

S. A. Miller and Gurley, 1891, pp. 348-349, pl. 5, fig. 4.

= *Hypselocrinus arcanus* (S. A. Miller and Gurley, 1890)

Kirk, 1940, p. 326.

Moore and Laudon in Shimer and Shrock, 1944, p. 169, pl. 58,
fig. 17.

Mississippian, Keokuk Group.

Washington County [published]; Canton [catalogue], Indiana;
Gurley Collection.

Poteriocrinus arrectarius S. A. Miller and Gurley, 1896

Holotype: UC 6602.

S. A. Miller and Gurley, 1896b, p. 33, pl. 4, fig. 6.
 = *Poteriocrinites arrectarius* (S. A. Miller and Gurley, 1896)
 Bassler and Moodey, 1943, p. 638.

Mississippian, St. Louis Group.
 Alton, Illinois; Gurley Collection.

Poteriocrinus boonvillensis S. A. Miller, 1891

Holotype: UC 6251.

S. A. Miller, 1891a, pp. 42–43, pl. 8, figs. 3, 4.

S. A. Miller, 1892a, pp. 652–653, pl. 8, figs. 3, 4.

= *Hypselocrinus boonvillensis* (S. A. Miller, 1891)
 Kirk, 1940, p. 326.

Mississippian, Keokuk Group.
 Boonville, Missouri; Gurley Collection.

Poteriocrinus brittsi S. A. Miller, 1891

Holotype: UC 6151.

S. A. Miller, 1891b, p. 30, pl. 4, figs. 5, 6.

= *Poteriocrinites brittsi* (S. A. Miller, 1891)
 Bassler and Moodey, 1943, p. 638.

Mississippian, Keokuk Group.
 Boonville, Cooper County, Missouri; Gurley Collection.

Poteriocrinus cantonensis S. A. Miller and Gurley, 1890

Holotype: UC 6269.

S. A. Miller and Gurley, 1890b, pp. 40–41, pl. 8, figs. 3, 4.

S. A. Miller and Gurley, 1891, p. 358, pl. 8, figs. 3, 4.

= *Poteriocrinites cantonensis* (S. A. Miller and Gurley, 1890)
 Bassler and Moodey, 1943, p. 638.

Mississippian, Keokuk Group.
 Near Canton, Indiana; Gurley Collection.

Poteriocrinus circumtextus S. A. Miller and Gurley, 1894

Holotype: UC 6447.

S. A. Miller and Gurley, 1894c, pp. 31–32, pl. 2, figs. 29, 30.

S. A. Miller, 1897, p. 751, text fig. 1385.

S. Weller, 1900, pp. 37 and 41, text figs. 25, 29.

= *Parisiocrinus subramosus* (S. A. Miller and Gurley, 1894)

Springer, 1911a, pp. 157-158.

= *Parisiocrinus crawfordsvillensis* (S. A. Miller, 1882)

Van Sant in Van Sant and Lane, 1964, pp. 72-73, pl. 1, fig. 11
[not 7 and 8].

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Poteriocrinus coryphaeus S. A. Miller, 1891

Holotype: UC 6168.

S. A. Miller, 1891a, pp. 44-45, pl. 9, fig. 1.

S. A. Miller, 1892a, pp. 654-655, pl. 9, fig. 1.

S. A. Miller, 1897, p. 751, text fig. 1386.

= *Ulrichicrinus coryphaeus* (S. A. Miller, 1891)

Springer, 1926b, p. 76.

Mississippian, Keokuk Group.

Indian Creek, Montgomery County, Indiana; Gurley Collection.

Poteriocrinus crawfordsvillensis S. A. Miller and Gurley, 1890

Holotype: UC 6398.

S. A. Miller and Gurley, 1890a, p. 23, pl. 4, fig. 8.

S. A. Miller and Gurley, 1890b, p. 23, pl. 4, fig. 8.

S. A. Miller and Gurley, 1891, p. 344, pl. 4, fig. 8.

= *Cosmetocrinus crawfordsvillensis* (S. A. Miller and Gurley, 1890)

Kirk, 1941, p. 87.

Moore and Laudon in Shimer and Shrock, 1944, p. 159, pl. 58,
fig. 14.

= *Hypselocrinus indianensis* (Meek and Worthen, 1865)

Van Sant in Van Sant and Lane, 1964, pp. 95-96, pl. 5, fig. 7.

Mississippian, Keokuk Group (Upper Borden; Kirk, 1941).

Crawfordsville, Indiana; Gurley Collection.

Poteriocrinus davisanus S. A. Miller, 1882

Holotype, not designated, to be selected from the specimens
on the limestone slab UC 6292.

Referred specimens: UC 6292, numerous specimens.

S. A. Miller, 1882a, pp. 226-227, pl. 9, figs. 4-4c.

= *Poteriocrinites davisanus* (S. A. Miller, 1882)

Bassler and Moodey, 1943, p. 640.

Devonian, Upper Helderberg Group.

Deputy, Indiana; Gurley Collection.

Remarks: UC 6292 is a slab with the holotypes of *P. davisanus* and *P. nettelrothanus* on it.

Poteriocrinus genista S. A. Miller and Gurley, 1890

Holotype: UC 6293C, on a slab with the holotypes of *P. scopae* and *P. spartarius*.

S. A. Miller and Gurley, 1890b, pp. 38–39, pl. 7, fig. 3.

S. A. Miller and Gurley, 1891, p. 357, pl. 7, fig. 3.

= *Pachylocrinus spartarius* (S. A. Miller and Gurley, 1890)
Springer, 1926b, p. 71.

Laudon and Beane, 1937, pp. 254–255.

= *Blothrocrinus spartarius* (S. A. Miller and Gurley, 1890)
Kirk, 1940, p. 322.

Mississippian, Kinderhook or Waverly Group (Hampton Formation; Kirk, 1940).

LeGrand, Iowa; Gurley Collection.

Poteriocrinus granilineus S. A. Miller and Gurley, 1890

Holotype: UC 6260.

S. A. Miller and Gurley, 1890a, pp. 22–23, pl. 4, fig. 7.

S. A. Miller and Gurley, 1890b, pp. 22–23, pl. 4, fig. 7.

S. A. Miller and Gurley, 1891, pp. 343–344, pl. 4, fig. 7.

= *Sarocrinus granilineus* (S. A. Miller and Gurley, 1890)
Kirk, 1942, p. 382.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Poteriocrinus hammondi S. A. Miller and Gurley, 1894

Holotype: UC 6603.

S. A. Miller and Gurley, 1894c, pp. 35–36, pl. 3, figs. 7, 8.

= *Scytalocrinus maccabei* (S. A. Miller and Gurley, 1894)
Laudon and Beane, 1937, p. 258, pl. 19, fig. 6.

= *Hypselocrinus maccabei* (S. A. Miller and Gurley, 1894)
Kirk, 1940, p. 326.

Mississippian, Kinderhook Group.

LeGrand, Iowa; Gurley Collection.

See also: *Poteriocrinus maccabei* S. A. Miller and Gurley, 1894

Poteriocrinus labyrinthicus (S. A. Miller, 1891)

Referred specimen: UC 6485.

S. A. Miller and Gurley, 1896b, p. 34, pl. 4, fig. 7.

= *Poteriocrinites labyrinthicus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 641.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Poteriocrinus lautus S. A. Miller and Gurley, 1896

Holotype: UC 6994.

S. A. Miller and Gurley, 1896b, pp. 30-31, pl. 2, figs. 18-19.

S. A. Miller, 1897, p. 752, text fig. 1388.

= *Linocrinus lautus* (S. A. Miller and Gurley, 1896)

Kirk, 1938, p. 168.

Mississippian, Keokuk Group (Warsaw; Kirk, 1938).

Boonville, Missouri; Sampson Collection.

Poteriocrinus legrandensis S. A. Miller and Gurley, 1890

Holotype: UC 6287.

S. A. Miller and Gurley, 1890b, pp. 39-40, pl. 7, figs. 4-6.

S. A. Miller and Gurley, 1891, pp. 357-358, pl. 7, figs. 4-6.

= *Pachylocrinus legrandensis* (S. A. Miller and Gurley, 1890)

Laudon and Beane, 1937, p. 256.

= *Cosmetocrinus elegantulus* (Wachsmuth and Springer, 1889)

Kirk, 1941, p. 87.

Mississippian, Waverly or Kinderhook Group (Hampton Formation; Kirk, 1941).

LeGrand, Iowa; Gurley Collection.

Poteriocrinus maccabei S. A. Miller and Gurley, 1894

Holotype, not designated, to be selected from UC 6494.

Referred specimens: UC 6494, two specimens.

S. A. Miller and Gurley, 1894c, pp. 34-35, pl. 3, figs. 3-6.

= *Scytalocrinus maccabei* (S. A. Miller and Gurley, 1894)

Laudon and Beane, 1937, p. 258, pl. 17, fig. 13, pl. 18, fig. 6.

= *Hypselocrinus maccabei* (S. A. Miller and Gurley, 1894)

Kirk, 1940, p. 326.

Mississippian, Kinderhook Group (Hampton Formation; Kirk, 1940).

LeGrand, Iowa; Gurley Collection.

See also: *Poteriocrinus hammondi* S. A. Miller and Gurley, 1894

Poteriocrinus maccabei var. **decrepitus** S. A. Miller and Gurley, 1894

Holotype, not designated, to be selected from UC 6449.

Referred specimens: UC 6449, two specimens.

S. A. Miller and Gurley, 1894c, pp. 36–37, pl. 3, figs. 9–12.

= *Scytalocrinus maccabei* (S. A. Miller and Gurley, 1894)

Laudon and Beane, 1937, p. 258.

= *Hypselocrinus maccabei* (S. A. Miller and Gurley, 1894)

Kirk, 1940, p. 326.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Poteriocrinus milleri Wetherby, 1881

Referred specimen: UC 6406.

Wetherby, 1881a, p. 330, pl. 9, fig. 12.

= *Decadocrinus milleri* (Wetherby, 1881)

Wachsmuth and Springer, 1886, p. 163.

Mississippian, Upper part Kaskaskia (Chester) Group.

Pulaski County, Kentucky; Gurley Collection.

Remarks: UC 6406 consists of two specimens of which one is missing.

Poteriocrinus neglectus S. A. Miller and Gurley, 1896

Holotype: UC 6484.

S. A. Miller and Gurley, 1896b, pp. 31–32, pl. 4, figs. 3–5.

= *Hypselocrinus neglectus* (S. A. Miller and Gurley, 1896)

Kirk, 1940, p. 326.

Mississippian, Keokuk Group (Warsaw; Kirk, 1940).

Boonville, Missouri; Gurley Collection.

Poteriocrinus nettelrothanus S. A. Miller, 1882

Holotype, not designated, to be selected from the specimens on the limestone slab UC 6292.

Referred specimens: UC 6292, several specimens.

S. A. Miller, 1882a, pp. 227–229, pl. 9, figs. 5, 5a.

= *Poteriocrinites nettelrothanus* (S. A. Miller, 1882).

Bassler and Moodey, 1943, p. 643.

Devonian, Upper Helderberg Group.

Deputy, Indiana; Gurley Collection.

Remarks: UC 6292 is a slab with the holotypes of *P. davisanus* and *P. nettelrothanus* on it.

Poteriocrinus occidentalis Owen and Shumard, 1852

Holotype: UC 6373.

Owen and Shumard, 1852a, pp. 92–93, pl. 11, figs. 5a, 5b.

Owen and Shumard, 1852b, pp. 596–597, tbl. 5B, figs. 5a, 5b.

= ?*Agassizocrinus papillatus* Worthen, 1882

Springer, 1926b, p. 63.

= *P. occidentalis* = *Agassizocrinus occidentalis* (Owen and Shumard, 1852).

Horowitz, 1969, personal communication.

“Archimedical layers of the carboniferous limestone.” [Chester Series] Chester, Illinois; Gurley Collection.

Poteriocrinus pulaskiensis S. A. Miller and Gurley, 1896

Holotype: UC 6488.

S. A. Miller and Gurley, 1896a, p. 39, pl. 3, figs. 26, 27.

= *Poteriocrinites pulaskiensis* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 644.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Poteriocrinus rhombiferus Owen and Shumard, 1852

Holotype: UC 6363.

Owen and Shumard, 1852a, pp. 89–90, pl. 11, figs. 2a–2c.

Owen and Shumard, 1852b, p. 595, tbl. 5B, figs. 2a–2c.

= *Barycrinus rhombiferus* (Owen and Shumard, 1852)

Wachsmuth and Springer, 1880, p. 326.

Mississippian, Burlington Limestone.

Burlington, Iowa; Gurley Collection.

Poteriocrinus robbi Roy, 1929

Holotype: original designation, P 19861.

Roy, 1929, pp. 205–206, pl. 34, figs. 1, 2.

= *Poteriocrinites robbi* (Roy, 1929)

Bassler and Moodey, 1943, p. 644.

Mississippian, Burlington Group.

Burlington, Iowa.

Poteriocrinus scopae S. A. Miller and Gurley, 1890

Holotype: UC 6293B, on a slab with the holotypes of *P. genista* and *P. spartarius*.

S. A. Miller and Gurley, 1890b, p. 38, pl. 7, fig. 2.

S. A. Miller and Gurley, 1891, p. 356, pl. 7, fig. 2.

= *Pachylocrinus spartarius* (S. A. Miller and Gurley, 1890)

Springer, 1926b, p. 71.

Laudon and Beane, 1937, pp. 254–255.

= *Blothocrinus spartarius* (S. A. Miller and Gurley, 1890)

Kirk, 1940, p. 322.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 158, pl. 58, fig. 4b.

Mississippian, Kinderhook or Waverly Group (Hampton Formation; Kirk, 1940).

LeGrand, Iowa; Gurley Collection.

Referred specimen: UC 6478.

S. A. Miller and Gurley, 1894c, pp. 33–34, pl. 3, figs. 1, 2.

= *Pachylocrinus spartarius* (S. A. Miller and Gurley, 1890)

Laudon and Beane, 1937, pp. 254–255.

= *Blothocrinus spartarius* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, pp. 334–335.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Poteriocrinus (Scytalocrinus) vanhornei (Worthen, 1875)

See: *Poteriocrinus vanhornei* Worthen, 1875

Poteriocrinus (Scytalocrinus) wetherbeyi [sic] S. A. Miller, 1879

See: *Poteriocrinus wetherbyi* S. A. Miller, 1879

Poteriocrinus spartarius S. A. Miller and Gurley, 1890

Holotype: UC 6293A, on a slab with the holotypes of *P. scopae* and *P. genista*.

S. A. Miller and Gurley, 1890b, p. 37, pl. 7, fig. 1.

S. A. Miller and Gurley, 1891, pp. 355-356, pl. 7, fig. 1.

= *Pachylocrinus spartarius* (S. A. Miller and Gurley, 1890)
Springer, 1926b, p. 71.

Laudon and Beane, 1937, pp. 254-255.

= *Blothrocrinus spartarius* (S. A. Miller and Gurley, 1890)
Kirk, 1940, p. 322.

Mississippian, Kinderhook or Waverly Group (Hampton Formation; Kirk, 1940).

LeGrand, Iowa; Gurley Collection.

Poteriocrinus spinosus Owen and Shumard, 1852

Holotype: UC 6372.

Owen and Shumard, 1852a, pp. 91-92, pl. 11, fig. 4.

Owen and Shumard, 1852b, p. 596, tbl. 5B, fig. 4.

= *Zeacrinus spinosus* (Owen and Shumard, 1852)
Shumard, 1866, p. 399.

= *Dasciocrinus spinosus* (Owen and Shumard, 1852)
Kirk, 1939, pp. 470, 472-473.

Mississippian, Kaskaskia.

Kaskaskia, Illinois; Gurley Collection.

Poteriocrinus tumidus Owen and Shumard, 1852

Holotype: UC 6371.

Owen and Shumard, 1852a, pp. 90-91, pl. 11, figs. 3a, 3b.

Owen and Shumard, 1852b, pp. 595-596, tbl. 5B, figs. 3a, 3b.

= *Agassizocrinus tumidus* (Owen and Shumard, 1852)
Wachsmuth and Springer, 1886, p. 189.

Mississippian, Kaskaskia.

Chester, Illinois; Gurley Collection.

Poteriocrinus vagulus S. A. Miller and Gurley, 1895

Holotype: UC 6418.

S. A. Miller and Gurley, 1895a, pp. 46-47, pl. 4, figs. 10, 11.

= *Poteriocrinites vagulus* (S. A. Miller and Gurley, 1895)
Bassler and Moodey, 1943, p. 645.

Mississippian, Kaskaskia Group.

Pulaski County [published]; Sloans Creek, Pulaski County
[catalogue], Kentucky; Gurley Collection.

Poteriocrinus vanhornei Worthen, 1875

Referred specimen: UC 9858.

Worthen *in* Worthen and Meek, 1875, pp. 517–518, pl. 31,
fig. 2.

= *Poteriocrinus* (*Scytalocrinus*) *vanhornei* (Worthen, 1875)

Wachsmuth and Springer, 1880, p. 341.

= *Scytalocrinus vanhornei* (Worthen, 1875)

Keyes, 1894, p. 213, pl. 26, fig. 3.

= *Phacelocrinus vanhornei* (Worthen, 1875)

Kirk, 1940, p. 330.

Mississippian, Upper St. Louis Limestone [published]; Ste. Genevieve Limestone [Bassler and Moodey, 1943, p. 606].

Alton, Illinois; Van Horne Collection.

Remarks: UC 9858 is one of the original specimens figured by
Worthen.

Poteriocrinus verus S. A. Miller and Gurley, 1890

Holotype: UC 6166.

S. A. Miller and Gurley, 1890a, p. 24, pl. 4, fig. 9.

S. A. Miller and Gurley, 1890b, p. 24, pl. 4, fig. 9.

S. A. Miller and Gurley, 1891, pp. 344–345, pl. 4, fig. 9.

= *Poteriocrinites verus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 645.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Poteriocrinus wetherbyi S. A. Miller, 1879

Holotype: UC 6399.

S. A. Miller, 1879a, pp. 36–38, pl. 8, figs. 1a, 1b.

= *Poteriocrinus* (*Scytalocrinus*) *wetherbeyi* [sic] S. A. Miller, 1879

Wachsmuth and Springer, 1880, p. 341.

= *Phacelocrinus wetherbyi* (S. A. Miller, 1879)

Kirk, 1940, p. 330.

Mississippian, Kaskaskia (Glen Dean; Kirk, 1940).

Pulaski County, Kentucky; Gurley Collection.

Pterotocrinus abruptus Sutton, 1934

Holotype: original designation, UC 37303 [not UC 37307].

Sutton, 1934, p. 409, pl. 49, figs. 29, 31.

Referred specimens: UC 37303A and B, two specimens.

Sutton, 1934, p. 409.

Mississippian, Golconda Limestone.

Eight miles southeast of Scottsburg, Kentucky; collected by S. Weller, 1921.

Referred specimens: UC 37304, two specimens.

Sutton, 1934, p. 409, pl. 49, fig. 30.

Mississippian, Golconda Limestone.

One and one-quarter miles southwest of Claxton, Kentucky; collected by S. Weller, 1921.

Pterotocrinus acutus Wetherby, 1879

Holotype: UC 6403.

Wetherby, 1879, pp. 134-136, pl. 11, figs. 2a-2c.

Sutton, 1934, pp. 411-412, pl. 50, figs. 12, 13.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Referred specimens: UC 26711, three specimens.

Sutton, 1934, pp. 411-412, pl. 50, figs. 10, 11.

Mississippian, Glen Dean Limestone.

S. Weller locality W195, Menard, Illinois; collected by S. Weller, 1907.

Pterotocrinus acutus var. **bifurcatus** Wetherby, 1879

See: *Pterotocrinus bifurcatus* Wetherby, 1879

Pterotocrinus arcuatus Sutton, 1934

See: *Pterotocrinus* sp.

Pterotocrinus armatus Sutton, 1934

Holotype: original designation, UC 34906A.

Sutton, 1934, p. 407, pl. 49, figs. 34, 35, 39.

Referred specimens: UC 34906, three specimens.

Sutton, 1934, p. 407, pl. 49, figs. 36-38.

Mississippian, Golconda Limestone.

One-half mile north of Forest Grove School, Marion, Kentucky;
collected by S. Weller, 1926.

Pterotocrinus bifurcatus Wetherby, 1879

Holotype: UC 6401, specimen is broken.

Wetherby, 1879, pp. 136–137, pl. 11, figs. 1a–1c.

S. Weller, 1920, p. 372, pl. 10, fig. 14.

Sutton, 1934, p. 412, pl. 50, fig. 16.

= *Pterotocrinus acutus* var. *bifurcatus* Wetherby, 1879

Wachsmuth and Springer, 1897, p. 801, pl. 79, figs. 9a, 9b.

Referred specimen: UC 6401A, specimen is broken.

Sutton, 1934, p. 412, pl. 50, figs. 14, 15.

Mississippian, Glen Dean Limestone.

Pulaski County, Kentucky; Gurley Collection.

Pterotocrinus capitalis (Lyon, 1857)

Referred specimen: UC 25405, two specimens.

S. Weller, 1920, p. 360, pl. 8, figs. 37, 38.

= *Pterotocrinus coronarius* (Lyon, 1857) museum catalogue.

Mississippian, Lower Golconda Limestone.

S. Weller locality W18–25, 3½ miles southeast of Vienna, Illinois;
collected by S. Weller, 1918.

Referred specimens: UC 25406, three specimens.

S. Weller, 1920, p. 360, pl. 8, fig. 39.

Mississippian, Golconda Limestone.

Bluffs above Golconda, Illinois; collected by S. Weller, 1907.

Referred specimens: UC 30247A, two specimens.

Sutton, 1934, pp. 409–410, pl. 50, figs. 20–23.

Referred specimens: UC 30247, four specimens.

Sutton, 1934, pp. 409–410.

Mississippian, Golconda Limestone.

S. Weller locality W313, one-half mile north of Golconda, Illinois;
collected by S. Weller, 1907.

Pterotocrinus convexus Sutton, 1934

See: *Pterotocrinus* sp.

Pterotocrinus coronarius (Lyon, 1857)

Referred specimens: UC 30535, four specimens.

Sutton, 1934, p. 410, pl. 50, figs. 25, 26, 28, 29.

Mississippian, Golconda Limestone.

S. Weller locality K.C. 46, five miles north of Marion, Kentucky;
collected by S. Weller, 1923.

See also: *Pterotocrinus capitalis* (Lyon, 1857)

Pterotocrinus cuneatus Sutton, 1934

Holotype, not designated, to be selected from UC 37306 and UC 37307.

Referred specimens: UC 37306, two specimens.

Sutton, 1934, pp. 407-408, pl. 49, fig. 13.

Mississippian, Glen Dean Limestone.

Menard, Illinois; collected by S. Weller, 1907.

Referred specimens: UC 37307, four specimens.

Sutton, 1934, pp. 407-408, pl. 49, figs. 11, 12, 14.

Mississippian, Kaskaskia (Glen Dean) Limestone.

Pope County, Illinois; Gurley Collection.

Pterotocrinus depressus Lyon and Casseday, 1860

Referred specimens: UC 37310, two specimens.

Sutton, 1934, pp. 403-405, pl. 49, figs. 7, 8, 43.

Mississippian, Lower Okaw (Golconda).

Three-quarters of a mile north of Marigold, Illinois; collected by
S. Weller, 1912.

Pterotocrinus elongatus Sutton, 1934

Holotype: original designation, UC 26925.

Sutton, 1934, pp. 408-409, pl. 49, figs. 15, 16.

Referred specimen: UC 26925A.

Sutton, 1934, pp. 408-409.

Mississippian, Paint Creek Limestone.

S. Weller locality W567, 11 $\frac{1}{4}$ miles northwest of Floraville, Illinois;
collected by S. Weller, 1911.

Referred specimens: UC 26864, two specimens.

Sutton, 1934, pp. 408-409, pl. 49, figs. 17, 18.

Mississippian, Paint Creek Limestone.

S. Weller, locality W558, two miles south of Columbia, Illinois;
collected by S. Weller, 1911.

***Pterotocrinus lingulaformis* Sutton, 1934**

Holotype, not designated, to be selected from UC 37311.

Referred specimens: UC 37311, two specimens.

Sutton, 1934, pp. 402-403, pl. 49, figs. 25, 26, 28.

Referred specimen: UC 25155 [not UC 35155].

Sutton, 1934, pp. 402-403, pl. 49, fig. 27.

Referred specimens: UC 25156, seven specimens.

Sutton, 1934, pp. 402-403.

Mississippian, Lower Okaw Limestone.

S. Weller locality W595, three-quarters of a mile north of Mari-
gold, Illinois; collected by S. Weller, 1912.

***Pterotocrinus menardensis* S. Weller, 1920**

Holotype: original designation, UC 25425.

S. Weller, 1920, p. 373, pl. 11, fig. 9.

Sutton, 1934, p. 405, pl. 49, figs. 47, 48.

Mississippian, Menard Limestone.

Two miles east of Cobden, Union County, Illinois; collected by
S. Weller, 1916.

Referred specimens: UC 30827, three specimens.

Sutton, 1934, p. 405, pl. 49, fig. 49.

Mississippian, Lower Menard Limestone.

S. Weller locality K.P. 29, Walche's Cut, east of Scottsburg, Ken-
tucky; collected by S. Weller, 1921.

***Pterotocrinus pentalobus* Sutton, 1934**

Holotype: original designation, UC 19130A.

Sutton, 1934, pp. 413-414, pl. 49, figs. 3, 4.

Referred specimen: UC 19130.

Sutton, 1934, pp. 413-414.

Mississippian, Chester Series.

Randolph County, Illinois; Gurley Collection.

Pterotocrinus (?) **primus** Sutton, 1934

Holotype: original designation, UC 30210.

Sutton, 1934, p. 402, pl. 49, figs. 5, 6.

Mississippian, Renault Limestone.

S. Weller locality W329, Fairview Bluff, Hardin County, Illinois;
collected by S. Weller, 1907.

Pterotocrinus rugosus Lyon and Casseday, 1860

Referred specimens: UC 19144, three specimens.

Sutton, 1934, p. 416, pl. 49, fig. 22.

Mississippian, Glen Dean Limestone.

Falls of Rough Creek, Breckenridge County, Kentucky; Gurley
Collection.

Pterotocrinus scapulatus Sutton, 1934

Holotype, not designated, to be selected from UC 37308 and
UC 9391.

Referred specimens: UC 37308, two specimens.

Sutton, 1934, p. 403, pl. 50, fig. 17.

Mississippian, Okaw Limestone.

Three-quarters of a mile north of Marigold, Illinois; collected by
S. Weller, 1912.

Referred specimens: UC 9391, two specimens.

Sutton, 1934, p. 403, pl. 50, figs. 18, 19.

Mississippian, Glen Dean Limestone.

Pope County, Illinois; Gurley Collection.

Referred specimen: UC 37313 [not UC 26713].

Sutton, 1934, p. 403.

Mississippian, Glen Dean Limestone.

Menard, Illinois; collected by S. Weller, 1907.

Pterotocrinus serratus S. Weller, 1920

Holotype: original designation, UC 25377.

S. Weller, 1920, pp. 342-343, pl. 5, fig. 26.

Sutton, 1934, pp. 406-407.

Mississippian, Paint Creek Formation.

S. Weller locality W558, two miles south of Columbia, Monroe County, Illinois; collected by S. Weller, 1911.

Referred specimens: UC 25376, two specimens.

S. Weller, 1920, pp. 342-343, pl. 5, figs. 24, 25.

Sutton, 1934, pp. 406-407.

Mississippian, Paint Creek Formation.

S. Weller locality W648, Cache River bluff, six miles south of Vienna, Johnson County, Illinois; collected by S. Weller, 1913.

Referred specimens: UC 25577, two specimens.

Sutton, 1934, pp. 406-407, pl. 49, figs. 50, 51.

Mississippian, Paint Creek Formation.

S. Weller locality K.P. 45, 1½ miles southeast of Claxton, Kentucky; collected by S. Weller, 1921.

***Pterotocrinus spatulatus* Wetherby, 1879**

Holotype: UC 6402.

Wetherby, 1879, pp. 137-138, pl. 11, figs. 3a-3c.

Sutton, 1934, pp. 410-411, pl. 11, figs. 5-8.

Mississippian, Glen Dean Formation.

Pulaski County, Kentucky; Gurley Collection.

***Pterotocrinus subspatulatus* Sutton, 1934**

Holotype: original designation, UC 30861A.

Sutton, 1934, pp. 412-413, pl. 49, figs. 45, 46.

Referred specimens: UC 30861, three specimens.

Sutton, 1934, pp. 412-413.

Mississippian, Menard Limestone.

S. Weller locality K.P. 41, 2½ miles north of Princeton, Kentucky; collected by S. Weller, 1921.

***Pterotocrinus vannus* Sutton, 1934**

Holotype: original designation, UC 26713.

Sutton, 1934, p. 408, pl. 49, figs. 9, 10.

Mississippian, Glen Dean Limestone.

S. Weller locality W196, Menard, Illinois; collected by S. Weller, 1907.

Pterotocrinus wetherbyi S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6417.

Referred specimens: UC 6417, three specimens.

S. A. Miller and Gurley, 1895a, pp. 44-46, pl. 4, figs. 6-9.

S. A. Miller, 1897, p. 752, text fig. 1389.

Sutton, 1934, p. 416, pl. 50, figs. 1-4.

Mississippian, Kaskaskia (Chester Series).

Pulaski County, Kentucky; Gurley Collection.

Pterotocrinus sp.

Referred specimen: UC 25384.

S. Weller, 1920, pl. 5, fig. 28.

= holotype of *Pterotocrinus arcuatus* Sutton, 1934

Sutton, 1934, p. 402, pl. 49, figs. 1, 2.

Mississippian, Paint Creek Formation.

Six miles south of Vienna, Illinois; collected by S. Weller, 1913.

Referred specimen: UC 37312.

S. Weller, 1920, pl. 5, fig. 27.

= holotype of *Pterotocrinus convexus* Sutton, 1934

Sutton, 1934, p. 406, pl. 49, figs. 32, 33.

Mississippian, Paint Creek Formation.

Six miles south of Vienna, Illinois; collected by S. Weller, 1913.

Referred specimen: UC 48269.

Easton, 1942, pl. 2, fig. 9.

Mississippian, Pitkin Formation.

Very impure limestone and shale in a small quarry on the down-thrown side of a fault in the road cut on the hill 0.52 miles east of the post office at Leslie, Arkansas; Easton Collection.

Ptychocrinus splendens (S. A. Miller, 1883)

See: *Gaurocrinus splendens* S. A. Miller, 1883

Pycnocrinus dyeri (Meek, 1872)

See: *Glyptocrinus shafferi* S. A. Miller, 1875

Glyptocrinus shafferi var. *germanus* S. A. Miller, 1880

Pycnocrinus dyeri sublaevis (S. A. Miller, 1878)

See: *Glyptocrinus dyeri* var. *sublaevis* S. A. Miller, 1878

Pycnocrinus germanus (S. A. Miller, 1880)

See: *Glyptocrinus shafferi* S. A. Miller, 1875

Glyptocrinus shafferi var. *germanus* S. A. Miller, 1880

Pycnocrinus pattersoni (S. A. Miller, 1882)

See: *Glyptocrinus pattersoni* S. A. Miller, 1882

Pycnocrinus shafferi (S. A. Miller, 1875)

See: *Glyptocrinus shafferi* S. A. Miller, 1875

Pycnosaccus americanus S. Weller, 1900

Holotype: UC 6646.

S. Weller, 1900, pp. 149–150.

Springer, 1920, p. 188, pl. 13, fig. 10.

= *Pycnosaccus ornatus* S. Weller, 1900

S. Weller, 1900, pl. 15, fig. 12.

Silurian, Niagaran.

Hawthorne (now Dolese-Shepard Quarry in Chicago), Illinois;
gift of H. H. Hindshaw.

Pycnosaccus ornatus S. Weller, 1900

See: *Pycnosaccus americanus* S. Weller, 1900

Reteocrinus alveolatus S. A. Miller and Gurley, 1894

See: *Reteocrinus alveolatus* S. A. Miller and Gurley, 1894

Reteocrinus nealli (Hall, 1866)

See: *Glyptocrinus cognatus* S. A. Miller, 1881

Retiocrinus alveolatus S. A. Miller and Gurley, 1894

Holotype: UC 6045.

S. A. Miller and Gurley, 1894c, pp. 26–27, pl. 2, fig. 22.

S. A. Miller, 1897, p. 752, text fig. 1390.

= *Reteocrinus alveolatus* S. A. Miller and Gurley, 1894

Bassler and Moodey, 1943, p. 659.

Ordovician, Trenton Group.

Mercer County, Kentucky; Gurley Collection.

Rhodocrinites caelatus (S. A. Miller and Gurley, 1890)

See: *Rhodocrinus caelatus* S. A. Miller and Gurley, 1890

Rhodocrinites parvus (S. A. Miller, 1891)

See: *Rhodocrinus parvus* S. A. Miller, 1891

Rhodocrinites punctatus (S. Weller, 1909)

See: *Rhodocrinus punctatus* S. Weller, 1909

Rhodocrinites sculptus (S. A. Miller and Gurley, 1890)

See: *Rhodocrinus sculptus* S. A. Miller and Gurley, 1890

Rhodocrinus caelatus S. A. Miller and Gurley, 1890

Holotype: UC 6201.

S. A. Miller and Gurley, 1890b, p. 43, pl. 7, fig. 10.

S. A. Miller and Gurley, 1891, pp. 360–361, pl. 7, fig. 10.

= *Rhodocrinites caelatus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 663.

Mississippian, Waverly or Kinderhook Group.

LeGrand, Iowa; Gurley Collection.

Rhodocrinus coxanus Worthen, 1882

See: *Rhodocrinus parvus* S. A. Miller, 1891

Rhodocrinus parvus S. A. Miller, 1891

Holotype: UC 6177.

S. A. Miller, 1891b, p. 39, pl. 5, figs. 8, 9.

S. A. Miller, 1897, p. 752, text fig. 1392.

= *Rhodocrinus coxanus* Worthen, 1882

Keyes, 1894, pp. 163–164.

= *Rhodocrinites parvus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 665.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Rhodocrinus punctatus S. Weller, 1909

Holotype: original designation, UC 4717.

S. Weller, 1909, pp. 282–283, pl. 11, figs. 15, 16.

= *Rhodocrinites punctatus* (S. Weller, 1909)

Bassler and Moodey, 1943, p. 665.

Mississippian, Fern Glen Formation.

S. Weller locality 9, near Kimmswick, Missouri; collected by S. Weller, 1896.

Rhodocrinus sculptus S. A. Miller and Gurley, 1890

Holotype: UC 6200.

S. A. Miller and Gurley, 1890b, pp. 42–43, pl. 7, fig. 11.

S. A. Miller and Gurley, 1891, pp. 359–360, pl. 7, fig. 11.

= *Rhodocrinites sculptus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 665.

Mississippian, Kinderhook or Waverly Group.

LeGrand, Iowa; Gurley Collection.

Saccocrinus benedicti S. A. Miller, 1892

Referred specimen: UC 6025.

S. A. Miller, 1892b, pp. 29–30, pl. 5, fig. 2.

S. A. Miller, 1894, pp. 283–284, pl. 5, fig. 2.

= (?) *Periechocrinus ornatus* (Hall, 1875)

Wachsmuth and Springer, 1897, pp. 527–528.

= *Habrocrinus benedicti* (S. A. Miller, 1892)

Slocum, 1908, p. 295.

= *Stiptocrinus benedicti* (S. A. Miller, 1892)

Kirk, 1946, p. 34.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Remarks: UC 6025 is one of two original specimens used by Miller.

Saccocrinus christyi (Hall, 1863)

Referred specimen: UC 11984.

Hall, 1882b, pp. 254–256, pl. 15, fig. 3.

= *Periechocrinus whitfieldi* (Hall, 1868)

Wachsmuth and Springer, 1897, pp. 522–523.

= *Periechocrinites whitfieldi* (Hall, 1868)

Bassler and Moodey, 1943, p. 601.

Silurian, Niagara Group.

Waldron, Indiana; Hall Collection.

Saccocrinus gorbyi S. A. Miller, 1891

Holotype: UC 6027.

S. A. Miller, 1891a, p. 57, pl. 9, figs. 2, 3.

S. A. Miller, 1892a, p. 667, pl. 9, figs. 2, 3.

= *Periechocrinus gorbyi* (S. A. Miller, 1891)

Bassler, 1915, p. 954.

= *Periechocrinites gorbyi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 598.

Silurian, Niagara Group.

Adams, Decatur County, Indiana; Gurley Collection.

Saccocrinus umbrosus S. A. Miller and Gurley, 1895

Holotype: UC 6026.

S. A. Miller and Gurley, 1895a, pp. 24–25, pl. 2, figs. 13, 14.

= *Periechocrinus umbrosus* (S. A. Miller and Gurley, 1895)

Bassler, 1915, p. 956.

= *Periechocrinites umbrosus* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 601.

Silurian, Niagara Group.

St. Paul, Indiana; Gurley Collection.

Sampsonocrinus hemisphericus S. A. Miller and Gurley, 1895

Holotype: UC 6959.

S. A. Miller and Gurley, 1895b, pp. 51–54, pl. 3, figs. 7–10.

Peck and Keyte *in* Branson, 1938, pp. 89–90, pl. 27, figs. 1–4.

Brower, 1967, text fig. 2A.

= *Actinocrinus sedaliensis* (S. A. Miller and Gurley, 1895)

Peck and Keyte *in* Branson, 1938, pp. 85, 90.

= *Actinocrinites hemisphericus* (S. A. Miller and Gurley, 1895)

Bassler and Moodey, 1943, p. 270.

Mississippian, Chouteau Limestone.

Sedalia, Missouri; Sampson Collection.

Sarocrinus granilineus (S. A. Miller and Gurley, 1890)

See: *Poteriocrinus granilineus* S. A. Miller and Gurley, 1890

Sarocrinus pocillum (S. A. Miller, 1891)

See: *Zeacrinus pocillum* S. A. Miller, 1891

Scaphiocrinus arrosus S. A. Miller and Gurley, 1894

Holotype: UC 6632.

S. A. Miller and Gurley, 1894a, p. 39, pl. 6, fig. 5.

= *Pachylocrinus arrosus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 578.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Scaphiocrinus bellus S. A. Miller and Gurley, 1890

Holotype: UC 6189.

S. A. Miller and Gurley, 1890b, pp. 46–47, pl. 8, figs. 5–7.

S. A. Miller and Gurley, 1891, p. 363, pl. 8, figs. 5–7.

= *Pachylocrinus bellus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 578.

= *Decadocrinus bellus* (S. A. Miller and Gurley, 1890)

Moore and Laudon *in* Shimer and Shrock, 1944, p. 169, pl. 64,
fig. 25.

Mississippian, Keokuk Group.

Bono, Indiana; Gurley Collection.

Scaphiocrinus bonoensis S. A. Miller and Gurley, 1890

Holotype: UC 6193.

S. A. Miller and Gurley, 1890b, pp. 29–30, pl. 5, figs. 6, 7.

S. A. Miller and Gurley, 1891, pp. 349–350, pl. 5, figs. 6, 7.

= *Pachylocrinus bonoensis* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 579.

Mississippian, Keokuk Group.

Bono, Indiana; Gurley Collection.

Scaphiocrinus boonvillensis S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6249.

Referred specimens: UC 6249, three specimens.

S. A. Miller, 1891b, pp. 37–38, pl. 5, figs. 1, 2.

= *Pachylocrinus boonvillensis* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 579.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Remarks: The three specimens, UC 6249, are labeled as types but cannot be positively identified from Miller's figures.

Scaphiocrinus constrictus S. A. Miller, 1891

Holotype: UC 6250.

S. A. Miller, 1891b, pp. 38-39, pl. 5, figs. 3, 4.

= *Pachylocrinus constrictus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 579.

Referred specimen: UC 6250A.

S. A. Miller, 1891b, pp. 38-39.

= *Pachylocrinus constrictus* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 579.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Scaphiocrinus disparilis S. A. Miller and Gurley, 1890

Holotype, not designated. "Cotypes" are UC 6170B and 6171.

Referred specimen: UC 6170B, on a slab with *S. graphicus*.

S. A. Miller and Gurley, 1890b, p. 52, pl. 10, fig. 2.

S. A. Miller and Gurley, 1891, pp. 367-368, pl. 10, fig. 2.

= *Pachylocrinus disparilis* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 580.

= lectotype of *Scytalocrinus disparilis* (S. A. Miller and Gurley, 1890)

Van Sant in Van Sant and Lane, 1964, pp. 96-97, pl. 5, fig. 4.

Referred specimen: UC 6171.

S. A. Miller and Gurley, 1890b, p. 52, pl. 9, fig. 1.

S. A. Miller and Gurley, 1891, pp. 367-368, pl. 9, fig. 1.

= *Pachylocrinus disparilis* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 580.

= *Scytalocrinus disparilis* (S. A. Miller and Gurley, 1890)

Van Sant in Van Sant and Lane, 1964, pp. 96-97, pl. 5, fig. 6.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Scaphiocrinus gibsoni White, 1878

Holotype: original designation, UC 6342.

White, 1878, pp. 31–32.

White, 1880, pp. 507–508, pl. 7, fig. 7.

White, 1881, pp. 139–140, pl. 7, fig. 7.

White, 1883, pp. 161–162, pl. 40, fig. 4a.

= *Pachylocrinus gibsoni* (White, 1878)

Bassler and Moodey, 1943, p. 580.

Van Sant *in* Van Sant and Lane, 1964, p. 89, pl. 4, fig. 7.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Scaphiocrinus gorbyi S. A. Miller, 1891

Holotype: UC 6159.

S. A. Miller, 1891a, pp. 46–47, pl. 12, fig. 15.

S. A. Miller, 1892a, pp. 656–657, pl. 12, fig. 15.

S. A. Miller, 1892c, p. 681, text fig. 1245.

= *Pachylocrinus gorbyi* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 581.

Mississippian, Keokuk Group.

Boonville, Missouri; Gurley Collection.

Scaphiocrinus graphicus S. A. Miller and Gurley, 1890

Holotype: UC 6170A, on a slab with *S. disparilis*.

S. A. Miller and Gurley, 1890b, pp. 50–51, pl. 10, fig. 4.

S. A. Miller and Gurley, 1891, pp. 366–367, pl. 10, fig. 4.

= *Histocrinus graphicus* (S. A. Miller and Gurley, 1890)

Kirk, 1940, p. 328.

Van Sant *in* Van Sant and Lane, 1964, p. 94, pl. 5, fig. 5.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Scaphiocrinus gurleyi White, 1878

Holotype: original designation, UC 6341.

White, 1878, pp. 32–33.

White, 1880, p. 509, pl. 7, fig. 8.

White, 1881, p. 141, pl. 7, fig. 8.

White, 1883, p. 162, pl. 40, fig. 3a.

= *Pachylocrinus gurleyi* (White, 1878)

Bassler and Moodey, 1943, p. 581.

= *Pachylocrinus aequalis* (Hall, 1861)

Van Sant *in* Van Sant and Lane, 1964, pp. 87–88, pl. 4, fig. 1.

Mississippian, Keokuk Limestone.

Crawfordsville, Indiana; Gurley Collection.

Scaphiocrinus lacunosus S. A. Miller and Gurley, 1890

Holotype, not designated, to be selected from UC 6254.

Referred specimens: UC 6254, three specimens.

S. A. Miller and Gurley, 1890b, p. 47, pl. 8, figs. 8–10.

S. A. Miller and Gurley, 1891, pp. 363–364, pl. 8, figs. 8–10.

= *Pachylocrinus lacunosus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 581.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 161, pl. 64,
figs. 21a–21c.

Mississippian, Keokuk Group.

Bono, Indiana; Gurley Collection.

Scaphiocrinus manus S. A. Miller and Gurley, 1890

Holotype: UC 6173.

S. A. Miller and Gurley, 1890a, pp. 24–25, pl. 4, fig. 13.

S. A. Miller and Gurley, 1890b, pp. 24–25, pl. 4, fig. 13.

S. A. Miller and Gurley, 1891, p. 345, pl. 4, fig. 13.

= *Pachylocrinus manus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 582.

Van Sant *in* Van Sant and Lane, 1964, p. 89, pl. 4, fig. 12.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Scaphiocrinus martinensis S. A. Miller and Gurley, 1894

Holotype: UC 6280.

S. A. Miller and Gurley, 1894a, p. 38, pl. 4, fig. 9.

= *Pachylocrinus martinensis* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 582.

Mississippian, Kaskaskia Group.

Martin County, Indiana; Gurley Collection.

Scaphiocrinus notatus S. A. Miller and Gurley, 1896

Holotype, not designated, to be selected from UC 6477.

Referred specimens: UC 6477, two specimens.

S. A. Miller and Gurley, 1896b, pp. 34–36, pl. 2, figs. 25, 26.

= *Philocrinus notatus* (S. A. Miller and Gurley, 1896)

Laudon and Beane, 1937, pp. 260–261.

= *Graphiocrinus notatus* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 497.

Mississippian, Kinderhook.

LeGrand, Iowa; Gurley Collection.

Scaphiocrinus praemorsus S. A. Miller and Gurley, 1890

Holotype: UC 6163.

S. A. Miller and Gurley, 1890b, p. 48, pl. 8, fig. 11.

S. A. Miller and Gurley, 1891, p. 364, pl. 8, fig. 11.

= *Linocrinus praemorsus* (S. A. Miller and Gurley, 1890)

Kirk, 1938, p. 169.

Moore and Laudon in Shimer and Shrock, 1944, p. 167, pl. 64, fig. 22.

Mississippian, Keokuk Group.

Washington County, Indiana; Gurley Collection.

Scaphiocrinus repertus S. A. Miller and Gurley, 1890

Holotype: UC 6274.

S. A. Miller and Gurley, 1890b, p. 45, pl. 8, figs. 1, 2.

S. A. Miller and Gurley, 1891, p. 362, pl. 8, figs. 1, 2.

= *Pachylocrinus repertus* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 583.

= *Decadocrinus repertus* (S. A. Miller and Gurley, 1890)

Moore and Laudon in Shimer and Shrock, 1944, p. 169, pl. 64, figs. 26a, 26b.

Mississippian, Keokuk Group.

Bono, Indiana; Gurley Collection.

Scaphiocrinus sampsoni S. A. Miller, 1891

Holotype: UC 6968.

S. A. Miller, 1891a, p. 46, pl. 9, fig. 12.

S. A. Miller, 1892a, p. 656, pl. 9, fig. 12.

= *Pachylocrinus sampsoni* (S. A. Miller, 1891)

Peek and Keyte *in* Branson, 1938, p. 107, pl. 31, fig. 19.

Mississippian, Chouteau Limestone.

Pettis County, Missouri; Sampson Collection.

Scaphiocrinus spinifer Wetherby, 1880

Holotype: UC 6404.

Wetherby, 1880a, pp. 157-158, pl. 5, fig. 5.

= *Dasciocrinus spinifer* (Wetherby, 1880)

Kirk, 1939, p. 472.

Mississippian, Kaskaskia (Chester) Group.

Pulaski County, Kentucky; Gurley Collection.

Sciadiocrinus? crassacanthus Moore and Plummer, 1938

See: *Hydreionocrinus* sp.

Sciadiocrinus disculus Moore and Plummer, 1940

Holotype: original designation, UC 31495.

Moore and Plummer, 1940, pp. 230-232, text fig. 51, pl. 10, figs. 5a-5c.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 165, pl. 64, figs. 7a, 7b.

Pennsylvanian, Canyon Group, Graford Formation, Merriman Limestone [Moore and Plummer in plate legend: Brad Formation].

Moore and Plummer, 1940 locality 181-T-31, about 2³/₄ miles in a direct line northwest of Graford, Palo Pinto County, Texas.

Scyphocrinites clarkii (Hall, 1879)

See: *Camarocrinus clarkii* Hall, 1879

Scyphocrinites pratteni (McChesney, 1860)

See: *Camarocrinus saffordi* Hall, 1879

Scyphocrinus pratteni (McChesney, 1860)

See: *Camarocrinus clarkii* Hall, 1879

Camarocrinus saffordi Hall, 1879

Scyphocrinus sp.

Referred specimens: UC 21041, two specimens.

Tansey *in* Branson, 1924, pp. 180–181, pl. 43, figs. 5, 6.

Referred specimens: UC 21096, four specimens.

Tansey *in* Branson, 1924, pp. 180–181, pl. 42, figs. 10, pl. 43, figs. 1–4.

Devonian, Bailey Limestone (chert).

Little Saline Creek in Missouri; collected by University of Chicago Ste. Genevieve County, Missouri, field classes.

Scytalocrinus? bellulus (S. A. Miller and Gurley, 1894)

See: *Zeacrinus bellulus* S. A. Miller and Gurley, 1894

Scytalocrinus disparilis (S. A. Miller and Gurley, 1890)

See: *Scaphiocrinus disparilis* S. A. Miller and Gurley, 1890

Scytalocrinus maccabei (S. A. Miller and Gurley, 1894)

See: *Poteriocrinus hammondi* S. A. Miller and Gurley, 1894

Poteriocrinus maccabei S. A. Miller and Gurley, 1894

Poteriocrinus maccabei var. *decrepitus* S. A. Miller and Gurley, 1894

Scytalocrinus robustus (Hall, 1861)

Referred specimens: UC 3222 A and B, two specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 97–98.

Referred specimen: UC 51823.

Van Sant *in* Van Sant and Lane, 1964, pp. 97–98.

Mississippian, Keokuk.

Crawfordsville, Indiana.

Referred specimen: UC 51828 [not UC 51826 on plate].

Van Sant *in* Van Sant and Lane, 1964, pp. 97–98, pl. 5, fig. 15.

Mississippian, Keokuk Group.

Hall locality 751, “Crawfordsville, Indiana. Mohr Collection.”; Hall Collection.

Scytalocrinus sansabensis Moore and Plummer, 1938

Holotype: original designation, UC 31721.

Moore and Plummer, 1938, pp. 247-250, text fig. 9, pl. 14, fig. 9a.

Moore and Plummer, 1940, pp. 131-133.

Referred specimen: UC 31721A.

Moore and Plummer, 1938, pp. 247-250, pl. 14, fig. 9b.

Moore and Plummer, 1940, pp. 131-133.

Pennsylvanian, Bend Group, Marble Falls Limestone, upper middle part.

Plummer and Moore, 1921 locality 151-M-1, on Rough Creek, San Saba County, about 15 miles southeast of the town of San Saba, Texas [Moore and Plummer, 1938]; Moore and Plummer, 1940 locality 205-T-17, on Bend-Saba Road, about 11 miles southeast of San Saba in valley of Rough Creek, San Saba County, Texas.

Scytalocrinus vanhornei (Worthen, 1875)

See: *Poteriocrinus vanhornei* Worthen, 1875

Scytalocrinus wachsmuthi Wetherby, 1880

Holotype: UC 6405.

Wetherby, 1880a, pp. 155-157, pl. 5, fig. 4.

= *Phacelocrinus wachsmuthi* (Wetherby, 1880)

Kirk, 1940, p. 330.

Referred specimen: UC 6405A.

Wetherby, 1880a, pp. 155-157.

= *Phacelocrinus wachsmuthi* (Wetherby, 1880)

Kirk, 1940, p. 330.

Mississippian, Kaskaskia (Chester) Group.

Pulaski County, Kentucky; Gurley Collection.

Spaniocrinus? trinodus (S. Weller, 1909)

See: *Erisocrinus trinodus* S. Weller, 1909

Staphylocrinus supratumulosus (Sutton and Winkler, 1940)

See: *Phanocrinus supratumulosus* Sutton and Winkler, 1940

Steganocrinus pentagonus (Hall, 1858)

Referred specimen: UC 8979B.

Brower, 1965, pp. 776–780.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

See also: *Actinocrinus pentagonus* Hall, 1858

Steganocrinus sculptus (Hall, 1858)

See: *Actinocrinus sculptus* Hall, 1858

Steganocrinus spergenesis S. A. Miller and Gurley, 1896

Holotype: UC 6455.

S. A. Miller and Gurley, 1896a, pp. 29–30, pl. 2, figs. 4–7.

= *Actinocrinus spergenensis* (S. A. Miller and Gurley, 1896)

Kirk, 1943a, p. 264.

= *Actinocrinites spergenensis* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 274.

Brower, 1965, p. 791.

Mississippian, St. Louis Limestone [Salem Limestone]; Harrodsburg Limestone [Brower].

Spergen Hill, Indiana; Gurley Collection.

Stellarocrinus angulatus (S. A. Miller and Gurley, 1894)

See: *Aesiocrinus angulatus* S. A. Miller and Gurley, 1894

Stephanocrinus cornetti S. A. Miller, 1892

Referred specimens: UC 6031, two specimens.

S. A. Miller, 1892b, pp. 12–13, pl. 2, figs. 10, 11.

S. A. Miller, 1894, pp. 266–267, pl. 2, figs. 10, 11.

Silurian, Niagara Group.

Madison, Indiana; Gurley Collection.

Remarks: UC 6301 consists of two of the three original specimens used by Miller.

Stephanocrinus elongatus S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6119.

Referred specimens: UC 6119, four specimens.

S. A. Miller, 1891a, p. 24, pl. 6, fig. 5.

S. A. Miller, 1892a, p. 634, pl. 6, fig. 5.

Silurian, Niagara Group.

Near Madison, Indiana; Gurley Collection.

Stephanocrinus hammelli S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6118.

Referred specimens: UC 6118, two specimens.

S. A. Miller, 1891a, pp. 25–26, pl. 6, figs. 7–9.

S. A. Miller, 1892a, pp. 635–636, pl. 6, figs. 7–9.

S. A. Miller, 1897, p. 753, text fig. 1395.

Silurian, Niagara Group.

Near Madison, Indiana; Gurley Collection.

Stephanocrinus obconicus Slocum, 1908

Holotype: original designation, P 8416.

Slocum, 1908, pp. 281–282, pl. 84, figs. 12, 13.

Silurian, Niagaran Limestone (in clay pockets).

Romeo, Illinois; collected by Slocum, 1905.

Stephanocrinus obpyramidalis S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6120.

Referred specimens: UC 6120, two specimens.

S. A. Miller, 1891a, p. 24, pl. 6, fig. 6.

S. A. Miller, 1892a, p. 634, pl. 6, fig. 6.

Silurian, Niagara Group.

Near Madison, Indiana; Gurley Collection.

Stephanocrinus osgoodensis S. A. Miller, 1879

Referred specimen: UC 6651.

S. Weller, 1900, pp. 151–152, pl. 15, fig. 14.

Silurian, Niagaran.

Romeo, Illinois; J. H. Handwerk, donor.

Stephanocrinus skiffi Slocum, 1908

Holotype: original designation, P 8479.

Slocum, 1908, pp. 282–284, pl. 84, figs. 16–20.

Referred specimens: P 8479A, two specimens.

Slocum, 1908, pp. 282–284.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal, near Lemont, Illinois; collected by Slocum, 1905.

Stereocrinus indianensis S. A. Miller and Gurley, 1897

Holotype, not designated, to be selected from UC 6068.

Referred specimens: UC 6068, seven specimens.

S. A. Miller and Gurley, 1897, pp. 38–39, pl. 3, figs. 13–15.

= *Comanthocrinus indianensis* (S. A. Miller and Gurley, 1897)

Springer, 1921, pp. 6–7.

Goldring, 1923, pp. 192–197, pl. 24, fig. 6.

Devonian, Hamilton Group.

Near Charlestown, Indiana; Gurley Collection.

Stiptocrinus benedicti (S. A. Miller, 1892)

See: *Saccocrinus benedicti* S. A. Miller, 1892

Stiptocrinus chicagoensis (S. Weller, 1900)

See: *Periechocrinus chicagoensis* S. Weller, 1900

Stiptocrinus farringtoni (Slocum, 1908)

See: *Habrocrinus farringtoni* Slocum, 1908

Stuartwellercrinus symmetricus (S. Weller, 1909)

See: *Cibolocrinus symmetricus* S. Weller, 1909

Stuartwellercrinus texanus (S. Weller, 1909)

See: *Cibolocrinus texanus* S. Weller, 1909

Stuartwellercrinus turbinatus (S. Weller, 1909)

See: *Cibolocrinus turbinatus* S. Weller, 1909

Cibolocrinus symmetricus S. Weller, 1909

Synbathocrinus angularis S. A. Miller and Gurley, 1894

Holotype: UC 6481.

S. A. Miller and Gurley, 1894c, pp. 42–43, pl. 4, figs. 3, 4.

Mississippian, Keokuk Group.

Button Mould Knob, Kentucky; Gurley Collection.

Synbathocrinus blairi S. A. Miller, 1891

Holotype, not designated, to be selected from UC 6147.

Referred specimens: UC 6147, three specimens.

S. A. Miller, 1891b, pp. 32–33, pl. 4, figs. 13–15.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Synbathocrinus dentatus Owen and Shumard, 1852

Holotype: UC 6369.

Owen and Shumard, 1852a, pp. 93–94, pl. 11, figs. 7a, 7b.

Owen and Shumard, 1852b, pp. 597–598, tbl. 5B, figs. 7a, 7b.

Mississippian, Subcarboniferous limestone, encrinital beds [published]; Burlington Limestone [catalogue].

Burlington, Iowa; Gurley Collection.

Referred specimen: UC 4716.

S. Weller, 1909, p. 278, pl. 11, fig. 20.

Mississippian, Fern Glen Formation.

S. Weller locality 9, near Kimmswick, Missouri; collected by S. Weller, 1896.

Synbathocrinus granuliferus Wetherby, 1880

Holotype: original designation, UC 6410.

Wetherby, 1880b, pp. 250–251, pl. 16, figs. 3, 3a.

Mississippian, Kinderhook Group.

King's Mountain Tunnel on the Cincinnati Southern Railway, Kentucky; Gurley Collection.

Synbathocrinus swallovi Hall, 1858

Referred specimen: UC 8908.

Van Sant *in* Van Sant and Lane, 1964, pp. 71–72, pl. 1, fig. 6.

Mississippian, Keokuk.

Crawfordsville, Indiana; Gurley Collection.

Talarocrinus cornigerous (Shumard, 1857)

Referred specimen: UC 25373.

S. Weller, 1920, p. 340, pl. 6, fig. 35.

Mississippian, Renault Limestone.

Near Modoc [published]; $1\frac{1}{2}$ miles southeast of Modoc [catalogue], Randolph County, Illinois; collected by S. Weller, 1912.

Talarocrinus inflatus Ulrich, 1918

Referred specimen: UC 7070.

S. Weller, 1920, pp. 337–338, pl. 6, figs. 1–3.

Mississippian, Renault Formation.

Monroe County, Illinois; Gurley Collection.

Referred specimens: UC 25370, two specimens.

S. Weller, 1920, pp. 337–338, pl. 6, figs. 4, 5.

Mississippian, Renault Formation.

S. Weller locality W609, two miles east of Waterloo, Monroe County, Illinois; collected by S. Weller, 1912.

Referred specimens: UC 25371.

S. Weller, 1920, pp. 337–338, pl. 6, fig. 8.

Mississippian, Renault Formation.

S. Weller locality W532, near Bixby, St. Clair County, Illinois; collected by S. Weller, 1911.

Referred specimens: UC 25372, two specimens.

S. Weller, 1920, pp. 337–338, pl. 6, figs. 11–13.

Mississippian, Renault Formation.

Near Anna, Union County, Illinois; collected by J. A. Udden.

Talarocrinus ovatus Worthen, 1883

Referred specimen: UC 25374.

S. Weller, 1920, pp. 340–341, pl. 6, figs. 31–33.

Mississippian, Paint Creek Formation.

Five miles east of Waterloo, Monroe County, Illinois [published];

S. Weller locality W572, $2\frac{1}{2}$ miles south of Floraville, Illinois [catalogue]; collected by S. Weller, 1911.

Talarocrinus patei S. A. Miller and Gurley, 1897

Holotype, not designated, to be selected from UC 6337.

Referred specimens: UC 6337, ten specimens.

S. A. Miller and Gurley, 1897, pp. 44–45, pl. 3, figs. 9–12.

Mississippian, Kaskaskia Group.

Breckenridge County, Kentucky; Gurley Collection.

Talarocrinus planus S. Weller, 1920

Holotype: original designation, UC 25375.

S. Weller, 1920, p. 342, pl. 6, figs. 14-16.

Mississippian, Paint Creek Formation.

Three-fourths of mile southeast of Commons School, Randolph County, Illinois [published]; S. Weller locality W606, three miles east of Prairie du Rocher, Illinois [catalogue]; collected by S. Weller, 1912.

Talarocrinus trijugis S. A. Miller and Gurley, 1894

Holotype: UC 6206.

S. A. Miller and Gurley, 1894a, pp. 45-46, pl. 3, figs. 9-11.

S. Weller, 1920, pp. 338-339, pl. 6, figs. 17-19.

Mississippian, St. Louis Group [Miller and Gurley]; Renault Limestone [S. Weller].

At Rose Clare [Miller and Gurley]; near Rosielare [S. Weller], Hardin County, Illinois; Gurley Collection.

Referred specimen: UC 25378.

S. Weller, 1920, pp. 338-339, pl. 6, figs. 22-24.

Mississippian, Renault Limestone.

Near Anna, Union County, Illinois; collected by J. A. Udden.

Referred specimens: UC 25379, three specimens.

S. Weller, 1920, pp. 338-339, pl. 6, fig. 25.

Mississippian, Renault Limestone.

Ohio River bank just above the mouth of Grand Pierre Creek, Pope County, Illinois; collected by S. Weller, 1915.

Referred specimens: UC 25380, two specimens.

S. Weller, 1920, pp. 338-339, pl. 6, fig. 26.

Mississippian, Renault Limestone.

Cache River bluff, six miles south of Vienna, Johnson County, Illinois [published]; C. B. and Q. R. R. cut, five miles south of Vienna, Illinois [catalogue]; collected by S. Weller, 1915.

Talarocrinus sp.

Referred specimen: UC 25381.

S. Weller, 1920, pl. 6, fig. 34.

Mississippian, Paint Creek Limestone.

S. Weller locality W606, three miles east of Prairie du Rocher, Illinois; collected by S. Weller, 1912.

Taxocrinus colletti White, 1880

“Neotype”: designated by Van Sant, 1964, p. 103, UC 26479.

Van Sant *in* Van Sant and Lane, 1964, pp. 103–104, pl. 6, fig. 5.

Mississippian, Keokuk.

Crawfordsville, Indiana; Hall Collection.

Referred specimen: UC 8935.

Van Sant *in* Van Sant and Lane, 1964, pp. 103–104.

Referred specimens: UC 51835A–C, three specimens.

Van Sant *in* Van Sant and Lane, 1964, pp. 103–104, pl. 6, fig. 1.

Mississippian, Keokuk.

Crawfordsville, Indiana.

See also: *Taxocrinus splendens* S. A. Miller and Gurley, 1896.

Taxocrinus crawfordsvillensis S. A. Miller and Gurley, 1894

Holotype: UC 6257.

S. A. Miller and Gurley, 1894a, pp. 49–51, pl. 4, fig. 3.

= *Parichthyocrinus crawfordsvillensis* (S. A. Miller and Gurley, 1894)

Springer, 1920, p. 416, pl. 63, fig. 5.

= *Parichthyocrinus? crawfordsvillensis* (S. A. Miller and Gurley, 1894)

Van Sant *in* Van Sant and Lane, 1964, p. 102.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Taxocrinus giddingsi (Hall, 1858)

See: *Forbesocrinus elegantulus* S. A. Miller, 1891

Taxocrinus intermedius Wachsmuth and Springer, 1889

Referred specimen: UC 6310.

Wachsmuth and Springer, 1889, pp. 344–345.

Wachsmuth and Springer, 1890, pp. 199–200.

Springer, 1920, pp. 389–391, pl. 53, fig. 4.

Laudon and Beane, 1937, pp. 252-253, pl. 18, fig. 1.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 177, pl. 69, fig. 1.

= *Taxocrinus* (?) *intermedius* Wachsmuth and Springer, 1889
Wachsmuth and Springer, 1890, pl. 15, fig. 11.

Mississippian, Kinderhook.

Le Grand, Iowa; Gurley Collection.

Taxocrinus splendens S. A. Miller and Gurley, 1896

Holotype: UC 6460.

S. A. Miller and Gurley, 1896a, pp. 61-62, pl. 5, figs. 3, 4.

= *Taxocrinus cilletti* White, 1880

Springer, 1920, pp. 398-403.

Van Sant *in* Van Sant and Lane, 1964, pp. 103-104.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Taxocrinus subovatus S. A. Miller and Gurley, 1890

Holotype: UC 6192.

S. A. Miller and Gurley, 1890b, pp. 26-27, pl. 5, fig. 3.

S. A. Miller and Gurley, 1891, p. 347, pl. 5, fig. 3.

= *Parichthyocrinus subovatus* (S. A. Miller and Gurley, 1890)

Springer, 1920, pp. 415-416, pl. 62, fig. 4.

Mississippian, Keokuk Group.

Canton, Indiana; Gurley Collection.

Taxocrinus ungula S. A. Miller and Gurley, 1896

Holotype: UC 6461.

S. A. Miller and Gurley, 1896a, pp. 59-61, pl. 5, figs. 1, 2.

Springer, 1920, pp. 397-398, pl. 55, fig. 1.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Gurley Collection.

Remarks: Van Sant *in* Van Sant and Lane, 1964, p. 104, says this species is found in the Indian Creek beds, not at Crawfordsville, Indiana.

Taxocrinus wetherbyi S. A. Miller and Gurley, 1895

Holotype: UC 6452.

S. A. Miller and Gurley, 1895a, pp. 41–42, pl. 4, figs. 3–5.

S. A. Miller, 1897, p. 754, text figs. 1399, 1400.

= *Taxocrinus whitfieldi* (Hall, 1858)

Springer, 1920, pp. 408–409.

Referred specimen: UC 6452A.

S. A. Miller and Gurley, 1895a, pp. 41–42.

= *Taxocrinus whitfieldi* (Hall, 1858)

Springer, 1920, pp. 408–409.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Taxocrinus whitfieldi (Hall, 1858)

See: *Forbesiocrinus parvus* Wetherby, 1879

Taxocrinus wetherbyi S. A. Miller and Gurley, 1895

Tholocrinus spinosus (Wood, 1909)

See: *Hydreionocrinus depressus* Wetherby, 1881

Tholocrinus wetherbyi (Wachsmuth and Springer, 1886)

See: *Hydreionocrinus armiger* (Meek and Worthen, 1870)

Thysanocrinus campanulatus Slocum, 1908

Holotype: original designation, P 8891.

Slocum, 1908, pp. 299–301, pl. 85, figs. 20–23.

= *Dimerocrinus campanulatus* (Slocum, 1908)

Bassler, 1915, p. 439.

= *Dimerocrinites campanulatus* (Slocum, 1908)

Bassler and Moodey, 1943, p. 424.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal, about one mile east of Lemont, Illinois; collected by Slocum, 1906.

Thysanocrinus inornatus (Hall, 1863)

Referred specimens: UC 6395, two specimens.

Wachsmuth and Springer, 1897, pp. 193–194, pl. 18, figs. 6a–6d.

= *Dimerocrinus inornatus* (Hall, 1863)

Bassler, 1915, p. 439.

= *Dimerocrinites inornatus* (Hall, 1863)

Bassler and Moodey, 1943, p. 425.

Silurian, Niagaran.

Waldron, Indiana; Gurley Collection.

See also: *Cyathocrinus waldronensis* S. A. Miller and Dyer, 1878

Thysanocrinus pentangularis (Hall, 1867)

Referred specimen: UC 6583.

S. Weller, 1900, pp. 70–73, pl. 1, fig. 8.

= *Dimerocrinus pentangularis* (Hall, 1867)

Bassler, 1915, p. 440.

= *Dimerocrinites pentangularis* (Hall, 1867)

Bassler and Moodey, 1943, p. 426.

Silurian, Niagaran.

Chicago, Illinois; gift of H. H. Hindshaw.

Ulocrinus americanus (S. Weller, 1909)

See: *Phialocrinus americanus* S. Weller, 1909

Ulocrinus blairi S. A. Miller and Gurley, 1894

Holotype: UC 6468.

S. A. Miller and Gurley, 1894a, pp. 57–58, pl. 5, figs. 16–18.

= *Parulocrinus blairi* (S. A. Miller and Gurley, 1894)

Moore and Plummer, 1940, pp. 360–363, pl. 19, figs. 5a, 5b.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 175, pl. 64, figs. 37a, 37b.

Upper Coal Measures [S. A. Miller and Gurley]; Pennsylvanian, Missouri Series [Moore and Plummer].

Near the state line of Kansas and Missouri, southwest of Sedalia, Missouri [S. A. Miller and Gurley]; near McClellan Springs, Cass County, Missouri [Moore and Plummer]; Gurley Collection.

Ulocrinus buttsi S. A. Miller and Gurley, 1890

Holotype: UC 6161.

S. A. Miller and Gurley, 1890a, pp. 7–8, pl. 1, figs. 5, 6.

S. A. Miller and Gurley, 1890b, pp. 7–8, pl. 1, figs. 5, 6.

S. A. Miller and Gurley, 1891, pp. 331–332, pl. 1, figs. 5, 6.

S. A. Miller, 1892c, p. 683, text fig. 1252.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 175, pl. 56, fig. 27.

Upper Coal Measures [Pennsylvanian].

Kansas City, Missouri; Gurley Collection.

Ulocrinus kansasensis S. A. Miller and Gurley, 1890

Holotype: UC 6232.

S. A. Miller and Gurley, 1890a, pp. 8–9, pl. 1, figs. 7–10.

S. A. Miller and Gurley, 1890b, pp. 8–9, pl. 1, figs. 7–10.

S. A. Miller and Gurley, 1891, p. 332, pl. 1, figs. 7–10.

S. A. Miller, 1892c, p. 683, text fig. 1253.

Bassler and Moodey, 1943, p. 719.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 175, pl. 56, figs. 26a–26c.

= *Cromyocrinus kansasensis* (S. A. Miller and Gurley, 1890)

Keyes, 1894, pp. 216–217.

Upper Coal Measures [Pennsylvanian].

Kansas City, Missouri; Gurley Collection.

Ulocrinus occidentalis S. A. Miller and Gurley, 1894

Holotype, not designated, to be selected from UC 6283.

Referred specimens: UC 6283, three specimens.

S. A. Miller and Gurley, 1894a, pp. 58–59, pl. 6, figs. 6–8.

Upper Coal Measures [Pennsylvanian].

Gilpin, Missouri; Gurley Collection.

Ulrichicrinus coryphaeus (S. A. Miller, 1891)

See: *Poteriocrinus coryphaeus* S. A. Miller, 1891

Uperocrinus longirostris (Hall, 1858)

See: *Actinocrinus longirostris* Hall, 1858

Uperocrinus marinus (S. A. Miller and Gurley, 1890)

See: *Batocrinus marinus* S. A. Miller and Gurley, 1890

Utharocrinus pentanodus (Mather, 1915)

See: *Delocrinus pentanodus* Mather, 1915

Wachsmuthicrinus spinosulus (S. A. Miller and Gurley, 1894)

See: *Ichthyocrinus spinosulus* S. A. Miller and Gurley, 1894

Whiteocrinus angulatus (S. A. Miller and Gurley, 1894)

See: *Aesiocrinus angulatus* S. A. Miller and Gurley, 1894

Zeacrinites acuminatus (Sutton and Hagan, 1939)

See: *Zeacrinus acuminatus* Sutton and Hagan, 1939

Zeacrinites brevilatus (Sutton and Hagan, 1939)

See: *Zeacrinus brevilatus* Sutton and Hagan, 1939

Zeacrinites doverensis (S. A. Miller and Gurley, 1896)

See: *Zeacrinus doverensis* S. A. Miller and Gurley, 1896

Zeacrinites dubius (S. A. Miller and Gurley, 1890)

See: *Zeacrinus dubius* S. A. Miller and Gurley, 1890

Zeacrinites grandiculus (S. A. Miller and Gurley, 1894)

See: *Zeacrinus grandiculus* S. A. Miller and Gurley, 1894

Zeacrinites kentuckiensis (S. A. Miller and Gurley, 1896)

See: *Zeacrinus kentuckiensis* S. A. Miller and Gurley, 1896

Zeacrinites lineatus (Sutton and Hagan, 1939)

See: *Zeacrinus lineatus* Sutton and Hagan, 1939

Zeacrinites obesus (S. A. Miller and Gurley, 1894)

See: *Zeacrinus obesus* S. A. Miller and Gurley, 1894

Zeacrinites peculiaris (S. A. Miller and Gurley, 1896)

See: *Zeacrinus peculiaris* S. A. Miller and Gurley, 1896

Zeacrinites pocillum (S. A. Miller, 1891)

See: *Zeacrinus pocillum* S. A. Miller, 1891

Zeacrinites trapeziatus (Sutton and Hagan, 1939)

See: *Zeacrinus trapeziatus* Sutton and Hagan, 1939

Zeacrinus acuminatus Sutton and Hagan, 1939

Holotype: original designation, UC 26847.

Sutton and Hagan, 1939, pp. 90–91. text fig. 5, pl. 15 [not 1],
figs. 4–6.

= *Zeacrinites acuminatus* (Sutton and Hagan, 1939)

Bassler and Moodey, 1943, p. 726.

Mississippian, Golconda Limestone.

S. Weller locality 17-2. 2½ miles northeast of Gowansville.
Illinois; collected by S. Weller, 1917.

Zeacrinus bellulus S. A. Miller and Gurley, 1894

Holotype: UC 6278.

S. A. Miller and Gurley, 1894a, pp. 34–35, pl. 3. fig. 8.

= *Scytalocrinus?* *bellulus* (S. A. Miller and Gurley, 1894)

Sutton and Hagan, 1939, p. 83.

= *Phanocrinus bellulus* (S. A. Miller and Gurley, 1894)

Sutton and Winkler, 1940, pp. 554–555. pl. 66, figs. 1, 2.

Mississippian, Kaskaskia Group.

Near Shoals, Martin County, Indiana; Gurley Collection.

Zeacrinus brevilatus Sutton and Hagan, 1939

Holotype: original designation, UC 19126.

Sutton and Hagan, 1939, pp. 92–93, text fig. 8, pl. 15, figs. 1–3.

= *Zeacrinites brevilatus* (Sutton and Hagan, 1939)

Bassler and Moodey, 1943, p. 726.

Mississippian, Chester Series (Glen Dean).

Sloans Valley, Kentucky; Gurley Collection.

Zeacrinus commaticus S. A. Miller, 1891

Holotype: UC 6248A.

S. A. Miller, 1891b, pp. 36–37, pl. 5, figs. 10, 11.

= *Eratocrinus commaticus* (S. A. Miller, 1891)

Kirk, 1938, p. 165.

Referred specimens: UC 6248, two specimens.

S. A. Miller, 1891b, pp. 36–37.

= *Eratocrinus commaticus* (S. A. Miller, 1891)

Kirk, 1938, p. 165.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Zeacrinus cylindricus S. A. Miller and Gurley, 1894

Holotype, not designated, to be selected from UC 6412.

Referred specimens: UC 6412, two specimens.

S. A. Miller and Gurley, 1894c, pp. 38–39, pl. 3, figs. 19–21.

= *Phanocrinus cylindricus* (S. A. Miller and Gurley, 1894)

Sutton and Winkler, 1940, pp. 553–554, pl. 66, figs. 11, 12.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Zeacrinus doverensis S. A. Miller and Gurley, 1896

Holotype: UC 6457.

S. A. Miller and Gurley, 1896a, pp. 35–36, pl. 2, figs. 20–22.

= *Zeacrinites doverensis* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 727.

Mississippian, Kaskaskia Group.

Dover Hill, Indiana; Gurley Collection.

Zeacrinus dubius S. A. Miller and Gurley, 1890

Holotype: UC 6194.

S. A. Miller and Gurley, 1890b, pp. 44–45, pl. 7, figs. 7, 8.

S. A. Miller and Gurley, 1891, pp. 361–362, pl. 7, figs. 7, 8.

= *Zeacrinites dubius* (S. A. Miller and Gurley, 1890)

Bassler and Moodey, 1943, p. 727.

Mississippian, Keokuk Group.

Bono, Indiana; Gurley Collection.

Zeacrinus durabilis S. A. Miller and Gurley, 1895

Holotype, not designated, to be selected from UC 6482.

Referred specimens: UC 6482, two specimens.

S. A. Miller and Gurley, 1895a, pp. 48–49, pl. 4, figs. 14, 15.

= *Eupachyrinus durabilis* (S. A. Miller and Gurley, 1895)

Sutton and Winkler, 1940, pp. 549–550, pl. 66, figs. 18, 19.

= *Eupachyrinus spartarius* (S. A. Miller, 1879)

Burdick and Strimple, 1969, p. 6.

Mississippian, Kaskaskia.

Sloans Creek, Pulaski County, Kentucky; Gurley Collection.

Zeacrinus grandiculus S. A. Miller and Gurley, 1894

Holotype: UC 6448.

S. A. Miller and Gurley, 1894c, pp. 32–33, pl. 2, figs. 31, 32.

S. A. Miller, 1897, p. 755, text fig. 1404.

= *Zeacrinites grandiculus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 727.

Mississippian, Kaskaskia Group.

Bowling Green, Kentucky; Gurley Collection.

Zeacrinus kentuckiensis S. A. Miller and Gurley, 1896

Holotype: UC 6415.

S. A. Miller and Gurley, 1896a, pp. 37–38, pl. 2, figs. 23, 24.

= *Zeacrinites kentuckiensis* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 727.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Zeacrinus lineatus Sutton and Hagan, 1939

Holotype: original designation, UC 19125.

Sutton and Hagan, 1939, pp. 89–90, text fig. 4, pl. 15, figs. 7, 8.

= *Zeacrinites lineatus* (Sutton and Hagan, 1939)

Bassler and Moodey, 1943, p. 727.

Mississippian, Chester Series, Glen Dean Formation.

Pulaski County, Kentucky; Gurley Collection.

Zeacrinus nitidus S. A. Miller and Gurley, 1894

Holotype: UC 19131.

S. A. Miller and Gurley, 1894, pp. 36–38, pl. 6, figs. 3, 4.

= *Phanoerinus nitidus* (S. A. Miller and Gurley, 1894)

Sutton and Winkler, 1940, p. 555, pl. 67, figs. 12, 13.

Moore and Laudon in Shimer and Shrock, 1944, p. 171, pl. 64, figs. 35a, 35b.

= *Pentaramicrinus nitidus* (S. A. Miller and Gurley, 1894)

Burdick and Strimple, 1969, p. 9.

Mississippian, Chester Group.

Randolph County, Illinois; Gurley Collection.

Zeacrinus obesus S. A. Miller and Gurley, 1894

Holotype: UC 6281.

S. A. Miller and Gurley, 1894, pp. 35–36, pl. 4, figs. 6–8.

= *Zeacrinites obesus* (S. A. Miller and Gurley, 1894)

Bassler and Moodey, 1943, p. 728.

Mississippian, Kaskaskia Group.

Flag Pond, Virginia; Gurley Collection.

Zeacrinus peculiaris S. A. Miller and Gurley, 1896

Holotype: UC 6414.

S. A. Miller and Gurley, 1896a, pp. 34–35, pl. 2, figs. 17–19.

= *Zeacrinites peculiaris* (S. A. Miller and Gurley, 1896)

Bassler and Moodey, 1943, p. 728.

Mississippian, Kaskaskia Group.

Pulaski County, Kentucky; Gurley Collection.

Zeacrinus pocillum S. A. Miller, 1891

Holotype: UC 6148.

S. A. Miller, 1891b, p. 28, pl. 4, figs. 1, 2.

= *Sarocrinus pocillum* (S. A. Miller, 1891)

Kirk, 1942, p. 383.

= *Zeacrinites pocillum* (S. A. Miller, 1891)

Bassler and Moodey, 1943, p. 728.

Mississippian, Keokuk Group.

Boonville, Cooper County, Missouri; Gurley Collection.

Zeacrinus pulaskiensis S. A. Miller and Gurley, 1895

Holotype: UC 6483.

S. A. Miller and Gurley, 1895a, pp. 47–48, pl. 4, figs. 12, 13.

S. A. Miller, 1897, p. 755, text fig. 1405.

= *Pentaramicrinus pulaskiensis* (S. A. Miller and Gurley, 1895)

Sutton and Winkler, 1940, p. 559, pl. 66, figs. 1, 2.

= *Pentaramicrinus gracilis* (Wetherby, 1880)

Burdick and Strimple, 1969, p. 9.

Mississippian, Kaskaskia Group.

Sloans Creek, Pulaski County, Kentucky; Gurley Collection.

Zeacrinus salemensis S. A. Miller and Gurley, 1894

Holotype: UC 6467.

S. A. Miller and Gurley, 1894b, pp. 37–38, pl. 3, fig. 17.

= *Eratocrinus salemensis* (S. A. Miller and Gurley, 1894)

Kirk, 1938, p. 166.

Mississippian, Keokuk Group.

Salem, Indiana; Gurley Collection.

Zeacrinus spinosus (Owen and Shumard, 1852)

See: *Poteriocrinus spinosus* Owen and Shumard, 1852

Zeacrinus trapeziatus Sutton and Hagan, 1939

Holotype: original designation, UC 9402.

Sutton and Hagan, 1939, pp. 88–89, text fig. 3, pl. 15, figs. 15–17.

= *Zeacrinites trapeziatus* (Sutton and Hagan, 1939)

Bassler and Moodey, 1943, p. 728.

Mississippian, Chester Series.

Monroe County, Illinois; Gurley Collection.

Zeacrinus sp.

Referred specimen: UC 9423.

Sutton and Hagan, 1939, pl. 15, fig. 14.

Mississippian, Kaskaskia.

Pulaski County, Kentucky; Gurley Collection.

Zophocrinus globosus Slocum, 1908

Holotype: original designation, P 8480A.

Slocum, 1908, p. 285, pl. 85, figs. 15–19.

Referred specimens: P 8480, 11 specimens.

Slocum, 1908, p. 285.

Silurian, Niagaran Limestone.

In spoil heaps along the Chicago Drainage Canal, about 1½ miles east of Lemont, Illinois; collected by Slocum.

Remarks: The figures do not match any of the specimens exactly; the holotype cannot be separated from the referred specimens.

Zophocrinus howardi S. A. Miller, 1891

Referred specimen: UC 6652.

S. Weller, 1900, pp. 152-153, pl. 15, fig. 13.

Silurian, Niagaran.

Lemont, Illinois; J. H. Handwerk, donor.

Zophocrinus pyriformis Slocom, 1908

Holotype: original designation, P 8415.

Slocom, 1908, pp. 285-286, pl. 85, figs. 12-14.

Silurian, Niagaran Limestone (in clay pockets).

Romeo, Illinois; collected by Slocom, 1905.

CATALOGUE OF CRINOID FRAGMENTS

Crinoid Base

Referred specimen: UC 6112.

S. A. Miller and Gurley, 1894a, pp. 31–32, pl. 3, figs. 13, 14.
Devonian, Hamilton Group.
Louisville, Kentucky; Gurley Collection.

Crinoid Column “Aa”

Referred specimen: UC 27042.

Slocum *in* Slocum and Foerste, 1924, p. 341, pl. 30, figs. 1, 2.
Ordovician, Upper Maquoketa Shale.
Patterson’s Springs near Brainard, Iowa; gift of A. G. Becker.

Crinoid Column “Ab”

Referred specimens: UC 24702, five columnals.

Slocum *in* Slocum and Foerste, 1924, pp. 341–342, pl. 30, fig. 10.
Ordovician, Lower Maquoketa Shale.
Clermont, Iowa; gift of A. G. Becker.

Crinoid Plate [*Delocrinus dubius* Mather, 1915]

Referred specimen: UC 16187.

Mather, 1915, p. 109, pl. 2, figs. 4, 4a.

= *Delocrinus? pendens* Moore and Plummer, 1938

Moore and Plummer, 1938, pp. 292–293.

Bassler and Moodey, 1943, p. 411.

= *Acantharthropterum pendens* (Moore and Plummer, 1938)

Moore and Plummer, 1940, pp. 78 and 255.

Pennsylvanian, Morrow Formation.

Mather, 1915 station 301, near Ft. Gibson, Oklahoma; Mather,
donor.

Crinoid plate

Referred specimen: UC 16184, primibrachial plate.

Mather, 1915, p. 109, pl. 2, figs. 3, 3a.

Pennsylvanian, Brentwood Limestone.

Mather, 1915 station 147, near Fayette, Arkansas; Mather, donor.

Crinoid undetermined

Referred specimen: UC 48287.

Easton, 1942, pl. 2, fig. 6.

Mississippian, Pitkin Formation.

Arkansas; Easton Collection.

CATALOGUE OF CASTS OF CRINOIDS

Aatocrinus mucrospinus (McChesney, 1860)

See: *Zeacrinus mucrospinus* McChesney, 1860

Abrotocrinus unicus (Hall, 1861)

See: *Scaphiocrinus unicus* Hall, 1861

Acrocrinus shumardi Yandell, 1855

See: *Acrocrinus urnaeformis* Hall, 1858

Acrocrinus urnaeformis Hall, 1858

Holotype: UC 15897, original specimen University of Illinois X-725.

Hall, 1858, p. 690, pl. 25, figs. 9a, 9b.

= *Acrocrinus shumardi* Yandell, 1855

Wachsmuth and Springer, 1897, pp. 806–807.

Mississippian, Kaskaskia Limestone.

Pope County, Illinois; Hall Collection.

Actinocrinites lowei (Hall, 1858)

See: *Actinocrinus brontes* Hall, 1858

Actinocrinus lowei Hall, 1858

Actinocrinites multiradiatus (Shumard, 1857)

See: *Actinocrinus multiradiatus* Shumard, 1857

Actinocrinites pernodosus (Hall, 1858)

See: *Actinocrinus pernodosus* Hall, 1858

Actinocrinites verrucosus (Hall, 1858)

See: *Actinocrinus verrucosus* Hall, 1858

Actinocrinus aequalis Hall, 1858

Holotype: UC 15873.

Hall, 1858, pp. 592–594, text fig. 90, pl. 11, figs. 4a, 4b.

= *Batocrinus aequalis* (Hall, 1858)

Wachsmuth and Springer, 1897, p. 371.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus aequibrachiatus McChesney, 1860

Referred specimen: UC 13223.

McChesney, 1860, pp. 25–27.

McChesney, 1865, pl. 4, figs. 2a, 2b, pl. 10, top fig.

McChesney, 1868, pp. 18–19, text fig., pl. 4, figs. 2a, 2b.

= *Batocrinus aequibrachiatus* (McChesney, 1860)

Meek and Worthen, 1868, p. 351.

= *Lobocrinus aequibrachiatus* (McChesney, 1860)

Wachsmuth and Springer, 1897, p. 440.

= *Uperocrinus aequibrachiatus* (McChesney, 1860)

Bassler and Moodey, 1943, p. 720.

Mississippian, Burlington Limestone.

Monmouth, Illinois; Hall Collection.

Remarks: UC 13223 is a cast of one of the original specimens figured by McChesney, 1860.

Actinocrinus (Agaricocrinus) pentagonus Hall, 1860

Referred specimen: UC 15765.

Hall, 1860a, pp. 57–58, text fig.

= *Agaricocrinus pentagonus* (Hall, 1860)

Whitfield, 1893, pp. 25–26, text fig. [?pl. 2, figs. 17, 18].

= *Agaricocrinus bullatus* Hall, 1860

Wachsmuth and Springer, 1897, pp. 493–495.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: UC 15765 is a cast of one of the types. Whitfield says the types are in the American Museum of Natural History.

Wachsmuth and Springer say the type is in the Worthen Collection in the Illinois State Collection now housed in the University of Illinois, listed as X-1082.

Actinocrinus andrewsianus McChesney, 1860

Holotype: UC 13224.

McChesney, 1860, pp. 27–28.

McChesney, 1865, pl. 5, figs. 5a, 5b.

McChesney, 1868, pp. 20–21, text fig., pl. 5, figs. 5a, 5b.

= *Batocrinus andrewsianus* (McChesney, 1860)

Wachsmuth and Springer, 1881, p. 339.

= *Dizygocrinus andrewsianus* (McChesney, 1860)

Wachsmuth and Springer, 1897, pp. 433–434.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus biturbinatus Hall, 1858

Referred specimen: UC 15874.

Hall, 1858, pp. 616–617, text fig. 95, pl. 16, figs. 6a–6c.

= *Dizygocrinus biturbinatus* (Hall, 1858)

Wachsmuth and Springer, 1897, p. 427.

Mississippian, Keokuk Limestone.

Nauvoo, Illinois; Hall Collection.

Remarks: UC 15874 is a cast of one of the original specimens figured by Hall.

Actinocrinus brevis Hall, 1858

Holotype: UC 15885, original specimen University of Illinois X-1189.

Hall, 1858, p. 567, pl. 10, figs. 3a, 3b.

Hall, 1860a, pl. 2, fig. 3.

= *Agaricocrinus brevis* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 511–512.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus brontes Hall, 1860

Holotype: UC 15770, original specimen University of Illinois X-1185.

Hall, 1860a, pp. 47–48.

= *Actinocrinus lowei* Hall, 1858

Wachsmuth and Springer, 1897, pp. 562–563.

= *Actinocrinites lowei* (Hall, 1858)
 Bassler and Moodey, 1943, p. 271.
 Mississippian, Keokuk Limestone.
 Nauvoo, Illinois; Hall Collection.

Actinocrinus (Calathocrinus) althea Hall, 1861

Holotype: UC 15768, original specimen Harvard, Museum of
 Comparative Zoology, Cambridge, Massachusetts.
 Hall, 1861c, p. 13.
 = *Actinocrinus (Strotocrinus) aithaea* [sic] Hall, 1861
 Hall, 1872a, pl. 4, fig. 13.
 = *Teleiocrinus althea* (Hall, 1861)
 Wachsmuth and Springer, 1897, p. 632, pl. 63, fig. 9.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus calyculoides Hall, 1860

Holotype: UC 15810.
 Hall, 1860a, pp. 17-18, text fig.
 Hall, 1872b, pl. 3, figs. 2-5.
 = *Batocrinus (Eretmocrinus) calyculoides* (Hall, 1860)
 Meek and Worthen, 1868, pp. 351-352.
 = *Eretmocrinus calyculoides* (Hall, 1860)
 Wachsmuth and Springer, 1881, p. 346.
 Mississippian, Burlington.
 Burlington, Iowa; Hall Collection.

Actinocrinus corniculus Hall, 1858

Holotype: UC 15886, original specimen University of Illinois X-
 1189A (two syntypes?).
 Hall, 1858, pp. 566-567, pl. 10, figs. 1a-1c.
 Hall, 1860a, pl. 2, fig. 2.
 = *Agaricocrinus brevis* (Hall, 1858)
 Wachsmuth and Springer, 1897, p. 511.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus formosus Hall, 1860

Holotype: UC 15808.

Hall, 1860a, pp. 30–31, text fig.

Hall, 1872b, pl. 3, fig. 1.

= *Batocrinus formosus* (Hall, 1860)

Meek and Worthen, 1868, p. 351.

= *Batocrinus subaequalis* (McChesney, 1860)

Wachsmuth and Springer, 1897, pp. 369–370.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus fosteri McChesney, 1860

Holotype: UC 13220.

McChesney, 1860, pp. 19–21, text fig.

McChesney, 1865, pl. 5, fig. 2.

McChesney, 1868, pp. 14–15, text fig., pl. 5, fig. 2.

= *Cactocrinus fosteri* (McChesney, 1860)

Wachsmuth and Springer, 1897, p. 601.

Mississippian, Burlington.

Burlington, Iowa; Hall Collection.

Actinocrinus gemmiformis Hall, 1860

Holotype: UC 15809.

Hall, 1860a, pp. 23–24, text fig.

Hall, 1872b, pl. 3, fig. 6.

= *Batocrinus* (*Eretmocrinus*?) *gemmiformis* (Hall, 1860)

Meek and Worthen, 1868, p. 352.

= *Eretmocrinus gemmiformis* (Hall, 1860)

Wachsmuth and Springer, 1881, p. 347.

= *Macrocrinus gemmiformis* (Hall, 1860)

Wachsmuth and Springer, 1897, pp. 449–450.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus glans Hall, 1860

Referred specimen: UC 15769.

Hall, 1860a, pp. 16–17, text fig.

= *Cactocrinus glans* (Hall, 1860)

Wachsmuth and Springer, 1897, p. 625.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: UC 15769 is a cast of one of the original specimens used by Hall. The holotype is University of Illinois X-1192.

Actinocrinus glyptus Hall, 1860

Referred specimen: UC 55015.

Hall, 1860a, pp. 2-3.

Referred specimen: UC 55016.

Hall, 1860a, pp. 2-3.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: *A. glyptus* = *Strotocrinus glyptus* (Hall, 1860) Meek and Worthen, 1866, p. 190.

UC 55015 and UC 55016 may be the specimens originally used by Hall, 1860.

Actinocrinus gouldi Hall, 1858

Referred specimens: UC 15837, two specimens, original specimens University of Illinois X-9 ("syntypes").

Hall, 1858, pp. 613-614, pl. 15, figs. 6a, 6b.

= *Dorycrinus gouldi* (Hall, 1858)

Meek and Worthen, 1868, p. 345.

Grabau and Shimer, 1910, p. 532, text fig. 1860.

Mississippian, Keokuk.

Warsaw, Illinois; Hall Collection.

Actinocrinus hageri McChesney, 1860

Holotype: UC 13225.

McChesney, 1860, pp. 28-29.

McChesney, 1865, pl. 4, fig. 1, pl. 10, bottom fig.

McChesney, 1868, pp. 21-22, text fig., pl. 4, fig. 1.

= *Batocrinus* (?*Eretmocrinus*) *hageri* (McChesney, 1860)

Meek and Worthen, 1868, p. 352.

= (?) *Lobocrinus hageri* (McChesney, 1860)

Wachsmuth and Springer, 1897, pp. 445-446.

= *Uperocrinus hageri* (McChesney, 1860)

Bassler and Moody, 1943, p. 720.

Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Actinocrinus hurdianus McChesney, 1860

Holotype: UC 13222.

McChesney, 1860, pp. 24–25.

McChesney, 1865, pl. 5, fig. 9.

McChesney, 1868, pp. 17–18, text fig., pl. 5, fig. 9.

= *Cactocrinus hurdianus* (McChesney, 1860)

Wachsmuth and Springer, 1897, p. 601.

= *Cusacrinus hurdianus* (McChesney, 1860)

Bowsher, 1955, p. 12.

Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Actinocrinus inornatus Hall, 1860

Referred specimen: UC 15771.

Hall, 1860a, pp. 24–25.

= *Batocrinus inornatus* (Hall, 1860)

Meek and Worthen, 1873, p. 367.

Whitfield, 1893, pp. 15–16.

= *Batocrinus clypeatus* (Hall, 1860)

Wachsmuth and Springer, 1881, p. 340.

Wachsmuth and Springer, 1897, pp. 380–381.

Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Remarks: Hall's original description refers to two specimens, one with arms, the other without arms. Whitfield 1893, pl. 2, figs. 1–3, figures Hall's type, the armless specimen. UC 15771 does not have arms and is not the figured specimen, although it is listed as the type in the Museum catalogue.

Actinocrinus lagunculus Hall, 1860

Referred specimens: UC 15775, three specimens.

Hall, 1860a, pp. 41–42, text fig.

= *Macrocrinus lagunculus* (Hall, 1860)

Wachsmuth and Springer, 1897, p. 453.

= *Macrocrinus mundulus* (Hall, 1860)

Van Sant *in* Van Sant and Lane, 1964, p. 117.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Remarks: UC 15775 labeled as "cotypes" in the Museum catalogue.

Actinocrinus liratus Hall, 1860

Holotype: UC 15811, original specimen University of Illinois X-1100.

Hall, 1860a, p. 1.

= *Actinocrinus (Strotocrinus) liratus* Hall, 1860

Hall, 1872b, pl. 4, fig. 3.

= *Strotocrinus liratus* (Hall, 1860)

Meek and Worthen, 1873, pp. 355-357.

= *Teleiocrinus liratus* (Hall, 1860)

Wachsmuth and Springer, 1881, p. 323.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus longirostris Hall, 1858

Holotype: UC 55004.

Hall, 1858, pp. 589-590, text fig. 88, pl. 11, figs. 2a, 2b (=4c and 4d).

= *Batoocrinus longirostris* (Hall, 1858)

Meek and Worthen, 1868, p. 351.

= *Lobocrinus longirostris* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 442-443.

= *Uperocrinus longirostris* (Hall, 1858)

Bassler and Moodey, 1943, p. 720.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: The figures do not correspond exactly with the cast of the specimen.

Actinocrinus lowei Hall, 1858

Holotype: UC 15868, original specimen University of Illinois X-741.

Hall, 1858, pp. 611-613, text fig. 93, pl. 15, figs. 5a, 5b.

Grabau and Shimer, 1910, p. 525, text fig. 1850.

- = *Actinocrinites lowei* (Hall, 1858)
 Bassler and Moodey, 1943, p. 271.
 Mississippian, Keokuk Limestone.
 Near Warsaw, Illinois; Hall Collection.
 See also: *Actinocrinus brontes* Hall, 1860

Actinocrinus (Megistocrinus) whitei Hall, 1861

- Holotype: UC 15767.
 Hall, 1861b, pp. 271–272.
 Hall, 1872b, pl. 4, fig. 6.
 = *Cactocrinus glans* (Hall, 1860)
 Wachsmuth and Springer, 1897, pp. 625–626.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus multiradiatus Shumard, 1857

- Referred specimen: UC 15875.
 Hall, 1858, pp. 579–580, pl. 10, fig. 9.
 = *Actinocrinites multiradiatus* (Shumard, 1857)
 Bassler and Moodey, 1943, p. 272.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus mundulus Hall, 1860

- Holotype: UC 15774.
 Hall, 1860a, pp. 39–40, text fig.
 = *Batocrinus mundulus* (Hall, 1860)
 Wachsmuth and Springer, 1897, p. 382.
 = *Macrocrinus mundulus* (Hall, 1860)
 Van Sant *in* Van Sant and Lane, 1964, p. 117.
 Mississippian, Keokuk Limestone.
 Warsaw, Illinois; Hall Collection.

Actinocrinus nashvillae Troost *in* Hall, 1858

- Referred specimens: UC 15836, two specimens.
 Troost *in* Hall, 1858, pp. 609–611, text fig. 92, pl. 15, fig. 4,
 pl. 16, fig. 4a.
 = *Batocrinus nashvillae* (Troost *in* Hall, 1858)

Wachsmuth and Springer, 1881, p. 341.

= *Lobocrinus nashvillae* (Troost in Hall, 1858)

Wachsmuth and Springer, 1897, pp. 435-436.

= *Uperocrinus nashvillae* (Troost in Hall, 1858)

Bassler and Moodey, 1943, p. 721.

Mississippian, Keokuk Limestone.

Warsaw, Illinois or White's Creek Springs, Tennessee; Hall Collection.

Actinocrinus papillatus Hall, 1860

Holotype: UC 15814.

Hall, 1860a, p. 29, text fig.

Hall, 1872b, pl. 3, figs. 10, 11.

= *Batocrinus papillatus* (Hall, 1860)

Meek and Worthen, 1873, p. 367.

= *Batocrinus clypeatus* (Hall, 1860)

Wachsmuth and Springer, 1897, pp. 380-381.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus pernodosus Hall, 1858

Holotype: UC 15870.

Hall, 1858, pp. 608-609, text fig. 91, pl. 15, figs. 3a, 3b.

= *Actinocrinites pernodosus* (Hall, 1858)

Bassler and Moodey, 1943, p. 272.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Actinocrinus planobasilis Hall, 1860

Holotype: UC 55002.

Hall, 1860a, p. 19, text fig.

Hall, 1872b, pl. 4, figs. 10, 11.

= *Amphoracrinus divergens* (Hall, 1860)

Meek and Worthen, 1868, p. 348.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus planodiscus Hall, 1860

Holotype: UC 55001.

Hall, 1860a, pp. 45-46, text fig.

= *Batocrinus planodiscus* (Hall, 1860)

Meek and Worthen, 1868, p. 351.

= *Eutrochocrinus planodiscus* (Hall, 1860)

Wachsmuth and Springer, 1897, pp. 411-412.

Mississippian, Keokuk Limestone.

Nauvoo, Illinois; Hall Collection.

Remarks: The cast UC 55001 cannot be positively identified as the holotype from Hall's text figure. It is listed as the holotype in the Museum catalogue.

Actinocrinus quaternarius Hall, 1860

Referred specimen: UC 15772.

Hall, 1860a, pp. 22-23, text fig.

= *Cactocrinus proboscidalis* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 601-602.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: Holotype is University of Illinois X-1191.

Actinocrinus quinquelobus Hall, 1860

Holotype: UC 15813, original specimen University of Illinois X-1105.

Hall, 1860a, pp. 15-16, text fig.

Hall, 1872b, pl. 3, figs. 18-20.

= *Dorycrinus quinquelobus* (Hall, 1860)

Meek and Worthen, 1868, p. 345.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus sexarmatus Hall, 1860

Holotype: UC 15773, original specimen University of Illinois X-736.

Hall, 1860a, pp. 21-22, text fig.

= *Cactocrinus sexarmatus* (Hall, 1860)

Wachsmuth and Springer, 1897, pp. 615-616.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: The cast UC 15773 cannot be positively identified from Hall's text figure. The cast is listed as the holotype in the Museum catalogue.

Actinocrinus sinnosus [sic] Hall, 1860

See: *Actinocrinus sinuosus* Hall, 1860

Actinocrinus sinuosus Hall, 1860

Holotype: UC 15815.

Hall, 1860a, pp. 26-27, text fig.

= *Actinocrinus sinnosus* [sic] Hall, 1860

Hall, 1872b, pl. 3, figs. 8, 9.

= *Batocrinus laura* var. *sinuosus* (Hall, 1860)

Wachsmuth and Springer, 1897, p. 385.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus spinotentaculites [sic] Hall, 1860

See: *Actinocrinus spino-tentaculus* Hall, 1860

Actinocrinus spino-tentaculus Hall, 1860

Holotype: UC 15807, original specimen in the University Museum, Göttingen, Germany.

Hall, 1860a, pp. 86-87.

= *Actinocrinus spinotentaculites* [sic] Hall, 1860

Hall, 1872b, pl. 3, figs. 13-17.

= *Cactocrinus coelatus* var. *spinotentaculus* (Hall, 1860)

Wachsmuth and Springer, 1897, p. 619.

= *Cusacrinus spinotentaculus* (Hall, 1860)

Bowsher, 1955, p. 16.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus steropes Hall, 1860

Referred specimen: UC 55017.

Hall, 1860a, pp. 43-44.

= *Batocrinus steropes* (Hall, 1860)
 Wachsmuth and Springer, 1881, p. 342.

Mississippian, Keokuk Limestone.

Opposite Keokuk, Iowa on east side of Mississippi River; Hall Collection.

Actinocrinus (Strotocrinus) althaea Hall, 1861

See: *Actinocrinus (Calathocrinus) althea* Hall, 1861

Actinocrinus (Strotocrinus) liratus Hall, 1860

See: *Actinocrinus liratus* Hall, 1860

Actinocrinus subaequalis McChesney, 1860

Holotype: UC 55002.

McChesney, 1860, pp. 17–19, text fig.

McChesney, 1865, pl. 5, figs. 7a, 7b.

McChesney, 1868, pp. 13–14, text fig., pl. 5, figs. 7a, 7b.

= *Batocrinus subaequalis* (McChesney, 1860)

Meek and Worthen, 1868, p. 351.

Mississippian, Burlington.

Monmouth, Illinois or Burlington, Iowa; Hall Collection.

See also: *Actinocrinus formosus* Hall, 1860

Actinocrinus subventricosus McChesney, 1860

Holotype: UC 13221.

McChesney, 1860, pp. 21–23.

McChesney, 1865, pl. 4, figs. 6a, 6b, pl. 11, fig. 2.

McChesney, 1868, pp. 16–17, text fig., pl. 4, figs. 6a, 6b.

= *Physetocrinus ventricosus* (Hall, 1858)

Wachsmuth and Springer, 1897, pp. 593–595.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Actinocrinus superlatus Hall, 1858

Holotype: UC 15878, original specimen University of Illinois X-1076.

Hall, 1858, pp. 572–573, text fig. 82.

- = *Megistocrinus evansi* [sic] (Owen and Shumard, 1850)
 Wachsmuth and Springer, 1897, pp. 533-536.
- = *Megistocrinus evansii* (Owen and Shumard, 1850)
 Bassler and Moodey, 1943, pp. 550-551.
- Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus symmetricus Hall, 1858

- Holotype: UC 15872.
 Hall, 1858, pp. 574-575, pl. 10, figs. 8a, 8b.
- = *Aorocrinus parrus* (Shumard, 1855)
 Wachsmuth and Springer, 1897, pp. 477-478.
- Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus tenuisculptus McChesney, 1860

- Holotype: UC 13218.
 McChesney, 1860, pp. 15-17, text fig.
 McChesney, 1865, pl. 5, figs. 1a, 1b.
 McChesney, 1868, pp. 11-12, text fig., pl. 5, figs. 1a, 1b.
- = *Catocrinus tenuisculptus* (McChesney, 1860)
 Kirk, 1943a, p. 346.
- = *Cusacrinus tenuisculptus* (McChesney, 1860)
 Bowsher, 1955, p. 16.
- Mississippian, Burlington Limestone.
 Columbia, Missouri; Hall Collection.

Actinocrinus trinodus Hall, 1858

- Holotype: UC 15812.
 Hall, 1858, pp. 575-576, text fig. 83.
 Hall, 1872b, pl. 3, fig. 7.
- = *Dorycrinus unispinus* (Hall, 1861)
 Wachsmuth and Springer, 1897, pp. 467-468.
- Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus turbinatus var. **elegans** Hall, 1858

- Holotype: UC 23334.
 Hall, 1858, pp. 588-589, pl. 11, fig. 5.

= *Batocrinus turbinatus* var. *elegans* (Hall, 1858)
 Wachsmuth and Springer, 1897, p. 376.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus umbrosus Hall, 1858

Holotype: UC 15881, original specimen University of Illinois X-743.
 Hall, 1858, pp. 590–592, text fig. 89, pl. 11, figs. 3a, 3b.
 = *Strotocrinus umbrosus* (Hall, 1858)
 Meek and Worthen, 1866, p. 190.
 Meek and Worthen, 1873, pp. 360–362.
 = *Teleiocrinus umbrosus* (Hall, 1858)
 Wachsmuth and Springer, 1881, p. 323.
 Grabau and Shimer, 1910, p. 528, text fig. 1855.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Actinocrinus urnaeformis McChesney, 1860

Holotype: UC 13226.
 McChesney, 1860, pp. 23–24.
 = *Batocrinus* (?*Eretmocrinus*) *urnaeformis* (McChesney, 1860)
 Meek and Worthen, 1868, p. 352.
 = *Macrocrinus knoicki* (Shumard, 1855)
 Wachsmuth and Springer, 1897, pp. 447–448.
 Mississippian, Burlington Limestone.
 Honey Creek, Illinois; Hall Collection.

Actinocrinus ventricosus Hall, 1858

Referred specimen: UC 15879, original specimen University of Illinois X-66.
 Hall, 1858, p. 595, pl. 11, figs. 6a–6c.
 Hall, 1860a, pl. 2, fig. 5.
 = *Physetocrinus ventricosus* (Hall, 1858)
 Wachsmuth and Springer, 1897, pp. 593–595.
 Mississippian, Burlington Limestone
 Burlington, Iowa; Hall Collection.
 Remarks: UC 15879 is a cast of one of the original specimens used by Hall. The University of Illinois lists two “syntypes.”

Actinocrinus verrucosus Hall, 1858

Holotype: UC 15871, original specimen University of Illinois X-848.

Hall, 1858, pp. 578-579, text fig. 84, pl. 10, figs. 7a, 7b.

Grabau and Shimer, 1910, p. 524, text fig. 1849.

= *Actinocrinites verrucosus* (Hall, 1858)

Bassler and Moodey, 1943, p. 276.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Agaricocrinus americanus tuberosus (Troost, 1849)

See: *Agaricocrinus tuberosus* (Troost, 1849)

Agaricocrinus brevis (Hall, 1858)

See: *Actinocrinus brevis* Hall, 1858

Actinocrinus corniculatus Hall, 1858

Agaricocrinus bullatus Hall, 1858

Holotype: UC 15883, original specimen University of Illinois X-737 (syntype).

Hall, 1858, pp. 562-564, text fig. 78, pl. 9, figs. 11a, 11b.

Grabau and Shimer, 1910, p. 534, text fig. 1861.

Mississippian, Burlington Limestone.

Quincy, Illinois; Hall Collection.

Remarks: UC 15883 is a cast of the original specimen figured by Hall. The catalogue from the University of Illinois indicates that it is a "cotype."

See also: *Actinocrinus (Agaricocrinus) pentagonus* Hall, 1860

Agaricocrinus pentagonus (Hall, 1860)

See: *Actinocrinus (Agaricocrinus) pentagonus* Hall, 1860

Agaricocrinus tuberosus (Troost, 1849)

Referred specimen: UC 15884.

Hall, 1858, pp. 617-619, text fig. 96, pl. 16, figs. 2a-2c.

Grabau and Shimer, 1910, p. 535, text figs. 1862, 1863.

= *Agaricocrinus americanus tuberosus* (Troost, 1849)

Bassler and Moodey, 1943, p. 284.

Mississippian, Keokuk Limestone.

Keokuk, Iowa?; Hall Collection.

Agaricocrinus whitfieldi Hall, 1858

Holotype: UC 15848.

Hall, 1858, pp. 621–622.

Hall, 1860a, pl. 3, fig. 5.

Meek and Worthen, 1873, pp. 499–500, pl. 12, figs. 1a, 1b, pl. 15, fig. 8.

Mississippian, Keokuk Limestone.

Greene County, Illinois; Hall Collection.

Agaricocrinus wortheni Hall, 1858

Holotype: UC 15832, column missing.

Hall, 1858, pp. 619–621, text fig. 97, pl. 16, fig. 1.

Mississippian, Keokuk Limestone.

Keokuk, Iowa; Hall Collection.

Remarks: The catalogue of the University of Illinois lists two syntypes X-733. UC 15832 is a cast of the specimen originally figured by Hall.

Agassizocrinus constrictus Hall, 1858

Holotype: UC 15901, original specimen University of Illinois X-837.

Hall, 1858, p. 687, text fig. 115, pl. 25, fig. 10.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

Agassizocrinus gibbosus Hall, 1858

Holotype: UC 15902, original specimen University of Illinois X-1193.

Hall, 1858, p. 686, text fig. 114, pl. 25, figs. 6, 6b.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

Amphoracrinus divergens (Hall, 1860)

See: *Actinocrinus planobasilis* Hall, 1860

Ancyrocrinus spinosus Hall, 1862

Holotype: UC 54080.

Hall, 1862, p. 119, pl. 1, figs. 27, 28.

Grabau and Shimer, 1910, pp. 569-570, text fig. 1908.

Devonian, Upper Helderberg Limestone.

Falls of the Ohio; Hall Collection.

Aorocrinus parvus (Shumard, 1855)

See: *Actinocrinus symmetricus* Hall, 1858

Ascetocrinus scoparius (Hall, 1858)

See: *Scaphiocrinus scoparius* Hall, 1858

Aspidocrinus digitatus Hall, 1859

Holotype: UC 15845, original specimen New York State Museum.

Hall, 1859, p. 123.

Hall, 1861a, pl. 5, figs. 19, 20.

Goldring, 1923, pp. 443-444, pl. 59, figs. 8, 9.

Devonian, Manlius Beds.

Schoharie, New York; Hall Collection.

Asterocrinus capitalis Lyon, 1857

Holotype: UC 15850.

Lyon, 1857, pp. 472-475, pl. 3, figs. 1-1k.

= *Pterotocrinus capitalis* (Lyon, 1857)

Lyon and Casseday, 1860, p. 68.

Wachsmuth and Springer, 1897, pp. 794-795, pl. 79, figs. 6a, 6b.

S. Weller, 1920, p. 360, pl. 8, fig. 36.

Sutton, 1934, pp. 409-410, pl. 50, fig. 24.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 199, pl. 78, fig. 16.

Mississippian, Kaskaskia Group.

Crittenden County, Kentucky; Hall Collection.

Barycrinus bullatus (Hall, 1858)

See: *Cyathocrinus bullatus* Hall, 1858

Cyathocrinus protuberans Hall, 1858

Barycrinus crassibrachiatus (Hall, 1860)

See: *Cyathocrinus crassibrachiatus* Hall, 1860

Barycrinus hoveyi (Hall, 1861)

See: *Cyathocrinus hoveyi* Hall, 1861

Barycrinus lyoni (Hall, 1861)

See: *Cyathocrinus lyoni* Hall, 1861

Barycrinus magister (Hall, 1858)

See: *Cyathocrinus magister* Hall, 1858

Barycrinus magnificus Meek and Worthen, 1868

Holotype: UC 14313.

Meek and Worthen, 1868, pp. 340–341.

Meek and Worthen, 1873, pp. 483–485, pl. 12, figs. 2a, 2b.

Grabau and Shimer, 1910, p. 508, text fig. 1822.

Mississippian, Keokuk.

Henderson County near Biggsville, Illinois; F. Springer, donor.

Barycrinus protuberans (Hall, 1858)

See: *Cyathocrinus protuberans* Hall, 1858

Barycrinus spurius (Hall, 1858)

See: *Cyathocrinus spurius* Hall, 1858

Barycrinus tumidus (Hall, 1858)

See: *Cyathocrinus tumidus* Hall, 1858

Batocrinus aequalis (Hall, 1858)

See: *Actinocrinus aequalis* Hall, 1858

Batocrinus aequibrachiatus (McChesney, 1860)

See: *Actinocrinus aequibrachiatus* McChesney, 1860

Batocrinus andrewsianus (McChesney, 1860)

See: *Actinocrinus andrewsianus* McChesney, 1860

Batocrinus clypeatus (Hall, 1860)

See: *Actinocrinus inornatus* Hall, 1860

Actinocrinus papillatus Hall, 1860

Batocrinus (Eretmocrinus) calyculoides (Hall, 1860)

See: *Actinocrinus calyculoides* Hall, 1860

Batocrinus (Eretmocrinus?) gemmiformis (Hall, 1860)

See: *Actinocrinus gemmiformis* Hall, 1860

Batocrinus (?Eretmocrinus) hageri (McChesney, 1860)

See: *Actinocrinus hageri* McChesney, 1860

Batocrinus (?Eretmocrinus) urnaeformis (McChesney, 1860)

See: *Actinocrinus urnaeformis* McChesney, 1860

Batocrinus formosus (Hall, 1860)

See: *Actinocrinus formosus* Hall, 1860

Batocrinus inornatus (Hall, 1860)

See: *Actinocrinus inornatus* Hall, 1860

Batocrinus laura var. **sinuosus** (Hall, 1860)

See: *Actinocrinus sinuosus* Hall, 1860

Batocrinus longirostris (Hall, 1858)

See: *Actinocrinus longirostris* Hall, 1858

Batocrinus mundulus (Hall, 1860)

See: *Actinocrinus mundulus* Hall, 1860

Batocrinus nashvillae (Troost *in* Hall, 1858)

See: *Actinocrinus nashvillae* Troost *in* Hall, 1858

Batocrinus papillatus (Hall, 1860)

See: *Actinocrinus papillatus* Hall, 1860

Batocrinus planodiscus (Hall, 1860)

See: *Actinocrinus planodiscus* Hall, 1860

Batocrinus steropes (Hall, 1860)

See: *Actinocrinus steropes* Hall, 1860

Batocrinus subaequalis (McChesney, 1860)

See: *Actinocrinus subaequalis* McChesney, 1860
Actinocrinus formosus Hall, 1860

Batocrinus turbinatus var. **elegans** (Hall, 1858)

See: *Actinocrinus turbinatus* var. *elegans* Hall, 1858

Botryocrinus polyxo Hall, 1863

Referred specimen: UC 12630.

S. Weller, 1900, pp. 66–67, pl. 14, fig. 12.

Silurian, Niagaran Limestone.

Bridgeport, Illinois (now in Chicago, Illinois); exchange with Chicago Academy of Science.

Brachiocrinus nodosarius Hall, 1859

“Cotypes”: UC 15841, two specimens.

Hall, 1859, pp. 118–119.

Hall, 1861a, pl. 5, fig. 5, pl. 6, fig. 1.

Goldring, 1923, pp. 332–334, pl. 41, figs. 1, 2.

= *Herpetocrinus nodosarius* (Hall, 1859)

Bather, 1895, pp. 213–217.

= *Myelodactylus nodosarius* (Hall, 1859)

Bassler and Moodey, 1943, p. 569.

Devonian, Manlius Beds.

Helderberg Mountains, New York; Hall Collection.

Remarks: Original specimens are listed by Goldring in the American Museum of Natural History 2296/1 and 2296/2 and the New York State Museum 4080/1 and 4080/2.

Cactocrinus coelatus var. **spinotentaculus** (Hall, 1860)

See: *Actinocrinus spino-tentaculus* Hall, 1860

Cactocrinus fosteri (McChesney, 1860)

See: *Actinocrinus fosteri* McChesney, 1860

Cactocrinus glans (Hall, 1860)

See: *Actinocrinus glans* Hall, 1860

Actinocrinus (Megistocrinus) whitei Hall, 1861

Cactocrinus hurdianus (McChesney, 1860)

See: *Actinocrinus hurdianus* McChesney, 1860

Cactocrinus proboscidalis (Hall, 1858)

See: *Actinocrinus quaternarius* Hall, 1860

Cactocrinus sexarmatus (Hall, 1860)

See: *Actinocrinus sexarmatus* Hall, 1860

Cactocrinus tenuisculptus (McChesney, 1860)

See: *Actinocrinus tenuisculptus* McChesney, 1860

Callicrinus sp.

See: *Cryptodiscus* sp.

Carabocrinites sculptus Troost, 1850

See: *Dolatocrinus grandis* S. A. Miller and Gurley, 1894

Clonocrinus (?) **macropetalus** (Hall, 1859)

See: *Mariacrinus macropetalus* Hall, 1859

Coronocrinus polydactylus Hall, 1859

Holotype: UC 15843, original specimen in New York State Museum.

Hall, 1859, p. 124.

Hall, 1861a, pl. 6, figs. 4-6.

= *Himerocrinus* (?) *polydactylus* (Hall, 1859)

Goldring, 1923, pp. 199-200, pl. 20, fig. 11.

Devonian, Manlius Beds.

Schoharie, New York; Hall Collection.

Corymbocrinus? **macropetalus** (Hall, 1859)

See: *Mariacrinus macropetalus* Hall, 1859

Cryptodiscus sp.

Referred specimen: UC 12402.

Hall, 1868a, pl. 11, fig. 18.

Hall, 1870, pl. 11, fig. 18.

Silurian, Niagaran Dolomite.

Racine, Wisconsin; Hall Collection.

Remarks: *Cryptodiscus* sp. = *Callicrinus* sp.
Bassler, 1915, p. 158.

Ctenocrinus nobilissimus (Hall, 1859)

See: *Mariacrinus nobilissimus* Hall, 1859

Cupellaecrinites rosaeformis Troost, 1850 (*nomen nudum*)

See: *Marsipocrinus rosaeformis* Troost in Wood, 1909

Cusacrinus hurdianus (McChesney, 1860)

See: *Actinocrinus hurdianus* McChesney, 1860

Cusacrinus spinotentaculus (Hall, 1860)

See: *Actinocrinus spino-tentaculus* Hall, 1860

Cusacrinus tenuisculptus (McChesney, 1860)

See: *Actinocrinus tenuisculptus* McChesney, 1860

Cyathocrinites divaricatus (Hall, 1858)

See: *Cyathocrinus divaricatus* Hall, 1858

Cyathocrinites malvaceus (Hall, 1858)

See: *Cyathocrinus malvaceus* Hall, 1858

Cyathocrinites pyriformis Phillips, 1839

Referred specimen: UC 15757.

Hall, 1843, p. 112, text fig. 41.3; org. rem. tbl. 17, fig. 2.

= *Ichthyocrinus laevis* Conrad, 1842

Hall, 1852a, pp. 195-196, pl. 43, fig. 2a.

Hall, 1852b, pp. 19-20, pl. 43, fig. 2a.

S. A. Miller, 1889, p. 256, text fig. 344.

Silurian, Rochester Shale.

Lockport, New York; Hall Collection.

Cyathocrinites tumidus (Hall, 1858)

See: *Cyathocrinus tumidus* Hall, 1858

Cyathocrinus bullatus Hall, 1858

Holotype: UC 15890, original specimen University of Illinois X-809.

Hall, 1858, p. 624, pl. 18, fig. 1a.

= *Barycrinus bullatus* (Hall, 1858)

Meek and Worthen, 1868, p. 340.

Mississippian, Keokuk Limestone.

Green County, Illinois; Hall Collection.

See also: *Cyathocrinus protuberans* Hall, 1858

Cyathocrinus crassibrachiatus Hall, 1860

Holotype: UC 22183.

Hall, 1860a, p. 60.

= *Barycrinus crassibrachiatus* (Hall, 1860)

Meek and Worthen, 1868, p. 340.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Cyathocrinus divaricatus Hall, 1858

Holotype: UC 15858, original specimen of University of Illinois X-41.

Hall, 1858, pp. 554-555, pl. 9, fig. 5.

= *Cyathocrinus iowensis* Owen and Shumard, 1850

Museum catalogue.

= *Cyathocrinus divaricatus* (Hall, 1858)

Bassler and Moodey, 1943, p. 390.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Cyathocrinus hoveyi Hall, 1861

Holotype: UC 15816.

Hall, 1861b, pp. 293-294.

Hall, 1872a, pl. 5, fig. 11.

= *Barycrinus hoveyi* (Hall, 1861)

Meek and Worthen, 1873, p. 486.

Van Sant *in* Van Sant and Lane, 1964, pp. 74-76.

Mississippian, Keokuk Group.

Crawfordsville, Indiana; Hall Collection.

Cyathocrinus intermedius Hall, 1858

Holotype: UC 15857, original specimen University of Illinois X-740.

Hall, 1858, p. 627, pl. 18, fig. 10.

= *Parisocrinus intermedius* (Hall, 1858)

Wachsmuth and Springer, 1897, p. 338.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Cyathocrinus iowensis Owen and Shumard, 1850

See: *Cyathocrinus divaricatus* Hall, 1858

Cyathocrinus malvaceus Hall, 1858

Cyathocrinus lyoni Hall, 1861

Holotype: UC 15763.

Hall, 1861b, p. 298.

Hall, 1872a, pl. 5, figs. 12, 13.

= *Barycrinus lyoni* (Hall, 1861)

Meek and Worthen, 1868, p. 340.

= *Vasocrinus lyoni* (Hall, 1861)

Wachsmuth and Springer, 1880, p. 319.

= *Vasocrinus hexadactylus* (Lyon and Casseday, 1860)

S. Weller, 1898, p. 639.

= *Pellecrinus hexadactylus* (Lyon and Casseday, 1860)

Kirk, 1929a, pp. 15–16.

Van Sant in Van Sant and Lane, 1964, p. 78.

Mississippian, Keokuk Limestone.

Crawfordsville, Indiana; Hall Collection.

Cyathocrinus magister Hall, 1858

“Cotypes”: UC 15888, two specimens; original specimens University of Illinois X-61 (three “syntypes”).

Hall, 1858, p. 628, pl. 18, figs. 2a–3b.

= *Barycrinus magister* (Hall, 1858)

Meek and Worthen, 1868, p. 340.

Mississippian, Keokuk Limestone.

Keokuk, Iowa; Hall Collection.

Cyathocrinus malvaceus Hall, 1858

Holotype: UC 15892.

Hall, 1858, p. 554, pl. 9, figs. 4a, 4b.

= *Cyathocrinus iowensis* Owen and Shumard, 1850; museum catalogue.

= *Cyathocrinites malvaceus* (Hall, 1858)

Bassler and Moodey, 1943, p. 392.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Cyathocrinus? pentalobus Hall, 1858

Holotype: UC 15887, original specimen University of Illinois X-841.

Hall, 1858, pp. 687-688, text fig. 116, pl. 25, figs. 5a, 5b.

= *Eupachyrcrinus quator-decem-brachialis* (Lyon, 1857)

S. Weller, 1898, p. 266.

= *Intermediacrinus pentalobus* (Hall, 1858)

Sutton and Winkler, 1940, pp. 562-563, pl. 68, figs. 11, 12.

Burdick and Strimple, 1969, p. 8.

= *Eupachyrcrinus pentalobus* (Hall, 1858)

Bassler and Moodey, 1943, pp. 471-472.

Mississippian, Kaskaskia Limestone.

Pope County, Illinois; Hall Collection.

Cyathocrinus protuberans Hall, 1858

Holotype: UC 15859.

Hall, 1858, pp. 626-627, text fig. 99, pl. 18, fig. 9.

= *Baryrcrinus protuberans* (Hall, 1858)

Meek and Worthen, 1868, p. 340.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 154, pl. 57, fig. 15.

= *Baryrcrinus bullatus* (Hall, 1858)

Bassler and Moodey, 1943, pp. 316-317.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Cyathocrinus spurius Hall, 1858

Holotype: UC 15889.

Hall, 1858, pp. 625–626, pl. 18, figs. 7, 8.
 = *Barycrinus spurius* (Hall, 1858)
 Worthen, 1890, p. 99.
 Mississippian, Keokuk Limestone.
 Warsaw, Illinois; Hall Collection.

Cyathocrinus tumidus Hall, 1858

Holotype: UC 15891, original specimen University of Illinois X-1083.
 Hall, 1858, pp. 624–625, pl. 18, figs. 1b, 1c.
 = *Barycrinus tumidus* (Hall, 1858)
 Meek and Worthen, 1868, p. 340.
 = *Cyathocrinites tumidus* (Hall, 1858)
 Moore and Laudon *in* Shimer and Shrock, 1944, p. 155, pl. 57,
 figs. 27a, 27b.
 Mississippian, Keokuk Limestone.
 Warsaw, Illinois; Hall Collection.

Dendrocrinus longidactylus Hall, 1852

Holotype: UC 15760.
 Hall, 1852a, pp. 193–194, pl. 43, fig. 1a.
 Hall, 1852b, pp. 17–18, pl. 43, fig. 1a.
 Silurian, Rochester Shale.
 Lockport, New York; Hall Collection.

Dichocrinus lachrymosus Hall, 1860

Holotype: UC 15821, original specimen University of Illinois X-805.
 Hall, 1860a, p. 84, text fig.
 Hall, 1872b, pl. 2, fig. 11.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Dichocrinus liratus Hall, 1861

Holotype: UC 15820.
 Hall, 1861b, pp. 290–291.
 Hall, 1872a, pl. 2, figs. 7, 8.
 Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Dichocrinus protuberans Hall, 1858

Holotype: UC 15900, original specimen University of Illinois X-808.

Hall, 1858, p. 689, pl. 25, fig. 7.

= *Pterotocrinus protuberans* (Hall, 1858)

Wachsmuth and Springer, 1881, p. 265.

= *Pterotocrinus coronarius* (Lyon, 1857)

Sutton, 1934, p. 410.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

Dimerocrinites brachiatus (Hall, 1852)

See: *Glyptaster brachiatus* Hall, 1852

Dimerocrinites pentangularis (Hall, 1867)

See: *Thysanocrinus pentangularis* (Hall, 1867)

Dimerocrinus brachiatus (Hall, 1852)

See: *Glyptaster brachiatus* Hall, 1852

Dimerocrinus pentangularis (Hall, 1867)

See: *Thysanocrinus pentangularis* (Hall, 1867)

Dizygocrinus andrewsianus (McChesney, 1860)

See: *Actinocrinus andrewsianus* McChesney, 1860

Dizygocrinus biturbinatus (Hall, 1858)

See: *Actinocrinus biturbinatus* Hall, 1858

Dolatocrinus grandis S. A. Miller and Gurley, 1894

Referred specimen: UC 22203.

Wood, 1909, pp. 55-56, pl. 12, fig. 2.

Devonian, Hamilton.

Falls of the Ohio; Hall Collection.

Remarks: UC 22203 is a cast of the holotype of *Carabocrinites sculptus* Troost, 1850 (*nomen nudum*).

Dorycrinus gouldi (Hall, 1858)

See: *Actinocrinus gouldi* Hall, 1858

Dorycrinus quinquelobus (Hall, 1860)

See: *Actinocrinus quinquelobus* Hall, 1860

Dorycrinus unispinus (Hall, 1861)

See: *Actinocrinus trinodus* Hall, 1858

Dystactocrinus constrictus (Hall, 1871)

See: *Homocrinus constrictus* Hall, 1868

Eratocrinus elegans (Hall, 1858)

See: *Zeacrinus elegans* Hall, 1858

Eratocrinus ramosus (Hall, 1858)

See: *Zeacrinus ramosus* Hall, 1858

Eretmocrinus calyculoides (Hall, 1860)

See: *Actinocrinus calyculoides* Hall, 1860

Eretmocrinus gemmiformis (Hall, 1860)

See: *Actinocrinus gemmiformis* Hall, 1860

Eucalyptocrinites crassus (Hall, 1863)

See: *Eucalyptocrinus crassus* Hall, 1863

Eucalyptocrinites caelatus levis (Grabau and Shimer, 1910)

See: *Eucalyptocrinus decorus* (Hall, 1843)

Eucalyptocrinites lindahli (Wachsmuth and Springer, 1892)

See: *Eucalyptocrinus lindahli* Wachsmuth and Springer, 1892

Eucalyptocrinites ornatus (Hall, 1861)

See: *Eucalyptocrinus ornatus* Hall, 1861

Eucalyptocrinus caelatus var. levis Grabau and Shimer, 1910

See: *Eucalyptocrinus decorus* (Hall, 1843)

Eucalyptocrinus crassus Hall, 1863

Referred specimen: UC 54085.

Hall, 1879b, pp. 141-142, pl. 117, fig. 6.

Hall, 1882b, pp. 272-273, pl. 17, fig. 6.

= *Eucalyptocrinites crassus* (Hall, 1863)

Bassler and Moodey, 1943, p. 463.

Referred specimens: UC 54086.

Hall, 1879b, pp. 141-142, pl. 18, fig. 2.

Hall, 1882b, pp. 272-273, pl. 18, fig. 2.

= *Eucalyptocrinites crassus* (Hall, 1863)

Bassler and Moodey, 1943, p. 463.

Silurian, Niagaran.

Waldron, Decatur County, Indiana; Hall Collection.

Eucalyptocrinus decorus (Hall, 1843)

Referred specimen: UC 15755.

Hall, 1852a, pp. 207-210, pl. 47, fig. 1.

Hall, 1852b, pp. 31-34, pl. 47, fig. 1.

= *Eucalyptocrinus caelatus* var. *levis* Grabau and Shimer, 1910

Grabau and Shimer, 1910, p. 559.

= *Eucalyptocrinites caelatus levis* (Grabau and Shimer, 1910)

Bassler and Moodey, 1943, p. 463.

Referred specimen: UC 15759.

Hall, 1852a, pp. 207-210, pl. 47, fig. 2a.

Hall, 1852b, pp. 31-34, pl. 47, fig. 2a.

= *Eucalyptocrinus caelatus* var. *levis* Grabau and Shimer, 1910

Grabau and Shimer, 1910, p. 559, text fig. 1893.

= *Eucalyptocrinites caelatus levis* (Grabau and Shimer, 1910)

Bassler and Moodey, 1943, p. 463.

Silurian, Rochester Shale.

Lockport, New York; Hall Collection.

Eucalyptocrinus lindahli Wachsmuth and Springer, 1892

Referred specimen: UC 22205.

Wood, 1909, pp. 47-48, pl. 12, figs. 5, 6.

= *Eucalyptocrinites lindahli* (Wachsmuth and Springer, 1892)

Bassler and Moodey, 1943, p. 405.

Silurian, Brownsport Limestone.

Wayne or Decatur Counties, Tennessee; Hall Collection.

Remarks: UC 22205 is a cast of the specimen originally described as *Eucalyptocrinus splendidus* by Troost, 1849 (*nomen nudum*).

Eucalyptocrinus ornatus Hall, 1861

Referred specimens: UC 12400, two specimens.

Hall, 1861d, pp. 20–21.

Hall, 1868a, p. 329, pl. 11, fig. 4.

Hall, 1870, p. 366, pl. 11, fig. 4.

= *Eucalyptocrinites ornatus* (Hall, 1861)

Bassler and Moodey, 1943, pp. 465–466.

Silurian, Niagara Dolomite.

Racine, Wisconsin; Hall Collection.

Remarks: UC 12400 consists of two casts of specimens originally used by Hall, 1861.

Eucalyptocrinus splendidus Troost, 1849 (*nomen nudum*)

See: *Eucalyptocrinus lindahli* Wachsmuth and Springer, 1892

Eucladocrinus tuberosus (Hall, 1858)

See: *Platycrinus tuberosus* Hall, 1858

Eupachycrinus maniformis (Yandell and Shumard, 1847)

See: *Zeacrinus maniformis* (Yandell and Shumard, 1847)

Eupachycrinus pentalobus (Hall, 1858)

See: *Cyathocrinus? pentalobus* Hall, 1858

Eupachycrinus quator-decem-brachialis (Lyon, 1857)

See: *Cyathocrinus? pentalobus* Hall, 1858

(?) **Eutaxocrinus amplus** Springer, 1920

Holotype: UC 12925.

Springer, 1920, pp. 370–371, pl. 50, fig. 10.

Goldring, 1923, p. 316, pl. 38, fig. 11.

= *Eutaxocrinus magnus* Springer; museum catalogue

Devonian, Chemung Group.
Binghamton, New York; Hall Collection.

Eutaxocrinus magnus Springer

See: (?) *Eutaxocrinus amplus* Springer, 1920

Eutrochocrinus planodiscus (Hall, 1860)

See: *Actinocrinus planodiscus* Hall, 1860

Forbesiocrinus agassizi Hall, 1858

Referred specimen: UC 15839.

Hall, 1860a, pp. 65–67.

Hall, 1872b, pl. 7, fig. 2.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: Holotype, UC 12927 is in the catalogue of specimens.

Forbesiocrinus asteriaeformis Hall, 1861

Referred specimen: UC 15830, original specimen in the Springer
Collection in the U.S. National Museum.

Hall, 1861b, pp. 320–321.

Hall, 1861c, p. 9.

Hall, 1872b, pl. 6, fig. 11.

= *Onychocrinus asteriaeformis* (Hall, 1861)

Springer, 1920, pp. 422–423, pl. 64, fig. 1.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Remarks: UC 15830 is a cast of one of Hall's original specimens.

Forbesiocrinus juvenis Hall, 1861

Holotype: UC 15829.

Hall, 1861b, pp. 319–320.

Hall, 1872a, pl. 7, fig. 3.

= *Taxocrinus juvenis* (Hall, 1861)

Springer, 1920, pp. 392–393, pl. 54, fig. 3.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Forbesiocrinus meeki Hall, 1858

Holotype: UC 15899, original specimen University of Illinois X-1101.

Hall, 1858, p. 631, pl. 17, fig. 3.

= *Parichthyocrinus meeki* (Hall, 1858)

Springer, 1920, pp. 414–415, pl. 62 fig. 1.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Forbesiocrinus pratteni McChesney, 1860

Holotype: UC 13227.

McChesney, 1860, pp. 29–30.

McChesney, 1865, pl. 5, fig. 4.

= *Melocrinus pratteni* (McChesney, 1860)

Shumard, 1866, p. 381.

McChesney, 1868, pp. 22–23, pl. 5, fig. 4.

= *Scyphocrinus pratteni* (McChesney, 1860)

Springer, 1917, pp. 50–52, pl. 6, fig. 1.

= *Scyphocrinites pratteni* (McChesney, 1860)

Bassler and Moodey, 1943, p. 675.

In the Carboniferous Limestone Series probably not below the Warsaw Division [published]; Helderbergian [catalogue].

In Alabama [published]; Tennessee River, Northern Alabama [catalogue]; Hall Collection.

Forbesiocrinus shumardianus Hall, 1858

Holotype: UC 15864, original specimen University of Illinois X-67.

Hall, 1858, pp. 671–672, pl. 17, fig. 1.

= *Taxocrinus shumardianus* (Hall, 1858)

Wachsmuth and Springer, 1880, p. 272.

Springer, 1920, p. 406, pl. 59, fig. 13.

Mississippian, St. Louis Limestone.

St. Louis, Missouri; Hall Collection.

Forbesiocrinus whitfieldi Hall, 1858

Holotype: UC 15898, original specimen University of Illinois X-1077.

Hall, 1858, pp. 632–633, text fig. 104.

= *Onychocrinus whitfieldi* (Hall, 1858)

Meek and Worthen, 1873, pp. 552–554, pl. 20, fig. 3.

= *Taxocrinus whitfieldi* (Hall, 1858)

Springer, 1920, pp. 408–409, pl. 60, fig. 1.

Mississippian, Chester Group [Meek and Worthen, 1873, in error;
Keokuk Group, Burlington, Iowa].

Opposite Kaskaskia in Randolph County, Illinois; Hall Collection.

Forbesiocrinus wortheni Hall, 1858

Holotype: UC 15851, original specimen University of Illinois
X-556.

Hall, 1858, p. 632, pl. 17, fig. 5.

Springer, 1920, pp. 253–255, pl. 27, fig. 1.

Mississippian, Keokuk Limestone.

Keokuk, Iowa; Hall Collection.

Gilbertsocrinus reticulatus (Hall, 1861)

See: *Trematocrinus reticulatus* Hall, 1861

Gilbertsocrinus (Trematocrinus) reticulatus (Hall, 1861)

See: *Trematocrinus reticulatus* Hall, 1861

Gilbertsocrinus (Trematocrinus) robustus (Hall, 1860)

See: *Trematocrinus robustus* Hall, 1860

Gilbertsocrinus (Trematocrinus) typus (Hall, 1860)

See: *Trematocrinus typus* Hall, 1860

Gilbertsocrinus tuberosus (Lyon and Casseday, 1860)

See: *Trematocrinus robustus* Hall, 1860

Gilbertsocrinus typus (Hall, 1860)

See: *Trematocrinus typus* Hall, 1860

Glyptaster brachiatus Hall, 1852

Holotype: UC 15761, original specimen in the American Museum
of Natural History.

- Hall, 1852a, p. 187, pl. 41, figs. 4a, 4b.
 = *Glyptoraster* [sic] *brachiatus* Hall, 1852
 Hall, 1852b, p. 11, pl. 41, figs. 4a, 4b.
 = *Thysanocrinus brachiatus* (Hall, 1852)
 Wachsmuth and Springer, 1897, pp. 195-196, pl. 18, fig. 7.
 = *Dimerocrinus brachiatus* (Hall, 1852)
 Bassler, 1915, p. 439.
 = *Dimerocrinites brachiatus* (Hall, 1852)
 Bassler and Moodey, 1943, p. 424.
 Silurian, Rochester Shale.
 Lockport, New York; Hall Collection.

Glyptocrinus nobilis Hall, 1861

- Holotype: UC 12401.
 Hall, 1861d, p. 21.
 Hall, 1868a, p. 328, pl. 10, fig. 9.
 Hall, 1870, pp. 372-373, pl. 10, fig. 9.
 = *Siphonocrinus nobilis* (Hall, 1861)
 S. A. Miller, 1888, pp. 263-264.
 Wachsmuth & Springer, 1897, pp. 212-213, pl. 19, figs. 1a, 1b.
 Bassler and Moodey, 1943, p. 680.
 Silurian, Niagaran Dolomite.
 Racine, Wisconsin; Hall Collection.

Glyptoraster brachiatus Hall, 1852

- See: *Glyptaster brachiatus* Hall, 1852

Graphiocrinus simplex (Hall, 1858)

- See: *Poteriocrinus* (*Scaphiocrinus*) *simplex* Hall, 1858

Herpetocrinus nodosarius (Hall, 1859)

- See: *Brachiocrinus nodosarius* Hall, 1859

Heterocrinus constrictus Hall, 1871

- See: *Homocrinus constrictus* Hall, 1868

Himerocrinus(?) polydactylus (Hall, 1859)

- See: *Coronocrinus polydactylus* Hall, 1859

Homocrinus ancilla (Hall, 1879)

Referred specimen: P 144.

Slocum, 1908, pp. 289-291, pl. 85, fig. 9.

Silurian, Niagaran.

Joliet?, Illinois.

Homocrinus constrictus Hall, 1868

Holotype: UC 21269.

Hall, 1868b, p. 304 (*nomen nudum*).

= *Heterocrinus constrictus* Hall, 1871

Hall, 1871, pl. 1, figs. 13, 14.

Hall, 1872a, pp. 210-211, pl. 5, figs. 13, 14.

Meek, 1873, pp. 3-5, pl. 1, figs. 10a, 10b.

= *Ohioocrinus constrictus* (Hall, 1871)

S. A. Miller, 1889, p. 263, text fig. 372.

= *Dystatocrinus constrictus* (Hall, 1871)

Ulrich in Foerste, 1924, pp. 88-90, text fig. 6a.

Ordovician, Maysville (Corryville).

Cincinnati, Ohio; Hall Collection.

Remarks: Meek, 1873, p. 3, refers to *Heterocrinus constrictus* Hall: "Descriptions New Sp. Crinoidea . . ." etc. dated 1866, pl. 1, fig. 3 without a description. We have an article of Hall's by that title published in 1866 but no plates accompany the article. Another article of the same title published by Hall in 1871, figures *Heterocrinus constrictus* on pl. 1, fig. 13. The existence of the article referred to by Meek has not been confirmed.

Homocrinus scoparis Hall, 1859

"Cotype": UC 15840, original specimen American Museum of Natural History 2294 /1.

Hall, 1859, pp. 102-103.

Hall, 1861a, pl. 1, fig. 3.

= *Lasiocrinus scoparis* (Hall, 1859)

Goldring, 1923, pp. 340-343, pl. 42, fig. 8.

Devonian, Manlius Beds.

Litchfield, New York; Hall Collection.

Hypselocrinus calyculus (Hall, 1858)

See: *Scaphiocrinus calyculus* (Hall, 1858)

Ichthyocrinus laevis Conrad, 1842

Referred specimen: UC 15758.

Hall, 1852a, pp. 195–196, pl. 43, fig. 2b.

Hall, 1852b, pp. 19–20, pl. 43, fig. 2b.

Grabau, 1901a, p. 159, text fig. 54.

Grabau, 1901b, p. 159, text fig. 54.

Grabau and Shimer, 1910, p. 564, text fig. 1900.

Silurian, Rochester Shale.

Lockport, New York: Hall Collection.

Referred specimen: UC 54087, original specimen in the American Museum of Natural History.

Ward, 1866, p. 178, no. 932.

Springer, 1920, pp. 277–281, pl. 33, figs. 3a–3d.

Silurian, Niagara Group.

Lockport, New York; Hall Collection.

See also: *Cyathocrinites pyriformis* Phillips, 1839

Ichthyocrinus tiaraeformis Troost *in* Hall, 1858

Holotype: UC 22184, original specimen in the U.S. National Museum.

Hall, 1858, pp. 558–559, text fig. 74.

Wood, 1909, pp. 99–100, pl. 7, figs. 15–17.

= *Metichthyocrinus tiaraeformis* (Troost *in* Hall, 1858)

Springer, 1920, p. 325, pl. 39, figs. 19a–19c.

Mississippian, Keokuk Limestone [Hall]; New Providence Shale [Springer].

White's Creek Springs, Tennessee.

Intermediacrinus pentalobus (Hall, 1858)

See: *Cyathocrinus?* *pentalobus* Hall, 1858

Lasiocrinus scoparis (Hall, 1859)

See: *Homocrinus scoparis* Hall, 1859

Lecanocrinus macropetalus Hall, 1852

Referred specimen: UC 15756.

Hall, 1852a, pp. 199–200, pl. 45, figs. 1b, 1c.

Hall, 1852b, pp. 23–24, pl. 45, figs. 1b, 1c.

S. A. Miller, 1889, p. 257, text fig. 348.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 181, pl. 68, fig. 15.

Silurian, Rochester Shale.

Lockport, New York; Hall Collection.

Lobocrinus aequibrachiatus (McChesney, 1860)

See: *Actinocrinus aequibrachiatus* McChesney, 1860

(?) **Lobocrinus hageri** (McChesney, 1860)

See: *Actinocrinus hageri* McChesney, 1860

Lobocrinus longirostris (Hall, 1858)

See: *Actinocrinus longirostris* Hall, 1858

Lobocrinus nashvillae (Troost *in* Hall, 1858)

See: *Actinocrinus nashvillae* Troost *in* Hall, 1858

Lyriocrinus dactylus (Hall, 1843)

See: *Marsupiocrinites? dactylus* Hall, 1843

Macrocrinus gemmiformis (Hall, 1860)

See: *Actinocrinus gemmiformis* Hall, 1860

Macrocrinus konicki (Shumard, 1855)

See: *Actinocrinus urnaeformis* McChesney, 1860

Macrocrinus lagunculus (Hall, 1860)

See: *Actinocrinus lagunculus* Hall, 1860

Macrocrinus mundulus (Hall, 1860)

See: *Actinocrinus lagunculus* Hall, 1860
Actinocrinus mundulus Hall, 1860

Mariocrinus macropetalus Hall, 1859

Referred specimen: UC 15842, original specimen American Museum of Natural History 2299 2.

Hall, 1859, pp. 111-112.

Hall, 1861a, pl. 3A, fig. 1.

= *Corymbocrinus? macropetalus* (Hall, 1859)

Wachsmuth and Springer, 1897, p. 282.

= *Clonocrinus (?) macropetalus* (Hall, 1859)

Goldring, 1923, pp. 153–154.

Devonian, Helderberg.

Schoharie or The Helderbergs, New York; Hall Collection.

Remarks: UC 15842 is a cast of one of the original specimens.

Mariacrinus nobilissimus Hall, 1859

Referred specimen: UC 15838, original specimen American Museum of Natural History 2297/1.

Hall, 1859, pp. 105–107.

Hall, 1861a, pl. 2A, fig. 1, pl. 2, figs. 1–5.

Ward, 1866, p. 178, no. 938.

= *Melocrinus nobilissimus* (Hall, 1859)

Wachsmuth and Springer, 1897, pp. 295–296, pl. 23, figs. 1–3.

Goldring, 1923, pp. 117–118, pl. 6, figs. 1, 2.

= *Ctenocrinus nobilissimus* (Hall, 1859)

Kirk, 1929b, p. 342.

Devonian, Manlius Beds.

Litchfield, New York; Hall Collection.

Remarks: UC 15838 is a cast of one of the original specimens.

Marsipocrinus magnificus Troost *in* Wood, 1909

Holotype: UC 22206, original specimen in the U.S. National Museum 39927.

Troost *in* Wood, 1909, pp. 34–35, pl. 10, figs. 5–7.

Springer, 1926a, pp. 61–62, pl. 19, figs. 1–1b.

= *Marsupiocrinus magnificus* (Troost *in* Wood, 1909)

Bassler and Moodey, 1943, p. 548.

Silurian, Niagaran, Brownsport Limestone.

Decatur County, Tennessee; Hall Collection.

Marsipocrinus rosaeformis Troost *in* Wood, 1909

Holotype: UC 22204.

Troost *in* Wood, 1909, p. 37, pl. 13, figs. 5, 6.

= *Marsupiocrinus rosaeformis* (Troost *in* Wood, 1909)

Bassler and Moodey, 1943, p. 548.

Silurian, Niagaran, Brownsport Limestone.

Perry County, Tennessee; Hall Collection.

Remarks: Originally described as *Cupellacrinites rosaeformis* by Troost, 1850 (*nomen nudum*).

Marsupiocrinites? dactylus Hall, 1843

Referred specimen: UC 15754, original specimens American Museum of Natural History.

Hall, 1843, p. 114, text fig. (p. 113), 41, 4; org. rem. tbl. 18, fig. 4.

= *Lyriocrinus dactylus* (Hall, 1843)

Hall, 1852a, pp. 197-198, pl. 44, fig. 1a?

S. A. Miller, 1889, p. 258, text fig. 352.

Lesley, 1889, p. 366, text fig.

Wachsmuth and Springer, 1897, pp. 262-263, pl. 11, fig. 5b.

Silurian, Rochester Shale.

Lockport, New York; Hall Collection.

Remarks: UC 15754 is a cast of one of the original specimens.

Marsupiocrinus magnificus (Troost *in* Wood, 1909)

See: *Marsipocrinus magnificus* Troost *in* Wood, 1909

Marsupiocrinus rosaeformis (Troost *in* Wood, 1909)

See: *Marsipocrinus rosaeformis* Troost *in* Wood, 1909

Megistocrinus depressus Hall, 1862

See: *Megistocrinus ontario* Hall, 1862

Megistocrinus evansi (Owen and Shumard, 1850)

See: *Actinocrinus superlatus* Hall, 1858

Megistocrinus evansii (Owen and Shumard, 1850)

See: *Actinocrinus superlatus* Hall, 1858

Megistocrinus ontario Hall, 1862

Referred specimen: UC 54084, original specimen New York State Museum 4321/2.

Hall, 1862, p. 136.

Goldring, 1923, pp. 234–239, pl. 34, figs. 1, 2.

= *Megistocrinus depressus* Hall, 1862

Wachsmuth and Springer, 1897, pp. 540–541.

Devonian, Hamilton Group.

Western New York; Hall Collection.

Remarks: UC 54084 is cast of one of the original specimens.

Melocrinites obpyramidalis (Winchell and Marcy, 1865)

See: *Melocrinus obpyramidalis* (Winchell and Marcy, 1865)

Melocrinites sculptus Hall, 1852

“Cotypes”: UC 15846, two specimens.

Hall, 1852a, p. 228, pl. 49A, figs. 2a–2c.

Hall, 1852b, p. 52, pl. 49A, figs. 2a–2c.

Bassler and Moodey, 1943, p. 559.

= *Melocrinus sculptus* (Hall, 1852)

Bassler, 1915, p. 797.

Silurian, Niagara Limestone.

Lockport, New York; Hall Collection.

Melocrinites splendens (Goldring, 1923)

See: *Melocrinus splendens* Goldring, 1923

Melocrinus nobilissimus (Hall, 1859)

See: *Mariacrinus nobilissimus* Hall, 1859

Melocrinus obpyramidalis (Winchell and Marcy, 1865)

Referred specimen: UC 6587, original specimen in the Chicago Academy of Science.

S. Weller, 1900, pp. 97–99, pl. 3, fig. 12.

= *Melocrinites obpyramidalis* (Winchell and March, 1865)

Bassler and Moodey, 1943, p. 558.

Silurian, Niagaran.

Chicago, Illinois.

Melocrinus pratteni (McChesney, 1860)

See: *Forbesiocrinus pratteni* McChesney, 1860

Melocrinus sculptus (Hall, 1852)

See: *Melocrinites sculptus* Hall, 1852

Melocrinus splendens Goldring, 1923

Holotype: UC 12926.

Goldring, 1923, pp. 144–146, pl. 16, fig. 1.

= *Melocrinites splendens* (Goldring, 1923)

Bassler and Moodey, 1943, p. 559.

Devonian, Chemung.

Binghamton, New York; Hall Collection.

Metichthyocrinus tiaraeformis (Troost *in* Hall, 1858)

See: *Ichthyocrinus tiaraeformis* Troost *in* Hall, 1858

Myelodactylus nodosarius (Hall, 1859)

See: *Brachiocrinus nodosarius* Hall, 1859

Ohiocrinus constrictus (Hall, 1871)

See: *Homocrinus constrictus* Hall, 1868

Onychocrinus asteriaeformis (Hall, 1861)

See: *Forbesiocrinus asteriaeformis* Hall, 1861

Onychocrinus whitfieldi (Hall, 1858)

See: *Forbesiocrinus whitfieldi* Hall, 1858

Pachylocrinus aequalis (Hall, 1861)

See: *Scaphiocrinus aequalis* Hall, 1861

Pachylocrinus scoparius (Hall, 1858)

See: *Scaphiocrinus scoparius* Hall, 1858

Parichthyocrinus meeki (Hall, 1858)

See: *Forbesiocrinus meeki* Hall, 1858

Parisocrinus intermedius (Hall, 1858)

See: *Cyathocrinus intermedius* Hall, 1858

Pellecrinus hexadactylus (Lyon and Casseday, 1860)

See: *Cyathocrinus lyoni* Hall, 1861

Periechocrinites whitfieldi (Hall, 1868)

See: *Saccocrinus christyi* (Hall, 1863)

Periechocrinus whitfieldi (Hall, 1868)

See: *Saccocrinus christyi* (Hall, 1863)

Petalocrinus mirabilis S. Weller and Davidson, 1896

“Cotypes”: UC 2975, five specimens and P 5362, two specimens.
S. Weller and Davidson, 1896, pp. 167–170, text figs. 1, 2, pl. 6,
figs. 2–5.

Bather, 1898, pp. 405–406, 427–431, text fig. 1, pl. 26, figs.
41–43, 48–50.

Silurian, Niagaran.

Jones County, Iowa; S. Weller Collection.

Phacelocrinus dactyliformis (Hall, 1858)

See: *Scaphiocrinus dactyliformis* Hall, 1858

Phacelocrinus decabrachiatus (Hall, 1858)

See: *Scaphiocrinus decabrachiatus* Hall, 1858

Phacelocrinus internodius (Hall, 1858)

See: *Scaphiocrinus internodius* Hall, 1858

Phanocrinus maniformis (Yandell and Shumard, 1847)

See: *Zeacrinus maniformis* (Yandell and Shumard, 1847)

Physetocrinus ventricosus (Hall, 1858)

See: *Actinocrinus subventricosus* McChesney, 1860
Actinocrinus ventricosus Hall, 1858

Platycrinites burlingtonensis (Owen and Shumard, 1850)

See: *Platycrinus inornatus* (McChesney, 1860)

Platycrinites discoideus (Owen and Shumard, 1850)

See: *Platycrinus shumardanus* Hall, 1858

Platycrinites halli (Shumard, 1866)

See: *Platycrinus planus?* Owen and Shumard, 1850

Platycrinites ornigranulus (McChesney, 1860)

See: *Platycrinus ornogranulus* McChesney, 1860

Platycrinites regalis (Hall, 1861)

See: *Platycrinus regalis* Hall, 1861

Platycrinites saffordi (Troost *in* Hall, 1858)

See: *Platycrinus saffordi* Troost *in* Hall, 1858

Platycrinites sarae (Hall, 1858)

See: *Platycrinus sarae* Hall, 1858

Platycrinites sculptus (Hall, 1858)

See: *Platycrinus sculptus* Hall, 1858

Platycrinites wortheni (Hall, 1858)

See: *Platycrinus wortheni* Hall, 1858

Platycrinus burlingtonensis Owen and Shumard, 1850

See: *Platycrinus inornatus* McChesney, 1860

Platycrinus discoideus Owen and Shumard, 1850

See: *Platycrinus shumardanus* Hall, 1858

Platycrinus halli Shumard, 1866

See: *Platycrinus planus?* Owen and Shumard, 1850

Platycrinus inornatus McChesney, 1860

Holotype: UC 13215.

McChesney, 1860, pp. 6-7, text fig.

McChesney, 1865, pl. 4, figs. 3a, 3b.

- = *Platycrinus burlingtonensis* Owen and Shumard, 1850
 McChesney, 1868, p. 4, pl. 4, figs. 3a, 3b.
 = *Platycrinites burlingtonensis* (Owen and Shumard, 1850)
 Bassler and Moodey, 1943, p. 617.
 Mississippian, Burlington Limestone.
 Burlington, Illinois; Hall Collection.

Platycrinus ornigranulus McChesney, 1860

See: *Platycrinus ornigranulus* McChesney, 1860

Platycrinus ornogranulus McChesney, 1860

Holotype: UC 13214.

McChesney, 1860, pp. 5-6, text fig.

McChesney, 1865, pl. 5, fig. 8.

- = *Platycrinus ornigranulus* [sic] McChesney, 1860
 McChesney, 1868, pp. 3-4, text fig., pl. 5, fig. 8.

- = *Platycrinites ornigranulus* (McChesney, 1860)
 Bassler and Moodey, 1943, p. 624.

Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Platycrinus planus? Owen and Shumard, 1850

Referred specimen: UC 15835.

Hall, 1858, pp. 533-534, pl. 8, figs. 6a, 6b.

- = *Platycrinus halli* Shumard, 1866
 Wachsmuth and Springer, 1897, pp. 662-663.

- = *Platycrinites halli* (Shumard, 1866)
 Bassler and Moodey, 1943, p. 621.

Mississippian, Burlington Limestone.
 Burlington, Iowa; Hall Collection.

Platycrinus regalis Hall, 1861

Holotype: UC 15764, original specimen in the Harvard, Museum
 of Comparative Zoology, Cambridge, Massachusetts.

Hall, 1861c, p. 16.

Hall, 1872b, pl. 2, fig. 6.

Wachsmuth and Springer, 1897, pp. 710-711, pl. 72, fig. 2.

- = *Platycrinites regalis* (Hall, 1861)

Bassler and Moodey, 1943, p. 625.
Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Platycrinus saffordi Troost *in* Hall, 1858

Referred specimen: UC 15894.

Troost *in* Hall, 1858, p. 634, pl. 18, fig. 5.

= *Platycrinites saffordi* (Troost *in* Hall, 1858)

Bassler and Moodey, 1943, p. 626.

Mississippian, Keokuk Limestone.

Warsaw, Illinois; Hall Collection.

Remarks: UC 15894 is a cast of one of the specimens originally figured by Hall, 1858, and is not Troost's holotype. See Wood, 1909, pp. 39-40 for a discussion of the type specimens.

Platycrinus sarae Hall, 1858

Holotype: UC 15862, original specimen University of Illinois X-1194.

Hall, 1858, p. 673, pl. 18 [not 17], fig. 4.

Wachsmuth and Springer, 1897, pp. 677-678, pl. 69, fig. 7.

= *Platycrinites sarae* (Hall, 1858)

Bassler and Moodey, 1943, p. 626.

Mississippian, St. Louis Limestone.

Near St. Louis, Missouri; Hall Collection.

Platycrinus sculptus Hall, 1858

Holotype: UC 15893, original specimen University of Illinois X-1075.

Hall, 1858, pp. 536-537, pl. 8, fig. 11.

= *Platycrinites sculptus* (Hall, 1858)

Bassler and Moodey, 1943, p. 626.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Platycrinus shumardanus Hall, 1858

Holotype: UC 15860, original specimen University of Illinois X-821.

Hall, 1858, pp. 532-533, text fig. 58.

- = *Platycrinus shumardianus* Hall, 1858
Hall, 1858, pl. 8, fig. 5.
- = *Platycrinus discoideus* Owen and Shumard, 1850
Wachsmuth and Springer, 1897, pp. 713–714.
- = *Platycrinites discoideus* (Owen and Shumard, 1850)
Bassler and Moodey, 1943, p. 619.
Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Platycrinus shumardianus Hall, 1858

See: *Platycrinus shumardianus* Hall, 1858

Platycrinus tuberosus Hall, 1858

- Holotype: UC 15882, original specimen University of Illinois X-845.
Hall, 1858, pp. 534–535, pl. 8, figs. 7a, 7b.
- = *Eucladocrinus tuberosus* (Hall, 1858)
Wachsmuth and Springer, 1897, p. 728.
Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Platycrinus wortheni Hall, 1858

- “Cotype”: UC 15861, original specimen University of Illinois X-565.
Hall, 1858, pp. 530–532, text fig. 57, pl. 8, fig. 4.
Wachsmuth and Springer, 1897, pp. 702–703, pl. 67, fig. 9.
- = *Platycrinites wortheni* (Hall, 1858)
Bassler and Moodey, 1943, p. 629.
Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Poteriocrinites nodobrachiatus (Hall, 1861)

See: *Scaphiocrinus nodobrachiatus* Hall, 1861

Poteriocrinites (Zeacrinus) mucrospinus (McChesney, 1860)

See: *Zeacrinus mucrospinus* McChesney, 1860

Poteriocrinus nodobrachiatus (Hall, 1861)

See: *Scaphiocrinus nodobrachiatus* Hall, 1861

Poteriocrinus (Pachyocrinus) subaequalis Wachsmuth and Springer, 1879

See: *Scaphiocrinus aequalis* Hall, 1861

Poteriocrinus (Scaphiocrinus) aequalis (Hall, 1861)

See: *Scaphiocrinus aequalis* Hall, 1861

Poteriocrinus (Scaphiocrinus) simplex Hall, 1858

Holotype: UC 23333, original specimen University of Illinois X-806.

Hall, 1858, pp. 551-552, text fig. 70, pl. 9, fig. 10.

= *Graphiocrinus simplex* (Hall, 1858)

Wachsmuth and Springer, 1880, p. 346.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Poteriocrinus (Scytalocrinus) decabrachiatus (Hall, 1858)

See: *Scaphiocrinus decabrachiatus* Hall, 1858

Poteriocrinus (Scytalocrinus) robustus (Hall, 1861)

See: *Scaphiocrinus robustus* Hall, 1861

Pterotocrinus capitalis (Lyon, 1857)

See: *Asterocrinus capitalis* Lyon, 1857

Pterotocrinus coronarius (Lyon, 1857)

See: *Dichocrinus protuberans* Hall, 1858

Pterotocrinus protuberans (Hall, 1858)

See: *Dichocrinus protuberans* Hall, 1858

Reteocrinus stellaris Billings, 1859

Referred specimen: UC 14309.

Billings, 1859, p. 64, pl. 9, figs. 4b, 4c.

Springer, 1911b, p. 10, pl. 1, fig. 6.

Ordovician, Trenton Limestone.

Ottawa, Canada; Springer, donor.

Remarks: UC 14309 is a cast of one of the original specimens used by Billings, 1859.

Rhodocrinites barrisi (Hall, 1861)

See: *Rhodocrinus barrisi* var. *divergens* Hall, 1861

Rhodocrinites wortheni (Hall, 1858)

See: *Rhodocrinus wortheni* Hall, 1858

Rhodocrinus barrisi Hall, 1861

See: *Rhodocrinus barrisi* var. *divergens* Hall, 1861

Rhodocrinus barrisi var. **divergens** Hall, 1861

Holotype: UC 15818.

Hall, 1861b, p. 324.

Hall, 1861c, p. 9.

Hall, 1872b, pl. 6, fig. 18.

= *Rhodocrinus barrisi* Hall, 1861

Wachsmuth and Springer, 1897, pp. 230-231.

= *Rhodocrinites barrisi* (Hall, 1861)

Bassler and Moodey, 1943, p. 662.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Rhodocrinus wortheni Hall, 1858

Holotype: UC 15903, original specimen University of Illinois X-804 ("syntype").

Hall, 1858, pp. 556-557, pl. 9, figs. 8a-8c.

= *Rhodocrinites wortheni* (Hall, 1858)

Bassler and Moodey, 1943, p. 666.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Saccocrinus christyi (Hall, 1863)

Referred specimen: UC 23328.

Hall, 1879b, pp. 127-128, pl. 13, figs. 16, 17.

Hall, 1882b, pp. 254-256, pl. 12, figs. 16, 17.

= *Periechocrinus whitfieldi* (Hall, 1868)

Wachsmuth and Springer, 1897, pp. 522-523.

= *Periechocrinites whitfieldi* (Hall, 1868)

Bassler and Moodey, 1943, p. 601.

Silurian, Niagara Group.

Waldron, Indiana; Hall Collection.

Scaphiocrinus aequalis Hall, 1861

Holotype: UC 15826.

Hall, 1861b, pp. 316–317.

Hall, 1872a, pl. 5, fig. 10.

= *Poteriocrinus* (*Scaphiocrinus*) *aequalis* (Hall, 1861)

Meek and Worthen, 1873, p. 494.

= *Poteriocrinus* (*Pachylocrinus*) *subaequalis* Wachsmuth and Springer, 1879

Wachsmuth and Springer, 1880, p. 339.

= *Pachylocrinus aequalis* (Hall, 1861)

Bassler and Moodey, 1943, p. 578.

Van Sant *in* Van Sant and Lane, 1964, pp. 87–88.

= *Woodocrinus aequalis* (Hall, 1861); museum catalogue.

Mississippian, Keokuk Limestone.

Crawfordsville, Indiana; Hall Collection.

Scaphiocrinus calyculus (Hall, 1858)

Referred specimen: UC 15828.

Hall, 1872b, pl. 6, fig. 1.

= *Hypselocrinus calyculus* (Hall, 1858)

Kirk, 1940, p. 326.

Mississippian, Burlington Limestone.

Cape Girardeau, Missouri; Hall Collection.

Scaphiocrinus dactyliformis Hall, 1858

Holotype: UC 15865, original specimen University of Illinois X-730.

Hall, 1858, pp. 670–671, text fig. 105, pl. 17, fig. 6.

= *Phacelocrinus dactyliformis* (Hall, 1858)

Kirk, 1940, p. 329.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 171, pl. 60, fig. 7.

Mississippian, St. Louis Limestone.

St. Louis, Missouri; Hall Collection.

Scaphiocrinus decabrachiatus Hall, 1858

Holotype: UC 15867, original specimen University of Illinois X-4A.

Hall, 1858, p. 679, text fig. 106, pl. 25, fig. 1.

= *Poteriocrinus (Scytalocrinus) decabrachiatus* (Hall, 1858)
Wachsmuth and Springer, 1880, p. 340.

= *Scytalocrinus decabrachiatus* (Hall, 1858)
S. Weller, 1898, p. 558.

= *Phacelocrinus decabrachiatus* (Hall, 1858)
Kirk, 1940, p. 330.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 171, pl. 60,
fig. 6.

Mississippian, Kaskaskia Limestone.

Kaskaskia, Illinois; Hall Collection.

Scaphiocrinus internodius Hall, 1858

"Cotype": UC 15866, original specimen University of Illinois X-10.

Hall, 1858, pp. 679–680, text fig. 107, pl. 25, fig. 2.

= *Phacelocrinus internodius* (Hall, 1858)
Kirk, 1940, p. 330.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 171, pl. 60,
fig. 16.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

Scaphiocrinus nodobrachiatus Hall, 1861

Holotype: UC 15827.

Hall, 1861b, p. 314.

Hall, 1872a, pl. 6, fig. 2.

= *Poteriocrinus nodobrachiatus* (Hall, 1861)
Wachsmuth and Springer, 1880, p. 343.

= *Poteriocrinites nodobrachiatus* (Hall, 1861)
Bassler and Moodey, 1943, p. 643.

Mississippian, Keokuk Limestone.

Crawfordsville, Indiana; Hall Collection.

Scaphiocrinus robustus Hall, 1861

Holotype: UC 15825.

Hall, 1861b, pp. 315-316.

Hall, 1872a, pl. 6, figs. 3-5.

= *Poteriocrinus* (*Scytalocrinus*) *robustus* (Hall, 1861)

Wachsmuth and Springer, 1880, p. 341.

= *Scytalocrinus robustus* (Hall, 1861)

Bassler and Moodey, 1943, p. 678.

Van Sant *in* Van Sant and Lane, 1964, pp. 97-98.

Mississippian, Keokuk Limestone.

Crawfordsville, Indiana; Hall Collection.

Scaphiocrinus scoparius Hall, 1858

Holotype: UC 15833, original specimen University of Illinois X-826.

Hall, 1858, pp. 680-681, text fig. 108, pl. 25, figs. 3a, 3b.

= *Pachylocrinus scoparius* (Hall, 1858)

Bassler and Moodey, 1943, p. 584.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

Remarks: *S. scoparius* = *Ascetocrinus scoparius* (Hall, 1858)

Moore and Laudon *in* Shimer and Shrock, 1944, p. 159.

Scaphiocrinus unicus Hall, 1861

Holotype: UC 15824.

Hall, 1861b, pp. 313-314.

Hall, 1872a, pl. 6, fig. 6.

= *Abrotocrinus unicus* (Hall, 1861)

Springer, 1926b, p. 73.

Van Sant *in* Van Sant and Lane, 1964, pp. 85-86.

Mississippian, Keokuk Limestone.

Crawfordsville, Indiana; Hall Collection.

Scyphocrinites pratteni (McChesney, 1860)

See: *Forbesiocrinus pratteni* McChesney, 1860

Scyphocrinus pratteni (McChesney, 1860)

See: *Forbesiocrinus pratteni* McChesney, 1860

Scytalocrinus decabrachiatus (Hall, 1858)

See: *Scaphiocrinus decabrachiatus* Hall, 1858

Scytalocrinus robustus (Hall, 1861)

See: *Scaphiocrinus robustus* Hall, 1861

Siphonocrinus nobilis (Hall, 1861)

See: *Glyptocrinus nobilis* Hall, 1861

Stemmatocrinus cernuus Trautschold, 1867

Holotype: UC 7998.

Trautschold, 1867, pp. 28–30, tbl. 3, figs. 5a, 5b.

Trautschold, 1879, p. 27, [tbl. 3, fig. 12, not seen].

Carboniferous.

Near Moscow, Russia; Gurley Collection.

Strotocrinus glyptus (Hall, 1860)

See: *Actinocrinus glyptus* Hall, 1860

Strotocrinus liratus (Hall, 1860)

See: *Actinocrinus liratus* Hall, 1860

Strotocrinus umbrosus (Hall, 1858)

See: *Actinocrinus umbrosus* Hall, 1858

Synbathocrinus matutinus Hall, 1858

Holotype: UC 15853, original specimen University of Illinois X-144.

Hall, 1858, p. 483, pl. 1, fig. 2.

Thomas, 1924, pp. 475–476, pl. 44, fig. 9.

Moore and Laudon *in* Shimer and Shrock, 1944, p. 151, pl. 56, fig. 22.

Devonian, Hamilton Group.

New Buffalo, Iowa; Hall Collection.

Synbathocrinus swallovi Hall, 1858

Holotype, not designated, to be selected from UC 15904.

Referred specimens: UC 15904, two specimens.

Hall, 1858, p. 672, pl. 17, figs. 8, 9.

Mississippian, St. Louis Limestone.

Near St. Louis, Missouri; Hall Collection.

Synbathocrinus wortheni Hall, 1858

Holotype: UC 15852, original specimen University of Illinois X-59.

Hall, 1858, p. 560, pl. 9, fig. 9.

Mississippian, Burlington Limestone.

Jersey Landing, Illinois; Hall Collection.

Taxocrinus interscapularis Hall, 1858

Holotype: UC 15863, original specimen University of Illinois X-1093.

Hall, 1858, pp. 482–483, pl. 1, fig. 3.

Springer, 1920, p. 385, pl. 52, fig. 6.

Thomas, 1924, pp. 474–475, pl. 44, fig. 10.

Devonian, Hamilton Group.

New Buffalo, Iowa; Hall Collection.

Taxocrinus juvenis (Hall, 1861)

See: *Forbesiocrinus juvenis* Hall, 1861

Taxocrinus shumardianus (Hall, 1858)

See: *Forbesiocrinus shumardianus* Hall, 1858

Taxocrinus whitfieldi (Hall, 1858)

See: *Forbesiocrinus whitfieldi* Hall, 1858

Teleiocrinus althea (Hall, 1861)

See: *Actinocrinus (Calathocrinus) althea* Hall, 1861

Teleiocrinus liratus (Hall, 1860)

See: *Actinocrinus liratus* Hall, 1860

Teleiocrinus umbrosus (Hall, 1858)

See: *Actinocrinus umbrosus* Hall, 1858

Thysanocrinus brachiatus (Hall, 1852)

See: *Glyptaster brachiatus* Hall, 1852

Thysanocrinus pentangularis Hall, 1867

Referred specimen: UC 6584, original specimen in the Chicago Academy of Science.

S. Weller, 1900, pp. 70–73, pl. 1, figs. 10, 11.

= *Dimerocrinus pentagularis* (Hall, 1867)
Bassler, 1915, p. 440.

= *Dimerocrinites pentangularis* (Hall, 1867)
Bassler and Moodey, 1943, p. 426.

Silurian, Niagaran.

Chicago, Illinois.

Trematocrinus reticulatus Hall, 1861

Holotype: UC 15823, original specimen in the Harvard Museum of
Comparative Zoology, Cambridge, Massachusetts.

Hall, 1861b, pp. 325-327.

Hall, 1861c, p. 9.

= *Gilbertsocrinus (Trematocrinus) reticulatus* (Hall, 1861)
Hall, 1872b, pl. 6, fig. 12.

= *Gilbertsocrinus reticulatus* (Hall, 1861)
Wachsmuth and Springer, 1897, pp. 244-245.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

Trematocrinus robustus Hall, 1860

Holotype: UC 15822.

Hall, 1860a, pp. 77-79, text fig.

Van Sant *in* Van Sant and Lane, 1964, pp. 105-106.

= *Gilbertsocrinus (Trematocrinus) robustus* (Hall, 1860)
Hall, 1872b, pl. 6, fig. 14.

= *Gilbertsocrinus tuberosus* (Lyon and Casseday, 1860)
Wachsmuth and Springer, 1897, pp. 239-240.

Mississippian, Keokuk Limestone.

Keokuk, Iowa; Hall Collection.

Trematocrinus typus Hall, 1860

Holotype: UC 15762.

Hall, 1860a, pp. 73-75, text fig.

= *Gilbertsocrinus (Trematocrinus) typus* (Hall, 1860)
Hall, 1872b, pl. 6, fig. 13.

= *Gilbertsocrinus typus* (Hall, 1860)
Wachsmuth and Springer, 1897, p. 242.

Mississippian, Burlington Limestone.
Burlington, Iowa; Hall Collection.

Uperocrinus aequibrachiatus (McChesney, 1860)
See: *Actinocrinus aequibrachiatus* McChesney, 1860

Uperocrinus hageri (McChesney, 1860)
See: *Actinocrinus hageri* McChesney, 1860

Uperocrinus longirostris (Hall, 1858)
See: *Actinocrinus longirostris* Hall, 1858

Uperocrinus nashvillae (Troost *in* Hall, 1858)
See: *Actinocrinus nashvillae* Troost *in* Hall, 1858

Vasocrinus hexadactylus (Lyon and Casseday, 1860)
See: *Cyathocrinus lyoni* Hall, 1861

Vasocrinus lyoni (Hall, 1861)
See: *Cyathocrinus lyoni* Hall, 1861

Woodocrinus aequalis (Hall, 1861)
See: *Scaphiocrinus aequalis* Hall, 1861

Woodocrinus elegans (Hall, 1858)
See: *Zeacrinus elegans* Hall, 1858

Woodocrinus ramosus (Hall, 1858)
See: *Zeacrinus ramosus* Hall, 1858

Zeacrinites bifurcatus (McChesney, 1860)
See: *Zeacrinus bifurcatus* McChesney, 1860

Zeacrinites intermedius (Hall, 1858)
See: *Zeacrinus intermedius* Hall, 1858

Zeacrinus bifurcatus McChesney, 1860
Holotype: UC 13216.

McChesney, 1860, pp. 9–10, text fig.

McChesney, 1865, pl. 5, fig. 3.

McChesney, 1868, pp. 6–7, text fig., pl. 5, fig. 3.

= *Zeacrinites bifurcatus* (McChesney, 1860)

Bassler and Moodey, 1943, p. 726.

Mississippian, Chester Division.

Kaskaskia, Illinois; Hall Collection.

***Zeacrinus elegans* Hall, 1858**

Holotype: UC 15855, original specimen University of Illinois X-571.

Hall, 1858, pp. 547–548, text fig. 68, pl. 9, figs. 1, 2.

= *Woodocrinus elegans* (Hall, 1858)

Keyes, 1894, p. 214.

Grabau and Shimer, 1910, p. 512, text fig. 1827.

= *Eratocrinus elegans* (Hall, 1858)

Kirk, 1938, p. 165.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

***Zeacrinus intermedius* Hall, 1858**

Holotype: UC 15834.

Hall, 1858, pp. 681–682, text fig. 109, pl. 25, fig. 4.

= *Zeacrinites intermedius* (Hall, 1858)

Bassler and Moodey, 1943, p. 727.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

***Zeacrinus manifoldis* (Yandell and Shumard, 1847)**

Referred specimen: UC 15854, original specimen University of Illinois X-4B.

Hall, 1858, pp. 682–683, text fig. 110, pl. 25, fig. 8.

= *Eupachyrcrinus manifoldis* (Yandell and Shumard, 1847)

Wood, 1909, p. 94.

= *Phanocrinus manifoldis* (Yandell and Shumard, 1847)

Sutton and Winkler, 1940, p. 554.

Mississippian, Kaskaskia Limestone.

Chester, Illinois; Hall Collection.

Remarks: UC 15854 is not the holotype as stated by Sutton and Winkler, 1940, p. 554. It does not correspond to the original figure published by Yandell and Shumard, 1847, pl. fig. 2.

Zeacrinus mucrospinus McChesney, 1860

Holotype: UC 13217.

McChesney, 1860, pp. 10-13, text fig.

McChesney, 1865, pl. 4, fig. 7a.

McChesney, 1868, pp. 7-9, text fig., pl. 4, fig. 7a.

= *Poteriocrinites (Zeacrinus) mucrospinus* (McChesney, 1860)

Meek and Worthen, 1873, p. 563.

= *Aatocrinus mucrospinus* (McChesney, 1860)

Moore and Plummer, 1940, p. 71.

Moore and Laudon *in* Shimer and Shroek, 1944, p. 163, pl. 63, fig. 3.

Coal Measures [Pennsylvanian].

Carlinville, Macoupin County, Illinois; Hall Collection.

Zeacrinus ramosus Hall, 1858

Holotype: UC 15856.

Hall, 1858, pp. 548-549, text fig. 69, pl. 9, fig. 3.

= *Woodocrinus ramosus* (Hall, 1858)

Wachsmuth and Springer, 1886, p. 166.

= *Eratocrinus ramosus* (Hall, 1858)

Kirk, 1938, p. 166.

Mississippian, Burlington Limestone.

Burlington, Iowa; Hall Collection.

REFERENCES

- BASSLER, RAY S.
1915. Bibliographic index of American Ordovician and Silurian fossils. Bull. U.S. Nat. Mus., **92**, 2 vols., 1521 pp.
- BASSLER, RAY S. and MARGARET W. MOODEY
1943. Bibliographic and faunal index of Paleozoic pelmatozoan echinoderms. Geol. Soc. Amer., Spec. Pap., **45**, 734 pp.
- BATHER, F. A.
1895. *Brachiocrinus* and *Herpetocrinus*. Amer. Geol., **16**, pp. 213-217.
1898. *Petalocrinus* Weller and Davidson. Quart. Jour. Geol. Soc. London, **54**, pp. 401-441, pls. 25-26, 15 text figs.
- BILLINGS, E.
1859. On the Crinoideae of the Lower Silurian rocks of Canada. Geol. Surv. Canad. Figures and Descriptions of Canadian Organic Remains, decade **4**, 72 pp., 10 pls., 26 text figs.
- BOWSHER, ARTHUR L.
1955. New genera of Mississippian camerate crinoids. U. Kansas Paleontol. Contr., Echinodermata, Art. **1**, pp. 1-23, text figs. 1-4, pls. 1-6.
- BRANSON, E. B.
1924. The Devonian of Missouri. Missouri Bur. Geol. Mines, ser. 2, **17**, 279 pp., 71 pls., 10 text figs.
1938. Stratigraphy and paleontology of the Lower Mississippian of Missouri, Part II. U. Missouri Stud., **13**, no. 4, 242 pp., pls. 21-48, text figs. 10-18.
- BROWER, JAMES C.
1965. The genus *Steganoocrinus*. Jour. Paleontol., **39**, no. 5, pp. 773-793, pls. 91-94, 7 text figs., 1 table.
1967. The actinocrinitid genera *Abactinoocrinus*, *Aacocrinus* and *Blairoocrinus*. Jour. Paleontol., **41**, no. 3, pp. 675-705, pls. 75-78, 9 text figs., 2 tables.
- BURDICK, D. W. and H. L. STRIMPLE
1969. Revision of some Chesteran inadunate crinoids. U. Kansas Paleontol. Contr., Pap. 40, 14 pp., 2 text figs., 1 pl.
- EASTON, WILLIAM H.
1942. Pitkin Limestone of Northern Arkansas. Ark. Geol. Surv. Bull. no. 8 iv+115 pp., 12 pls., 10 text-figs.
- FABER, CHARLES L.
1886. Remarks on some fossils of the Cincinnati Group. Jour. Cincinnati Soc. Nat. Hist., **9**, no. 1, pp. 14-20, pl. 1.
1929. A review of the genus *Lichenocrinus* and descriptions of two new genera. Amer. Midl. Nat., **11**, no. 9, pp. 453-490, pls. 27-35.

FISHER, D. J.

1925. Geology and mineral resources of the Joliet Quadrangle. Bull. Ill. State Geol. Surv., **51**, 160 pp., 6 pls., 47 text figs., 9 tables.

FOERSTE, AUGUST F.

1914. Notes on Agelacrinidae and Lepadocystinae, with descriptions of *Thresherodiscus* and *Broccoecystis*. Bull. Denison U. Sci. Lab., **17**, pp. 399-487, pls. 1-6.
1920. Racine and Cedarville cystids and blastoids with notes on other echinoderms. Ohio Jour. Sci., **21**, no. 2, pp. 33-82, pls. 1-4, 4 text figs.
1924. Upper Ordovician faunas of Ontario and Quebec. Canad. Geol. Surv. Mem., **138**, no. 121, Geol. Ser., 255 pp., 46 pls., 14 text figs.

GOLDRING, WINIFRED

1923. The Devonian crinoids of the state of New York. N. Y. State Mus. Mem., **16**, 670 pp., 60 pls., 63 text figs.

GRABAU, AMADEUS W.

- 1901a. Guide to the geology and paleontology of Niagara Falls and vicinity. Bull. N. Y. State Mus., **45**, vol. 9, 284 pp., 190 text figs.
- 1901b. Guide to the geology and paleontology of Niagara Falls and vicinity. Bull. Buffalo Soc. Nat. Sci., **7**, no. 1, 284 pp., 190 text figs.

GRABAU, AMADEUS W. and HERVEY WOODBURN SHIMER

1910. North American Index Fossils, Invertebrates, **2**, Seiler and Co., New York. 909 pp., text figs. 1,211-1,937.

HALL, JAMES

1843. Natural History of New York. Part 4. Geology of the 4th District. 683 pp., 19 pls., 191 text figs.; with the Table of Organic Remains, 74 illustrations.
- 1852a. Natural History of New York. Part 6. Palaeontology of New York, **2**, Containing Descriptions of the Organic Remains of the Lower Middle Division of the New York System. 363 pp., 109 pls., several text figs.
- 1852b. Crinoideae of the Clinton and Niagara Groups. Extract from Palaeontology of New York, **2**, 72 pp., pls. A41-51.
1858. Chapter 8. Palaeontology of Iowa. Report on the Geological Survey of the State of Iowa: Embracing the Results of Investigations Made During Portions of the Years, 1855, 1856 and 1857, **1**, Part 2: Palaeontology. Pp. 473-724, index pp. 1-3, pls. 1-29, text figs. 53-118.
1859. Natural History of New York. Part 6. Palaeontology of New York, **3**, Containing Descriptions and Figures of the Organic Remains of the Lower Helderberg Group and the Oriskany Sandstone, part 1. Text 532 pp.
- 1860a. Contributions to the palaeontology of Iowa; being descriptions of new species of Crinoidea and other fossils. Supplement to vol. 1, part 2, of the Geological Report of Iowa, 92 pp., numerous text figs., 3 pls.
- 1860b. Observations upon a new genus of Crinoidea: *Cheirocrinus*. 13th Ann. Rept., N. Y. State Cab. Nat. Hist., pp. 121-124, numerous text figs.
- 1861a. Natural History of New York. Part 6. Palaeontology of New York, **3**, Containing Description and Figures of the Organic Remains of the Lower Helderberg Group and the Oriskany Sandstone, part 2. 120 pls.
- 1861b. Art. IV. Descriptions of new species of Crinoidea from the Carboniferous rocks of the Mississippi Valley. Jour. Boston Soc. Nat. Hist., **7**, pp. 261-328. [Abstract, with some modifications, published separately; not seen.]
- 1861c. Descriptions of New Species of Crinoidea; from Investigations of the Iowa Geological Survey. Preliminary Notice, pp. 9-18. [Note: Hall in the

preface to this paper says, "The first twelve pages of this paper were published and distributed on the fourteenth day of February, 1861, (See Hall, 1861d); and the entire paper, in its present form, is published according to the date of the imprint on the title page. February 19, 1861."

- 1861d. Descriptions of new species of fossils; from the investigations of the survey. Pp. 9-52. *In* Report of the superintendent of the Geological Survey [of Wisconsin], exhibiting the progress of the work, January 1, 1861. E. A. Calkins & Co., Madison, Wis.
1862. Appendix D. Contributions to palaeontology; comprising descriptions of new species of fossils, from the Upper Helderberg, Hamilton and Chemung Groups. 15th Ann. Rept., N. Y. State Cab. Nat. Hist., pp. 27-177, pls. 1-10.
1866. Descriptions of some new species of Crinoidea and other fossils from the Lower Silurian strata of the age of the Hudson-River Group and Trenton Limestone. Adv. Sheets, 24th Ann. Rept., N. Y. State Cab. Nat. Hist., 17 pp.
- 1868a. Account of some new or little-known species of fossils from rocks of the age of the Niagara Group. 20th Ann. Rept., N. Y. State Cab. Nat. Hist., pp. 305-401, pls. 9-22.
- 1868b. Descriptions of some new species of Crinoidea and other fossils from the Lower Silurian strata, principally of the age of the Hudson-River Group. 20th Ann. Rept., N. Y. State Cab. Nat. Hist., p. 304.
1870. Descriptions of new or little-known species of fossils from rocks of the age of the Niagara Group. 20th Ann. Rept., N. Y. State Cab. Nat. Hist., rev. ed., pp. 347-434, pls. 9-25.
1871. Descriptions of some new species of fossils from the shales of the Hudson-River Group, in the vicinity of Cincinnati, Ohio. Adv. Sheets, 24th Ann. Rept., N. Y. State Cab. Nat. Hist., 8 pp., 4 pls. [Some of the figures on these plates are described in Hall, 1866.]
- 1872a. Description of new species of Crinoidea and other fossils from strata of the age of the Hudson-River Group and Trenton Limestone. 24th Ann. Rept., N. Y. State Cab. Nat. Hist., pp. 205-224, 3 text figs., illus. on pls. 2, 5-7.
- 1872b. Photographic plates, 7 pls. [Note: In the upper left hand corner of each plate is printed "State Mus. N. H. Bul. 1." We have a copy of these seven plates but there is no cover or title page, only a page with "Explanations of Plates, published August, 1872" printed on it. Elsewhere in the literature it has been quoted as Photographic plates.]
- 1879a. Preliminary Notice of Hall, 1882a, 19 pp. [Not seen.]
- 1879b. The fauna of the Niagara Group, in central Indiana. 28th Ann. Rept., N. Y. State Mus. Nat. Hist., pp. 99-203, pls. 3-34.
- 1879c. Notice of some remarkable crinoidal forms from the Lower Helderberg Group. 28th Ann. Rept., N. Y. State Mus. Nat. Hist., pp. 205-210, pls. 35-37.
1880. Notice of some new and remarkable forms of Crinoidea from the Lower Helderberg Group of New York and Tennessee. Extract from 28th Ann. Rept., N. Y. State Mus. Nat. Hist., 8 pp., pls. 35-37.
- 1882a. Description of new species of fossils from the Niagara Formation at Waldron, Indiana. Trans. Albany Inst., 10, pp. 57-76.
- 1882b. Descriptions of the species of fossils found in the Niagara Group at Waldron, Indiana. 11th Ann. Rept., Ind. Geol. Surv., pp. 217-345, pls. 1-36.

KEYES, CHARLES ROLLIN

1894. Missouri Geol. Surv., 4, Paleontology of Missouri (Part 1), 271 pp., 9 text figs., 32 pls.

KIRK, EDWIN

- 1929a. The fossil crinoid genus *Vasocrinus* Lyon. Proc. U.S. Nat. Mus., 74, no. 15, pp. 1-16, pls. 1-2.

- 1929b. The status of the genus *Mariaerinus* Hall. Amer. Jour. Sci., ser. 5, **18**, pp. 337-346.
1937. *Eupachyrcrinus* and related Carboniferous crinoid genera. Jour. Paleontol., **11**, no. 7, pp. 598-607, pl. 84.
1938. Five new genera of Carboniferous Crinoidea Inadunata. Jour. Wash. Acad. Sci., **28**, no. 4, pp. 158-172.
1939. Two new genera of Carboniferous inadunate crinoids. Jour. Wash. Acad. Sci., **29**, no. 11, pp. 469-473.
1940. Seven new genera of Carboniferous Crinoidea Inadunata. Jour. Wash. Acad. Sci., **30**, no. 8, pp. 321-334.
1941. Four new genera of Mississippian Crinoidea Inadunata. Jour. Paleontol., **15**, no. 1, pp. 82-88, pls. 17-18.
1942. *Sarcoerinus*, a new crinoid genus from the Lower Mississippian. Jour. Paleontol., **16**, no. 3, pp. 382-386, pl. 58.
- 1943a. Identification of *Actinocrinus chloris* Hall. Jour. Wash. Acad. Sci., **33**, no. 11, pp. 346-347.
- 1943b. A revision of the genus *Steganoerinus*. Jour. Wash. Acad. Sci., **33**, no. 9, pp. 259-265, 5 text figs.
1944. *Cytdoerinus*, a new name for *Cyrtocrinus* Kirk. Jour. Wash. Acad. Sci., **34**, no. 3, p. 85.
1946. *Stiptocrinus*, a new camerate crinoid genus from the Silurian. Jour. Wash. Acad. Sci., **36**, no. 2, pp. 33-36.
- LANE, N. GARY
1969. A crinoid from the Pennsylvanian Essex fauna of Illinois. Fieldiana: Geol., **12**, no. 9, pp. 151-156, figs. 81-83.
- LAUDON, L. R. and B. H. BEANE
1937. The crinoid fauna of the Hampton Formation at LeGrand, Iowa. Univ. Iowa Stud. Nat. Hist., **17**, no. 6, pp. 229-272, pls. 15-19, 7 text figs.
- LESLEY, J. P.
- 1889-1890. A dictionary of the fossils of Pennsylvania and neighboring states named in the reports and catalogues of the survey. Penn. Geol. Surv. Rept. P4, 3 vols., 1283 pp. **1**, pp. 1-437, covers A-M; **2**, pp. 438-914, covers N-R; **3**, pp. 915-1283, covers S-Z.
- LOWENSTAM, HEINZ A.
1942. The development of the crinoid root *Ancyrocrinus*. Bull. Buffalo Soc. Nat. Sci., **17**, no. 3, pp. 21-36, pls. 5-6.
- LYON, SIDNEY S.
1857. Palaeontological report in Geol. Surv. Kentucky Made During the Years 1856 and 1857, **3**, pp. 467-498, pls. 1-5. Plates printed separately in 1857 as "Maps and Illustrations Referred to in Volume 2 and 3 of the Geological Survey of Kentucky."
- LYON, SIDNEY S. and S. A. CASSEDAY
1860. Description of nine new species of Crinoidea from the Subcarboniferous rocks of Indiana and Kentucky. Amer. Jour. Sci., ser. 2, **29**, pp. 68-79.
- MACURDA, DONALD B., JR.
1968. Ontogeny of the crinoid *Eucalyptocrinites*. Jour. Paleontol., **42**, Supplement no. 3, pp. 99-118, 10 text figs.
- MATHER, KIRTLEY F.
1915. The fauna of the Morrow Group of Arkansas and Oklahoma. Bull. Sci. Lab. Denison Univ., **18**, pp. 59-284, 5 text figs., 16 pls.

MCCHESENEY, J. H.

1860. Descriptions of new species of fossils, from the Palaeozoic rock of the western states. Extract from Trans. Chicago Acad. Sci., 1, 64 pp., numerous text figs.
1865. Description of new fossils from the Palaeozoic rocks of the western states. Extract from Trans. Chicago Acad. Sci., 1, pp. 77-97, pls. 1-11, numerous text figs.
1868. Descriptions of fossils from the Palaeozoic rocks of the western states, with illustrations. Trans. Chicago Acad. Sci., 1, pp. 1-57, pls. 1-9, numerous text figs.

MEEK, F. B.

1873. Section 1. Descriptions of invertebrate fossils of the Silurian and Devonian Systems. Geol. Surv. Ohio, 1, Geology and Palaeontology, Part 2. Palaeontology, 243 pp., 23 pls., 8 text figs.

MEEK, F. B. and A. H. WORTHEN

1866. Section 2. Descriptions of invertebrates from the Carboniferous System. Palaeontology of Illinois. Geol. Surv. Ill., 2, pp. 143-423, pls. 14-32, numerous text figs.
1868. Remarks on some types of Carboniferous Crinoidea, with descriptions of new genera and species of the same, and of one echinoid. Proc. Acad. Nat. Sci. Philadelphia. 1868, pp. 335-359.
1873. Part 2. Palaeontology of Illinois. Descriptions of invertebrates from the Carboniferous System. Geol. Surv. Ill. 5, Geology and Palaeontology, pp. 323-619, pls. 1-32.

MILLER, S. A.

1875. *Glyptocrinus shafferi*. Cincinnati Quart. Jour. Sci., 2, no. 3, pp. 277-279, text fig. 20.
1878. Description of a new genus and eleven new species of fossils, with remarks upon others well-known, from the Cincinnati Group. Jour. Cincinnati Soc. Nat. Hist., 1, no. 1, pp. 100-108, pl. 3.
- 1879a. Remarks upon the Kaskaskia Group, and descriptions of new species of fossils from Pulaski County, Kentucky. Jour. Cincinnati Soc. Nat. Hist., 2, no. 1, pp. 31-42, pl. 8.
- 1879b. Description of twelve new fossil species, and remarks upon others. Jour. Cincinnati Soc. Nat. Hist., 2, no. 2, pp. 104-118, pls. 9-10.
1880. Description of four new species and a new variety of Silurian fossils, and remarks upon others. Jour. Cincinnati Soc. Nat. Hist., 3, no. 3, pp. 232-236, pl. 7.
- 1881a. New species of fossils and remarks upon others from the Niagara Group of Illinois. Jour. Cincinnati Soc. Nat. Hist., 4, no. 2, pp. 166-176.
- 1881b. Description of new species of fossils. Jour. Cincinnati Soc. Nat. Hist., 4, no. 3, pp. 259-262, pl. 6.
- 1881c. Description of some new and remarkable crinoids and other fossils of the Hudson River Group, and notice of *Strotocrinus bloomfieldensis*. Jour. Cincinnati Soc. Nat. Hist., 4, no. 1, pp. 69-77, pl. 1.
- 1881d. Description of new species of fossils from the Hudson River Group, and remarks upon others. Jour. Cincinnati Soc. Nat. Hist., 4, pp. 316-319, pl. 8.
- 1882a. Description of three new orders and four new families, in the class Echinodermata, and eight new species from the Silurian and Devonian Formations. Jour. Cincinnati Soc. Nat. Hist., 5, no. 4, pp. 221-231, pl. 9.
- 1882b. Description of ten new species of fossils. Jour. Cincinnati Soc. Nat. Hist., 5, no. 2, pp. 79-88, pls. 3-4.

- 1882c. Description of three new species and remarks upon others. Jour. Cincinnati Soc. Nat. Hist., 5, no. 3, pp. 116-117, pl. 5, figs. 5-8.
1883. *Glyptocrinus* redefined and restricted, *Gaurocrinus*, *Pycnocrinus* and *Compsocrinus* established, and two new species described. Jour. Cincinnati Soc. Nat. Hist., 6, no. 4, pp. 217-234, pl. 11.
1884. Description of a beautiful starfish and other fossils. Jour. Cincinnati Soc. Nat. Hist., 7, no. 1, pp. 16-20, pl. 4.
1888. A new genus of crinoids from the Niagara Group. Amer. Geol., 1, no. 5, pp. 263-264.
1889. North American Geology and Palaeontology for the Use of Amateurs, Students, and Scientists. Cincinnati, Ohio. 664 pp., 1,194 text figs. [Published by author.]
- 1891a. Palaeontology. Preliminary remarks. Advance Sheets, 17th Ann. Rep., Geol. Surv. Indiana, 103 pp., 20 pls.
- 1891b. A description of some Lower Carboniferous crinoids from Missouri. Bull. Geol. Surv. Missouri, 4, pp. 5-40, pls. 1-5.
- 1892a. Palaeontology. Preliminary remarks. 17th Ann. Rept., Ind. Dept. Geol. Nat. Res., pp. 611-705, pls. 1-20.
- 1892b. Palaeontology. Advance Sheets, Ind. Geol. Surv., 18, 79 pp., 12 pls.
- 1892c. North American Geology and Palaeontology for the Use of Amateurs, Students and Scientists, First Appendix, pp. 665-718, text figs. 1195-1265. [Published by author.]
1894. Palaeontology. 18th Ann. Rept., Ind. Dept. Geol. Nat. Res., pp. 257-333, pls. 1-11.
1897. Second appendix to North American Geology and Palaeontology, pp. 719-793, text figs. 1266-1458. [Published by author.]

MILLER, S. A. and WM. F. E. GURLEY

- 1890a. Description of some new genera and species of Echinodermata, from the Coal Measures and Subcarboniferous rocks of Indiana, Missouri and Iowa. Jour. Cincinnati Soc. Nat. Hist., 13, no. 1, pp. 3-25, pls. 1-4.
- 1890b. Description of Some New Genera and Species of Echinodermata from the Coal Measures and Subcarboniferous Rocks of Indiana, Missouri and Iowa, 59 pp., 10 pls. [Published by authors.]
- 1891 [1889]. Description of some new genera and species of Echinodermata from the Coal Measures and Subcarboniferous rocks of Indiana, Missouri and Iowa. 16th Ann. Rept., Ind. Dept. Geol. Nat. Hist., pp. 327-373, pls. 1-10.
- 1894a. Description of some new species of invertebrates from the Palaeozoic rocks of Illinois and adjacent states. Bull. Ill. State Mus. Nat. Hist., 3, 81 pp., 8 pls.
- 1894b. Upper Devonian and Niagara crinoids. Bull. Ill. State Mus. Nat. Hist., 4, 37 pp., 3 pls.
- 1894c. New genera and species of Echinodermata. Bull. Ill. State Mus. Nat. Hist., 5, 53 pp., 5 pls.
- 1895a. Description of new species of Palaeozoic Echinodermata. Bull. Ill. State Mus. Nat. Hist., 6, 62 pp., 5 pls.
- 1895b. New and interesting species of Palaeozoic fossils. Bull. Ill. State Mus. Nat. Hist., 7, 89 pp., 5 pls.
- 1896a. Description of new and remarkable fossils from the Palaeozoic rocks of the Mississippi Valley. Bull. Ill. State Mus. Nat. Hist., 8, 65 pp., 5 pls.
- 1896b. New species of crinoids from Illinois and other states. Bull. Ill. State Mus. Nat. Hist., 9, 66 pp., 5 pls.
- 1896c. New species of Echinodermata and a new crustacean from the Palaeozoic rocks. Bull. Ill. State Mus. Nat. Hist., 10, 91 pp., 5 pls.
1897. New species of crinoids, cephalopods and other Palaeozoic fossils. Bull. Ill. State Mus. Nat. Hist., 12, 69 pp., 5 pls.

MOORE, RAYMOND C.

1967. Treatise on Invertebrate Paleontology, Part S, Echinodermata 1, vols. 1 and 2, 650 pp., 440 text figs.

MOORE, RAYMOND C. and FREDERICK B. PLUMMER

1938. Upper Carboniferous crinoids from the Morrow Subseries of Arkansas, Oklahoma, and Texas. Jour. Sci. Lab. Denison Univ., **32**, pp. 209-313, 37 text figs., pls. 12-16.
1940. Crinoids from the Upper Carboniferous and Permian strata in Texas. Univ. Texas Publ., no. 3945, Cont. Geol., pt. 1, pp. 1-468, 78 text figs., pls. 1-21.

OWEN, DAVID D. and BENJAMIN F. SHUMARD

1850. Descriptions of fifteen new species of Crinoidea from the Sub-carboniferous limestone of Iowa, collected during the U.S. Geological Survey of Iowa, Wisconsin, and Minnesota, in the years 1848-9. Jour. Acad. Nat. Sci. Philadelphia, ser. 2, **2**, pp. 57-70, pl. 7.
- 1852a. Descriptions of seven new species of Crinoidea from the Sub-carboniferous limestone of Iowa and Illinois. Jour. Acad. Nat. Sci. Philadelphia, ser. 2, **2**, pp. 89-94, pl. 11.
- 1852b. Descriptions of one new genus and twenty-two new species of Crinoidea, from the Sub-carboniferous limestone of Iowa *in* Owen, Rep. Geol. Surv. Wisconsin, Iowa and Minnesota; and incidentally of a portion of Nebraska territory, Appendix, Art. II, pp. 587-598, tables 5A-5B.

PAUL, C. R. C.

1970. The aboral nervous system of *Marsupiocrinus* Morris. Fieldiana: Geol., **16**, no. 18, pp. 461-469, 9 text-figs.

ROWLEY, R. R.

1904. The Echinodermata of the Missouri Silurian and a new brachiopod. Amer. Geol., **34**, no. 5, pp. 269-282, pl. 16.

ROY, SHARAT KUMAR

1929. Contributions to paleontology. Field Mus. Nat. Hist., Geol. Ser., **4**, no. 5, pp. 199-220, pls. 32-40.

SAVAGE, T. E.

1913. Stratigraphy and paleontology of the Alexandrian Series in Illinois and Missouri. Part 1. Extract, Bull. Ill. State Geol. Surv., **23**, 124 pp., 7 pls.
1917. Stratigraphy and paleontology of the Alexandrian Series in Illinois and Missouri. Part 1. Bull. Ill. State Geol. Surv. **23**, pp. 67-160, pls. 3-9.

SCHUCHERT, CHARLES

1904. On Siluric and Devonian Cystidea and *Camarocrinus*. Smithson. Misc. Coll., **47**, pp. 201-272, pls. 34-44, 44 text figs.

SHIMER, HERVEY W. and ROBERT R. SHROCK

1944. Index Fossils of North America. Wiley and Sons, New York. 837 pp., 303 pls.

SHUMARD, B. F.

1866. A catalogue of the Palaeozoic fossils of North America. Part 1. Echinodermata. Trans. Acad. Sci. St. Louis, **2**, pp. 334-407.

SLOCOM, ARTHUR WARE

1908. New crinoids from the Chicago area. Field Columbian Mus., Geol. Ser. **2**, no. 10, pp. 273-306, pls. 82-87, 11 text figs.

SLOCUM, ARTHUR WARE and AUGUSTE F. FOERSTE

1924. New echinoderms from the Maquoketa beds of Fayette County, Iowa. Iowa Geol. Surv., **29**, pp. 315-382, pls. 29-34, text figs. 55-59.

SPRINGER, FRANK

1906. Discovery of the disk of *Onychoerinus* and further remarks on the Crinoidea Flexibilia. Jour. Geol., **14**, no. 6, pp. 467-523, pls. 4-7.
- 1911a. Some new American fossil erinoids. Harvard College Mus. Comp. Zool., Mem. 25, no. 3, pp. 115-161, pls. 1-6.
- 1911b. On a Trenton echinoderm fauna at Kirkfield, Ontario. Geol. Surv. Canada, Mem. 15-P, 47 pp., 3 text figs., 5 pls.
1917. On the Crinoid Genus *Scyphocrinus* and Its Bulbous Root *Camarocrinus*, 77 pp., 9 pls., 19 text figs. Smithson. Inst., Washington, D. C.
1920. The Crinoidea Flexibilia, in 2 vols., text: 486 pp., 51 text figs.; plates: 158 pp., 76 pls. Smithson. Inst., Washington, D. C.
1921. The fossil crinoid genus *Dolatocrinus* and its allies. Bull. U.S. Nat. Mus., **115**, 78 pp., 16 pls.
- 1926a. American Silurian Crinoids, 239 pp., 33 pls. Smithson. Inst., Washington, D. C.
- 1926b. Unusual forms of fossil crinoids. Proc. U.S. Nat. Mus., **67**, art. 9, 137 pp., 26 pls.

STRIMPLE, HARRELL L.

1939. Eight species of Pennsylvanian crinoids. Bull. Amer. Paleontol., **25**, no. 89, 16 pp. (pp. 33-48), 2 pls. (pls. 2-3).
1940. *Stellarocrinus*, new name for *Whiteocrinus* Strimple. Bull. Amer. Paleontol., **25**, no. 92A, Addenda, 3 pp. (pp. 109-112), 1 pl. (pl. 10).

SUTTON, A. H.

1934. Evolution of *Pterotocrinus* in the Eastern Interior Basin during the Chester Epoch. Jour. Paleontol., **8**, no. 4, pp. 393-416, pls. 49-50.

SUTTON, A. H. and WALLACE W. HAGAN

1939. Inadunate crinoids of the Mississippian - *Zaacrinus*. Jour. Paleontol., **13**, no. 1, pp. 82-96, 9 text figs., pl. 15.

SUTTON, A. H. and VIRGIL D. WINKLER

1940. Mississippian Inadunata - *Eupachyercinus* and related forms. Jour. Paleontol., **14**, no. 6, pp. 544-567, pls. 66-68.

THOMAS, A. O.

1924. Echinoderms of the Iowa Devonian. Iowa Geol. Surv., **29**, pp. 385-550, pls. 35-54, text figs. 62-80.

TRAUTSCHOLD, HERMANN A., VON

1867. Einige Crinoideen und andere hierreste des jüngeren Bergkalks im Gouvernement Moskau. Moskovskoe obshchestvo ispytatelei prirody. Bull. Soc. Imperiale Natur. Moscow, **15**, pt. 2, pp. 1-49, pls. 1-5.
1879. Die Kalkbrüche von Mjatschkowa. Eine Monographie des oberen Bergkalks. Moskovskoe obshchestvo ispytatelei prirody. Nouveaux Memoires **14**, pp. 1-82 and plates. [Only p. 27 which deals with *Stemmatocrinus cernuus* was seen. The complete volume 14 was published 1879-1883.]

E. O. ULRICH

1879. Descriptions of new genera and species of fossils from the Lower Silurian about Cincinnati. Jour. Cincinnati Soc. Nat. Hist., **2**, no. 1, pp. 8-30, pl. 7.

1886. Remarks upon the names *Cheirocrinus* and *Calceocrinus*, with descriptions of three new generic terms and one new species. Geol. Nat. Hist. Surv. Minn., 14th Ann. Rep. for 1885, pp. 104-113.

VAN SANT, JAN F.

1965. *Actinocrinites grandissimus*, a new name for a camerate crinoid from Borden (Lower-Middle Mississippian) rocks of Indiana. Jour. Paleontol., 39, no. 2, pp. 290-292, 2 text figs.

VAN SANT, JAN F. and N. GARY LANE

1964. Crawfordsville (Indiana) crinoid studies. U. Kansas Paleontol. Cont., Echinodermata, Art. 7, pp. 1-136, text figs. 1-41, pls. 1-8.

WACHSMUTH, CHARLES and FRANK SPRINGER

1880. Revision of the Palaeocrinoidea. Proc. Acad. Nat. Sci. Philadelphia. 1879, pp. 226-378, pls. 15-17.
1881. Revision of the Palaeocrinoidea, Part 2. Proc. Acad. Nat. Sci. Philadelphia. 1881, pp. 177-414, pls. 17-19.
1885. Revision of the Palaeocrinoidea, Part 3. Discussion of the classification and relations of the brachiata crinoids, and conclusion of the generic descriptions. Proc. Acad. Nat. Sci. Philadelphia. 1885, pp. 225-364, pls. 4-9.
1886. Revision of the Palaeocrinoidea. Part 3, Section 2. Proc. Acad. Nat. Sci. Philadelphia. 1886, pp. 64-226.
1889. Discovery of the ventral structure of *Taxocrinus* and *Haplocrinus*, and consequent modification in the classification of the Crinoidea. Proc. Acad. Nat. Sci. Philadelphia. 1888, pp. 337-363, pl. 18.
1890. Part 2. Palaeontology of Illinois. Section 2. New species of crinoids and blastoids from the Kinderhook Group of the Lower Carboniferous rocks at LeGrand, Iowa; and a new genus from the Niagara Group of Western Tennessee. Geol. Surv. Ill., 8, Geology and Palaeontology, in 2 vols., pp. 155-208, pls. 14-17.
1892. Description of two new genera and eight species of camerate crinoids from the Niagara Group. Amer. Geol., 10, no. 3, pp. 135-144.
1897. The North American Crinoidea Camerata. Harvard College Mus. Comp. Zool., Mem., 20, 359 pp.; 21, pp. 360-837; plates to accompany Memoirs 20 and 21, 83 pls.

WARD, H. A.

1866. Catalogue of casts of fossils, from the principal museums of Europe and America, with short descriptions and illustrations. Benton and Andrews, New York. 228 pp., numerous figures.

WELLER, STUART

- 1897a. On the presence of problematic fossil medusae in the Niagara Limestone of northern Illinois. Jour. Geol., 5, no. 7, pp. 744-751, 1 pl.
- 1897b. *Cryptodiscus*, Hall. Jour. Geol., 5, no. 8, pp. 803-808, 2 pls.
1898. A bibliographic index of North American Carboniferous invertebrates. Bull. U. S. Geol. Surv., 153, 653 pp.
1900. The paleontology of the Niagaran Limestone in the Chicago area. The Crinoidea. Nat. Hist. Surv., Bull. Chicago Acad. Sci., 4, pt. 1, 153 pp., 15 pls., 57 text figs.
1902. *Crotalocrinus cora* (Hall). Jour. Geol., 10, no. 5, pp. 532-534, 1 pl.
1903. The Paleozoic faunas. Geol. Surv. New Jersey, Rept. Paleontol., 3, 462 pp., 53 pls.
1906. Kinderhook faunal studies. IV. The fauna of the Glen Park Limestone. Trans. Acad. Sci. St. Louis, 16, pp. 435-471, pls. 6-7.

- 1909a. Kinderhook faunal studies. V. The fauna of the Fern Glen Formation. Bull. Geol. Soc. Amer., **20**, pp. 265-332, pls. 10-15.
- 1909b. Description of a Permian crinoid fauna from Texas. Jour. Geol., **17**, no. 7, pp. 623-635, pl. 1.
1916. *Atactocrinus*, a new crinoid genus from the Richmond of Illinois. Walker Mus. Cont., **1**, no. 10, pp. 239-241, pl. 15.
1920. The geology of Hardin County and the adjoining part of Pope County. Bull. Ill. State Geol. Surv., **41**, 416 pp., 11 pls., 30 text figs.
1926. Fossil collecting in the Mississippian formations of the Mississippi Valley. Nat. Hist., **26**, no. 5, pp. 487-495, numerous text figs.

WELLER, STUART and R. A. DAVIDSON

1896. *Petalocrinus mirabilis* (n.sp.) and a new American fauna. Jour. Geol., **4**, no. 2, pp. 166-173, 2 text figs., pls. 6-7.

WETHERBY, A. G.

1879. Descriptions of new species of crinoids, from the Kaskaskia Group of the Subcarboniferous. Jour. Cincinnati Soc. Nat. Hist., **2**, no. 3, pp. 134-140, pl. 11.
- 1880a. Remarks on the Trenton Limestone of Kentucky, with descriptions of new fossils from that formation and the Kaskaskia (Chester) Group, Subcarboniferous. Jour. Cincinnati Soc. Nat. Hist., **3**, no. 2, pp. 144-160, pls. 4-5.
- 1880b. Description of new crinoids from the Cincinnati Group of the Lower Silurian and the Subcarboniferous of Kentucky. Jour. Cincinnati Soc. Nat. Hist., **2**, no. 4, pp. 245-253, pl. 16.
- 1881a. Descriptions of crinoids from the Upper Subcarboniferous of Pulaski County, Kentucky. Jour. Cincinnati Soc. Nat. Hist., **3**, no. 4, pp. 324-330, pl. 9.
- 1881b. Descriptions of new fossils from the Lower Silurian and Subcarboniferous rocks of Kentucky. Jour. Cincinnati Soc. Nat. Hist., **4**, no. 2, pp. 177-179, pl. 5.

WHITE, CHARLES ABIATHAR

1878. Descriptions of new species of invertebrate fossils from the Carboniferous and Upper Silurian rocks of Illinois and Indiana. Proc. Acad. Nat. Sci. Philadelphia. 1878, pp. 29-37.
1880. Paleontology. Fossils of the Indiana rocks. 2nd Ann. Rept., Dept. Stat. Geol. for 1880, pp. 471-522, pls. 1-11.
1881. Paleontology. Fossils of Indiana rocks. Ind. Geol. Rept. 1879-1880. From the 2nd Ann. Rept., Bur. Stat. Geol., 164 pp., 11 pls.
1883. Contributions to invertebrate paleontology no. 8: Fossils from the Carboniferous rocks of the interior states. 12th Ann. Rept., U. S. Geol. Geog. Surv. Terr.: a report of progress of the exploration in Wyoming and Idaho for 1878, pt. 1, pp. 155-171, pls. 39-42.

WHITFIELD, R. P.

1893. Republication of descriptions of Lower Carboniferous Crinoidea from the Hall Collection now in the American Museum of Natural History, with illustrations of the original type specimens not heretofore figured. Amer. Mus. Nat. Hist., Mem. **1**, pt. 1, pp. 1-37, pls. 1-3, numerous text figs.

WILSON, HERRICK E.

1916. Evolution of the basal plates in monocyclic Crinoidea Camerata. Part 1. Jour. Geol., **24**, pp. 488-510, 3 pls., 5 text figs.



Publication 1155