Otis Historical Archives

OHA 79
Photomicrograph Collection

Date of Records: 1860s-1870s

Size: 4 cubic feet, 3 boxes


Access and Use: The Otis Historical Archives is committed to providing open access to its collections as far as possible within the limits of privacy and confidentiality. Access to this collection is at the discretion of the Otis Historical Archives and material contained within the records may be subject to review before access is granted.

Series/Scope and Content Note: This collection contains nineteenth-century pathological photomicrographs made at or donated to the Museum. Many are bound in volumes. Many were taken by Joseph J. Woodward (head of the Museum’s Medical and Microscopic Sections, see Woodward Collection), or were completed under his supervision. Woodward, with the assistance of Assistant Surgeon Dr. Edward Curtis, did pioneer work in the photographing of objects visible only under the microscope, using an apparatus largely of their own devising. The early work in photomicrography was described in a report to the Surgeon General, which can be found in Box 001, Folder 00001. Some of the images were also displayed at the Philadelphia Exposition of 1876 and used in the Medical and Surgical History of the War of Rebellion. Images include insects, algae, fungi, and pathological conditions studied in animals.

BOX AND CONTENT LIST

Box 001:

00001: Report to the Surgeon General on an Improved Method of Photographing Histotological Preparations by Sunlight, by J.J. Woodward

00002: Arachnoidiscus Ehrenbergii—Includes Negative No. 882

00003: Amphipleura Pellucida—Negative Nos. 582 and 1051
0004: Groups of Nobert’s Lines—Negative Nos. 163, 167, 170 and 171

0005: Mosquito and Gnat Scales—Negative Nos. 766 and 771

0006: A Large Oxalate of Lime Urinary Calculus—Photographs Nos. 183 and 184

0007: Red Blood Corpuscle of Frog—Negative No. 248

0008: Insects

   Negative No. 403: Head of Tapeworm
   Negative No. 505: Soldier Beetle
   Negative No. 575: Hog Louse
   Negative No. 501: Tail of Mosquito
   Negative No. 573: Head of Beetle
   Negative No. 579: Crab Louse
   Negative No. 570: Buccal Organs of Spider
   Negative No. 585: Burrowing Beetle
   Negative No. 452: Head Louse
   Negative No. 573: Clawed Water Beetle
   Negative No. 529: Acarus of Bat
   Negative No. 500: Abdominal Segment of Mosquito
   Negative No. 365: Small Artery and Capillaries from Leg of Frog
   Negative No. 506: Head of Soldier Beetle
   Negative No. 504: Anterior Part of Burrowing Beetle
   Negative No. 522: Parasite of Fly
   Negative No. 571: Belted Wasp Fly
   Negative No. 504: Sailor Beetle
   Negative No. 574: Saw Fly
   Negative No. 526: Young Spider
00009: Duplicates of Items in Boxes 002-003

Negative No. 1077: Pseudo-Polypus of the Colon, D
Negative No. 1082: Pseudo-Polypus of the Colon, E
Negative No. 1078: Pseudo-Polypus of the Colon, G
Negative No. 1081: Pseudo-Polypus of the Colon, I
Negative No. 645: Frustalia Saxonica
Negative No. 423: Grammatophora Marina
Negative No. 842: Test Podura Scale
Negative No. 814: Benus Lake Rhomboides
Negative No. 179: Portion of Pleurosigma Angulatum
Negative No. 681: Perpendicular Section of Colon

Box 002:

00001: Actinoplychus Heliopelta—Negative Nos. 397 and 878
00002: Grammatophora Marina—Negative No. 723
00003: Triceratium Fibriatum—Negative Nos. 389 and 453
00004: Coscinodiscus from Nottingham Earth—Negative Nos. 274 and 480
00005: Portion of Pleurosigma Fromosum—Negative No. 306
00006: Test Podura Scale—Negative Nos. 346 and 842
00007: Navicula Lyra—Negative No. 721
00008: Novicula Rhomboides, Showing Heads—Negative Nos. 489 and 795
00009: Benus Lake Rhomboides—Negative No. 814
00010: Portion of Pleurosigma Angulatum—Negative Nos. 179 and 953
00011: Triceratium Favus—Negative No. 324
00012: Frustulia Saxonica—Negative Nos. 459, 460, 580, 645, and 762
Box 003:

00001: Invasion of Muscle by Cancer—transverse section (No. 5862 Mic. Sec., Negative No. 668)

00002: Air Vesicle Filled with new Elements From a Cow Dead of Pleuro-pneumonia—Negative No. 352

00003: Section of Nearly Healthy Lung From a Cow Dead of Pleuro-pneumonia—Negative No. 350

00004: Section of Pericardium From a Cow Dead of Pleuro-pneumonia—Negative No. 354

00005: Section of Enlarged Lymphatic Gland From a Cow Dead of Pleuro-pneumonia—Negative No. 358

00006: Section Through Tubercular Nodule From a Cow Dead of Pleuro-pneumonia—Negative No. 356

00007: Section of Inflamed Adipose Tissue From a Cow Dead of Pleuro-pneumonia—Negative No. 353

00008: Bacterium From Bile of Ox Affected with Splenic or Texas Fever—AFIP Negative No. 103037

00009: Mycelium with Sporangial Dilatations Developed From Blood of Ox—AFIP Negative No. 103032

00010: Pseudo-Polypus of the Colon—D and E—Negative Nos. 1077 and 1082

00011: Pseudo-Polypus of the Colon—G and I—Negative Nos. 1078 and 1081

00012: Perpendicular Section of Colon—Negative No. 681

00013: Fibromyoma—with 20 Related Images

00014: Hyaline Degeneration of Arter—with 12 Related Images

00015: Section Through Tubercular Nodule on Pleura of a Cow—Negative Nos. 355 and 357

00016: Photomicrographic Negatives