COOPER HEWITT

2 E 91ST STREET NEW YORK NY 10128

COOPERHEWITT.ORG

MEDIA ONLY

LAURIE BOHLK **COOPER HEWITT** 212.849.8420 BOHLKL@SI.EDU

JENNIFER NORTHROP **COOPER HEWITT** 212.849.2954 NORTHROPJ@SI.EDU

JULIA ESPOSITO POLSKIN ARTS 212.715.1643 ESPOSITOJ@FINNPARTNERS.COM

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ARCHITECTURE IMAGES

- 1 Cooper Hewitt, Smithsonian Design Museum, Mansion Exterior. Photo by Matt Flynn © 2012 Cooper Hewitt, Smithsonian Design Museum.
- 2 Cooper Hewitt, Smithsonian Design Museum, Great Hall. Photo by James Rudnick © 2012 Cooper Hewitt, Smithsonian Design Museum.
- 3 Cooper Hewitt, Smithsonian Design Museum, Music Room. Photo by James Rudnick © 2014 Cooper Hewitt, Smithsonian Design Museum.
- 4 Cooper Hewitt, Smithsonian Design Museum, Dining Room. Photo by James Rudnick © 2014 Cooper Hewitt, Smithsonian Design Museum.
- 5 Cooper Hewitt, Smithsonian Design Museum, Teak Room. Photo by James Rudnick © 2014 Cooper Hewitt, Smithsonian Design Museum.
- 6 Cooper Hewitt, Smithsonian Design Museum, Barbara and Morton Mandel Design Gallery on the renovated third floor. Photo by James Rudnick © 2014 Cooper Hewitt, Smithsonian Design Museum.

INTERACTIVE PEN IMAGES

- 1 Cooper Hewitt, Smithsonian Design Museum, rendering of the new Process Lab. Designed by Diller Scofidio + Renfro © 2014 Cooper Hewitt, Smithsonian Design Museum.
- 2 Cooper Hewitt, Smithsonian Design Museum, rendering of the Pen. Rendering © 2014 Cooper Hewitt, Smithsonian Design Museum.
- 3 Cooper Hewitt, Smithsonian Design Museum, the Pen in use. Photo © 2014 Cooper Hewitt, Smithsonian Design Museum.

IMMERSION ROOM

- 1 Rendering of the Immersion Room; designed by Local Projects. o Cooper Hewitt, Smithsonian Design Museum.
- 2 Sidewall, probably England, 1770–80; Block-printed on joined sheets of handmade paper; $152 \times 50.5 \, \mathrm{cm}$ (59 13/16 x 19 7/8 in.); Gift of Mrs. Luke Vincent Lockwood, 1935-6-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.
- 3 Sidewall, England, 1840–60; Machine-printed on paper; $75.5 \times 56 \text{ cm}$ (29 3/4 x 22 1/16 in.); Museum purchase through gift of George Arnold Hearn, 1943-25-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.
- 4 Sidewall, Wallpaper with Stylized Trees, ca. 1925; Rene Crevel for Nancy McClelland,



Inc. (Paris, France); Produced by C. H. H. Geffroy; Block-printed on paper; $71 \times 51 \text{ cm}$ (27 $15/16 \times 20 \text{ 1/16}$ in.); Gift of Nancy McClelland, 1945-3-6; Cooper Hewitt, Smithsonian Design Museum; Photo by Ken Pelka © Smithsonian Institution.

BEAUTIFUL USERS

1 The Measure of Man posters (detail), 1969; Designed by Henry Dreyfuss (American, 1904–72) and Alvin R. Tilley (American, 1914–93), Henry Dreyfuss Associates (USA); Published by Whitney Library of Design (USA); Offset lithograph; Gift of Henry Dreyfuss; Henry Dreyfuss Archive; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

2 GRiD compass laptop computer prototype, 1981; Designed by Bill Moggridge (English, 1943–2012); Manufactured by GRiD Systems Corporation (USA); Die cast magnesium, injection molded plastic; $25.4 \times 29.2 \times 37.9 \text{ cm} (10 \times 11 \text{ } 1/2 \times 14 \text{ } 15/16 \text{ in.})$; Gift of Bill Moggridge, 2010-22-1; Cooper Hewitt, Smithsonian Design Museum; Photo: Matt Flynn © Smithsonian Institution.

3 Transparent Tool: Improvised Vacuum with Tube and Brush, 2012; Designed and produced by Jesse Howard (American, b. 1978); Plastic, wood, 3-D printed components, electrical components; $55 \times 30 \times 30$ cm (21 $5/8 \times 11$ $13/16 \times 11$ 13/16 in.), plus 1m metal tube, 1.5m flexible tube; Courtesy of the designer.

4 Leveraged Freedom Chair, 2012; User: Panna Lal Sahu; Invented by Amos Winter, Mario Bollini, Tish Scolnik, Benjamin Judge, Harrison O'Hanley, Daniel Frey at Massachusetts Institute of Technology (Cambridge, Massachusetts, USA); Designed by Amos Winter, Mario Bollini, Benjamin Judge, Harrison O'Hanley at GRIT (USA); Manufactured for GRIT (USA) by Pinnacle Industries (India); Mild steel, bicycle components; $101.6 \times 127 \times 66 \times 1000$ cm ($40 \times 50 \times 26$ in.); Courtesy of GRIT.

MAIRA KALMAN SELECTS

1 Pair of slippers, United States, 1830; Leather sole and upper, linen lining, silk bows; $5.7 \times 6 \times 22.9$ cm (2 1/4 x 2 3/8 x 9 in.); Gift of Mrs. Robert P. Brown, 1960-81-18-a,b; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

2 Bulb lamp, Munich, Germany, 1966; Designed by Ingo Maurer (German, b. 1932); Manufactured by Ingo Maurer GmbH (Munich, Germany); Glass, chrome plated metal, incandescent bulb; $29.2 \times 20.3 \text{ cm}$ diam. ($11 \, 1/2 \times 8 \text{ in.}$); Gift of Ingo Maurer, 2008-16-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Ellen McDermott © Smithsonian Institution.

3 Abraham Lincoln's watch, England, ca. 1858; Gold, glass, metal; Watch: $5.08 \times 7.62 \times 1.27$ cm ($2 \times 3 \times 1/2$ in.), watch chain: 33.02 cm (13 in.); Gift of Lincoln Isham, greatgrandson of Abraham Lincoln, 219098.1; Courtesy of National Museum of American



History, Smithsonian Institution; © National Museum of American History, Smithsonian Institution.

4 Painting, Zig-Zag Chair, 2014; Maira Kalman (American, b. 1949); From Maira Kalman, Ah-Ha to Zig-Zag: 31 Objects from Cooper Hewitt, Smithsonian Design Museum (New York: Cooper Hewitt, Smithsonian Design Museum, 2014); Gouache on paper; $38.1 \times 25.4 \text{ cm} (15 \times 10 \text{ in.})$; Scanned by GHP. © 2014 Maira Kalman.

MAKING DESIGN

1 Tall Green Bloom urn, England, 2012; Designed by Michael Eden (English, b. 1955); 3-D printed Nylon; 41 x 18 cm (16 1/8 x 7 1/16 in.); Museum purchase through gift of Elizabeth and Lee Ainslie and from General Acquisitions Endowment Fund, 2013-53-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Ellen McDermott © Smithsonian Institution.

2 Rolodex open rotary card file, USA, 1950; Manufactured by Rolodex Corporation; Bent tubular metal, molded plastic, molded rubber, paper; $18 \times 18 \times 16.5$ cm (7 1/16 x 7 1/16 x 6 1/2 in.); Gift of Rolodex Corporation, 1996-14-2; Cooper Hewitt, Smithsonian Design Museum; Photo by Richard Goodbody © Smithsonian Institution.

3 Stencil, Katagami, Water Pattern, Japan, late 19th–early 20th century; Cut mulberry paper treated with persimmon tannin and silk thread; $19 \times 34.2 \, \text{cm} \, (71/2 \times 137/16 \, \text{in.})$; Gift of Helen Snyder, 1976-103-111; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

4 Poster, Dylan, 1966; Milton Glaser (American, b. 1929); Lithograph on paper; 84×55.9 cm ($33\,1/16 \times 22$ in.); Gift of Richard Kusack, 2007-24-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

MODELS & PROTOTYPES

1 Staircase model, France, late 18th century; Joined, bent and carved pear, wrought brass wire; $75 \times 67.3 \times 67$ cm (29 1/2 x 26 1/2 x 26 3/8 in.); Gift of Eugene V. and Clare E. Thaw, 2007-45-11; Cooper Hewitt, Smithsonian Design Museum; Photo by James Hart © Smithsonian Institution.

2 Pulpit model, France, mid-19th century; Carved, joined and veneered walnut, pear, oak; $70 \times 40.6 \times 33$ cm (27 9/16 x 16 x 13 in.); Gift of Eugene V. and Clare E. Thaw, 2007-45-13; Cooper Hewitt, Smithsonian Design Museum; Photo by Ali Elai © Smithsonian Institution.

3 Staircase model, Paris, France, late 19th century; Carved, bent, joined and veneered cherry and walnut; $31 \times 13 \times 17.2$ cm ($123/16 \times 51/8 \times 63/4$ in.); Gift of Eugene V. and Clare E. Thaw, 2007-45-8; Cooper Hewitt, Smithsonian Design Museum; Photo by James Hart © Smithsonian Institution.

4 Drawing, Perspective and Plan View of a Sprial Staircase that turns Left, 1883; Adolph



Bordeaux (French, active 1880-1890); Graphite and brush and watercolor, pen and black ink on cream laid paper; 56.5×46 cm ($22\,1/4 \times 18\,1/8$ in.); Gift of Eugene V. and Clare E. Thaw, 2007-53-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

PASSION FOR THE EXOTIC: LOCKWOOD DE FOREST, FREDERIC CHURCH

1 Oil sketch, Birbal's Palace, Fattipur Sikri (Fatehpur Sikri), India, 1881; Lockwood de Forest (American, 1850-1932); Brush and oil paint on thin paperboard; $26.2 \times 31.7 \times (105/16 \times 121/2 \text{ in.})$; Gifted by a Private Santa Barbara Collector, courtesy of Sullivan Goss - An American Art Gallery, 2013-38-2; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

2 Oil sketch, Jerusalem from the Mount of Olives, 1868; Frederic Church (American, 1826-1900); Brush and oil paint, graphite on cardboard; 30 x 47 cm (11 13/16 x 18 1/2 in.); Gift of Louis P. Church, 1917-4-341; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

3 Cake saw, Albany, New York, USA, 1870s; Manufactured by Sperry Douglas Brower and Son, formerly Sperry and Henson; Cut, engraved, and stamped silver; $27.6 \times 4.1 \times 0.2$ cm ($107/8 \times 15/8 \times 1/16$ in.); Museum purchase from General Acquisitions Endowment Fund, 2011-7-1; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.

HEWITT SISTERS COLLECT

1 Drinking cup (skyphos), Italy, 5th century BC; Slip painted red figured terracotta; $14 \times 16.8 \times 25.1$ cm (5 $1/2 \times 65/8 \times 97/8$ in.); Gift of Charles W. Gould, 1915-11-31; Cooper Hewitt, Smithsonian Design Museum; Photo by Eric Baum © Smithsonian Institution.

2 Birdcage, China, 1735–96; Lacquered wood with inlaid bone and ivory, ebony, carved wood, ivory, jade, amber, cloisonné enamel, glazed porcelain; (cage): $56.5 \times 33 \text{ cm}$ diam. (22 $1/4 \times 13 \text{ in.}$), (base): $6.5 \times 33 \text{ cm}$ diam. (29/ $16 \times 13 \text{ in.}$); Gift of Thomas F. Ryan, 1916-26-1-a/jj; Cooper Hewitt, Smithsonian Design Museum; Photo by Ken Pelka © Smithsonian Institution.

3 Sidewall, La Chasse au Faucon (Falcon Hunt), 1794–97; Jacquemart & Benard (Paris, France); Block-printed on handmade paper; $104 \times 54.5 \text{ cm}$ ($40 \cdot 15/16 \times 21 \cdot 7/16 \text{ in.}$); Cooper Hewitt, Smithsonian Design Museum; Gift of Eleanor and Sarah Hewitt, 1931-45-28; Photo by Matt Flynn © Smithsonian Institution.

4 Fan, France, 1760–80; Gouache on parchment, paper backing (mount), and painted ivory (sticks); 27×46 cm ($105/8 \times 181/8$ in.); Bequest of Sarah Cooper Hewitt, 1931-6-114; Cooper Hewitt, Smithsonian Design Museum; Photo by Matt Flynn © Smithsonian Institution.



TOOLS: EXTENDING OUR REACH

1 Child's tool chest, 1900–24; R. Bliss Manufacturing Company (Pawtucket, Rhode Island, USA); Wood, metal, paint, paper, ink; $33 \times 43.2 \times 22.9$ cm ($13 \times 17 \times 9$ in.); Smithsonian Institution, National Museum of American History, Washington, DC, Cat. 1977.1101.0167; Photo by Eric Long © Smithsonian Institution.

2 RoboBee, August 2012; Designed by Kevin Y. Ma (American, b. 1988) and Robert J. Wood (American, b. 1977); Core team: Kevin Y. Ma, Pakpong Chirarattananon, Sawyer B. Fuller, Robert J. Wood, Harvard School of Engineering and Applied Sciences (Cambridge, Massachusetts, USA); Carbon fiber composite, piezoelectric ceramic, Garolite glass fiber composite, alumina ceramic, polyimide film, polyester film, acrylic film adhesive, cyanoacrylate adhesive, epoxy adhesive; 80 mg (about the weight of a honeybee), 2×3 cm wingspan ($1 \cdot 1/8 \times 3/4$ in.); Courtesy of Harvard School of Engineering and Applied Sciences and Wyss Institute for Biologically Inspired Engineering; Photo: Harvard School of Engineering and Applied Sciences and Wyss Institute for Biologically Inspired Engineering.

3 Solar Wall, 2010; Dr. Mark Weber (American, b. 1969) and Dr. Henry "Trae" Winter III (American, b. 1972); Video display of sun's surface from the Atmospheric Imaging Assembly aboard NASA's Solar Dynamics Observatory (SDO); Satellite launch date: February 11, 2010; Courtesy of Harvard-Smithsonian Center for Astrophysics (CfA); Photo by Harvard-Smithsonian Center for Astrophysics (CfA). © Clive Grainger, 2012.

4 Patent model for a clothespin, Patent no. 141,740, USA, August 12, 1873; Made by Vincent D. Urso (American, b. Italy, ca. 1850) and Benjamin Charles (American); Wood, metal; $7.9 \times 1.9 \times 1.3 \text{ cm}$ (3 $1/8 \times 3/4 \times 1/2 \text{ in.}$); Smithsonian Institution, National Museum of American History, Washington, DC, Cat. T11393.025; Photo by Jaclyn Nash © Smithsonian Institution.

DESIGNING THE NEW COOPER HEWITT

- 1 Rendering of the Arthur Ross Terrace and Garden, Cooper Hewitt, Smithsonian Design Museum. © HOOD Design.
- 2 Rendering of the *Tools: Extending Our Reach* exhibition, Cooper Hewitt, Smithsonian Design Museum. © Thinc.
- 3 Cooper Hewitt Wordmark, Cooper Hewitt, Smithsonian Design Museum. © Pentagram.