



Research Collection Catalogue

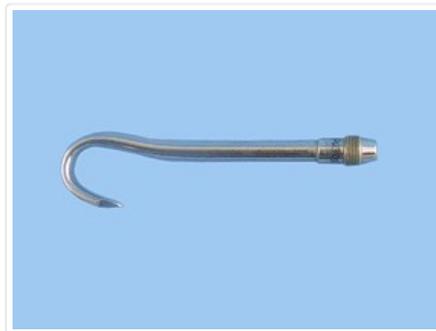


ether hook

<https://mhc.andornot.com/en/permalink/artifact4883>

Accession Number:	997003030
Collection:	McPherson Collection
Category:	Diagnostic & Treatment Artifacts
Classification:	Anaesthesia
MeSH Heading:	Anesthesiology, instrumentation MM= Anesthesia, Inhalation -- accessories -- tube
Description:	Ether hook, which consists of a cylindrical hollow metal tube with a round, open end and a tip that has been bent into a semicircle; the bent tip is flattened, but still open and ends with a rounded, flat tab; the other end is round and open; there is threading at the top outside edges to allow a rubber tube to be attached and held on.
Number Of Parts:	1
Provenance:	Owned and used by Dr. Malcolm E. McPherson, a graduate of Queen's School of Medicine in 1929; Dr. McPherson practised in Hawthorne, NS; he was a G.P. but specialized in gynecology.
Dates:	1931 circa 1931
Date Remarks:	McPherson practised 1931–1957
Material:	metal: silver
Inscriptions:	None
Permanent Location:	Storage Room 0010 0010-F2-2
Dimension Notes:	Length 11.1 cm x Width 2.7 cm x Depth 1.0 cm
Condition Remarks:	The ether hook shows only minor wear and no corrosion.
Copy Type:	Original
Reference Types:	Book Person JPG
Reference Comments:	"Surgical Instruments Suction and Pressure Apparatus," J. Sklar Mfg. Co., Inc., 1967, p. 34 (item #120-10) (see attached photocopy); Ms. Lyall McPherson (daughter); CD #3
Exhibit History:	Loaned to the Agnes Etherington Art Centre for the Museopathy exhibit, May 24-Sept. 13, 2001

Images



Boyle anaesthesia apparatus

<https://mhc.andornot.com/en/permalink/artifact1873>



Accession Number: 997008001 a-d
Collection: [Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection](#)
Category: [Diagnostic & Treatment Artifacts](#)
Classification: [Anaesthesia](#)
MeSH Heading: [Anesthesiology, instrumentation](#)
[MM= Anesthesia, Inhalation -- machine](#)

Description: (a) Boyle apparatus anaesthetic machine which consists of a frame of four cylindrical legs with wheels at the bottom; there is a horizontal steel shelf at the top of the four legs which has two vertical bars at the back with a horizontal rack on top of them; the right side of the shelf has two nitrous oxide tank clamps with pressure gauges and a rubber hose and bulb for a blood pressure cuff; the left side of the shelf has two oxygen tank clamps with pressure gauges, and an absorber attachment; below the shelf is a pull-out steel writing shelf; near the bottom of the legs are two cylindrical, horizontal metal attachments which support (b) a heavy glass shelf and two metal attachments at the side which hold (c) a metal drawer with a handle at the front and a divider in the middle, made to hold accessories ; (d) the front of the metal shelf has a removable steel attachment for a rebreathing bag.

Number Of Parts: 4

Part Names: a - anaesthetic machine - Size: Length 127.4 cm. x Width 75.5 cm. x Depth 58.7 cm.
b - glass tray - Size: Length 44.0 cm. x Width 44.0 cm. x Depth 0.6 cm.
c - drawer - Size: Length 39.3 cm. x Width 45.8 cm. x Depth 14.2 cm.
d - attachment for rebreathing bag - Size: Length 39.3 cm. x Width 6.4 cm. x Depth 2.6 cm.

Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.

Maker: Canadian Oxygen Limited

Dates: 1955
circa 1955

Date Remarks: Machine dates from the late 1950's to early 1960's

Material: plastic: black
glass: clear
rubber: dark green; black
metal: silver

Inscriptions: There are two labels at the back of the top steel shelf which read, "CANADIAN OXYGEN LIMITED // BOYLE // APPARATUS // SERIAL NUMBER K032 // BOC" and "HOTEL DIEU HOSPITAL // ASSET NO. 04048"; under the steel shelf is another label which reads, "CANOX // CANADIAN OXYGEN LIMITED // BOC"

Permanent Location: Storage Room W1
W1-6-1

Condition Remarks: Machine arrived very dirty and dusty; many of the attachments such as gas cylinders, regulators, hoses and tubing are no longer with the machine; most of the metal parts are uncorroded, with the exception of a small spot on the top vertical bar at the right side; the glass shelf has minor chips at the right side edge; #2 no new damage

Copy Type: Original

Reference Types: Person
Book

Reference Comments: Dr. Ray Matthews; "Anaesthetic Equipment -- Physical Principles and Maintenance" by C. S. Ward, 1975, p. 73; Boyle manuals

Exhibit History: On exhibit in Museum gallery, Anaesthesia exhibit, Oct. 2 1997-Oct. 24, 2001

Images



anaesthesia machine

<https://mhc.andornot.com/en/permalink/artifact1874>

Accession Number:	997008002
Collection:	Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection
Category:	Diagnostic & Treatment Artifacts
Classification:	Anaesthesia
MeSH Heading:	Anesthesiology, instrumentation MM= Anesthesia, Inhalation -- machine
Description:	McKesson deep breath demand flow anaesthesia machine with absorber Model 620; the absorber is a cylindrical container with an on/off dial and hours used indicator on top; the side of the machine has an oxygen hook-up on the right and a cyclopropane hook-up on the left; other parts include a dial at the back with a red pointer which controlled the % oxygen; to the right is a direct oxygen button; a regulated pressure dial can be seen opposite the % oxygen dial; the regulated pressure is in mm of pressure; there are two oxygen operating range dials either side of the pressure regulator; there are two rubber hoses at the sides of the machine which hooked up to oxygen; each side of the machine has a round bellow, the machine is attached to a cylindrical metal pole on a four-wheel stand.
Number Of Parts:	1
Provenance:	Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.
Maker:	McKesson Appliance Co.
Site Made (City):	Toledo
Site Made (State):	Ohio
Site Made (Country):	United States of America
Dates:	1945 circa 1945
Date Remarks:	Machine dates from circa mid-to-late 1940's
Material:	plastic: black glass: clear rubber: cream metal: silver; grey; green

Inscriptions: The top of the absorber reads, "McKESSON APPLIANCE CO. // TOLEDO // OHIO // U.S.A. // HOURS USED // ABSORBER // MODEL 620 // SER. NO. 4723"; the percent oxygen dial is marked 0 to 45 in intervals of 5; the dial beside it reads, "McKesson Nargraf // PAT. NOS. RE-17512-1,632,449-1,687,255 OTHER PATS PEND. // REG. U.S. PAT OFF. // McKESSON APPLIANCE CO., TOLEDO, OHIO, U.S.A. // OXYGEN PERCENT // 100 75 50 25 0 // MODEL L // USE SMALL DIAL"; the direct oxygen button is labelled, "DIRECT // OXYGEN // PRESS // BUTTON"; the regulated pressure dial is labelled "PRESSURE // mm // 0 5 10 20 30 40 OFF"; the two operating range dials both read, "OPERATING // RANGE // LOW // HIGH // McKESSON APPLIANCE CO. // TOLEDO, OHIO, U.S.A. // U.S. // GAUGE // CO. // N.Y. // MADE IN U.S.A. // AD-7739"

Permanent Location: Storage Room 0009
0009-1B-2

Dimension Notes: Length: 81.0 cm. x Width: 51.0 cm. x Depth: 51.0 cm.

Condition Remarks: Machine arrived very dirty and dusty; the gas cylinders and hoses are no longer with the machine and the dial to control the cyclopropane is missing; most of the metal parts are uncorroded, with the exception of a small amount at the left side; the rubber hoses are flexible and complete

Copy Type: Original

Reference Types: Person
Book

Reference Comments: Dr. Ray Matthews and John Sikora; "Ward's Anaesthetic Equipment", 3rd ed., by Andrew Davey, John T.B. Moyle and Crispian S. Ward, 1992, pp. 168-171

Research Facts: Sodalime was put into the absorber container to absorb expired carbon dioxide; the two oxygen pressure dials measured the pressure of oxygen delivered; the direct oxygen button was a flush button to fill up the circuit with oxygen or to give the patient a burst of oxygen; the bellows were used to proportion gas pressures



Kinet-O-Meter anaesthesia machine

<https://mhc.andornot.com/en/permalink/artifact1876>

Accession Number: 997008004

Collection: [Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection](#)

Category: [Diagnostic & Treatment Artifacts](#)

Classification: [Anaesthesia](#)

MeSH Heading: [Anesthesiology, instrumentation](#)
[MM= Anesthesia, Inhalation -- machine](#)

Description: Kinet-O-meter anaesthesia machine which consists of two heavy cylindrical metal poles on a metal stand with four wheels; the top of one pole has two tank hook-ups each, for oxygen, nitrous oxide and carbon dioxide, with regulator on top; the top of the other pole has a hook-up for cyclopropane which leads to a panel with four flow meters (for nitrous oxide, cyclopropane, carbon dioxide and oxygen) in cc/liters per minute; the four flow meters lead back to the tank hook-ups by tubes; behind the flow meters, there is a blood pressure cuff manometer with a rubber tube which would originally have had a rubber bulb; a metal valve in the front was to be hooked up to the patient (via a soda lime absorber) to administer a mix of the four gases; the back of the machine has a wrench attached permanently by a metal chain, for turning on cylinders of gas.

Number Of Parts: 1

Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.

Maker: Ohio Chemical & Mfg. Co.

Site Made (City): [Minneapolis](#)

Site Made (State): [Minnesota](#)

Site Made (Country): [United States of America](#)

Dates: 1945
circa 1945

Date Remarks: Machine dates from the late 1940's to the early 1950's

Material: plastic: black; clear; blue; yellow; grey; green
rubber: black
metal: silver; yellow

Inscriptions: Label on the front of the machine reads, "HI-CO // THE HEIDBRINK CO. // MINNEAPOLIS MINNESOTA // MADE IN U.S.A. // DES. PAT. NO. 102,632"; a label under this reads, "AMERICAN [---]AL // ACCEPTED // COUNCIL // OF PHYSICAL // THERAPY"; a label under this reads, "HOTEL DIEU HOSPITAL // ASSET NO. 04026"; a manufacturer's label at the back reads, "LUNDY // ROCHESTER MODEL // HEIDBRINK // KINETO-METER // REG. U.S. PAT. OFF. // HEIDBRINK DIVISION OF // OHIO CHEMICAL & MFG CO. // MINNEAPOLIS MINN. // HI-CO // PAT. NO. 1,412,866 // PAT. NO. 1,802,601 // PAT. NO. 1,989,366 // PAT. NO. 2,073,372 // PAT. NO. 1,858,084 // OTHER PATS. APPL'D FOR // MADE IN U.S.A."

Permanent Location: Storage Room W1
W1-7-2

Dimension Notes: Length: 108.0 cm. x Width: 47.8 cm. x Depth: 61.2 cm.

Condition Remarks: The machine arrived very dirty and dusty; the pressure dials for the carbon dioxide and nitrous oxide gas hook-ups are very corroded; the plastic cover is missing for the carbon dioxide dial and broken and covered with a corrosion product for the nitrous oxide dial; the rubber hose on the main pressure dial is cracked in several spots; #2 no new damage

Copy Type: Original

Reference Types: Person
Document

Reference Comments: Dr. Ray Matthews and John Sikora; see photocopy of blood pressure manometer from 1964 Ohio catalogue; see photocopy of Tycos warranty

Research Facts: The four flow meter gauges at the front regulate the flow of nitrous oxide, cyclopropane, carbon dioxide and oxygen and were very inaccurate; carbon dioxide was used to stimulate patient respiration thus allowing quicker anaesthetizing; this model allows for two cylinders each of oxygen, nitrous oxide and carbon dioxide; this was an improvement over earlier models, as cylinders sometimes ran out of gas during operations; it was difficult to determine when the oxygen cylinder was empty and nitrous oxide pressure falls very quickly; with this model, if a tank ran dry, the patient could immediately be changed over to a full tank; another improvement was that the tanks were bigger than those in earlier models; the principle of this machine is the same as other machines in the same era; the regulators are single-stage regulators.

Exhibit History: On exhibit in Museum gallery, anaesthesia exhibit - Oct. 2 1997-Oct. 24, 2001

Images



Walton Apparatus anaesthesia machine

<https://mhc.andornot.com/en/permalink/artifact1880>

Accession Number: 997008008 a-b
Collection: Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection
Category: Diagnostic & Treatment Artifacts
Classification: Anaesthesia
MeSH Heading: Anesthesiology, instrumentation
MM= Anesthesia, Inhalation -- machine



Description: (a) The Walton Apparatus demand flow anaesthetic machine, which consists of a long rectangular shaped body set onto a stand with four wheels; the bottom of the back of the body has two hose connectors which would have brought oxygen and nitrous oxide gases into the machine; the right side of the machine has two hook-ups for nitrous oxide gas (running and reserve); the left side of the machine has two hook-ups for oxygen and a gauge which reads the amount of gas in the cylinder; the top front has a dial which controls % oxygen; the top of the machine has a knob which controls the pressure (in mm) of mercury and an emergency oxygen button; (b) wrench attached to the machine by a brass chain; the wrench was used to adjust tank hook-ups.

Number Of Parts: 2

Part Names: a - anaesthetic machine - Size: Length 114.6 cm. x Width 46.5 cm. x Depth 37.4 cm.
b - wrench - Size: Length 12.6 cm. x Width 3.5 cm. x Depth 0.7 cm.

Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.

Maker: The British Oxygen Co., Ltd., Medical Section

Site Made (City): London

Site Made (Country): England

Dates: 1945
circa 1945

Date Remarks: Machine dates to the late 1940's to early 1950's

Material: plastic: clear
paint: beige; black
metal: silver; grey; yellow
rubber: black

Inscriptions: A manufacturer's label at the back base reads, ""MANUFACTURED BY MEDICAL SECTION OF // BRITISH OXYGEN ENGINEERING LTD. ["TD" superscripted] // LONDON. N. 18 // SERIAL NO ["O" superscripted] 304983/306"; front dial reads, "O₂ ["2" subscripted] OXYGEN PERCENTAGE N₂O ["2" subscr.] // The Walton apparatus // BY THE BRITISH OXYGEN CO. LTD. // MEDICAL // BOC // DIVISION"; a manufacturer's logo on the front reads, "MEDICAL // BOC // DIVISION"; a small label below this reads, "HOTEL DIEU HOSPITAL // ASSET NO. 04027"; right side labels read, "NITROUS OXIDE // N₂O ["2" subscr.] - RESERVE" and "NITROUS OXIDE // N₂O ["2" subscr.] - RUNNING"; two left side labels both read, "OXYGEN // O₂ ["2" subscr.]"

Permanent Location: Storage Room 0009
0009-13-1

Condition Remarks: The machine arrived very dirty and dusty; the paint covering the machine is chipped in several areas; there is very little corrosion visible on the uncovered metal; the screw threads of the cylinder yoke and wing nut show minor corrosion; the hose which would have led from the oxygen % dial to the oxygen tank is missing; #2 no new damage

Copy Type: Original

Reference Types: Person
Book

Reference Comments: Dr. Ray Matthews and John Sikora; "Ward's Anaesthetic Equipment, 3rd ed., by Andrew Davey, John T. B. Moyle and Crispian S. Ward, 1992, pp. 172-173; "Understanding Anaesthesia Equipment - Construction, Care and Complications" by Jerry A. Dorsch, M.D. and Susan E. Dorsch, M.D., 1975, p. 79; "Anaesthetic Equipment - Physical Principles and Maintenance" by C.S. Ward, 1975, p. 156

Research Facts: The Walton Apparatus was a demand flow anaesthetic machine; this was an improvement over earlier machines, because gas was used only when the patient breathed (less gas was used); this is a British-made machine and better than North American models of similar type; the British were ahead of North America in advances in anaesthesiology in this time period; the gas hose connectors at the back would have been for very big cylinders of oxygen and nitrous oxide; the emergency oxygen button is an oxygen flush button; this machine is a gas blender unit with a system to deliver a precise % of oxygen in an oxygen and nitrous oxide gas mix; the mercury pressure knob is a pressure gradient knob; the flow is pressure dependent

Exhibit History: On exhibit in Museum gallery, anaesthesia exhibit - Oct. 2 1997-Oct. 24, 2001



tank manifold system

<https://mhc.andornot.com/en/permalink/artifact1882>

Accession Number: 997008010
Collection: [Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection](#)
Category: [Diagnostic & Treatment Artifacts](#)
Classification: [Anaesthesia](#)
MeSH Heading: [Anesthesiology, instrumentation](#)
[MM= Anesthesia, Inhalation -- machine](#)

Description: Tank manifold system, which consists of a series of metal pipes, valves and stoppers on top of a wood and plastic stand attached to a cylindrical metal pole on a four-wheeled stand; the main part of the machine splits off into two connected halves; both sides of the machine have gauges which measure oxygen in lbs./sq. in. and pressure in lbs./sq. in.; both sides also have two-handled shutoff valves which can be turned to increase or decrease pressure and levered gas tank attachment sites; there is also a screw-on metal cap on a chain on both sides; the back of the base of the machine has an outgoing tube for gas.

Number Of Parts: 1
Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada
Dates: 1950
circa 1950
Date Remarks: Machine dates to the early 1950's to pre-1970's

Material: plastic: black; clear; grey
paint: green
metal: silver; yellow
wood: beige
glass: clear

Permanent Location: Storage Room 0009
0009-1

Dimension Notes: Length: 93.0 cm. x Width: 92.9 cm. x Depth: 33.5 cm.

Condition Remarks: The gas mixing machine arrived very dirty and dusty; the paint covering most of the metal is very chipped, but no exposed metal shows any sign of corrosion

Copy Type: Original

Reference Types: Person

Reference Comments: Dr. Valentinus "Nick" Nekus and John Sikora

Research Facts: The tank manifold system was a primitive system which would have regulated air pressure from a high pressured central source (or tanks) to patient use in the operating room; it was used as a control system to the operating room; this is a two-stage regulator which delivers precise oxygen pressures.

Images





ultrasonic nebulizer machine

<https://mhc.andornot.com/en/permalink/artifact1883>

Accession Number:	997008011
Collection:	Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection
Category:	Diagnostic & Treatment Artifacts
Classification:	Anaesthesia
MeSH Heading:	Anesthesiology, instrumentation MM= Anesthesia, Inhalation -- machine MM= Nebulizers and Vaporizers -- nebulizer
Description:	De Vilbiss ultrasonic nebulizer, model 35B, which consists of a rectangular plastic and metal case with a hollow cylindrical plastic piece on top; the top section has a plastic hose leading inside the machine and another hook-up section with an open/close attachment; the front of the machine has an on/off switch and light, an add couplant light, a reset switch and a power adjust knob (numbered from 1 to 10); the base of the machine has four round feet and an electric cord coming from the back left; the nebulizer was attached to a 5-wheeled stand (997.008.032) by Dr. Matthews
Number Of Parts:	1
Provenance:	Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.
Maker:	The De Vilbiss Co.
Site Made (City):	Somerset
Site Made (State):	Pennsylvania
Site Made (Country):	United States of America
Dates:	1980 circa 1980
Date Remarks:	Machine dates from the 1980's; dated as having had preventive maintenance on March 26, 1990
Material:	plastic: black; clear; white metal: silver; yellow
Inscriptions:	The bottom labels read, "115 VOLTS 50-60 HZ // 0.75 AMP. NOM. LINE CURRINE // THE DE VILBISS CO. // SOMERSET, PENNSYLVANIA" and "DEVILBISS Ultrasonic nebulizer // MODEL // 35B // SERIAL // 50455"; the front reads, "DE VILBISS // Ultrasonic nebulizer 35B // THE DEVILBISS COMPANY // SOMERSET, PA. // U.S. PAT. NO. 3,387,607 // CAN. PAT. NO. 777,453 // OTHER PATS. PENDING // F.C.C. TYPE APPROVAL NO. U346"; the switch, lights and knob are all labelled; the right side of the machine lists possible hazards of the machine and also has a label which reads, "PROPERTY OF // HOTEL DIEU HOSPITAL // CODE 199-6755336 500.99 // SUPPLIER Medishiled // DEPARTMENT Resp. Tech."; the left side of the machine lists possible explosion dangers; back top reads, "CHECK FILTER: To assure // proper orientation, replace // or clean air filter weekly"
Permanent Location:	Storage Room 0009 0009-13-1
Dimension Notes:	Length: 31.4 cm. x Width: 20.9 cm. x Depth: 18.8 cm.
Condition Remarks:	The nebulizer arrived very dirty and dusty
Copy Type:	Original
Reference Types:	Person Other
Reference Comments:	Dr. Ray Matthews; attached to 997.008.032
Research Facts:	This machine was used to humidify gases used for anaesthesia, before they went into the patient; stored as part of 997.008.032

Heidbrink Kinet-O-Meter anaesthesia machine



<https://mhc.andornot.com/en/permalink/artifact1886>

Accession Number: 997008014 a-d
Collection: [Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection](#)
Category: [Diagnostic & Treatment Artifacts](#)
Classification: [Anaesthesia](#)
MeSH Heading: [Anesthesiology, instrumentation](#)
[MM= Anesthesia, Inhalation -- machine](#)

Description: (a) Heidbrink Kinet-O-Meter, Lundy Rochester Model anaesthesia machine, which consists of a rectangular green painted metal cabinet on four wheels; the front of the cabinet has a switch at the top and is divided into two halves; the right half has three pull-out (and removable) drawers - a fourth and top drawer is missing; the left half has a door which opens on hinges at the left; the space inside contains a pole which can be pulled out; a trilene absorber can be attached to the pole (as is 997.008.034a-d) and a plastic hose leads from this to the machine; the right side has two gauges for oxygen pressure and carbon dioxide pressure; the left side of the machine has three gas cylinder hook-ups, two for nitrous oxide and one for cyclopropane as well as a gauge to read the pressure of each gas; at the back there is a reducing valve, and at the front is a hook-up for an absorber (though not one attached); the top of the machine has a set of four disc flowmeter gauges to read the flow of cyclopropane, nitrous oxide, carbon dioxide and oxygen; (b-d) three identical pull-out drawers with black plastic handles at the front; the inside base of the drawers is lined with green felt; these drawers fit into the right side of the machine cabinet.

Number Of Parts: 4

Part Names: a - machine, anaesthesia - Size: Length 105.4 cm. x Width 64.8 cm. x Depth 40.9 cm.
b-d - drawers (x3) - Size: Length 16.8 cm. x Width 35.9 cm. x Depth 15.2 cm.

Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.

Maker: The Ohio Chemical & Mfg. Co.

Site Made (City): [Minneapolis](#)

Site Made (State): [Minnesota](#)

Site Made (Country): [United States of America](#)

Dates: 1940
circa 1940

Date Remarks: Machine dates from the 1940's to early 1950's

Material: plastic: black; clear; white
metal: silver; grey
paint: green
fabric: green

Inscriptions: A manufacturer's label on the top of the back reads, "LUNDY // ROCHESTER MODEL // HEIDBRINK // KINET-O-METER // REG. U.S. PAT. OFF. // HEIDBRINK DIVISION OF // THE OHIO CHEMICAL & MFG. CO. // MINNEAPOLIS, MINN // PAT. NO. 1,412,866 // PAT. NO. 1,989,366 // HI-CO // PAT. NO. 1,802,601 // PAT. NO. 2,073,372 // PAT. NO. 1,858,084 // OTHER PATS. APPL'D FOR // MADE IN U.S.A."; a small label below this reads, "HOTEL DIEU HOSPITAL // ASSET NO. 04024"; a metal switch on the front of the machine is stamped, "CIRCLE" on one side and "TO-FRO" on the other

Permanent Location: Storage Room 0009
0009-13-1

Condition Remarks: The machine arrived very dirty and dusty; most exposed metal parts show no corrosion, with the exception of the nitrous oxide pressure gauge, which has a green corrosion product and the plastic cover is also cracked; other plastic parts show no cracks or missing sections

Copy Type: Original

Reference Types: Person
Book
Other

Reference Comments: Dr. Ray Matthews; similar to 997.008.004; also see 997.008.034 a-c; "Understanding Anaesthesia Equipment -- Construction, Care and Complications" by Jerry A. Dorsch, M.D. and Susan E. Dorsch, M.D., 1975, p. 47

Research Facts: This machine mixed gases according to the doctor's instructions; this machine was used on children and adults for any type of surgery requiring anaesthesia; the disc flowmeter gauges were very inaccurate; the central switch could cause patient death if accidentally turned; this TO-FRO or CIRCLE switch could change the tubes leading to the patient from 1 to 2 (or the other way around, which could be fatal); the reducing valve reduced the pressure in the gas cylinder

Exhibit History: On exhibit in Museum gallery, anaesthesia exhibit - Oct. 2 1997-Feb. 1998



soda lime absorber

<https://mhc.andornot.com/en/permalink/artifact1891>

Accession Number: 997008019

Collection: [Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection](#)

Category: [Diagnostic & Treatment Artifacts](#)

Classification: [Anaesthesia](#)

MeSH Heading: [Anesthesiology, instrumentation](#)
[MM= Anesthesia, Inhalation -- accessories -- absorber](#)

Description: Boyle Mark III soda lime absorber, which consists of a clear plastic cylinder and a metal top and bottom; the cylindrical cannister is a twin chamber design, divided by meshed metal; the head of the absorber has an on/off control (to which a holding switch has been added on); in front of the control are inspiratory and expiratory valves, to which hoses would be attached; the inspiratory valve has an emergency O2 on/off flush button and a braided hose which would have connected to an oxygen outlet on the anaesthesia machine; below the inspiratory valve is another valve to which a manual rebreathing bag was to be attached; the back of the absorber has an attachment which allows it to be attached to an anesthesia machine; this absorber was attached by Dr. Ray Matthews to 997. 008.001

Number Of Parts: 1

Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.

Maker: The British Oxygen Co. Ltd.

Site Made (City): [London](#)

Site Made (Country): [England](#)

Dates: 1955
circa 1955

Date Remarks: The machine dates from the 1950's to the early 1960's

Material: fabric: black; white
metal: silver; red; green; grey
rubber: black
plastic: clear; black; brown

Inscriptions: A manufacturer's label on top of the absorber reads, "BOYLE ABSORBER // BOC MARK III BOC // THE BRITISH OXYGEN CO. LTD. LONDON // MADE IN ENGLAND"; under the on/off control is, "SERIAL NO. // B. A. 3589"; the front of the absorber head has a small label which reads, "HOTEL DIEU HOSPITAL // ASSET NO. 04041"; the side of the cannister reads, "DO NOT FILL // ABOVE THIS LINE // SPRAY WITH ANTISTATIC SOLUTION"; the on/off control is labelled as are the inspiratory and expiratory valves and emergency O2 flush button

Permanent Location: Storage Room W1
W1-6-1

Dimension Notes: Length: 36.9 cm. x Width: 21.2 cm. x Depth: 30.6 cm.

Condition Remarks: The absorber arrived very dirty and dusty; some minor corrosion is visible on the upper chamber; minor wear is visible on the outside parts of the absorber; the manual rebreathing bag is missing as well as the hoses; #2 no new damage

Copy Type: Original

Reference Types: Person: Document
Other

Reference Comments: Dr. Ray Matthews; see attached photocopies from a Boyle catalogue; attached to 997.008.001; similar to 997.008.024; see attached photocopy from 1964 Ohio catalogue

Research Facts: The switch which prevents the absorber from accidentally being turned off is an add-on (not manufactured); soda lime was put in the absorber and used to absorb the expired carbon dioxide; stored as part of 997.008.001.

Exhibit History: On exhibit in Museum gallery, anaesthesia exhibit - Oct. 2 1997-Oct. 24, 2001

Images



McKesson anaesthesia machine

<https://mhc.andornot.com/en/permalink/artifact1893>

Accession Number: 997008021 a-b

Collection: [Hotel Dieu Hospital Dept. of Anaesthesia, Kingston Collection](#)

Category: [Diagnostic & Treatment Artifacts](#)

Classification: [Anaesthesia](#)

MeSH Heading: [Anesthesiology, instrumentation](#)
[MM= Anesthesia, Inhalation -- machine](#)

Description: (a) McKesson deep breath demand flow anaesthesia machine, Model J, with ether vaporizer, Model 965; both sides of the machine have round sections which attach together in the middle; there is an oxygen hook-up hose and pressure dial on both sides; the top of the machine has a central dial which regulates % oxygen; in front of this dial is another dial which controls pressure (from 0-40 mm); the back of the machine has a rubber bellows enclosed in a square metal frame; the side of the bellows has a metal turner and scale to alter the pressure of gas delivered; the front of the machine has a built-in ether vaporizer with a dial at the top and a fill nozzle at the side; the front of the vaporizer has a nozzle for a hose (to the patient) to be hooked on; a glass jar, marked in increments of cc and oz., screws onto the bottom of the vaporizer; the anaesthesia machine is mounted on a cylindrical pole which fits into (b) a four-legged black-painted metal stand, with wheels on the bottom of each leg.

Number Of Parts: 2

Part Names: a - anaesthesia machine - Size: Length 82.0 cm. x Width 34.2 cm. x Depth 33.8 cm.
b - wheeled stand - Size: Length 15.5 cm. x Width 40.2 cm. x Depth 40.2 cm.

Provenance: Purchased by and used at the Hotel Dieu Hospital, Kingston, Ontario, Canada.

Maker: McKesson Appliance Co.

Site Made (City): Toledo

Site Made (State): Ohio

Site Made (Country): United States of America

Dates: 1935
circa 1935

Date Remarks: The machine dates from the late 1930's to the early 1940's

Material: paint: black; grey
metal: silver; yellow
rubber: black; dark green
plastic: black
glass: clear

Inscriptions: (a) The oxygen dial at the top reads, "McKesson Nargraf // REG U.S. PAT. OFF. // PAT. NOS. RE-17512 -1,632,449-1,687,255 OTHER PATS. PEND. // McKESSON APPLIANCE CO., TOLEDO, OHIO, U.S.A. // MODEL J // OXYGEN PERCENT // 100 75 50 25 0 // USE SMALL DIAL"; the ether vaporizer top reads, "McKESSON APPLIANCE CO. // TOLEDO, OHIO, U.S.A. // ETHER // VAPORIZER // MODEL 965 SERIAL NO X9015 // ON 7 / 6 / 5 / 4 / 3 / 2 / 1 / FILL // OFF"; the left side top of the machine has a warning label on proper usage; the oxygen pressure gauges both read, "LOW // OPERATING // RANGE // HIGH // McKESSON APPLIANCE CO. // TOLEDO, OHIO, U.S.A. // U.S. // GAUGE CO. // N.Y. // MADE IN U.S.A. // AD-7739"; the left side of the machine has a manufacturer's label which reads, "McKESSON APPLIANCE CO. // TOLEDO, OHIO, U.S.A. // N20 // McKESSON // O2"

Permanent Location: Storage Room 0009
0009-13-1

Condition Remarks: The machine and stand arrived very dirty and dusty; there are several chips and signs of wear in the painted metal parts; the side pieces show some corrosion of the exposed metal; the rubber oxygen hose on the left shows minor cracks near the top; the glass jar is missing from the ether vaporizer; #2 no new damage

Copy Type: Original

Reference Types: Person
Book

Reference Comments: Dr. Ray Matthews, John Sikora; machine is similar to 997.008.002; ether vaporizer is similar to 997.008.063a,b; see also 997.008.064, and .065, 997.023.001 and .002; "Ward's Anaesthetic Equipment", 3rd ed., by Andrew Davey, John T.B. Moyle and Crispian S. Ward, 1992, pp. 168-171

Research Facts: The metal key at the bellows MAY alter the pressure of gases delivered; this machine used oxygen, nitrous oxide and ether; the machine was used to proportion gases and get precise concentrations; pieces attached to this machine by Dr. Matthews include: breathing hose (997.008.064), connector (997.023.001), valve (997.023.002) and mask (997.008.065)

Images

