

Finding aid for Brown Instrument Company Records (1925-1960)

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History:

In the late 1850's, an English engineer, Edward Brown, immigrated to Philadelphia, bringing with him his knowledge of kilns, foundries, and the high temperatures involved in both. Edward Brown invented the first pyrometer (carbon-rod pyrometer) in 1869, based on differential expansion of iron and graphite rods. Until that time there had been no accurate way to measure the high temperatures in kilns and foundries. The pyrometer made it possible to measure these high temperatures that ordinary thermometers could not measure. This was important because it made it possible to set accurately the optimal temperatures for forging quality iron and steel, thereby reducing the amount of flawed iron and steel produced.

The business that would evolve into the Brown Instrument Company began in the mid nineteenth century. According to the Philadelphia Directory, Edward Brown was listed as an engineer and patent agent in 1867. In 1873, he was listed as a solicitor of patents and his business was established in 1860. His 1880 listing had him with the United States & Foreign Patent Office, along with an advertisement that he sold pyrometers, scotch glass tubes, and steam gauges. By 1889, Edward Brown was no longer listed as a patent agent, and was advertising his instruments exclusively.

Edward Brown's son, Richard, took over the business after his father's death in 1905. The Philadelphia Directory for 1906 lists the business as Edward Brown & Son. Perhaps Richard kept his father's name for recognition. The Brown Instrument Company was established on April 19, 1910, with Richard Brown as president (for one year, 1918, the company was listed as Brown Instrument Co. & Keystone Electrical Instrument Co., but by 1919 it was listed again as only Brown Instrument Company). The purpose of the company was to manufacture electrical measuring instruments. The company became one of America's largest producers of industrial thermometers and thermostats, providing large steel companies with the means of regulating the high temperatures of their blast furnaces. By 1934, the company held a large number of instrument patents, was a producer of about five-hundred instrument products, employed five-hundred workers, and brought in annual revenues of about two million dollars. The company's success as a worldwide leader in industrial controls and indicators made it an attractive possible acquisition for other companies.

William Huff, treasurer of Minneapolis-Honeywell Regulator Company, happened by chance to be seated next to Richard Brown on a train to New York after a

National Recovery Act meeting in Washington D.C. During the course of casual conversation they began to discuss the similarities between their respective companies. Brown was the maker of the best recording, indicating, and controlling instruments but did not make the valves and accessories needed for complete instrumentation. Minneapolis-Honeywell did make these valves and accessories. Brown and Huff realized that their companies were a natural fit and soon after entered into negotiations. In 1934 Minneapolis-Honeywell bought Brown Instrument's assets for \$2.3 million, becoming one of several acquisitions Minneapolis-Honeywell made in the area of industrial process controls.

Minneapolis-Honeywell was also interested in Brown Instrument Company because they provided another opportunity for expansion into the global market. In 1930 Minneapolis-Honeywell established a subsidiary in Toronto, Canada where, since 1915, small inroads had been made with distributors for Minneapolis Heat Regulator Company thermostats. In the same year that they bought Brown Instrument Company, Minneapolis-Honeywell had opened its first European subsidiary in Amsterdam, and in 1936 they established one in England as well. Brown Instrument Company gave Minneapolis-Honeywell an opportunity to enter the Pacific Rim.

Brown had a close relationship with Yamatake Corporation of Tokyo, Japan. This Japanese company was distributing Brown products by 1920, and after the merger with Minneapolis-Honeywell, the relationship was expanded to include that companies commercial and residential heating controls. Yamatake-Honeywell was a 50-50 venture, but was pared down to 20% for Honeywell by the 1990's, and both companies would continue to benefit from technical cooperation.

World War II disrupted this new global expansion. In the Netherlands, their employee numbers were reduced to five, three of which were in hiding and could not hold jobs. Communications with Yamatake were severed. The owner, Takehiko Yamaguchi, continued with production, keeping track of royalties owed to Honeywell. At the end of the War Yamaguchi sent his son to Honeywell to give an accounting of the business during the war years. With much of the factory destroyed, Yamatake would have trouble paying the debt. Honeywell helped them reorganize, rebuild, and establish a presence in the Orient. The post war rebuilding was a boom for Honeywell's international business as factories were built throughout Europe and Asia. In this time of industrial growth, technologies centered on industrial controls would become important.

After their merger with Minneapolis-Honeywell Regulator Company, Brown Instrument began to develop control systems capable of measuring and adjusting the temperature, pressure, and flow rates of various liquids and gases. These developments were particularly important to the oil and chemical industries. Just prior to World War II, Brown developed electromechanical devices, which contributed to the automation of factories.

After World War II, Brown began to experiment with remote control devices similar to those developed at M.I.T.'s Servomechanisms Laboratory. According to

reports from M.I.T.'s Lincoln Laboratory, during the 1950s, Brown began to use modern concepts of control engineering originally developed through research on guided missiles. With the 1950's came the rise of computers, and Brown began to use analog computers to develop control systems more powerful than the previous electromechanical systems. These systems could perform all calculations automatically and aided continuous process industries, such as oil and chemical, by automatically controlling liquids and gasses as they flowed through pipes and membranes.

In the late 1940s and early 1950s, Brown Instrument Company worked closely with IBM, who was also promoting industrial automation through its Industrial Computation Seminar, to develop automated systems for companies such as Sun Oil, DuPont, and Texaco. By the mid-fifties, Brown was working with Procter and Gamble, Sun, Standard Oil, Seagram, General Electric, Shell, and the Atomic Energy Commission to install systems capable of supervising an entire factory by analog computer.

In a 1988 pamphlet, Honeywell asserted that the legacy of Brown Instrument lived on with the 1975 development of TDC 2000, a digital process management system incorporating microprocessors. In 1983, TDC 3000 integrated all aspects of plant function, linking process equipment, control subsystems, and computers to a high-speed communications network. In summary, Brown Instrument Company had a major impact on the development of modern industrial production. From invention of the pyrometer to the advent of sophisticated measurement and control systems, Brown Instrument was instrumental in the creation of modern industrial automation.

The Brown Instrument name survived until 1949, at which point it became Philadelphia Division. On many of the engineering reports in the collection, the company is referred to as the Brown Instrument Division. Later it became the Process Control Division of Honeywell, Inc., located in Fort Washington, Pennsylvania. (Honeywell, Inc. became the official name in 1963, replacing Minneapolis-Honeywell Regulator Company). Today it is the Industrial Automation & Control Division (IAC) located in Phoenix, Arizona.

Sources: *Computers Automation, And Cybernetics At The Hagley Museum And Library*
by Michael Nash, 1989

Honeywell After 100 Years by Esdon W. Spencer, 1985

Honeywell, The First 100 Years by Judith Yates Borger, 1988

Philadelphia Directory, 1862-1919

www.controlmagazine.com

www.honeywell.com

Scope and Content Note:

The records consist mostly of engineering reports on the research, development, production, and installation of the company's control and measuring systems. Correspondence and internal memoranda reveal that automation was believed to be a way to cut labor costs, increase quality, and provide management more control over shop floors.

Also included are various articles and reports on control engineering written by scientists from other institutions and organizations, particularly the American Society of Mechanical Engineers and the Instrument Society of America. These articles and reports can be found throughout Series I and II in files marked as containing articles. These files are found at the beginning of each new sub-series. The collection also includes reports from M.I.T.'s Lincoln Laboratory. M.I.T. reports can be found towards the front of Series I in files marked M.I.T. Fluid Power Control.

Two trade catalogs are also included in the collection. They are located at the Soda House, Accession PAM(B).

Ser. I: Control Systems, 9.25 linear feet, 1928-1959, bulk 1945-1955

This series contains research files pertaining to the development of various control systems and schemes. The records are of an engineering and technical nature, covering the electromechanical, hydraulic, and pneumatic systems developed by the company.

The series is arranged in four sub-series:

- Automatic Control Systems (1932-1954, .25 linear feet)
- Generalized Control Schemes (1930-1957, 1.75 linear feet)
- Process Control Systems (1928-1958, 2.75 linear feet)
- Control Devices (1929-1959, 4.5 linear feet)

Each of the sub-series is arranged in the order of a number assigned by the company (i.e., 346/16). Each also contains similar types of documents, most of which are Engineering Department Records. Found here are interoffice correspondence, customer correspondence, articles, bulletins, studies, and various reports. This documentation provides information on the problem solving, engineering, and technical development that went into Brown's control systems and devices.

Ser. II: Measuring Systems, 35 linear feet, 1907-1973, bulk 1930-1957

As in the previous series, Ser. II contains research files. The subject of this series' records is on the development of Brown's measuring systems, covering a wide variety of technical and engineering aspects.

The series is arranged in fifty-two sub-series:

- Instrument Theory (1944-1956)
- Block Diagram Analysis (1951-1953)
- Telemetry Systems (1933-1964)
- Type K Thermocouple (1965)
- Photoelectric Pyrometry (1947-1951)
- Product Quality Measurement (1950-1963)
- Density & Specific Gravity Measurement (1950-1963)
- Electro-Chemical Measurement (1934-1958)
- Optical Measurement (1929-1957)
- Viscosity Measurement (1917-1958)
- Spectroscopy (1941-1958)
- Gas Analysis (1915-1955)
- CO₂ Meter (1924-1957)
- Flame Analysis (1931-1943)
- Speed Measurement (1926-1955)
- Thickness Gages (1936-1958)
- Moisture Measurement (1924-1959)
- Moist-o-graph (1936-1956)
- Temperature Measurement (1918-1959)
- Resistance Thermometers (1907-1966)
- Thermistors (1941-1956)
- Photoelectric Pyrometry (1931-1956)
- Radiation Pyrometry (1916-1969)
- Thermocouples (1932-1965)
- Thermocouple Wire (1922-1969)
- Thermocouple Accessories (1925-1965)
- Thermometers (1921-1959)
- Temperature Controllers, Indicating (1948-1955)
- Temperature Transmitters (1947-1949)
- Pressure Measurement (1936-1956)
- Pressure Elements (1931-1957)
- Pressure Gages (1933-1957)
- Pressure Transmitters (1938-1953)
- Flow Measurement (1923-1973)
- Flow Primary Elements-Closed Channel (1916-1957)
- Flow Primary Elements-Open Channel (1920-1954)
- Flow Secondary Elements-Closed Channel (1930-1960)
- Mercury Head Flowmeters (1929-1959)
- Dry Head Flowmeters, Diaphragm (1941-1960)
- Dry Head Flowmeters, Bellow (1941-1956)
- Flowmeters-Open Channel (1948-1956)
- Liquid Level Measurement (1941-1953)
- Liquid Level Meters, Float (1930-1955)
- Liquid Level Meters, Displacement (1940-1956)
- Liquid Level Meters, Head (1932-1955)
- Liquid Level Meters, Electric (1931-1956)
- Mechanical Parts (1943-1955)
- Sealing Devices (1952-1954)
- Electronic Devices & Parts, Integrator (1931-1950)
- Chart Drives (1936-1955)
- Chart Paper (1939-1956)
- Integrators (1949-1956)
- Balancing Motor (1947-1958)

Each of the sub-series is arranged and divided by the order of a number assigned by the company (i.e., 346/16). For this reason, the sub-series Photoelectric Pyrometry appears twice due to the fact that each set of records is marked with different file numbers. Each sub-series also contains similar types of documents, most of which are Engineering Department Records. Found here are interoffice correspondence, customer correspondence, articles, bulletins, studies, and various reports. This documentation provides information on the problem solving, engineering, and technical development that went into Brown's measuring systems.

Ser III: Job Files & Miscellany, 3.25 linear feet, 1937-1964

Series III is the smallest of the series and consists of mostly job files. These files follow the progress and development of specific jobs by the Engineering Department. Also here are meeting minutes for the Bulb & Well Committee of Scientific Apparatus Makers of America (SAMA) whose general purpose, according to the minutes, "was to study the possibility of recommending standards for thermometer bulbs and wells." W. A. Lang from Brown Instrument was the committee's acting Secretary Pro Tem.

The series is arranged into three sub-series:

- Jobs (1949-1964, .5 linear feet)
- Closed Jobs (1937-1958, 2.5 linear feet)
- SAMA Bulb & Well Committee Meeting Minutes (1946-1962, .25 linear feet)

The job files are arranged in order by job number and consist of reports and project status notice forms from the Engineering Department. The Meeting Minutes are arranged in chronological order.

Accession 1782
Brown Instrument Company: Research Files

Series I Control Systems

Box 1

Automatic Control Systems

Final Control Element System

Data Calculation Formula – nd, February 20, 1932, April 1954

Data Linkage – June 14, 1939-March 10, 1944

Conditioning Instruments-Air – February 17, 1937-February 1952

Application Data – December 29, 1943-January 24, 1944

Generalized System Control Schemes

General and Miscellaneous – June 24, 1944-March 14, 1945

Bulletins – March 30, 1943

Electronic Control Systems – December 7, 1951-January 1956

Basic

General and Miscellaneous – April 21, 1933-March 26, 1953

Articles and Abstracts – October 1948-December 31, 1956

Articles and Abstracts – August 1943-June 1957

Bulletins – November 16, 1950-January 19, 1954

Multiple Element Control – December 7, 1945-October 19, 1951

Ratio Control – November 30, 1931-June 1953

Fuel Air Ratio – June 15, 1951-December 14, 1954

Fuel Air Diesel Engines – March 26, 1952-February 1955

Program and Time System Control

General – October 20, 1949-January 27, 1954

Program or Full Time Cycle – 1931-1945

Box 2

Program or Full Time Cycle –1946-1949 1950-1951

Program and Time System Control

Cam Operated – June 8, 1933-August 29, 1952

Competitive Schemes – June 17, 1940-September 11, 1953

Analysis Control – December 10, 1947-July 7, 1950

Supervisory Control – October 11, 1949-August 7, 1953

Service Data – November 18, 1949-August 21, 1952

Graphic Panel Quotes – August 3, 1937-September 19, 1952

Graphic Panel Bulletin Data – June 2, 1950-January 31, 1952

General Panels Manual - November 12, 1953

Supervisory Control

Development – 1942-1951

Colorgraphic Panel – February 2, 1950-December 1953

Batch Production – July 2, 1943-November 12, 1952

Batch Process Control – January 6, 1945-September 11, 1952

Acc. 1728 Brown Instrument Co. Records
Ser I Control Systems

Basic Control From Either or Two Variables – January 24, 1940-January 13, 1953
Control From Multi Point Instrument Annealing Cover Control – May 29, 1941-October 31, 1955
Control From Multi Point Annealing Cover Control Tests – February 6, 1942
Control Of Annealing – February 28, 1951-March 15, 1955
Control From Multi Point Instrument Pot Furnace Interlock Control – April 25, 1930-December 8, 1944
Warning Systems – June 29-July 6, 1948
Control From Multi Instruments – March 21, 1940-December 4, 1947
Saturable Reactor Control – September 30, 1953-January 4, 1957

Box 3

Furnace Control – March 30, 1951
Industrial Heating Control – 1944-1957

Process Control Systems

Article and Abstracts – November 17, 1953-September 1958

General

Folder 1 – February 1954-November 14, 1955
Folder 2 – August 12, 1955-February 13, 1958

Measured Variables

General and Miscellaneous – October 9, 1934-1953
Article and Abstracts – February 1943-July 1955
Squeeze Roll Loading System – July 24, 1950-May 23, 1951
Bulletins – November 15, 1950-February 8, 1954

Flow Control System

Folder 1 – January 2, 1930-September 27, 1954
Folder 2 – May 21, 1931-October 29, 1956

Ratio Control Flow Systems – July 8, 1932-August 25, 1953

Moisture Control Systems

General – December 19, 1936-December 4, 1953
Installation Diagram – October 26, 1938-December 18, 1939
Wiring Diagrams – January 11, 1939-December 23, 1943
Instructions – September 9, 1938-October 4, 1945

Box 4

Cotton Slasher
January 6, 1937-September 27, 1945
May 25, 1949-July 19, 1951

Paper Machine Control – 1941, 1950-1953

General – December 5, 1939-January 12, 1956

Rayon Slasher Control – January 4, 1940-September 29, 1949

Liquid Level Control – March 19, 1928-September 1958

Acc. 1728 Brown Instrument Co. Records

Ser I Control Systems

Size Box Level Control – December 21, 1938-October 19, 1951

Size Box Electrodes – June 26, 1939-January 11, 1952

Temperature Control – February 5, 1943-December 1956

Size Cooking Control – 1939-1950

Size Box Temperature Control (Textile Mills) – 1938-1946

Cylinder Temperature Control – 1945-1948

Cylinder Development – February 19, 1942-September 3, 1945

Pressure Control – 1940-1954

Furnace Pressure Control – 1939-1946

Speed Control – July 31, 1951-December 10, 1952

Differential Pressure Control – April 4, 1946-May 14, 1953

Density Control – January 3, 1945-October 24, 1952

Box 5

Exothermic Reaction Control Systems – June 29, 1948-January 8, 1952

Weight Control Systems – September 9, 1946-July 1952

Drying Control – August 1951

Mixed Displacement Type Liquid Level – July 19, 1938-July 8, 1949

Flame Failure

Flame Failure Control Systems – November 11, 1941-December 19, 1950

Determination Of Means To Safeguard Aircraft From Power Plant Fires – October 1943-April 1944

Bulletins – 1937-1938

Flame Resistance Data – January 22, 1942-April 28, 1944

Sales Analysis and Data – December 14, 1939-March 28, 1949

Application Data – February 3, 1939-October 9, 1950 (items OS-1)

General – May 23, 1944-November 8, 1951

Fractional Column Control – December 11, 1943-April 1955

Oil Heater Control – May 17, 1946-January 12, 1951

Absorber Tower Control – January 15-April 17, 1951

Electronic Furnace Control – June 28, 1944-December 18, 1953

Catalytic Cracker Control – October 13-December 8, 1947

Heat Exchanger Control – October 15, 1946-January 31, 1950

Combustion Control – January 27, 1930-November 1, 1934 October 13, 1937-December 10, 1953

Bethlehem Steel, Sparrows Point – 1934-1940

Byrne Combustion Control – May 20, 1935-February 16, 1942

Combustion Control Boiler – May 16, 1938-December 22, 1953

Turbine Control

Correspondence/ASME – February 14, 1929-October 10, 1956 (items OS-1)

Motion Control – July 7, 1936-August 16, 1944

Acc. 1728 Brown Instrument Co. Records
Ser I Control Systems

Control Devices

Time Cycle Controllers Controller Schemes – November 2, 1942-April 19, 1946
Hydraulic Controllers & Parts – April 1953-June 23, 1954
Pneumatic
General and Miscellaneous – April 1, 1942-December 1955
Pneumatic Theory – March 13, 1942-August 1948
Competitive Analysis – December 19, 1934-November 3, 1944
Bulletins – April 17, 1950-June 11, 1951
Pneumatic Controller Schemes – February 14, 1940-June 24, 1953
Oscillation Of Air – July 27, 1942-September 11, 1945
History of Air Control – 1929-1930

Box 6

History of Air Control – 1934-1946
Wright Aeronautical Corp. Circular Case Control – September 29, 1939-September 19, 1951
Rectangular Case – June 2, 1938-July 19, 1951
Dual Interlock Controller – December 9, 1942-September 18, 1944 (items OS-1)
Three Pen Recorders – February 1, 1940-July 5, 1946
Dual Controller – June 24, 1940-December 27, 1948 (items OS-1)
Small Rectangular Case Controller – February 15-June 19, 1950 OS-1
Sales Data – April 25, 1938-January 18, 1957
Pneumatic Controllers & Parts
Pilot Valve, Components, Bulletins – October 11, 1935-November 23, 1955
Pilot Valve – January 12, 1942-September 13, 1955 (items OS-1)
Pilot Valve Non-Bleed Time – August 25, 1938-August 11, 1952
Pilot Valve Non-Bleed Type Test Data – July 22, 1943-March 25, 1946
Pilot Valve Redesign – June 2, 1949-July 15, 1958
Pilot Valve Non-Bleed Product Quality Tests – April 10, 1952-June 30, 1953
Null Balance Pilot Valve – April 11, 1946-September 28, 1949
Pilot Valves Non-Bleed Miniature
Development – January 30, 1952-February 20, 1956
Testing – May 20, 1952-March 19, 1954 (items OS-2)
Manufacturing – July 29, 1953-January 21, 1956
Cost & Sales Data – March 3, 1952-December 6, 1955
Pilot Valve Bleed Type – July 27, 1948
Remote Cut-Off Valve – January 17, 1949-February 29, 1952
Switching Valves – July 2, 1936-May 10, 1950
Feedback Relay For Remotset Controller – August 10, 1949-December 26, 1950 (items OS-3)
Pressure Balance Relay – August 17, 1949-February 27, 1951 (items OS-1)
Air Control Nozzle – June 29, 1938-May 26, 1950
Needle Valves, Tell-O-Set Controller – February 28, 1952-July 1, 1953

Box 7

Reset Valve – September 24, 1940-November 15, 1955
Reset Fluids – September 28, 1942-March 31, 1949 (items OS-3)

Acc. 1728 Brown Instrument Co. Records

Ser I Control Systems

Air Control Bellows Data – December 17, 1934-January 1955

Diaphragms – September 13, 1949-February 23, 1954

Index Setter – February 3, 1936-November 14, 1951

Adjustable Restriction, General – June 22, 1950-April 23, 1957

Air Control Gauges – February 2, 1937-December 26, 1950 (items OS-1)

 Pneumatic Controllers, On-Off

 General & Miscellaneous – July 5, 1938-April 17, 1953

 Controller Schemes – June 27, 1944-November 13, 1953

 Pneumatic Controllers, Proportional

 General & Miscellaneous – July 20, 1937-February 29, 1952 (items OS-1)

 Controller Schemes – June 27, 1944-August 16, 1954

 Limited Throttling – December 7, 1936-February 12, 1947

 Full Throttling – December 21, 1937-March 6, 1957

 Non-Indicating Pressure Controller – 1950

 Pneumatic Controllers, Proportional Plus Reset

 General & Miscellaneous – March 28, 1944-February 23, 1954

 Controller Schemes – November 22, 1943-October 8, 1954

 Bulletins – June 7, 1950-December 8, 1954

 Field Test Of Air Control – May 24, 1938-May 18, 1945

 Air-O-Line

 Controllers – February 21, 1935-October 2, 1952

 Reset Shut-Off – March 15-November 24, 1948

 History – 1935-1939

 3-27 PSIS Output Range – March 26-August 31, 1951

 Dual Air Controller – August 23, 1935-March 18, 1942

Duplex Air Controller (Circular Case) – March 31, 1936-June 20, 1946

Air-O-Line Controller With Adjustable Neutral – April 24, 1942-January 20, 1948

Box 8

Hygrometer Air Control (Circular Case) – April 9, 1936-June 28, 1944

Pressure Gauge Air Control (Circular Case) – June 18, 1937-November 12, 1948

Simplified Controller – January 24, 1946-April 9, 1947

Non-Indicating Controller Graphic Panel – October 24, 1949-June 27, 1952

Indicating Controller Compact (C.I.C.) – March 23, 1949-March 3, 1952

 Tel-O-Set

 General – July 18, 1950-March 21, 1956

 Shell Development Co. – October 8, 1957-November 17, 1959

 Manifolding – December 21, 1950-February 6, 1953 (items OS-1)

 Calibration Data – April 26, 1951-February 24, 1954

 Design-General – October 10, 1951-September 1955 (items OS-1)

 Design-Fast Reset – December 29, 1948-February 23, 1954
 June 22, 1950-February 24, 1954 (items OS-1)

 Design Of Single Pilot, Dual Controller – July 26, 1951-
 February 24, 1954 (items OS-1)

Acc. 1728 Brown Instrument Co. Records
Ser I Control Systems

Design-Slow Reset – February 8, 1951-January 4, 1954
Service Manual – October 25, 1951-July 30, 1953

Telosec Rate Action

Development – January 11, 1951-August 2, 1954

Field Tests – April 22, 1952-January 1955

Speed Floating Controller – October 14, 1949-June 7, 1950

Air-O-Line Controller Strip Chart Potentiometer – March 10-December 19, 1950

Service Analysis – May 13, 1943-October 13, 1949

Pneumatic Controllers, Rate Action

General & Miscellaneous – October 11, 1937-April 2, 1952

Rate Action Schemes – November 23, 1943-September 1, 1953

Box 9

Bulletin – March 23, 1943-February 23, 1954

Dennis Rate Action Schemes – May 8, 1936-October 6, 1938

Air-O-Line Controller With Rate – October 6, 1938-February 14, 1952

Rate Action Unit

Reports Only – May 8, 1940-May 9, 1951

89-S-54 – May 20-August 19, 1946

Tendalizer – September 11, 1934-September 19, 1935

Impulse Unit – January 4, 1934-June 24, 1935

Rate Relay – September 29, 1939-August 3, 1944

65-5-03 – September 22, 1939-May 26, 1944

Pneumatic Telemetering Devices

General & Miscellaneous – April 16, 1943-June 30, 1949

Pneumatic Telemetering Schemes – April 10, 1943-November 8, 1948

Acc. 1728 Brown Instrument Co. Records
Ser I Control Systems, Ser II Measuring Systems

Newmatic Time Pattern Transmitter Type – November 21, 1940-March 4, 1949 (items OS-1)
Newmatic Time Pattern Development – June 11, 1937-December 22, 1947
 Pneumatic Control Accessory Devices
Bulletins Air Filter (Dripwell) – August 24, 1942-February 17, 1949
Filters – July 31, 1935-February 16, 1955
 Heavy Duty – May 27, 1940-February 16, 1942
 Pneumatic Accessories
General & Miscellaneous – November 9, 1942-September 20, 1954
Articles & Abstracts – February 16, 1954
Bulletins – July 23, 1951-May 19, 1952
 Manual By-Pass – January 23, 1947-August 26, 1949
Manual By-Pass
 General – October 8, 1936-January 5, 1948 (items OS-1)
 Early Development – March 19, 1937-April 14, 1948
 #77269 – April 30, 1938-September 6, 1945
 #77269 Improved Type – June 24, 1942-November 13, 1947
 #350088 – November 23, 1948-November 26, 1943 (items OS-1)
 17 X 45 – November 26, 1943-May 4, 1948 (items OS-1)
 Integral – December 12, 1946-February 3, 1950 (items OS-1)
 1)
 Development – January 14, 1947-July 2, 1948
 Development Reports – February 7, 1947-March 21, 1949
 Transfer Valve – June 11, 1948-February 28, 1951
 Redesign Of Knob #352305 – August 4, 1949-February 28, 1951

Box 10

Series II Measuring Systems

Instrument Theory

General (100/00) – February 2, 1955-December 28, 1956

Articles

General (100/05) – August 1944-December 1956

Force Balance

General (100/10) – March 2, 1950-May 8, 1956

Intrinsic Safety (100/20) – July 5, 1946-February 6, 1956

Block Diagram Analysis

Patent Department (103/02) – February 19, 1953

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

Articles

General (103/05) – April 1951-April 1953

A.S.M.E. (103/051) – July 18, 1951-August 5, 1952

Building Block Instrumentation

General (103/10) – April 5, 1951 – July 21, 1952

Electric (103/101/) – April 5, 1951- March 20, 1952

Pneumatic (103/102) – April 5, 1951-March 20, 1952

Telemetering Systems

General

General (104/00)

Patent Department

General (104/02)

Articles

General (104/05) – December 1947-November 1964

Bulletins

General (104/07) – October 24, 1950-May 1, 1957

Voltage Type

General (104/10) – September 1, 1938-April 23, 1953

Current Type

General (104/20) – December 15, 1947-April 7, 1952

Frequency & Pulse Rate Type

General (104-30) – May 4, 1950-October 29, 1954

Variable discriminator (104/301) – December 30, 1942-February 11, 1949

Pulse Duration Type

General (104/31) – May 1951-January 21, 1957

Development (104/311) – August 18, 1947-July 3, 1952

Pulse Count Type

General (104/32) – December 1934-November 10, 1952

Box 11

Pulse Code Type

General (104/33) – November 27, 1953-February 24, 1954

Ratio Type

General (104/40) – March 7, 1933-December 13, 1950

Inductance Bridge (104/401) – March 19, 1934-December 2, 1951

Cathode Ray (104/402) – June 1, 1943-September 15, 1944

Channel Equipment

General (104/50) – March 6, 1945-July 13, 1955

Pneumatic Type

General (104/60) – October 23, 1935-January 1959

Hydraulic Type

General (104/70) – March 2, 1942-March 22, 1943

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

Type K Thermocouple Embrittlement (117/30) – January 26-May 17, 1965

Photoelectric Pyrometry

Steel Bath Pyrometer

General (119/60) – February 12, 1947-September 28, 1951

Calibration Unit (119/61) – February 12, 1947-April 4, 1949

Product Quality Measurement

General (120/00) – June 20, 1950-March 1958

Articles

General (120/05) – February 1950-December 1956

Chromatography

General (120/10) – August 10, 1951-June 24, 1963

Gas (120/11) – July 15, 1955-March 1958

Density & Specific Gravity Measurement

General (121/00) – June 20, 1946-September 4, 1956

Patents (121/02) – May 5-June 29, 1955

Articles (121/05) – October 3, 1946-May 1956

Gases (121/10) – December 1933-June 15, 1954

Liquids (121/20) – March 1, 1928-September 23, 1955

Liquids-Instrumentation (121/201) – January 17, 1947-February 7, 1957

Transmitters, Displacement

General (121/21) – May 28, 1947-December 8, 1953

Food Industry (121/211) – April 12-May 16, 1952

Transmitters, Electric

General (121/25) – May 24, 1955-July 12, 1956

Applications (121/26) – December 13, 1955-August 22, 1956

Electro-Chemical Measurement

General (122/00) – December 18, 1945-April 2, 1954

Articles

General (122/05) – September 24, 1951-March 1958

Electrical Conductivity

General (122/10) – February 6, 1934-April 18, 1955

Electrical Conductivity Investigation (122/101) – April 1939-June 24, 1954 (1 of 2)

Box 12

Electrical Conductivity Investigation (122/101) – April 1939-June 24, 1954 (2 of 2)

Oxidation-Reduction Potential

General (122/20) – December 28, 1950-February 6, 1956

PH Measurement

General (122/30) – October 21, 1930-November 21, 1956

Special Systems (122/301) – July 5, 1939-December 13, 1956

Beckman (122/3011) – May 11, 1942-March 1955

Macbeth (122/3012) – February 18, 1946-May 4, 1951

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Ser II Measuring Systems

Burrell (Coleman) (122/3013) – January 10, 1938-October 31, 1947

Cambridge (122/3014) – May 26, 1948-November 16, 1955

Applications (122/309) – December 7, 1933-November 16, 1956
Pologrophy

General (122/40) – February 20, 1940-December 9, 1954

Dielectric Constant

General (122/50) – October 1949-December 18, 1958

Titration

General (122/60) – December 1948-July 1953

Optical Measurement

General (123/00) – November 16, 1932-January 23, 1957

Articles (123/05) – November 18, 1929-May 3, 1954

Desitometers (123/10) – September 20, 1949-May 23, 1957

Colorimetry (123/20) – May 15, 1930-January 7, 1958

Polarimeters (123/30) – April 8, 1949-September 17, 1954

Turbidity Meters (123/40) – April 4, 1931-July 2, 1956

Refractometers (123/50) – May 28, 1947-October 1956

Photometry

General (123/60) – September 1931-November 17, 1954

Smoke Density Meters

General (123/70) – December 2, 1930-February 20, 1948

Box 13

Design (123/701) – March 21, 1931-June 17, 1933

Viscosity Measurement

General (124/00) – September 2, 1936-June 1, 1956

Articles (124/05) – March 19, 1917-July 1958

Special Systems (124/10) – April 15, 1936-September 9, 1952

Bendix Aviation Corp. (124/101) – October 23, 1951-September 11, 1953

Brookfield Engineering Co. (124/102) – September 24, 1948-February 10, 1954

Dobbie-McInnes, Ltd. (Poise-Meter) (124/103) – July 20, 1949-May 23, 1951

Fischer & Porter Co. (124/104) – December 1, 1947-July 6, 1953

Scott Testers, Inc. (Mooney Viscometer) (124/105) – October 14, 1946-March 21, 1951

Norcross Corporation (124/106) – November 17, 1944-May 21, 1953

Spectroscopy

General (125/00) – September 11, 1942-October 4, 1955 (items OS-4)

Articles (125/05) – November 17, 1943-October 1953

Petroleum Industry (125/051) – January 22, 1942-November 1953

Diffraction (125/10) – May 12, 1944-April 1955

Emission (125/20) – March 1946-August 2, 1962

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Ser II Measuring Systems

X-Ray (125/30) – May 17, 1946-January 1957
Class 15 Receivers (125/311) – October 5, 1945-March 5, 1953

Box 14

Infrared

General (125/40) – March 1941-January 7, 1958
Spectrometers (125/401) – June 1941-January 1957
Analyzers (125/402) – July 30, 1948-June 10, 1958 (items OS-4)
Accessory Instrumentation (125/41) – November 18, 1954
Class 15 Receivers (125/411) – May 18, 1943-March 27, 1953
(items OS-4)
Ultraviolet (125/50) – August 16, 1943-June 11, 1953
Accessory Instrumentation (125/51) – January 25, 1951-January
29, 1954
Class 15 Receivers (125/511) – March 23, 1943-March 19, 1957
Visible Light (125/60) – October 1946-February 10, 1953
Mass (125/70) – May 13, 1942-April 1958 (items OS-4)
Accessory Instrumentation (125/71) – March 22, 1951-February
26, 1953
Class 15 Receivers (125/711) – June 24, 1943-June 5, 1953

Box 15

Raman (125/80) – May 12, 1944
Class 15 Receivers (125/811) – April 9, 1948
Nuclear Resonance (125/90) – March 1952-January 1958

Gas Analysis

General & Miscellaneous (126/00) – April 4, 1933-September 13, 1955
(items OS-4)
Class 15 Receivers (126/0011) – February 9, 1931-March 25, 1949
Articles (126/05) – 1915-April 1957
Combustible Gas Analysis (126/10) – April 22, 1937-September 4, 1953
Oxygen (126/11) – June 7, 1938-March 14, 1955
Hydrogen (126/12) – April 27, 1954-1955
Carbon Monoxide (126/13) – 1922-1952
Paramagnetic Gas Analysis
Oxygen (126/21) – March 27, 1944-March 14, 1955 (items OS-4)
Polarizing Cell Gas Analysis
Oxygen (126/31) – June 14, 1940-September 29, 1953
Thermal Conductivity Gas Analysis (126/40) – 1924-May 16, 1955
Analygraph
General (126/402) – April 21, 1937-April 22, 1946 (items OS-4)
Field Development (126/4021) – 1936-1939

Box 16

Application Data (126/4022) – November 13, 1928-July 15, 1943

CO₂ Meter
General (126/403) – July 12, 1927-July 9, 1951 (items OS-4)

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Ser II Measuring Systems

Design (126/4031) – 1930-February 9, 1944 (items OS-4)
Cells Design (126/40311) – March 21, 1924-October 25, 1944
Parts (126/4032) – October 19, 1926-February 9, 1944
Control Panels (126/40321) – July 29, 1931-March 12, 1941
Adapters, A.C. (126/40322) – April 28, 1932-May 9, 1940
Filters (126/40323) – December 20, 1928-February 14, 1947
Aspirators, Fans, Pumps, and Blowers (126/40324) – March 12,
1924-October 25, 1944 (items OS-4)
Condensers & Dryers (126/40325) – November 30, 1928-December
9, 1946
Flow Gauges and Exit Seals (126/40326) – February 12, 1932-
December 2, 1941
Sampling Line, Sampling Tube, and Manifold (126/40327) –
November 12, 1926-January 14, 1942 (items OS-4)
Application Data (126/4033) – April 14, 1924-August 1, 1941 (1
of 2)

Box 17

Application Data (126/4033) – April 14, 1924-August 1, 1941 (2
of 2)
Thermal Conductivity Gas Analysis
Sulfur Dioxide (126/41) – January 6, 1925-April 7, 1938 (items
OS-3)
Hydrogen (126/42) – August 30, 1937-February 1, 1943
Oxygen Recorders
Sampling & Cleaning (126/501) – August 11, 1948-October 15,
1954 (items OS-4)
Chromatography
General (126/70) – September 23, 1955
Application Data (126/98) – July 15, 1924-February 7, 1957

Flame Analysis

Bulletins

General (131/07) – 1931

Flame Analyzer

General (131/20) – April 21, 1943

Design (131/202) – February 9, 1931

Testing (131/206) – April 15, 1930-January 28, 1931

Applications (131/208) – November 19, 1930-December 12, 1932

Service (131/209) – 1932-1933

Speed Measurement

Patent Department

General (132/02) – May 21, 1935

Articles

General (132/05) – June 1938-November 29, 1955

Bulletins

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Ser II Measuring Systems

General (132/07) – April 15, 1953

Tachometers

General (132/10) – January 7, 1944

Design (132/102) – December 19, 1939-April 16, 1951

Testing (132/106) – January 11, 1926-March 22, 1950

Applications (132/108) – February 3, 1938-May 2, 1955

Service (132/109) – January 9, 1932-May 28, 1948

Drives

General (132/21) – May 3, 1928-October 1, 1937

Generators

General (132/22) – February 29, 1940-February 13, 1953

Thickness Gages

General (133/00) – March 3, 1953-July 9, 1958

Articles (133/05) – nd

Mechanical (133/10) – October 15, 1936-August 2, 1950

Air Nozzle (133/20) – January 1948-June 6, 1951

Radiation

General (133/50) – January 11, 1956

Beta Ray (133/501) – December 20, 1948-April 30, 1954

X-Ray (133/502) – May 26-July 21, 1949

Ultrasonic (133/60) – July 1951

Moisture Measurement

General (134/00) – April 15, 1930-July 21, 1955

Articles (134/05) – June 1933-December 17, 1956

Bulletins (134/07) – January 6, 1937-August 15, 1953

Electric Resistance Type

Electric Hygrometers (134/101) – February 1, 1930-October 18, 1957

Electronic Hygrometer Element – November 17, 1952-October 5, 1959

Electronic Hygrometer Sensing Elements (134/1011) – April 8, 1946-January 7, 1957

Box 18

M-H (134/10111) – September 28, 1950-May 20, 1958

Radiosonde (134/10112) – October 11, 1937-February 21, 1946

Electronic Hygrometers Circuit Design (134/1012) – January 30, 1930-April 10, 1951

Electronic Hygrometers Recorders Class 15 (134/1013) – August 27, 1947-February 24, 1954 (items OS-3)

Electronic Hygrometers Aspirator Boxes (134/1014) – May 15, 1951-September 18, 1952

Wet-Dry Bulb Type

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

General (134/20) – February 7, 1933-December 4, 1951
Psychrometers (134/201) – April 17, 1924-February 13, 1952
Types-Sling (134/20111) – December 4, 1931-May 3, 1945
Types-Spray (134/20112) – October 12, 1936-March 23,
1944
Accessories (134/2012) – September 17, 1924-October 12,
1955
Wicks (134/20121) – December 15, 1926-
September 6, 1951
M-H Assembly (134/20122) – December 4, 1935-
July 2, 1942
Fan Assembly (134/20123) – January 30, 1929-
March 3, 1954 (items OS-4)
Tables (134/2013) – July 1929-August 3, 1951

Dew Point Measurement (134/30) – December 19, 1945-February 1955
Dew Point Mirror Surface (134/31) – October 1933-January 13, 1949
Dew Point Deaton Recorders (134/33) – March 18, 1949-July 16, 1953
Mechanical Types

General (134/40) – December 9, 1936-October 13, 1952
Hygrometers, Hair (134/401) – May 6, 1932-February 17, 1950
Calibration & Tests (134/4012) – October 31, 1933-
December 23, 1948
Service (134/4013) – September 7, 1945-June 3, 1949
Hygrometer, Animal Membrane Elements (134/4021) – March 15,
1950-June 7, 1954

Gravimetric Types (134/50) – October 12, 1934-September 6, 1940
Absorption Types (134/60) – January 19-February 3, 1954

Moist-o-graph

General (135/00) – February 28, 1936-November 9, 1954
Patent Data (135/04) – August 3, 1938-March 3, 1953
Articles (135/05) – June 10, 1942-September 1955
Bulletins (135/07) – May 1937-December 14, 1950
Spec. Sheets (Q & A) (135/08) – December 17, 1941-January 31, 1949

Box 19

Detector Elements

General (135/10) – April 17, 1951-August 6, 1953
Detector Rolls (135/101) – February 10, 1941-January 19, 1956
D. Rolls Redesign Paper (135/1011) – October 25, 1949-
November 13, 1952

Power Unit Class 11 (135/20) – November 28, 1938-September 29, 1953

Triple Range Selector Switch Class 11 (135/201) – April 22, 1946-September 28, 1953
Cables (135/26) – March 8, 1939-April 8, 1947

Switches

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

Multipoint (Detector Rolls) (135/28) – June 5, 1939-March 11, 1942
Slasher (135/29) – January 12, 1939-March 2, 1945
Transmitter Class 15 (135/30) – August 3, 1949-August 16, 1955
Triple Range Selector Switch Class 15 (135/301) – June 30, 1953
Multi-Range Selector Switch Class 15 (135/302) – December 13, 1949-December 23, 1952
System Data Class 11 (135/60) – January 9, 1939-January 16, 1946
System Data Class 15 (135/601) – 1947-1950
Textile MOG General Development (135/61) – January 21, 1938-June 12, 1950 (items OS-4)
Textiles General Development (135/611) – January 12, 1948-February 3, 1956
Cotton MOG (135/62) – March 25, 1938-December 9, 1955
Rayon MOG (135/64) – February 1, 1939-November 28, 1951
Wool MOG (135/65) – October 20, 1939-August 31, 1954
Paper MOG (135/66) – January 8, 1936-February 29, 1956
Development (135/661) – 1936-1940 (1 of 3)

Box 20

Development (135/661) – 1936-1940
Development (135/662) – 1947-1950
Instrument Modification (135/70) – December 8, 1937-December 20, 1946
(135/702) 1939-1942
(135/703) 1943-1947
(135/704) 1947-1950
Instructions (135/80) – May 11, 1950-January 29, 1953
Wiring Diagrams (135/81) – August 25, 1938, June 22, 1954
Sales Data (135/90) – August 24, 1937-December 20, 1956
Service Data (135/96) – March 4, 1938-September 21, 1953
Paper (135/961) – August 22, 1944-April 1955
Application Data (135/98) – March 13, 1939-February 10, 1956
Field Test Of Paper MOG At N. Y. State School (135/981) – May 31, 1939-March 14, 1945
Field Test Of Paper MOG At Carthage Paper Makers (135/982) – June 9, 1939-February 29, 1945 (items OS-4)
Field Test Of Wool MOG At J. Hunter & Sons (135/983) – August 4, 1939-March 29, 1945
Field Test Of Paper MOG At Container Corp. (135/984) – December 30, 1936-February 17, 1942
Paper Coating Machine (135/985) – December 18, 1946-June 26, 1952
Paper
Paper Miscellaneous (135/9850) – February 20, 1946-September 22, 1955

Box 21

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

Board Paper (135/9851) – August 28, 1946-June 11, 1953
Book Paper (135/9852) – September 19, 1946-September
26, 1955
Newsprint (135/9853) – June 8, 1948-October 12, 1954
Tissue Paper (135/9854) – October 3, 1946-September 12,
1947
Wrapping Paper (135/9855) – May 18, 1948

Temperature Measurement

General (140/00) – July 5, 1945-March 8, 1954
Patent Department (140/02) – January 31, 1950-August 20, 1954
Articles (140/05) – December 1929-July 10, 1959
Bulletins (140/07) – March 11, 1943-April 8, 1952
Low
General (140/10) – April 2, 1943-February 10, 1954
Articles (140/101) – February 2, 1950
Calorimetry
General (140/20) – March 6, 1939-July 20, 1956
Articles (140/201) – December 1918-December 1955

Resistance Thermometers

General (141/00) – September 22, 1942-June 27, 1963
Patent Department (141/02) – February 4, 1924-February 8, 1955
Articles (141/05) – May 23, 1907-May 28, 1954
Bulletins (141/07) – February 2, 1938-November 17, 1954
Bulb Elements
General (141/10) – October 19, 1939-April 29, 1955
Copper (141/101) – November 7, 1925-August 29, 1947
Nickel (141/102) – July 23, 1935-May 6, 1955
Commercial (141/1021) – December 31, 1945-November
25, 1946
High Speed (141/1022) – March 17, 1947-November 27,
1961
High Temperature (141/1023) – May 18, 1950-January 17,
1962
Sub Zero Temperature (141/1024) – May 26, 1949-April
23, 1952 (1 of 2)

Box 22

Sub Zero Temperature (141/1024) – May 26, 1949-April
23, 1952
Resistance Tests (141/1025) – June 12, 1931-May 28, 1954
Platinum (141/103) – December 15, 1931-October 1966
Obsolete (141/104) – November 20, 1931-June 22, 1932
Bulb Assemblies
General (141/20) – July 17, 1936-September 26, 1955
A. E. C. (141/201) – June 26, 1953-October 14, 1954

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

- Dairy Type (141/202) – July 7, 1931-September 19, 1952
- Industrial (141/203) – November 3, 1937-April 13, 1959
- Navy (141/204) – September 23, 1936-April 17, 1952
- Room Temperature (141/205) – May 8, 1936-June 9, 1949
- Air Craft (141/206) – October 14, 1937-September 22, 1942
- Body Temperature (141/207) – October 27, 1932-March 29, 1949
- Weather Bureau (141/208) – November 29, 1939
- Special-Miscellaneous (141/209) – April 7, 1936-April 11, 1950
- Speed of Response (141/30) – February 29, 1952-February 19, 1962
- Testing Apparatus (141/40) – July 23, 1948-September 13, 1949
- Calibrations (141/50) – May 3, 1929-August 1, 1963
- Deflection Bridge Circuit
 - General (141/60) – August 5, 1937-February 4, 1958
 - Navy Type (141/601) – September 10, 1937-November 3, 1944
(items OS-4)
 - Model 9001, 9003, 9090 (141/602) – April 8, 1935-August 1, 1939
- Balanced Wheatstone Bridge
 - General (141/61) – April 10, 1942-February 4, 1958
 - A. C. Bridge (141/611) – September 17, 1942-March 12, 1947
 - A. C. Rectified Bridge (141/612) – March 9, 1949-July 31, 1951
 - D. C. Bridge (141/613) – February 11, 1924-February 1, 1929
 - Circuit Theory (141/6131) – January 24, 1928-March 3, 1942
 - Model 9100,9109 (141/6133) – January 15, 1926-December 1, 1938
- Instrument Modification (141/70) – March 29, 1932-November 9, 1953
- Instrument Components
 - Galvanometers (141/801) – June 12, 1929-August 9, 1940
 - Power Supplies (141/802) – October 16, 1933-March 3, 1949
 - Rectifiers (141/803) – March 9, 1933-October 11, 1944
 - Slide Wires (141/804) – September 12, 1933-February 23, 1943
 - Standardizing Panels (141/805) – July 19, 1928-June 26, 1942
 - Switches (141/806) – January 5, 1934-March 24, 1952
- Sales & Service (141/95) – March 8, 1937-February 4, 1958
- Manufacturing & Cost Data (141/96) – March 13, 1951-February 12, 1957
- Applications
 - General (141/98) – July 28, 1933-April 11, 1962

Box 23

- Differential Type (141/981) – July 22, 1927-September 17, 1954
- Modutrol System (141/982) – February 6, 1932-July 30, 1942

Thermistors

- Testing (142/60) – March 1941-August 16, 1956
- Applications (142/80) – September 22, 1947-November 15, 1955

Photoelectric Pyrometry

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Ser II Measuring Systems

Articles (143/05) – December 1931-August 1956
Bulletins (143/07) – October 23, 1936-January 1940
Optimatic Theory & Early Development (143/10) – December 28, 1934-January 18, 1938
Ratio Radiation Theory (143/11) – January 22, 1943-November 4, 1953
Optimatic Eye Design (143/15) – February 11, 1936-October 29, 1940
Optimatic Recorders (143/21) – August 13, 1936-September 26, 1938
Optimatic Indicators (143/22) – August 21, 1936-January 7, 1937 (items OS-2)
Optimatic Calibration (143/30) – February 27, 1934-July 18, 1941
Optimatic Charts & Scales (143/31) – May 19, 1936-January 25, 1939
Optimatic Power Units (143/40) – December 26, 1934-July 18, 1940
Optimatic Relays (143/50) – May 8, 1935-July 8, 1936
Optimatic Timers (143/51) – March 26, 1936-June 22, 1938
Optimatic Switches (143/52) – March 29, 1934-January 6, 1936
Optimatic Tubes (143/53) – March 3, 1937
Optimatic Wiring (143/70) – December 19, 1934-August 3, 1936
Optimatic Service (143/96) – October 13, 1936-July 27, 1953
Optimatic Applications (143/98) – December 3, 1934-September 26, 1952

Radiation Pyrometry

Patent Department (144/02) – May 12, 1943-November 23, 1956
Articles (144/05) – 1916-July 23, 1958 (1 of 2)

Box 24

Articles (144/05) – 1916-July 23, 1958
Bulletins (144/07) – September 15, 1936-April 24, 1952
Theory (144/10) – June 22, 1934-September 9, 1955
Emissivity (144/11) – October 1949-August 17, 1956
Radiamatic Systems
General (144/20) – December 31, 1941-October 12, 1956
Testing (144/21) – November 15, 1932-April 5, 1956
Calibration
General (144/22) – June 17, 1937-March 1955
Accuracy (144/221) – March 25, 1940-April 3, 1957
Standards (144/222) – August 22, 1941-December 13, 1950
Narrow Angle (144/30) – January 25, 1940-May 26, 1955
Wide Angle (144/31) – February 26, 1941-November 2, 1955
High Range (144/32) – September 9-October 10, 1955
Low Range
General (144/33) – April 8, 1941-November 14, 1962
(items OS-3)
DuPont & Firestone (144/331) – May 17, 1950-October 1, 1952
Small Target (144/34) – April 18, 1947-January 20, 1955
Low Intermediate (144/35) – May 11, 1951-September 6, 1955
Intermediate (144/36) – January 2, 1948-June 30, 1953
High Speed (144/38) – September 26, 1952-August 1, 1955

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

Emmittance Free (144/39) – February 19, 1952-November 19, 1956

Miniature (144/37) – July 17, 1950-June 4, 1957

Sapphire Rod (144/40) – April 16, 1952-September 19, 1969

Pressure Type Pyrometer (144/50) – December 21, 1929-June 13, 1945

Box 25

Bolometer Type Pyrometer (144/55) – September 6, 1943-April 13, 1948

Parts (144/70) – November 13, 1940-November 2, 1955

Housings (144/71) – October 19, 1939-May 20, 1948

Lenses & Assemblies (144/72) – June 4, 1940-April 4, 1956

Thermopiles & Assemblies (144/73) – October 28, 1941-October 20, 1954

Accessories (144/80) – July 25, 1940-January 5, 1955

Rheostats, Calibrating (144/81) – June 22, 1942-October 5, 1955

Target Tubes

General (144/82) – August 8, 1939-September 10, 1956

Ceramic (144/821) – October 18, 1939-May 15, 1951

Silica Carbide (144/8211) – November 24, 1936-December 17, 1952

Metallic (144/822) – June 18, 1940-October 21, 1948

Sales Data (144/90) – August 23, 1940-April 26, 1956

Service & Failures (144/91) – February 4, 1942-June 13, 1955

Radiamatic Applications

Narrow Angle (144/980) – June 1, 1942-May 23, 1955

Wide Angle (144/981) – November 23, 1942

High Range (144/982) – August 10, 1944-July 9, 1954

Low Range (144/983) – June 3, 1940-June 14, 1956

Small Target (144/984) – August 20, 1947-July 23, 1956

Low Intermediate (144/985) – April 10, 1944-May 8, 1956

Intermediate (144/986) – October 17, 1951-April 16, 1953

Miniature (144/987) – November 15, 1949-April 3, 1957

High Speed (144/988) – January 9, 1955-July 18, 1957

Emittance Free (144/989) – May 27, 1954-May 11, 1956

Sapphire Rod (144/990) – July 8, 1954-June 28, 1956

Thermocouples

General (146/00) – January 12, 1953-January 10, 1964

Temperature EMF Tables (146/01) – October 18, 1948-March 29, 1962

Smoothed Thermocouple Tables Of Extended Significance Vol. 2 Sections 2.1-2.14 –
March 1965

Patent Department (146/02) – September 15, 1941-November 29, 1956

Box 26

Articles

General (146/05) – April 15, 1913-February 19, 1958

Specific Types (146/051) – March 1919-January 10, 1957

Specific Applications (146/052) – May 1925-September 24, 1954

Speed Of Response (146/053) – November 1931, May 6, 1952

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

- Bulletins (146/07) – 1932-September 10, 1954
 - Catalogues (146/08) – September 30, 1941-May 21, 1946
 - Standard Type
 - General (146/10) – September 25, 1941-August 11, 1949
 - Manufacturing (146/103) – March 30, 1929-August 29, 1952
 - Welding (146/1032) – August 12, 1942-February 19, 1964
 - Specs & Standards (146/104) – March 11, 1947-May 2, 1958
 - Testing (146/106) – November 21, 1928-August 15, 1952
 - Calibration (146/1061) – February 4, 1932-January 12, 1965
 - Speed of Response (146/1062) – September 26, 1945-July 9, 1964
 - Stability (146/1063) – 1963-1965
 - Vibration Test (146/1065) – September 1961
 - Applications (146/108) – August 31, 1945-December 16, 1963
 - Sub-Zero (146/1081) – September 24, 1941-May 8, 1953
 - Service (146/109) – February 13, 1945-December 12, 1955
 - Angle Type (146/20) – November 24, 1943-February 5, 1952
 - Molten Steel Thermocouples (146/21) – June 29, 1953-April 29, 1959
 - Aspirating Type (146/22) – November 3, 1931-July 1954
 - Molten Brass T/C (146/23) – June 13, 1960-November 21, 1961
 - Averaging Type (146/24) – August 25, 1932-September 19, 1961
 - Spring Loaded Type (146/25) – July 14, 1964
 - Deflores 3 Junction (146/30) – March 10, 1931-March 14, 1944
 - Differential Type (146/34) – March 27, 1941-February 16, 1955
 - Linear Output (146/36) – April 18, 1958
 - Engine Type
 - General (146/38) – March 21, 1951-December 1962
 - Diesel (146/381) – March 16, 1934-May 12, 1961 (1 of 2)
- Box 27
- Diesel (146/381) – March 16, 1934-May 12, 1961
 - Rivet Type (146/3811) – December 4, 1941-December 1, 1944
 - Spark Plug (146/3812) – February 16, 1933-October 23, 1952
 - Temperature Sensing Elements for Aircraft Gas Turbines: A Design Study – March 30, 1949 (OS-2)
 - Gas Turbine (146/382) – November 8, 1946-May 4, 1959
 - Aircraft Industries (146/3821) – October 30, 1946-October 17, 1949
 - NBS (146/3822) – January 5, 1946-October 26, 1950
 - Jet & Rocket (146/383) – May 3, 1945-October 10, 1956
 - J-Box Type (146/40) – August 27, 1946-March 27, 1953
- Compacted Mineral Oxide
 - General (146/45) – December 1, 1954-August 25, 1964

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

Insulation Resistance (146/451) – June 20, 1963
Specifications (146/458) – 1964
Competitive (146/459) – June 15, 1962-July 8, 1964

Pencil Type

General (146/50) – October 28, 1935-September 29, 1961
Testing (146/506) – November 13, 1934-December 26, 1950
Tubing (146/507) – April 27, 1932-May 19, 1961

Surface Type

General (146/55) – November 14, 1929-March 28, 1972
Roll Temperature (146/551) – October 1930-August 2, 1955
Tube Temperature (146/552) – August 15, 1939-July 30, 1953

Two Wire Type

Tube Temperature (146/57) – February 22, 1952-November 13, 1957

Vacuum Type (146/59) – July 15, 1921-October 18, 1948

High Temperature Type

General (146/60) – March 5, 1958-June 25, 1964
Compatibility Of Materials (146/601) – July 15, 1960-April 1964

Cryogenic Thermocouple Sensors (146/70) – March 3, 1961

Box 28

Parts (146/80) – April 19, 1967

Connectors (146/81) – October 16, 1941-September 1964

Insulators

General (146/82) – December 16, 1932-May 16, 1961
Magnesium Oxide (146/823) – June 13, 1962
Beryllium Oxide (146/824) – June 28, 1961
Health Hazards Of Beryllium and Thoria Oxide (146/827) – July 7, 1959-January 15, 1960

Flanges (146/83) – December 31, 1941-July 6, 1953

Nameplates (146/84) – April 27, 1942-May 11, 1944

Terminal Heads

General (146/85) – October 29, 1963
'30-'39 (146/851) – March 16, 1928-April 26, 1940
'40-'44 (146/852) – March 18, 1942-July 24, 1945
'45-'49 (146/853) – October 19, 1944-August 22, 1949
'50-'54 (146/854) – March 19, 1951-May 20, 1954
'55-'59 (146/855) – April 19-26, 1955
'60-'65 (146/856) – April 10, 1959-April 25, 1962

Space Applications (146/90) – July 15, 1962-October 1964

Thermocouple Wire

General (147/00) – April 21, 1933-December 6, 1962
Patent Department (147/02) – June 14, 1945-February 26, 1962
Articles (147/05) – September 21, 1932-February 21, 1956
Bulletins (147/07) – August 27, 1931-September 6, 1955
Alumel (147/10) – October 4, 1939

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Bismuth (147/11) – June 1952
Chromel (147/12) – June 5, 1940
Cobalt (147/13) – nd
Copper (147/14) – January 20, 1941-October 12, 1960
Constantan (147/15) – September 20, 1938-October 28, 1964
Iron (147/16) – January 27, 1939-October 30, 1964
Platinum (147/17) – September 2, 1925-January 16, 1959
Rhodium (147/18) – March 10, 1938
Steel (147/19) – July 15, 1937-December 29, 1949
Molybdenum (147/20) – November 1956-October 1960
Rhenium (147/21) – March 1, 1956
Tungsten (147/22) – July 29, 1957-February 23, 1962
Tungsten/26% Rhenium (147/23) – nd
Chromel-Alumel
 General (147/30) – February 1940-September 7, 1965 (1 of 2)

Box 29

 General (147/30) – February 1940-September 7, 1965
 Articles (147/301) – March 1935-1963
 Curves & Tables (147/302) – October 25, 1932-April 20, 1955
 (items OS Map Drawer)
 Failures (147/303) – April 26, 1932-October 20, 1964
Chromel-Constantan
 General (147/31) – December 22, 1922-March 3, 1961
 Curves & Tables (147/312) – November 2, 1931-December 2,
 1964
Chromel-Platinum (147/32) – February 21, 1940
Chromel-Steel (147/33) – September 9, 1932-February 14, 1952
Copper-Constantan
 General (147/40) – May 10, 1932-January 2, 1953
 Curves & Tables (147/402) – January 13, 1928-March 15, 1957
Graphite-Tungsten (147/45) – December 23, 1930-1948
Iridium-Rhodium (147/48) – November 22, 1948-October 24, 1968
Iron-Alumel (147/50) – April 10, 1931-December 27, 1934
Iron-Constantan
 General (147/51) – November 2, 1945-September 26, 1968
 Curves & Tables (147/512) – January 20, 1942-September 15,
 1958
 History (147/5181) – 1927-1937
 (147/5182) – 1938

Box 30

 (147/5183) – 1939-1940
 (147/5184) – 1941-1942
 Curves & Tables History (147/5191) – January 21, 1937-
 November 27, 1942
Nickel-Chromium (147/55) – February 5, 1930
Nickel-Nickel Molybdenum (147/56) – July 10, 1940-September 1, 1959

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- Platinum-Platinum Iridium (147/59) – October 9, 1931
 - Platinum-Platinum Rhodium
 - General (147/60) – December 8, 1939-March 6, 1969
 - Articles (147/601) – October 1933-January 25, 1965
 - Curves & Tables (147/602) – January 19, 1926-December 7, 1962
 - Pt/30 vs. Pt/6 Rhodium
 - General (147/61) – July 22, 1955-June 8, 1964
 - Articles (147/611) – nd
 - Curves & Tables (147/612) – October 6, 1960-April 11, 1966
 - Pt/40 vs. Pt/20% Rhodium
 - General (147/62) – December 14, 1962
 - Articles (147/621) – August 6, 1965
 - Curves & Tables (147/622) – December 11, 1962
 - Pt/5% vs. Pt/.1% Molybdenum (147/63) – January 4, 1962-December 1963
 - Steel-Constantan (147/65) – May 23, 1940-September 11, 1941
 - Platinel (147/66) – May 28, 1964
 - W-W 26% Re
 - General (147/72) – May 18, 1961-December 9, 1965
 - Articles (174/721) – July 1961-October 12, 1964
 - Curves & Tables (147/722) – November 8, 1961-November 29, 1963
 - W 5% Re vs. W 26% Re
 - General (147/73) – April 1, 1962-August 11, 1967
 - Curves & Tables (147/732) – June 21-September 21, 1962
 - W 3% Re vs. W 25% Re (147/74) – January 22, 1962-November 29, 1967
 - Extension Wire
 - General (147/80) – January 26, 1927-March 7, 1960
 - Chrome-Alumel (147/801) – July 27, 1945-March 20, 1961
 - Chromel-Steel (147/802) – July 16, 1936-October 25, 1948
 - Copper-Constantan (147/803) – July 17, 1935-December 30, 1952
 - Copper-Copper Nickel (147/804) – July 30, 1946-December 23, 1964
 - Iron-Constantan (147/805) – December 5, 1941-December 5, 1950
 - Iron-Cupronel (147/806) – June 26, 1941-July 27, 1966
 - Extension Color Coding (147/81) – July 28, 1939-February 27, 1951
 - Extension Specs & Standards (147/82) – September 19, 1944-April 5, 1951
- Box 31
- Extension Insulation
 - General (147/90) – July 21, 1947-May 6, 1965
 - Asbestos (147/901) – May 31, 1932-July 11, 1961
 - Glass (147/902) – December 22, 1941-March 2, 1967
 - Lead (147/903) – June 13, 1938-March 4, 1946
 - Rubber (147/904) – September 30, 1943-December 20, 1951
 - Plastic (147/905) – June 7, 1944-February 11, 1964
 - Sales Policies (147/95) – May 2, 1933-March 18, 1955

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Thermocouple Accessories

- General (148/00) – March 1, 1965
- Patent Department (148/02) – May 29, 1940-November 12, 1942
- Bulletins (148/07) – August 13, 1942-January 26, 1950
- Switches, Rotary (148/10) – May 20, 1936-April 1, 1959
- Switches, Key
 - General (148/12) – December 12, 1934-December 2, 1954
 - Assemblies (148/121) – August 30, 1933-January 10, 1955 (items OS-4)
- Switches, Plug (148/14) – November 24, 1937-June 4, 1952
- Switches, Push Button (148/16) – April 21, 1942-August 16, 1956
- Calibration Boxes (148/30) – June 9, 1932
- Distribution Boxes (148/32) – October 8, 1925-April 11, 1931
- Protecting Tubes (148/33) – October 18, 1929-April 29, 1959
- Rings (148/34) – September 9, 1938-June 17, 1941
- Terminal Tubes (148/36) – September 18, 1942-December 23, 1943

Thermometers

- General (150/00) – January 31, 1952-January 10, 1959
- Patent Department (150/02) – December 3, 1937-August 3, 1954
- Articles (150/05) – September 7, 1932-November 1954

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- Bulletins (150/07) – December 11, 1935-June 11, 1953
- Manufacturing
 - General (150/10) – November 28, 1939-May 12, 1952
 - Cost Data (150/101) – December 18, 1945-December 5, 1952
 - Materials (150/102) – February 24, 1941-June 4, 1945
 - Aging (150/103) – January 6, 1942-May 16, 1946
- Bulb Assemblies (150/20) – September 27, 1939-June 4, 1952
- Bulb Assemblies, Liquid
 - General (150/21) – February 3, 1942-August 12, 1947
 - Theory (150/211) – November 4, 1935
 - Fill (150/213) – July 14, 1932-March 4, 1952
- Bulb Assemblies, Vapor
 - Theory (150/221) – August 24, 1944-February 19, 1945
 - Design (150/222) – June 17, 1938-August 17, 1955
 - Fill (150/223) – 1916-January 4, 1949
 - Testing (150/226) – July 15, 1933-October 24, 1940
 - Calibration (150/2261) – August 27, 1935-January 24, 1947
 - Overload (150/2262) – July 12, 1934-June 15, 1944
 - Ambient Temperature (150/2263) – November 27, 1936-May 10, 1945
 - Compensation (150/227) – August 13, 1936-April 4, 1944
 - Applications (150/228) – June 21, 1938-September 18, 1952

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Calender Roll (150/2281) – September 26, 1930-October 11, 1932

Dairy (150/2282) – May 4, 1939-April 27, 1949

Dial (150/2283) – February 23-November 20, 1934

Dual Fill (150/2284) – October 19, 1938-March 19, 1952

Sac (150/22841) – November 23, 1949-January 27, 1953

Bulb Assemblies, Gas

General (150/23) – 1954

Theory (150/231) – October 9, 1931-February 15, 1944

Design (150/232) – May 21, 1930-March 12, 1945

Fill (150/233) – May 22-August 18, 1944

Testing (150/236) – November 20, 1933-May 28, 1945

Calibration (150/2361) – October 24, 1939-April 14, 1949

Overload (150/2362) – October 23, 1935

Ambient Temperature (150/2363) – May 18, 1937-April 5, 1940

Applications (150/238) – December 23, 1937-January 10, 1952

Bulb Assemblies, Mercury

Design (150/242) – April, 14, 1932-September 20, 1938

Fill (150/243) – April 1, 1937-January 15, 1946

Testing (150/246) – June 20, 1933-February 5, 1952

Calibration (150/2461) – November 1, 1938-June 23, 1950

Ambient Temperature (150/2363) – November 19, 1935-April 1, 1948

Overload (150/2462) – October 23, 1935

Head Effect (150/2464) – June 8, 1938-July 12, 1954

Compensation (150/247) – December 21, 1937-September 4, 1946

Applications (150/248) – October 15, 1940-November 27, 1953

Dairy (150/2481) – January 15, 1934-June 10, 1949

Differential (150/2482) – April 11, 1940-November 1921

Refrigerated Truck (150/2483) – July 5, 1950-December 8, 1952

Sealed Piston (150/2484) – June 4-August 2, 1951

Self-Contained (150/2485) – August 22, 1933-November 2, 1942

Sign Board (150/2486) – May 9, 1934-July 15, 1953

Speed Of Response

General (150/50) – July 22, 1938-November 14, 1952

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Articles (150/501) – January 10, 1941-November 1, 1955

Parts (150/60) – December 16, 1937-April 18, 1956

Extension Necks (150/61) – February 20, 1940-March 28, 1946

Filling Connectors (150/62) – June 14, 1949-August 25, 1955

Fittings (150/63) – December 8, 1937-January 31, 1947

Inserts (150/64) – January 4, 1939-July 13, 1950

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Tubing, Capillary (150/66) – January 5, 1933-September 9, 1955
Service

General (150/95) – January 27, 1943-August 23, 1945

Vapor Filled (150/952) – August 28, 1941-September 10, 1948

Gas Filled (150/953) – November 20, 1939-January 30, 1945

Mercury Filled (150/954) – December 5, 1955-November 19, 1936

Temperature Controllers, Indicating

General (151/00) – March 21, 1952-September 1955

Patents (151/02) – June 12, 1951-February 8, 1952

Design (151/20) – October 1, 1948-May 18, 1953

Testing (151/204) – November 8, 1950-February 12, 1953

Manufacturing (151/205) – January 15-August 18, 1952

Manufacturing-Cost Data (151/206) – November 15, 1948-May 13, 1953

Manufacturing-Specs & Standards (151/207) – August 10, 1950-June 4, 1952

Competitive Surveys (151/208) – July 21, 1949-November 18, 1953

Temperature Transmitters

General (158-00) – September 4, 1947-August 15, 1949

Pressure Measurement

General (160/00) – December 28, 1936-January 27, 1942

Articles (160/05) – February 1949-December 1956

Sealing Problems (160/40) – March 22, 1939-March 17, 1953

Pressure Elements

General (161/00) – January 18, 1940-October 22, 1947

Patent Department (161/02) – February 1, 1944-September 7, 1954

Articles (161/05) – April 1933-June 14, 1956

Bulletins (161/07) – May 27, 1949

Bourdon: Theory (161/11) – August 28, 1936-January 21, 1957

Bourdon: Testing (161/16) – February 14, 1950

Spiral: Theory (161/21) – April 16, 1937-January 17, 1938

Spiral: Design

General (161/22) – October 16, 1940-January 11, 1949

Tubing (161/221) – October 22, 1937-September 27, 1949

Brackets (161/222) – March 3, 1948-September 8, 1949

Spiral: Cost & Manufacturing (161/23) – October 24, 1940-July 14, 1948

Spiral: Testing

General (161/26) – June 23, 1937-July 27, 1953

Calibration (161/261) – October 24, 1938-November 18, 1952

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Overload (161/262) – December 20, 1938-November 6, 1953

Temperature Compensation (161/263) – August 24, 1938

Spiral: Service (161/29) – October 27, 1941-November 14, 1952

Helices: Theory (161/31) – January 23, 1935

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Helices: Design

General (161/32) – June 9, 1933-September 5, 1950

Brackets (161/322) – June 26, 1942-June 22, 1944

Helices: Cost & Manufacturing (161/33) – December 7, 1936-February 29, 1952

Helices: Testing (161/36) – November 19, 1931-November 15, 1951

Helices: Service (161/39) – November 26, 1937-April 15, 1953

Bellows (Element) (161/40) – February 22, 1955

Bellows: Theory (161/41) – January 1954

Bellows: Design (161/42) – August 15, 1943-April 16, 1946

Bellows: Testing

General (161/46) – May 11, 1938-March 22, 1955

Overload (161/462) – November 1, 1938-April 4, 1945

Corrosion (161/464) – September 15, 1937-August 19, 1948

Bellows: Service (161/49) – January 17, 1949-November 12, 1952

Diaphragms, Nonmetallic (161/50) – January 14, 1938-June 29, 1939

Diaphragms, Nonmetallic: Reports (161/51) – December 1940

Diaphragms, Nonmetallic: Design (161/52) – March 31, 1938

February 27, 1952

Diaphragms, Nonmetallic: Testing (161/56) – March 8, 1938-July 5, 1950

Diaphragms, Metallic: Testing (161/66) – October 5, 1934-June 19, 1941

Pressure Gages

General (162/00) – July 10, 1934-January 15, 1943

Patent Department (162/02) – November 13, 1939-January 15, 1957

Articles (162/05) – April 1, 1946-March 18, 1955

Bulletins (162/07) – July 15, 1938-May 12, 1952

Bourdon

General (162/10) – July 9, 1940

Theory (162/101) – November 28, 1933-January 29, 1949

Design (162/102) – May 19, 1938-October 10, 1940

Testing

General (162/106) – April 17, 1940-December 2, 1955

Manning, Maxwell, & Moor (162/106-MA) – November
12, 1947-September 11, 1953

Marsh Co. (162/106-MA) – September 17, 1937-February
22, 1949

U.S. Gauge Division (162/106-UN) – April 23, 1951-
January 3, 1952

Service (162/109) – October 1, 1945-September 13, 1951

Spiral

Design (162/202) – June 29, 1937

Cost & Manufacturing (162/203) – November 25, 1941-July 28,
1955

Testing (162/206) – March 15, 1934-August 1955

Applications (162/208) – November 3, 1939-February 18, 1948

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Service (162/209) – August 24, 1939-December 10, 1954

Bellows

Theory (162/301) – July 12, 1950

Design (162/302) – June 9, 1943-August 12, 1948

5-50" H₂O (162/3021) – October 13, 1942-February 3, 1944

100" H₂O-15 PSI (162/3022) – August 4, 1941-October 31, 1946

Cost & Manufacturing (162/303) – January 28, 1943-June 3, 1949

Testing (162/306) – August 30, 1940-April 11, 1950

5-50" H₂O (162/3061) – May 26, 1942-May 25, 1944

100" H₂O-15 PSI (162/3062) – October 30, 1941-January 28, 1949

Applications (162/308) – April 13, 1943-May 17, 1946

Service (162/309) – February 2, 1949

Bellows, Absolute Type

General (162/31) – nd

Design (162/312) – January 8, 1940-February 19, 1948

Power Set (162/3121) – July 11, 1945-December 3, 1947

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Stainless Steel (162/3122) – October 25, 1945-April 2, 1954

Cost & Manufacturing (162/313) – January 18, 1940-August 10, 1948

Testing (162/316) – January 19, 1942

Power Set (162/3161) – July 13, 1944-November 30, 1945

Stainless Steel (162/3162) – February 4, 1949-January 11, 1955

Applications (162/318) – January 19, 1945-December 6, 1950

Service (162/319) – August 3, 1945-April 15, 1946

Bellows, Micrometer Type (162/35) – July 29, 1943-March 5, 1945

Bell

General (162/40) – January 4, 1942-January 15, 1943

Theory (162/401) – September 1, 1955

Design (162/402) – June 3, 1935-October 18, 1943

Cost & Manufacturing (162/403) – August 14, 1942-November 5, 1943

Key Number Section K083 – September 5, 1957-May 23, 1961

Testing (162/406) – November 20, 1936-June 21, 1945

Applications (162/408) – November 13, 1940-February 27, 1948

Service (162/409) – April 8, 1942-April 2, 1948

Diaphragm (162/50) – May 2, 1938-April 1952

Thermal (162/80) – July 1937-June 1953

Ionization (162/90) – July 1944-April 1946

Pressure Transmitters

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Patent Department (163/02) – August 13, 1951-December 29, 1952
Articles (163/05) – 1954
Bulletins (163/07) – January 23-February 29, 1942
Pneumatic (163/10) – August 15, 1949-June 14, 1950
Pneumatic, Spiral Type (163/15) – January 25, 1938-August 21, 1950
Pneumatic, Bourbon “C”
 General (163/20) – November 15, 1949-October 24, 1950
 “Jet Balance” (163/201) – August 23, 1951-June 11, 1953
Electric (163/50) – May 6, 1952-February 3, 1953

Flow Measurement

General (180/00) – May 6, 1943-March 21, 1957
Articles (180/05) – May 25, 1933-January 10, 1958
Bulletins (180/07) – February 9, 1937-June 3, 1940
Curve Series
 101-299 (180/10) – May 12, 1930-August 17, 1931
 300-499 (180/10) – July 18, 1930-December 1936
 500-599 (180/10) – nd
 600-899 (180/10) – September 29, 1948-January 16, 1973
Flow Handbook (180/15) – August 16, 1943-January 3, 1947
Pulsating Flow
 General (180/30) – November 10, 1931-April 15, 1955
 Articles (180/301) – December 6, 1928-September 6, 1967
Sealing Problems (180/40) – June 23, 1942-November 23, 1943
Gas Flow
 General (180/50) – November 24, 1931-December 8, 1954
 Articles (180/501) – December 8, 1926-October 1955 (1 of 2)

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Articles (180/501) – December 8, 1926-October 1955
Courses (180/502) – August 26, 1941-August 31, 1949
Oxygen Flow (180/51) – April 8, 1946-January 24, 1956
Air Flow (180/52) – August 20, 1932-July 28, 1953
Steam Flow (180/53) – August 4, 1925-November 30, 1951
Chlorine Flow (180/54) – April 30, 1930-December 9, 1955
Water Flow (180/70) – February 13, 1934-February 23, 1955
Acid Flow (180/71) – September 11, 1937-May 11, 1948
Ammonia Flow (180/72) – July 6, 1932-December 7, 1948
Oil Flow (180/73) – 1923-November 26, 1947
Salt Flow (Molten) (180/74) – April 11, 1938-March 14, 1945

Flow Primary Elements-Closed Channel

General (182/00) – December 13, 1949
Patent Department (182/02) – August 25, 1949-November 20, 1953
Articles (182/05) – January 10, 1941-April 6, 1954
Bulletins (182/07) – December 17, 1937-November 18, 1953
Main Line P., Theory

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General (182/11) – December 20, 1954-May 3, 1955

Articles (182/111) – December 7, 1920-1954

Main Line P., Components

General (182/13) – July 1937-December 1, 1949

Straightening Vanes (182/131) – September 21, 1932-November 16, 1942

Flanges (182/132) – September 3, 1930-1957

Main Line P., Applications (182/18) – April 4, 1939-December 2, 1952

Connecting Piping (182/20) – nd

Connecting Piping, Theory (182/21) – November 6, 1933-June 15, 1954

Connecting Piping, Design

General (182/22) – May 3, 1954-October 7, 1955

High Pressure (182/221) – January 4, 1940-May 14, 1953

Connecting Piping, Components (182/23) – January 18, 1938-August 21, 1951

Connecting Piping, Applications (182/28) – May 19, 1930-August 10, 1954

Orifices (182/40) – October 4, 1950-September 6, 1955

Orifices, Theory

General (182/41) – August 1936-December 30, 1953

Articles (182/411) – January 29, 1932-1955

Segmental & Eccentric (182/4111) – May 1942

Quadrant Edge (182/4112) – 1921-January 22, 1953

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Calculations (182/412) – July 1930-May 16, 1955

Segmental & Eccentric (182/4121) – May 17, 1932-January 11, 1955

Quadrant Edge (182/4122) – nd

Orifices, Design

General (182/42) – March 9, 1938-July 12, 1955

Small Flow (182/421) – December 27, 1949-December 11, 1952

Orifices, Specs & Standards (182/45) – November 5, 1941-March 17, 1952

Orifices, Testing (182/46) – December 28, 1934-May 1954

Orifices, Application

General (182/48) – January 19, 1938-April 7, 1953

Small Flow (182/481) – March 30, 1949-February 8, 1950

Orifices, Service (182/49) – January 15, 1935-November 2, 1951

Venturi Tubes, Theory

General (182/51) – September 11, 1936-February 14, 1955

Articles (182/511) – May 24, 1920-1947

Calculations (182/512) – February 8, 1926-December 7, 1943

Venturi Tubes, Design (182/52) – March 27, 1944-December 10, 1953

Venturi Tubes, Specs & Standards (182/55) – August 16, 1949

Venturi Tubes, Applications (182/58) – October 2, 1936-October 6, 1953

Venturi Tubes, Service (182/59) – May 2, 1951

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- Flow Nozzles (182/60) – July 29, 1947-August 29, 1949
- Flow Nozzles, Theory
 - Articles (182/611) – January 12, 1932-December 3, 1954
 - Calculations (182/612) – December 7, 1920-January 9, 1956
- Flow Nozzles, Design (182/62) – March 2-November 23, 1951
- Flow Nozzles, Applications (182/68) – March 27, 1940-January 9, 1952
- Flow Nozzles, Service (182/69) – July 3, 1940-May 6, 1953
- Pitot Tubes (182/70) – September 26-30, 1947
- Pitot Tubes, Theory
 - Articles (182/711) – December 8, 1916-November 18, 1955
 - Calculations (182/712) – August 3, 1942-July 29, 1954
- Pitot Tubes, Design (182/72) – January 3, 1931
- Pitot Tubes, Applications (182/78) – July 27, 1938-September 20, 1951
- Flow Tubes (182/80) – October 14, 1948-December 15, 1954
- Flow Tubes, Theory
 - General (182/81) – September 9, 1949
 - Articles (182/811) – September 15, 1948-January 10, 1950
 - Calculations (182/812) – May 6-July 23, 1948
- Special Types (182/90) – December 22, 1936-January 8, 1957

- Flow Primary Elements-Open Channel
 - Articles (183/05) – March 1935-May 1950
 - Flumes, Theory (183/11) – February 1921-December 10, 1954
 - Weirs (183/20) – June 7, 1946-February 15, 1954
 - Weirs, Theory (183/21) – May 24, 1920-June 1953
 - Gates (183/30) – December 7, 1936
 - Gates, Theory (183/31) – December 3-6, 1923

- Flow Secondary Elements-Closed Channel
 - General (185/00) – May 12, 1941-May 3, 1954
 - Patent Department (185/02) – November 6, 1944-March 19, 1953
 - Articles (185/05) – January 10, 1951-August 7, 1954
 - Area Meter, Piston
 - General (185/10) – 1932, December 17, 1953
 - Theory (185/101) – March 22, 1933-October 11, 1949
 - Design (185/102) – October 13, 1939-December 7, 1948
 - 3 Inch (185/1021) – April-May 21, 1954
 - 4 Inch (185/1022) – July 25, 1933-November 21, 1946

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 - Shell Development (185/10221) – October 28, 1953-January 19, 1956
 - Testing (185/106) – October 3, 1932-April 12, 1951
 - Calibration (185/1061) – December 15, 1936-November 6, 1937

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- Applications (185/108) – May 8, 1933-May 11, 1949
 - Oil (185/1081) – November 10, 1930-April 9, 1956
 - Oxygen (185/1082) – January 19, 1933-February 17, 1948
 - Sulfur (185/1083) – December 23, 1947-April 9, 1948
 - Water (185/1084) – February 21, 1940-October 20, 1949
 - Parallel Operation (185/1089) – May 2, 1939-January 28, 1953
 - Service (185/109) – April 3, 1936-March 30, 1950
 - Area Meter, Float
 - General (185/15) – nd
 - Theory (185/151) – May 15, 1939-August 1954
 - Instrument Adaptation (185/153) – May 31, 1951
 - Fischer & Porter (185/1531) – February 16, 1939-May 21, 1951
 - Brooks (185/1532) – May 18, 1951-August 13, 1953
 - Schutte & Koerting (185/1533) – August 15, 1946-October 29, 1952
 - Application (185/158) – April 6, 1954
 - Service (185/159) – July 19, 1951
 - Velocity Meters (185/20) – August 27, 1947-April 1951
 - Electro Meters (185/30) – January 29, 1943-March 1954
 - Electro Meters, Ultrasonic (185/31) – January 3, 1951-November 1955
 - Electro Meters, Electromagnetic (185/32) – June 13, 1930-April 1, 1960
 - Quantity Meters (185/40) – April 1938-July 1, 1955
 - Quantity Meters, Nutrating Disc (185/41) – January 24-March 3, 1946
 - Mass Flow Meters (185/70) – December 16, 1949-May 5, 1958
 - Mass Flow Meters, Compensated (185/71) – June 20, 1930-February 1, 1956
 - Mass Flow Meters, Integrated (185/72) – May 1, 1953-July 4, 1955
 - Mercury Head Flowmeters
 - General (186/00) – October 11, 1935-December 10, 1952
 - Patent Department (186/02) – September 8, 1942-September 29, 1954
 - Square Root Mech. (Meter)
 - Design (186/202) – December 27, 1932-November 27, 1947
 - Testing (186/206) – June 1, 1932-February 26, 1952
 - Calibration (186/2061) – March 24, 1932-July 13, 1944
 - Applications (186/208) – November 17, 1930-December 18, 1950
 - Service (186/209) – June 14, 1933-June 30, 1949
 - S.R.M., Sorteberg Type (186/21) – June 14, 1951-October 16, 1952
 - S.R.M., Pittsburgh Equit. (186/28) – August 10, 1942-February 3, 1949
 - S.R.M., Competition (186/29) – January 14, 1936-August 8, 1947
- Box 39
- S.R.M., Parts (186/30) – January 23, 1940-July 23, 1943
 - S.R.M., Floats (186/31) – October 26, 1942-February 17, 1950

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Ser II Measuring Systems

- S.R.M., Overload Seals (186/32) – January 23, 1941-January 11, 1951
- S.R.M., “U” Tubes (186/33) – March 30, 1933-August 4, 1945
- S.R.M., Pressure Tight Bearings
- Design (186/342) – June 8, 1938-December 13, 1950
 - Greaseless (186/3421) – May 1950-May 22, 1953
- Testing (186/346) – December 30, 1937-July 12, 1950
- Lubrication (186/347) – February 20, 1933-February 22, 1955
 - Service (186/349) – May 29, 1934-August 20, 1951
 - S.R.M., Torque Tubes (186/35) – October 22, 1942-June 1, 1951
- S.R.M., Range Tubes
 - General (186/36) – May 4, 1933-March 10, 1954
 - Special (186/361) – June 17, 1935-January 6, 1949
- Linear Mechanical
 - Design (186/402) – April 16, 1942-July 16, 1954
 - Testing (186/406) – May 15, 1950-April 4, 1955
- Application (186/408) – March 13, 1951-January 19, 1955
- Service (186/409) – May 11, 1950-December 30, 1952
 - L. M. Ring Balance Type (186/41) – November 7, 1938-February 3, 1948
 - Linear Mechanical Parts (186/50) – September 13, 1949-July 11, 1951
- L. M. Overload Seals (186/52) – February 21, 1951
 - L. M. Magnetic Couplings (186/55) – March 25, 1949-January 23, 1951
 - L. M. Range Bells (186/57) – October 29, 1953-February 15, 1954
- Square Root Electrical
 - General (186/60) – December 13, 1938-October 16, 1940
- Design (186/602) – November 17, 1927-December 19, 1950
 - Sealed Armature (186/6021) – February 28, 1941-June 16, 1947
 - High Pressure (186/6022) – January 13, 1930-January 29, 1953 (items OS Map Drawer)
 - Testing (186/606) – November 23, 1931-October 9, 1951
- Application (186/608) – August 21, 1933-December 20, 1949

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- Service (186/609) – January 20, 1939-March 7, 1952
- S. R. E. Bell Type (186/61) – December 18, 1929-December 31, 1954
- S. R. E. Capacitance Type (186/62) – December 15, 1936-October 15, 1951
- S. R. E. Parts (186/70) – November 15, 1945-January 15, 1946
- S. R. E. Floats (186/71) – January 12, 1940-September 12, 1941
- S. R. E. Range Tubes (186/76) – November 1, 1951-February 4, 1938
- S. R. E. Range Bells (186/77) – June 13, 1930-June 16, 1959
- S. R. E. Coil Housings (186/78) – October 30, 1940-August 14, 1947
 - S. R. E. Solenoid Core Tubes (186/79) – September 8, 1939-August 25, 1943
- Linear Electrical
 - Theory (186/801) – March 18, 1952-September 25, 1954
 - Design (186/802) – November 7, 1938-December 28, 1954

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Ser II Measuring Systems

Manufacturing (186/803) – September 26, 1949-May 21, 1954
Cost Data (186/8031) – May 22, 1946-April 6, 1954
Testing (186/806) – March 17, 1949-January 21, 1954
Field (186/8061) – March 22, 1948-June 10, 1953
Competition (186/8062) – March 5, 1947-March 4,
1948
Applications (186/808) – March 21, 1949-August 14, 1953
Service (186/809) – April 1, 1953
Linear Electrical Parts (186/90) – August 6, 1947-September 18, 1953
L. E. Floats (186/91) – April 28-September 24, 1948
L. E. Overload Seals (186/92) – August 20, 1948-May 8, 1950
L. E. Range Bells (186/97) – April 21, 1949-March 17, 1954

Dry Head Flowmeter (Diaphragm)

General (187/00) – October 30, 1950-November 10, 1955
Patent Department (187/02) – September 26, 1944-March 13, 1953
Articles (187/05) – February 1948-December 1953
Bulletins (187/07) – December 20, 1950-August 11, 1955
Square Root Pneumatic
General (187/20) – October 18, 1951-July 25, 1956
Theory (187/201) – May 19, 1949-January 19, 1953
Design (187/202) – February 1, 1949-February 13, 1956
Extended Range (187/2021) – August 7, 1951-March 21,
1952
Manufacturing (187/203) – June 5, 1950-December 1, 1954
Cost Data (187/2031) – January 30, 1950-March 14, 1955
Specs & Standards (187/204) – May 10, 1949-March 23, 1955
Competitive Surveys (187/205) – October 1, 1948-January 6, 1950

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Testing (187/206) – August 16, 1950-August 11, 1953
Field (187/2061) – December 11, 1950-January 15, 1954
Rohm & Haas (187/20611) – November 28, 1950-
May 25, 1953
Standard Oil (187/20612) – December 19, 1950-
April 29, 1952
Atlantic Refining Company (187/20613) – January
9-April 9, 1951
Calibration (187/2062) – June 30, 1960-June 12, 1953
Zero Shift (187/2063) – October 8, 1951-May 26, 1954
Weight Calibration (187/2065) – April 16, 1951-July 15,
1952
Overload (187/2066) – April 10, 1952-September 26, 1952
Applications (187/208) – February 16, 1951-April 7, 1955
Pulsating Flow (187/2081) – July 13, 1951-July 29, 1953
Service (187/209) – December 12, 1950-March 25, 1955
Manual (187/2091) – April 13, 1953-April 5, 1955

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Ser II Measuring Systems

- S. R. P. Parts (187/30) – July 12, 1950-September 26, 1955
 - S. R. P. Flanges & Valves (187/31) – September 5, 1950-November 4, 1954
 - S. R. P. Diaphragm Connecting Links (187/32) – December 23, 1952
 - S. R. P. Diaphragm, Nonmetallic (187/33) – January 31, 1949-May 21, 1957
 - S. R. P. Diaphragms, Metallic (187/34) – April 17, 1950-March 26, 1956
- S. R. P. Pilot Assemblies
 - General (187/35) – September 18, 1950-January 24, 1954
- Balancing Bellows (187/351) – January 24, 1951-December 22, 1954
 - S. R. P. Dashpots (187/36) – August 29, 1951-May 11, 1953
- Box 42
 - S. R. P. Bodies (187/37) – July 24, 1950-June 17, 1954
 - S. R. P. Covers (187/38) – May 12, 1950-July 18, 1953
 - S. R. P. Beams & Sealing Bellows (187/39) – May 16, 1945-February 15, 1955
 - Linear Mechanical (187/40) – December 17, 1941-November 10, 1942
 - Linear Mechanical Parts (187/50) – December 15, 1944
 - Square Root Electric
 - Theory (187/601) – June 6, 1951
 - Design (187/602) – February 7, 1951-December 30, 1954
 - Manufacturing (187/603) – July 12, 1951-October 27, 1953
 - Cost Data (187/6031) – March 5, 1951-October 28, 1954
 - Specs & Standards (187/604) – May 4, 1951-September 18, 1952
 - Testing (187/606) – June 7, 1951-February 3, 1955
 - Calibration (187/6062) – June 20, 1951-February 15, 1952
 - Stability & Dynamics (187/6064) – November 16, 1951-July 13, 1954
 - Weight Calibration (187/6065) – September 24, 1951
 - Applications (187/608) – June 10, 1953-April 30, 1954
 - Service (187/609) – July 12, 1951-February 7, 1955
 - S. R. E. Strain Gage Actuated (187/61) – January 26, 1954-January 13, 1955
 - S. R. E. Flanges & Valves (187/71) – August 7, 1953
 - S. R. E. Diaphragm Conn. Links (187/72) – September 21-November 23, 1951
 - S. R. E. Diaphragms, Metallic (187/74) – September 11-October 9, 1951
 - S. R. E. Springs (187/75) – August 16-27, 1951
 - S. R. E. Dashpots (187/76) – February 28-July 2, 1952
 - S. R. E. Covers (187/78) – August 19-September 24, 1951
 - S. R. E. Low-Flow Alarm Switch (187/79) – October 11, 1951-January 15, 1954
 - Linear Electric (Meter) (187/80) – January 22, 1944-August 21, 1946
- Dry Head Flowmeters (Bellow)
 - Square Root Pneumatic (Meter) (188/20) – April 28, 1941-July 13, 1945

Acc. 1728 Brown Instrument Co. Records
Ser II Measuring Systems

- S. R. P. Barton Body (188/21) – July 15, 1948-July 12, 1954
- S. R. P. Barton Body, Non-Indicating (188/22) – August 3, 1949-March 8, 1956
- S. R. P. Brown Prototype (188/23) – June 1, 1942-July 17, 1944
- S. R. P. Parts (188/30) – May 24, 1943-January 31, 1956
- Linear Pneumatic (Meter) (188/40) – April 28, 1941-January 13, 1943
- S. R. E. Barton Type (Lummis) (188/61) – May 6, 1952-December 31, 1953

Flowmeters-Open Channel

- General (191/00) – December 29, 1948-July 6, 1949
- Bulletins (191/07) – December 16, 1949-September 27, 1954
- Mechanical
 - Design (191/102) – May 31, 1949-November 1, 1955
 - Manufacturing (191/103) – April 22, 1954-June 27, 1955
- Cost (191/1031) – April 16, 1952-October 11, 1955
- Competitive Survey (191/105) – February 16-March 9, 1953
- Testing (191/106) – July 6, 1953-March 26, 1954
- Mechanical Parts (191/30) – January 23, 1956
- Mechanical Cams (191/31) – October 29, 1952-November 6, 1953
- Mechanical Floats (191/32) – January 26, 1955

Liquid Level Measurement

- General (195/00) – August 4, 1941-January 19, 1953
- Articles (195/05) – 1948-August 5, 1953
- Bulletins (195/07) – 1942

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Liquid Level Meters, Float

- General (196/00) – March 21, 1930-August 19, 1952
- Patent Department (196/02) – March 12-September 30, 1953
- Articles (196/05) – November 15, 1955

Liquid Level Meters, Displacement

- General (197/00) – July 23, 1947-January 23, 1956
- Patent Department (197/02) – June 4, 1947-November 23, 1955
- Transmitters (197/50) – September 26, 1940-November 13, 1950

Transmitters, Control

- Theory (197/701) – August 5, 1952
- Design (197/702) – May 25, 1950-December 29, 1952
- Manufacturing & Cost (197/703) – October 24, 1950-November 13, 1952
- Competitive Survey (197/705) – May 15-June 22, 1950
- Testing (197/706) – February 8, 1951-February 14, 1952
- Applications (197/708) – April 10, 1951-November 20, 1952
- Transmitter Parts (197/90) – June 20, 1950-January 2, 1953

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Ser II Measuring Systems

Liquid Level Meters, Head

Patent Department (198/02) – June 16, 1950-September 16, 1953
Bulletins (198/07) – July 21, 1939, January 13, 1955
Mercury Head (198/10) – November 19, 1932-October 24, 1945
Dry Head (198/20) – May 11, 1950-November 3, 1955
Dry-Testing (198/22) – June 18, 1953-July 8, 1955
Diaphragm Box (198/30) – January 16, 1932-August 21, 1950
Dip Tube (198/40) – October 24, 1950-February 7, 1955

Liquid Level Meters, Electric

General (199/00) – February 17, 1931-February 22, 1956
Patent Department (199/02) – May 26-September 16, 1953
Articles (199/05) – February 11, 1943-November 1954
Transmitters (199/50) – May 6, 1952-January 23, 1953

Mechanical Parts

Lever and Links (200/16) – January 15, 1943-May 26, 1944
Stabilized Spiral Systems (200/17) – December 19, 1949-May 21, 1955
Nameplate Life (200/192) – August 25, 1953-March 26, 1954

Sealing Devices (235/00) – November 14, 1952-December 28, 1954

Electronic Devices & Parts, Integrator (250/651) – October 30, 1931-July 10, 1950

Box 44

Chart Drives

Hand Wound (259/10) – February 7, 1936-December 13, 1954
INSCO-Brown Chart Speed Changer (259/20) – October 23, 1952-September 13, 1954
Pneumatic
Macnick Division (259/301) – May 21, 1951-November 3, 1954
Seth Thomas (259/302) – August 17, 1951-June 10, 1955

Chart Paper

General (260/002) – February 3, 1953-June 5, 1956

**Acc. 1728 Brown Instrument Co. Records
Ser III Job Files & Miscellany**

Quality Tests (260/20) – February 19, 1953-January 7, 1955
Circular (260/201) – July 9, 1941-October 25, 1955
Strip Chart Paper (260/212) – April 20, 1939-June 2, 1942

Integrators

Pneumatic (264/30) – February 4, 1949-July 16, 1956
Miscellaneous Reports
264/50-264/519 – May 31, 1949-October 28, 1955

Balancing Motor (267/05-267/332) – April 11, 1947-February 19, 1958

Petroleum Industry

Production-Liquid
Natural Oil Pool-Repressurizing (871/115) – May 6, 1943-September 25, 1957

Series III Job Files & Miscellany

Jobs

Electronic Integrator For Class 20 and 22 Instruments (267/99) – July 23, 1952-December 30, 1953
Develop Electric Motor Mechanism For Valve Actuation (268/40) – January 5, 1949-January 2, 1953 (1 of 2)

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Develop Electric Motor Mechanism For Valve Actuation (268/40) – January 5, 1949-January 2, 1953
Improvement of Paper and Ink for All Recording Instruments (272/00) – June 26, 1953-March 9, 1954
Class 15 Circular Chart Potentiometer Bucket Pens-Redesign (272/11) – March 16, 1949-January 4, 1951
Improved Pen and Bracket For Two Pen Type 153 (272/31) – August 17, 1951-March 8, 1954
Pen Improvements For Class 153 Strip Chart Instruments (272/312) – March 16, 1949-July 8, 1953
(Job 6707) Foxboro Type 3E Electric D/P Cell – July 22, 1952
(Job 6753) Competitive Study Of L&N PAT-50 Electric Controller With Rate Action – August 27, 1951-February 27, 1953
(Job 6769) SARCO Electric Thermostat – October 5, 1951-August 22, 1952
(Job 6771) Competitive Test-Foxboro D/P Cell – June 6, 1952
(Job 6810) The Weston Recording Potentiometer – September 3, 1953
(Job 6820) Averaging-Type Weston Resistance Thermometers For Oil Tank Application – February 11-May 5, 1953
(Job 6822) Bailey Synchronometer – January 14, 1954

Acc. 1728 Brown Instrument Co. Records
Ser III Job Files & Miscellany

- (Job 6832) Taco-West Galvanometer Proportioning Controller – March 30, 1953
- (Job 6833) Pyrometer Conversion Kit Made By Pyrometer Service – March 11, 1953
- (Job 6860) Hagen Electro-Pneumatic Transmission System – November 4, 1953
- (Job 6954) Competitive Test-Fielden Tektolog Temperature Recorder With On-Off Control – February 2, 1954-February 7, 1955
- (Job 6956) Electromax Temperature Signalling Controller For Two-Position Control – February 14, 1955
- (Job 6971) Model JS Stepless Controller – April 20, 1955
- (Job 6974) Foxboro Square Root Extraction Relay – June 24-September 7, 1954
- (Job 7033) Evaluation Of Constant Current Sources – May 28, 1954
- (Job 7152) Scientific Specialties Co. Constant Voltage Unit – August 29, 1955-April 18, 1957
- (Job 7159) Westronics 5” Strip Chart Potentiometer – October 11, 1955-December 16, 1957
- (Job 7178) Shallcross Electronic Galvanometer Type 1965 – January 7, 1957
- (Job 7248) Taylor Transcope Controller – March 15, 1957-January 1, 1959
- (Job 7263) Pyruni Radiation Pyrometer – May 24, 1957
- (Job 7262) Bristol 3” Strip Chart POT – October 20, 1958
- (Job 7310) Foxboro Type 37 Diaphragm Flow Meter – October 17, 1957-January 1, 1959
- (Job 7312) M. M. M American Electronic Control System – September 1957-October 23, 1958
- (Job 7316) Gotham Thermometer Recorder (Hg) – December 10, 1957
- (Job 7350) Negretti & Zambra 3-Term Controller – May 29, 1958
- (Job 7359) 90J Series Taylor Transcope Recorder – July 9, 1958
- (Job 7512) Relay Back Mounted Class 15 ESCP – May 9, 1962-October 10, 1963
- (Job 7515) Improved Resistance Thermometer Bulb – February 2, 1961-October 10, 1963
- (Job 7524) Welded Bellows For Flowmeters – March 6, 1961-October 24, 1963
- (Job 7530) Vane Flowmeter – March 22, 1961-October 21, 1963
- (Job 7531) Class 15 Simplification Standardization – April 11, 1961-October 10, 1963
- (Job 7551) Inductance Bridge Transmitter For Differential Converter – May 3, 1961-February 13, 1964
- (Job 7566) Frequency Telemeter-I/F and F/I – February 21, 1962-October 1, 1963

Acc. 1728 Brown Instrument Co. Records
Ser III Job Files & Miscellany

- (Job 7575) Sargent Model SR Laboratory Recorder – October 23, 1961-
October 16, 1963
- (Job 7583) Class 18 Circular Chart Recorder And Circular Scale Indicator
– March 19, 1962-September 23, 1963
- (Job 7588) Evaluation Of L&N Speedomax H Strip Chart With Series 60
CAT Controller – February 5, 1962-October 16, 1963
- (Job 7591) Evaluate L&N Speedomax G 0.4 Second Strip Chart –
February 22, 1962-October 16, 1963
- (Job 7600) Philips Electronics Inc. Class 15 Recorder - March 6, 1962-
March 5, 1964
- (Job 7628) Class 18 Die Cast Door & Options – October 3, 1962-
September 23, 1963
- (Job 7642) Customers Drawings Convair Contract-SSD Pottstown –
November 26, 1962-October 1, 1963
- (Job 7685) Multi-Speed Electro-Mechanical Chart Drive – March 29,
1963-October 3, 1963
- (Job 9275) Mass Flow Meter – April 14-November 24, 1961
- (Job 9293) Study Of New Devices Related To Digital Instrumentation –
November 2, 1961-September 23, 1963
- (Job 9296) Liquid Density Transmitter With Plastic Tube – February 13-
October 14, 1963
- Miscellaneous Engineering Reports – December 26, 1951-January 22,
1959

Closed Jobs

No. 6626-6865 – 1950-1956

Box 46

No. 6866-8439 – 1937-1957

Box 47

No. 8483-8669 – 1944-1956

No. 8663 Pulp Consistency Controller Investigation – March 27, 1951-
July 2, 1954 April 6, 1950-August 23, 1954

Correspondence – July 22, 1949-July 21, 1954

No. 8670-9300 – 1950-1958

SAMA Bulb & Well Committee Meeting Minutes

July 16, 1946-December 15, 1949

Box 48

January 12, 1950-September 5, 1962

Progress Reports – 1946-1953