

Specify VIKING For Your Future PUMP PLANS

Check today on your pumping equipment needs. Viking offers the most complete line in the rotary pump field. The range of sizes and styles are the largest available.

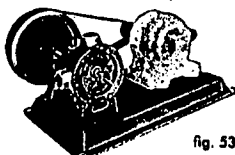


fig. 53

QUIET V-BELT MOTOR DRIVEN UNIT

Each is built to handle the specific job. Outstanding features includes fast self priming . . . smooth, even discharge . . . low power requirements . . . compact and rugged construction.



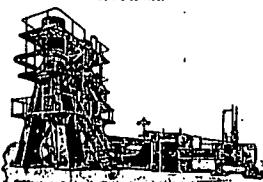
Send today for free bulletin 53SW.

Viking PUMP COMPANY
Cedar Falls, Iowa

DEMONSTRATING THE DEPENDABILITY OF



This portable engine still runs after 72 years' active service.



The largest Frick refrigerating machine ever built (1906), was 50 ft. long; in service for almost 40 years.

The portable steam engine shown at left was operated in Virginia from 1872 to 1949; the Corliss type above, built in 1891, is still running at Irwin, Penna.

Another Frick Corliss, shipped in 1898, is still going strong at Walden, N. C.

Frick Company was established a century ago for making engines and farm machinery. For over 70 years it has pioneered in building refrigerating and air conditioning systems. Frick compressors commonly achieve service records of 40 years; many have run 50; some even 60!

The whole story of Frick equipment is told, with 200 illustrations, in the Centennial History just published: send \$1 for your copy. And get estimates now on the cooling system you need.



Also Builders of Power Farming and Sewall Machinery

More FREE BULLETINS

page. Tempil Corp., 11 W 35th St., 10, N. Y.

49 MACHINING TOOLS—28-page catalog 5285 shows line of lathe chasers and drill presses, attachment chucks, tools and accessories. Bend Lathes Works, 425 E Madison, South Bend 22, Ind.

50 RESURFACER—For patching, leveling, and resurfacing concrete, stone, brick, etc. Over the top. Spring Garden St., Philadelphia 13, Pa.

51 LIQUID FILTRES—Specifications, performance data, photos, illustrations, recommendations of type. Bulletin D-114, 12 pages. Delling & Co., 11 Centre Park, Rochester 2, N. Y.

52 TUBE ROLLERS—For extruding and rolling tubes into tubes. Bulletin TV-80, 2 pages. Illustrations. Vernon Tool Co. Ltd., 131 N. Meridian, Alhambra, Calif.

53 SMALL HOLE GRINDER—To convert to external grinding by attaching grinding wheel. Catalogue. J. J. Lath & Grinders, Inc., Bridge 26, Mass.

54 GRAVITY-FEED OILER—For valve control. Bulletin 211, 12 pages. Oil-Rite Corp., 3118 Waldo Blvd., Toledo 10, Ohio.

55 TUBE EXPANDERS—3-page folder gives catalog samples of cutters and expanders. Annular Expander Co., 1000 W. 12th St., Chicago 10, Ill.

56 STORY OF SAFETY—Industrial safety program at Du Pont greatest worker protection possible. Illustrated. E. I. du Pont Remours & Co., Inc., Public Relations Dept., Wilmington 98, Del.

MAINTENANCE MATERIALS

57 ALUMINUM SCAFFOLD—Bolted scaffold can be carried, erected, dismantled. Bulletin ASP-1, 4 pages. Illustrated. The Patent Scaffold Co., Inc., 28-51 15th St., Long Island City 1, N. Y.

58 CORRUGATED—Structure, composition, and varieties of natural corkboard, compositions. Bulletin D-1, 4 pages, illustrated. Dodge & Co., Inc., Lancaster 19, Pa.

59 BELT LACING—Separable lacing with hinges for belts to wide, 1/2 in. thick. Bulletin A-11, 4 pages. Flexible Steel Lacing Co., Lexington 11, Chicago 41, Ill.

60 SWEEPERS—Motorized sweepers with dual brushes in tandem rotating in opposite directions. 4 pages. The Motor-Sweeper Co., 4800 Western Ave., Detroit 10, Mich.

61 FLECK DETECTION—Test for ink liquid excited by black ink from portable lamp. 4 pages. Geo. W. Gates & Co., 1000 Broadway, New York 1, N. Y.

62 CEMENT FLOORING—3-page bulletin describes procedure of making for floor. Photo. Illustrations. Kilmann Floor Co., Inc., 110 E 42nd St., New York 17, N. Y.

63 PACKINGS—Self lubricating sheet and teflon packings. Catalog TC-108, 18 pages. Illustrated. Greene, Tweed & Co., New Wales, Pa.

MATERIALS HANDLING

64 PNEUMATIC TRANSPORT SYSTEMS—Transport pump, air converted containers, air. Bulletin 62-6, 20 pages. Illustrations. Kennedy-Van Baun Mfg. & Engrg. Co., 1 Park Ave., New York 16, N. Y.

65 INDUSTRIAL TRUCKS—Electric power lift trucks. Photos, illustrations, specifications, listing 24, 18 pages. Lawie Sheppard Products, Inc., Dept. 10, Watertown 18, Mass.

How Johnson Temperature Control

Automatically attracts store traffic

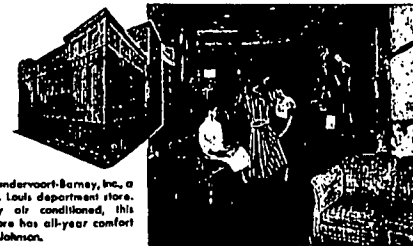
Modern merchandisers recognize customer comfort as a key requirement in attracting maximum store traffic, the lifeblood of department store selling. Providing comfortable temperatures, for example, definitely helps bolster store traffic—and sales. In busy metropolitan areas, where downtown stores must compete with new suburban shopping centers, customer comfort is a "must".

Scruggs-Vandervoort-Barney, Inc., is prominent on the growing roster of leading department stores that depend on modern Johnson Automatic Temperature and Air Conditioning Control to provide the ultimate in customer comfort.

With Johnson Control in command, heating, ventilating and cooling are under complete and precise control at all times. As patrons move from floor to floor or from section to section, uniform temperatures assure the best possible shopping atmosphere. When conditions demand, it is perfectly possible to cool a crowded interior section while perimeter areas of the same floor are being heated.

This accuracy and flexibility are typical of "Planned-for-the-Purpose" Johnson Control because each Johnson system is specifically designed to meet the needs of the individual control problem. That is why you will find Johnson Control not only in outstanding department stores, but in every other kind of public, business and industrial building.

Take advantage of this efficient approach on your temperature control problems. The experience of the nationwide Johnson organization is at your disposal without obligation. JOHNSON SERVICE COMPANY, Milwaukee 2, Wisconsin. Direct Branch Offices in Principal Cities.



Scruggs-Vandervoort-Barney, Inc., a leading St. Louis department store. Completely air conditioned, this modern store has all-year comfort control by Johnson.

Johnson Control

a super-brain that no number of men could equal, keeps our temperatures uniform from the basement to the 8th floor," says Coy C. Leach, the store's Chief Engineer. "The system is unusually efficient, and there is a minimum of maintenance. Fuel savings are impressive, too."

Johnson Control

Over 150 thermostats, 60 humidistats, 750 valves, and nearly 1,000 other lines of Johnson apparatus operate as one efficient control system—and it's all automated from this panel in the machine room. 4 zone-control switches position all thermostats throughout the store for heating, cooling or ventilation.

Johnson Control

Mr. Lee S. Wall and Mr. Walter B. Moses, mechanical engineers, New Orleans, La., were successful in using a minimum of valuable floor space throughout the store in planning this installation nearly 40 years after the store was built. Sodemann, Heist and Fower Co., St. Louis, Mo., were the mechanical contractors.



YOU, TOO, may be interested in a store, hotel, hospital, school, factory or office building. Let a nearby JOHNSON engineer help you solve your control problems on any new or existing building, regardless of size.

JOHNSON Automatic Temperature and Air Conditioning CONTROL

MANUFACTURE • APPLICATION • INSTALLATION • SINCE 1888