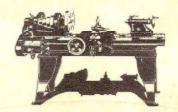
INTERESTING

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South Bend Lathes

SOUTH BEND LATHE WORKS
499 East Madison Street
South Bend, Indiana, U. S. A.



Interesting Installations of South Bend Lathes

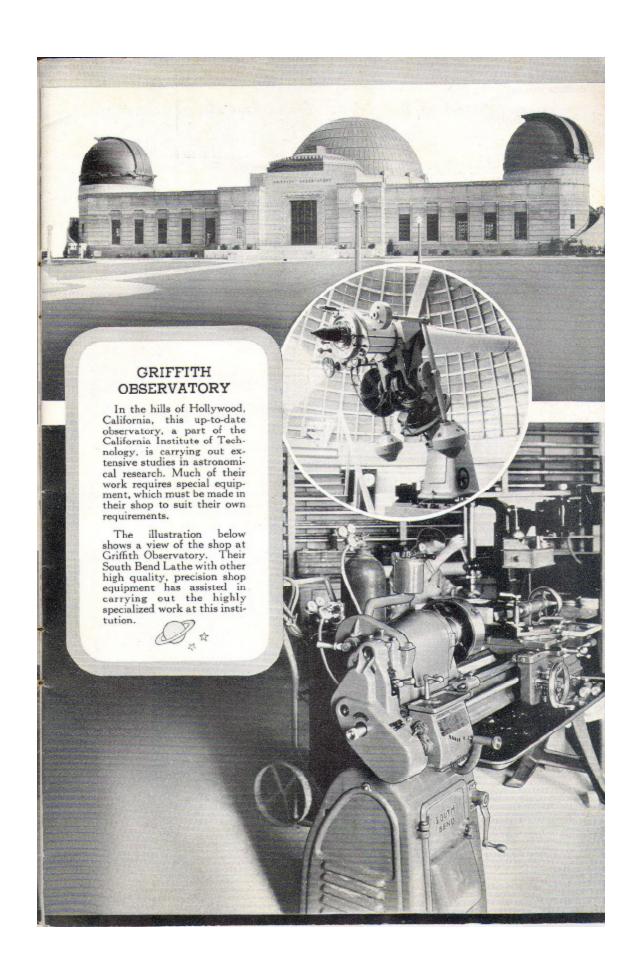
In this bulletin are shown some interesting installations of mechanical equipment in outstanding manufacturing plants, government shops and scientific laboratories where the South Bend Back-Geared Screw Cutting Precision Lathe has been selected as part of the equipment.

South Bend Lathes are used in a wide range of industries—large and small, in manufacturing and production work, and in the tool room where the finest accuracy and precision is required.

We have been building Back-Geared Screw Cutting Precision Lathes since 1906. Today the South Bend Lathe is one of the best known and most widely used lathes in the United States—more than 65,000 of them are in shops and plants throughout the U.S.A. and 96 countries and colonies over seas.

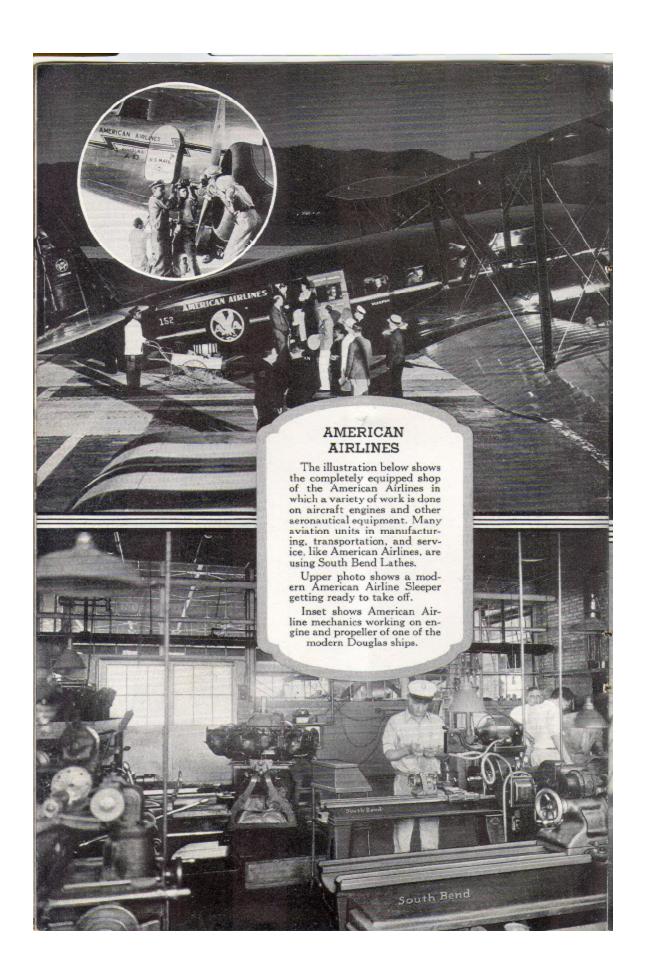




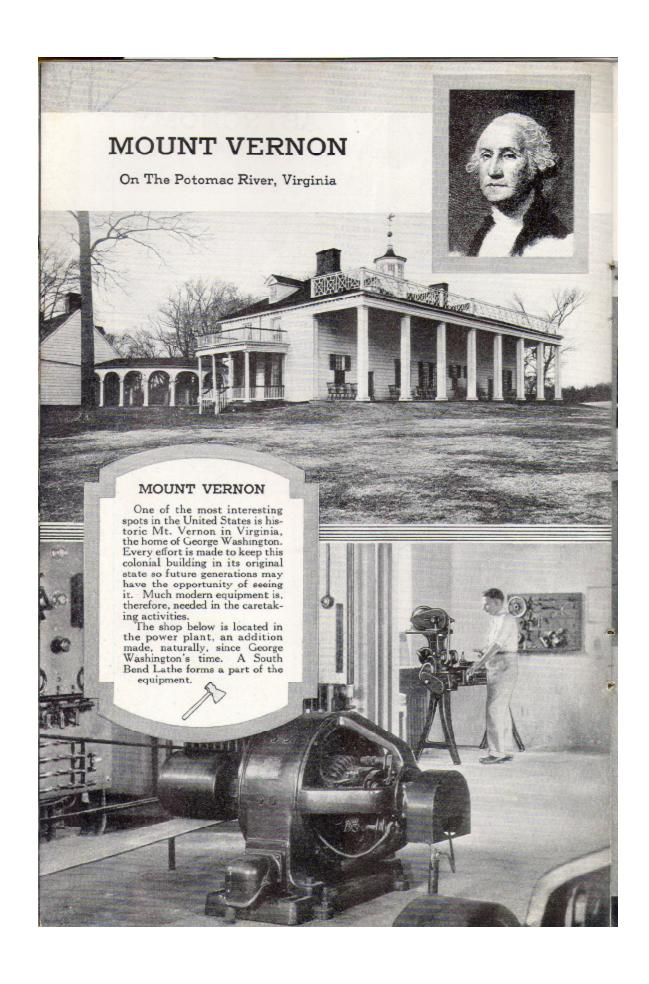


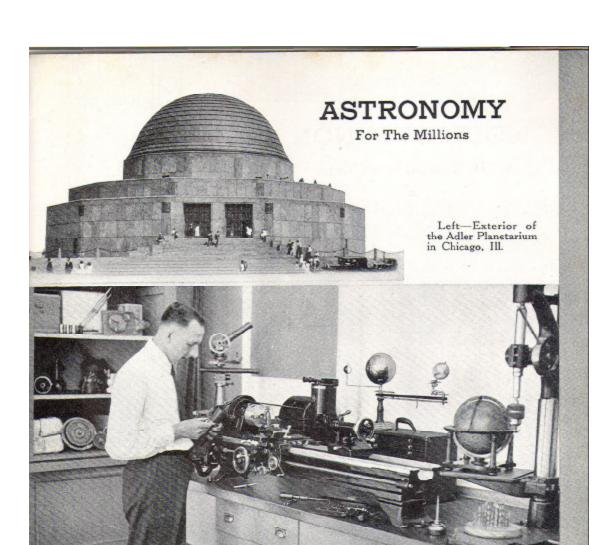












ADLER PLANETARIUM

Chicago, Illinois

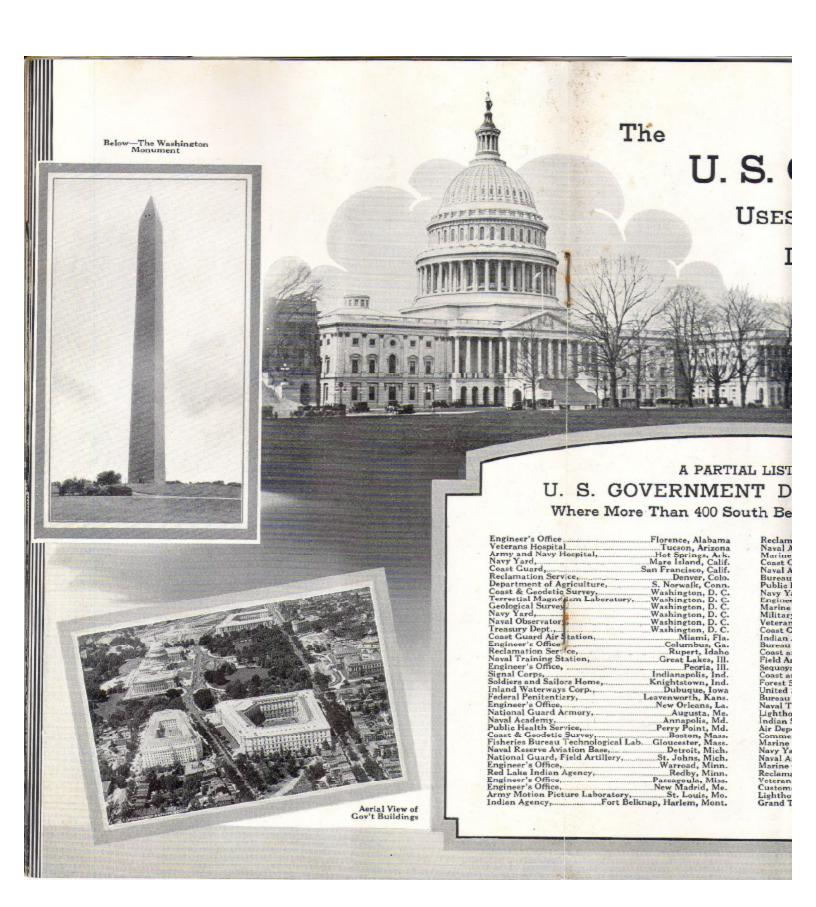
The mechanician's laboratory in the Adler Planetarium is in good part responsible for the maintenance and operation of the delicate and sensitive apparatus used in this institution. Much of their equipment is not available from other sources, and must be constructed here in this shop. As a consequence, a complete set of equipment, including a South Bend Lathe, cares for numerous and unique demands which arise.

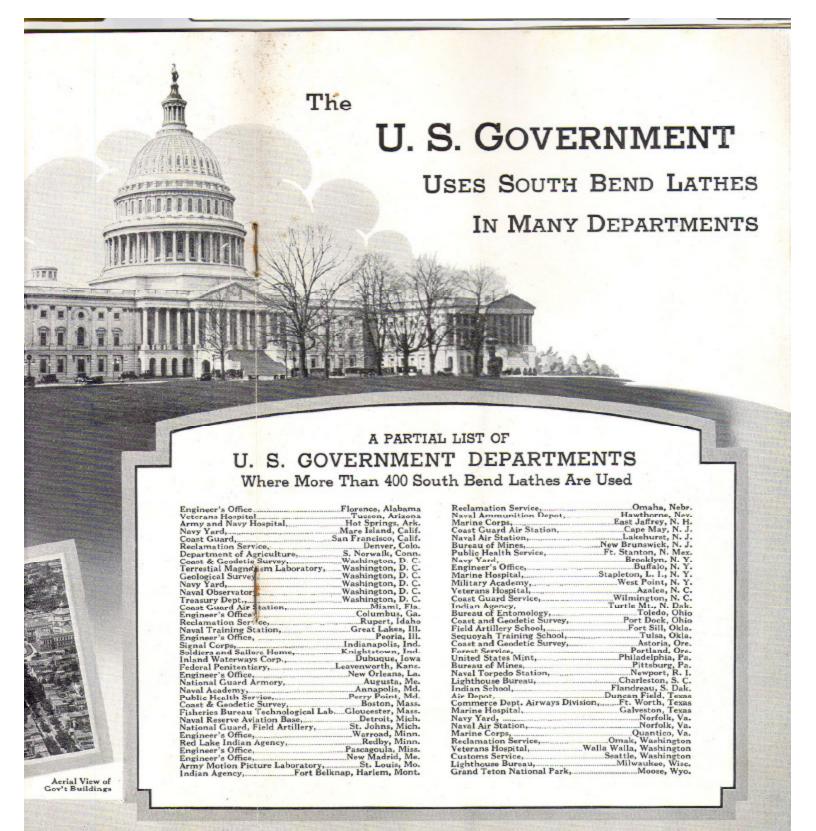
The upper illustration presents an exterior view of the Adler Planetarium in Chicago. This was the first institution of its kind in the United States. Since its phenomenal success as an educational project, several others have been made available in the larger cities through the donations of public spirited business men.

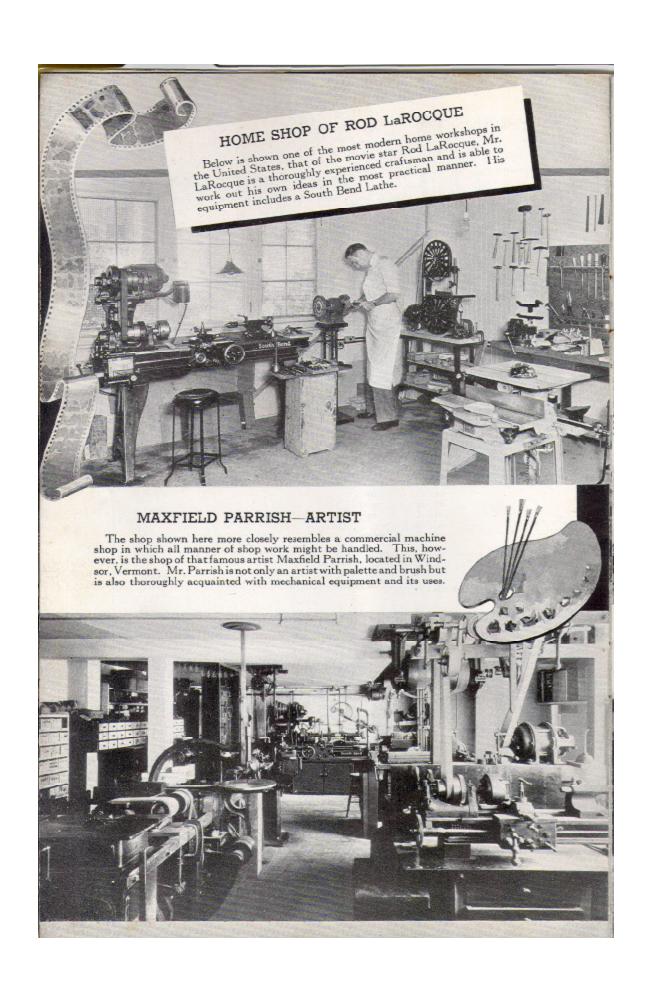
Above—The Zeiss Projector in Operation.



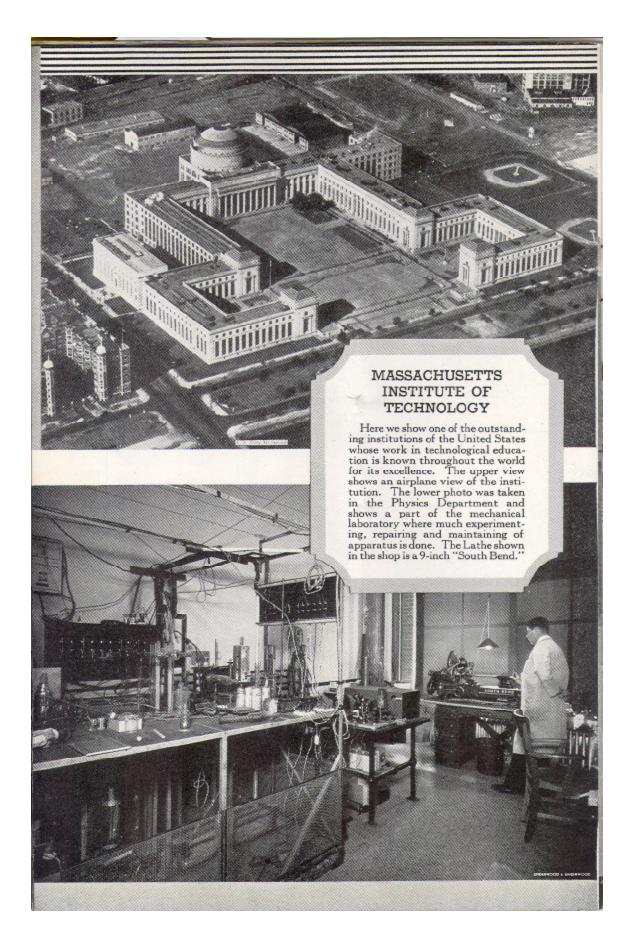


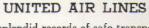








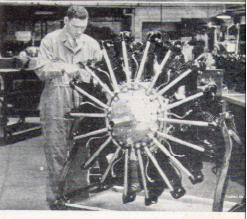




The splendid records of safe transportation set by the various commercial air lines speak well for the efficiency of their maintenance departments. Regular overhauls, rigid inspections and painstaking attention to details require not only the highest type of technicians, but also the finest of precision tools and equipment.

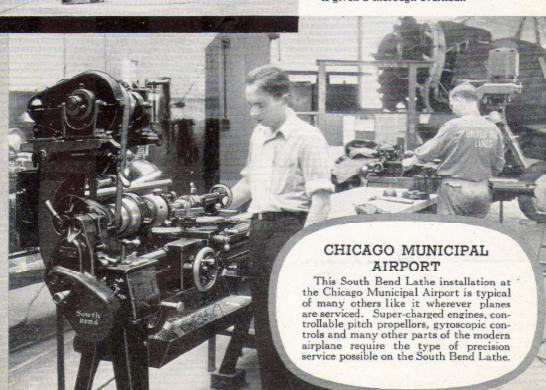
technicians, but also the linest of precision tools and equipment.

The illustrations on this page show the Chicago shop of the United Air Lines. This is but one of the many Air Line shops in which South Bend Lathes are contributing to the safety and reliability of air transport.

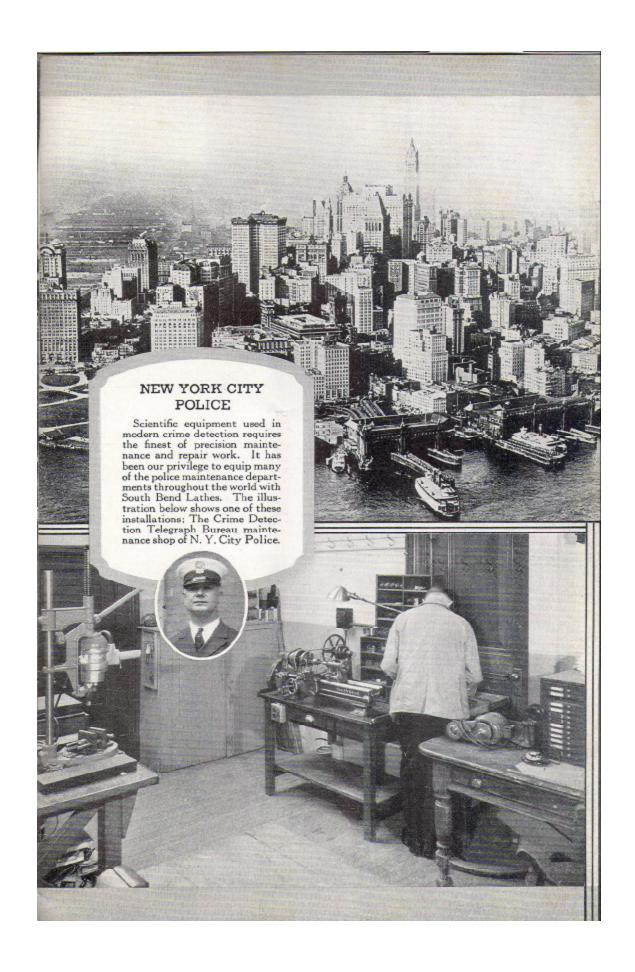


Above—An overhauled airplane motor receiving final inspection.

Left—After each 10,000 miles every plane is given a thorough overhaul.









HOME WORK SHOP

The growth of the home workshop activity has been very spectacular during the past ten years. Inventors and mechanical experimenters are installing high quality equipment in their homes. Schools and community recreational centers are encouraging and fostering the home shop idea everywhere. Naturally, the basic equipment for these shops is a screw cutting lathe. The shop shown here belongs to the New York Society of Model Engineers, New York City, N. Y., and is equipped with a 9-inch South Bend Lathe.

AUTOMOTIVE SERVICE SHOPS

The mechanical parts of the modern automobile, truck and bus are precision built in the most highly efficient industrial plants the world has ever known and in order to keep these vehicles operating they must be repaired and maintained with precision tools and equipment. An excellent example of a well equipped shop doing quality work is the United Motors Service, Denver, Colorado, shown at right.





MANUFACTURING AND INDUSTRIAL

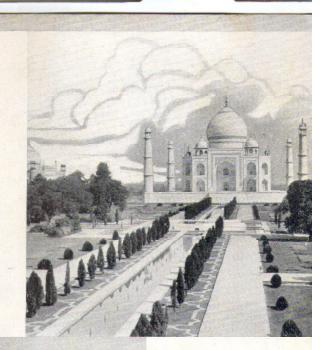
Thousands of manufacturing plants, machine shops and industrial establishments throughout the United States and 96 countries and colonies abroad are equipped with South Bend Lathes for doing every type of machine job in all kinds of materials. The representative type of modern shop shown here is the Imperial Brass Company, Chicago, Ill.







Some of the most interesting installations are in countries abroad. In many instances modern and up-to-date devices and equipment will be found alongside primitive make-shift arrangements for doing similar work. In India, China and in Africa these contrasts are as evident in mechanical development as in architecture. Modern Science and Industry are taking hold in every country and demand the use of high class machines and instruments of precision and accuracy.

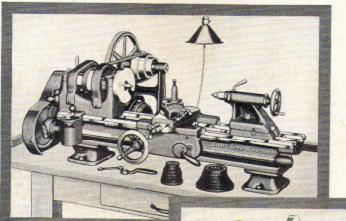


Above — The Taj Mahal, one of the rarest and most beautiful examples of architecture in the world.



Above—Mechanical Laboratory of Mr. R. Madhava Rau, Mylapore, Madras, India. Mr. Rau is a scientist, and in this shop, which is equipped with a South Bend Lathe, has developed some of the finest light ray refraction instruments obtainable anywhere.

At Right—A primitive lathe in the Punjab of India. Some very high class work has been done on simple equipment of this kind.

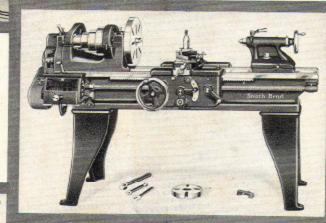


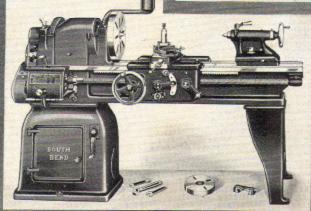
At Left—No. 415-Y 9" x 3' 1936 Model South Bend "Workshop" Horizontal "V" Belt Motor Driven, Back-Geared Screw Cutting Precision Bench Lathe.

One of the finest small lathes we have ever built,

At Right—No. 92-C 16" x 6' 1936 Model South Bend Overhead Countershaft Driven, Quick Change Gear, Back-Geared Screw Cutting Precision Lathe.

A popular type high quality precision lathe.





At Left—No. 192-C 16" x 6' 1936 Model South Bend Underneath Belt Motor Driven, Quick Change Gear, Back-Geared Screw Cutting Precision Lathe.

A practical, efficient and popular motor driven lathe.

Works at South Bend, Indiana. This organization was founded in 1906 and has grown and developed to an enterprise occupying the buildings shown here, which have a floor space of 180,000 square feet and with a ground area of 4½ acres devoted exclusively to the manufacture of South Bend Back-Geared Screw Cutting Precision Lathes.



GENERAL CATALOG

The new 72-page General Catalog illustrates, describes and prices the entire South Bend Line of Back-Geared, Screw Cutting Precision Lathes and also the complete South Bend Line of Chucks, Tools and Accessories.

A copy will be sent free, postpaid, without obligation to anyone interested in lathes or lathe work.





HOW TO RUN A LATHE

This interesting and instructive manual completely covers the care and operation of a back-geared, screw cutting lathe. It is the most popular text book on lathe work in the world and in addition is a valuable reference book. Contains 160 pages, size 5½"x 8".

A copy of "How to Run a Lathe" will be mailed anywhere in the world postpaid, 25c for the paper bound copy and 75c for the leatherette bound copy. Coin or stamps of any country accepted.

Book No. 71 Job No. 5342 IRXM—11-29-'35

A Few Other Users of South Bend Lathes

Machinery Industry

Champion Shoe Machinery Co. Singer Mfg. Co., Inc. American Laundry Mach. Co. Burroughs Adding Mach. Co. Allis-Chalmers Mfg. Co.

Electrical and Radio

General Electric Co.
Westinghouse Elec. & Mfg. Co.
Atwater Kent Mfg. Co.
Crosley Radio Corp.
Philco Radio & Television
Radio Corp. of America
WEAF—New York City
WBBM—Chicago, Illinois

Power Companies

Brooklyn Edison Co., Inc. Commonwealth-Edison Co. Detroit Edison Co. Minnesota Power & Light Co.

Oil Industry

Ethyl Gasoline Corp. Gulf Refining Co. Shell Oil Co. Sinclair Refining Co. Standard Oil Co.

Mining Industry

Anaconda Copper Mining Co. Alaska Juneau Gold Mining Morris Run Coal Mining Co.

Railroads

New York Central R. R. Pennsylvania R. R. Union Pacific R. R. Northern Pacific R. R. Southern Pacific R. R.

Aircraft Industry

Sikorsky Aircraft Corp. Scintilla Magneto Co. Pan-American Airways Pratt & Whitney Aircraft Co.

Steel Industry

Bethlehem Steel Co. Carnegie Steel Co. Inland Steel Co. U. S. Steel Corp. Youngstown Sheet & Tube Co.

Automotive

Cadillac Motor Car Co.
Chevrolet Motor Co.
Chrysler Corp.
Ford Motor Co.
Hudson Motor Co.
Nash Motors Co.
Packard Motor Car Co.
Studebaker Corp. of America
White Motor Co.
A.C. Spark Plug Co.
Bendix Aviation Corp.
Firestone Tire & Rubber Co.
Fisher Body Corp.
Goodyear Tire & Rubber Co.
Tropicaire, Inc.

Textile Industry

Amoskeag Mfg. Co. Chenango Textile Corp. Patchogue—Plymouth Mills Corp. Southern Worsted Corp.

Printing Industry

Chicago Tribune New York Times Philadelphia Inquirer

Instrument Manufacturers

Eastman Kodak Co. General Electric X-Ray Corp. Leeds & Northrup Co. Eugene Dietzgen Co. Minneapolis Honeywell Co.

Steamship Companies

American Hawsiian S.S. Co. Munson Steamship Lines Panama Mail Steamship Co.

Shipbuilders

American Shipbuilding Co. Bethlehem Shipbuilding Corp. Newport News Shipbuilding

Chemical Industry

Dow Chemical Co.
E. I. duPont deNemours
Lambert Pharmacal Co.
E. R. Squibbs & Sons, Inc.

Appliance Manufacturers

Frigidaire Corp. The Hoover Co. Kelvinator Corp. Servel, Inc.