



Reuter





*Reuter*

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BUILDERS OF FINE ORGANS FOR  
NEARLY HALF A CENTURY

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THE REUTER ORGAN COMPANY  
LAWRENCE, KANSAS

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DETAIL FROM OLD GERMAN WOODCUT

**A FREQUENT SOURCE** of amazement to visitors at the Reuter factory is the amount of painstaking handwork that goes into each Reuter organ; a fact no doubt exemplified by the age in which we live—an era of hurry up production in



which quality often is considered last if at all. Precise control during the manufacturing process is vital to the success of a pipe organ, and while accurate and modern machines are utilized as an aid to efficient workmanship, methods of mass production cannot be tolerated by a truly fine builder. At Reuter every step from the initial designing through the final installation and tonal finishing is undertaken by experts who are specialists in their own particular phase of organ building.

Except in certain situations where an instrument is built solely to fulfill a specific (limited) need, we at Reuter believe that an organ must contain tonal resources which, in the hands of a qualified organist, are capable of interpreting the entire scope of organ literature. Proper tonal design on paper is essential, but the critical factor is the sound which the builder will impart to the stop names through the scaling and voicing of the pipes. It is difficult, if not impossible, to discuss adequately sound in words, but we are certain that upon hearing today's Reuter organ you will be impressed immediately by a most satisfying and musically elegant tone—a tone which elevates the Reuter to the status of a superb articulate medium rather than a mere mechanical device.

Confidence in the builder of your organ is of prime importance, and such confidence can be assured only by a builder who has a reputation for consistently fine work demonstrated through many uniformly successful installations. When you purchase a Reuter organ yours will be the pride of ownership in possessing a product of known superiority.

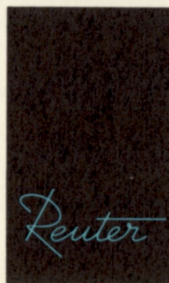




*Reuter engineers  
planning an installation.*

**ENGINEERING** Because each Reuter organ is built in accordance with a definite contract signed with the individual purchaser involved, every instrument is a separate and distinct engineering project. A successful installation demands careful attention on the drawing board, and the Reuter architectural and engineering staff must correctly assimilate all materials and properly plan to achieve the desired result.

In addition to planning each installation, this depart-



ment also is responsible for the design of consoles, cabinet work, grilles, handcrafting and many other appointments.

Such meticulous preparation, coupled with the fact that Reuter manufactures virtually every component part used throughout the entire instrument, is a vital factor in assuring the mechanical and tonal excellence of each Reuter pipe organ. A continuing search for better materials and more efficient methods of production is constantly in process at the Reuter factory.

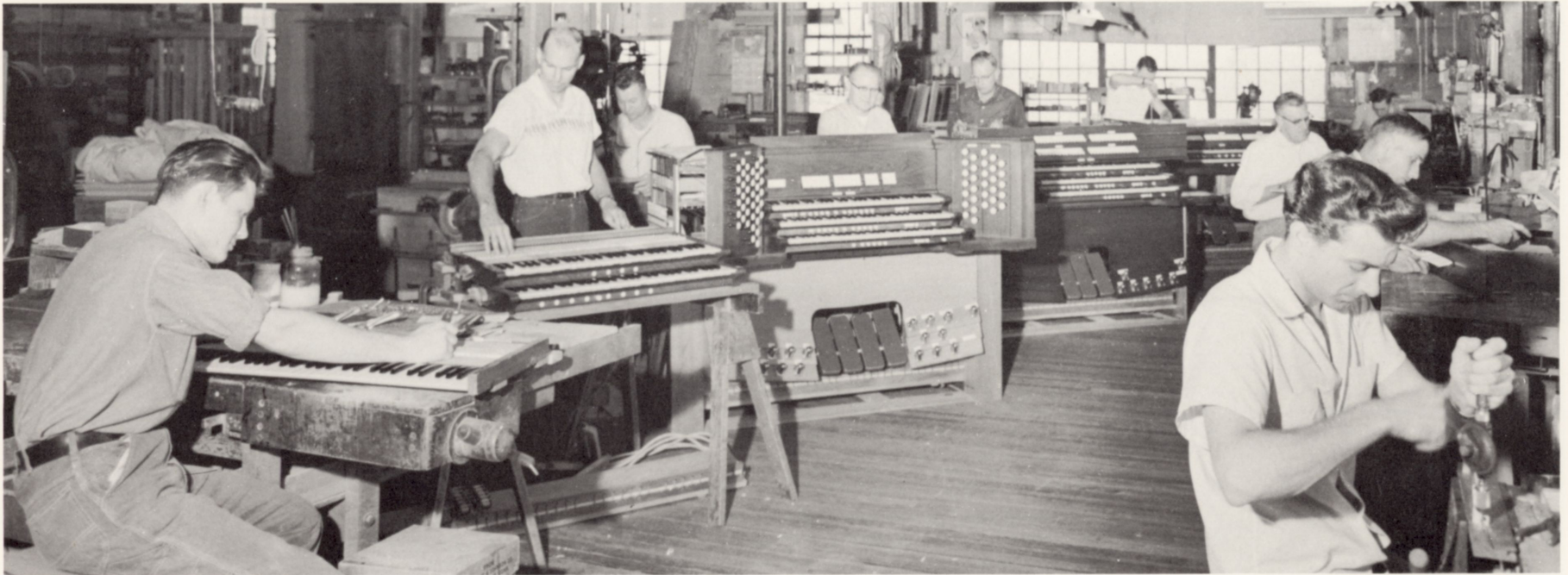


**FACTORY**

*Manufacturing plastic covered keys.*

**CONSOLE DEPARTMENT** Simplicity of design and perfection of control, coupled with complete reliability and accessibility of mechanism, are keynotes of Reuter precision constructed consoles. The key action yields a uniformity of touch whether one or the entire series of couplers is brought into operation, and tracker type touch is available if desired. Self-cleaning contacts are of sterling silver, .925 fine, to give a lifetime





*A section of the console department.*



*Adjusting the keys for proper pressure.*

of trouble free service. Combination pistons, positive and quiet in operation, are instantly adjustable at the keyboard. A capture type system located in the console and complete in itself is available, thus eliminating the need for expensive remote control mechanism. Keys may be of either plastic or English Ivory covering, depending upon the choice of the purchaser.



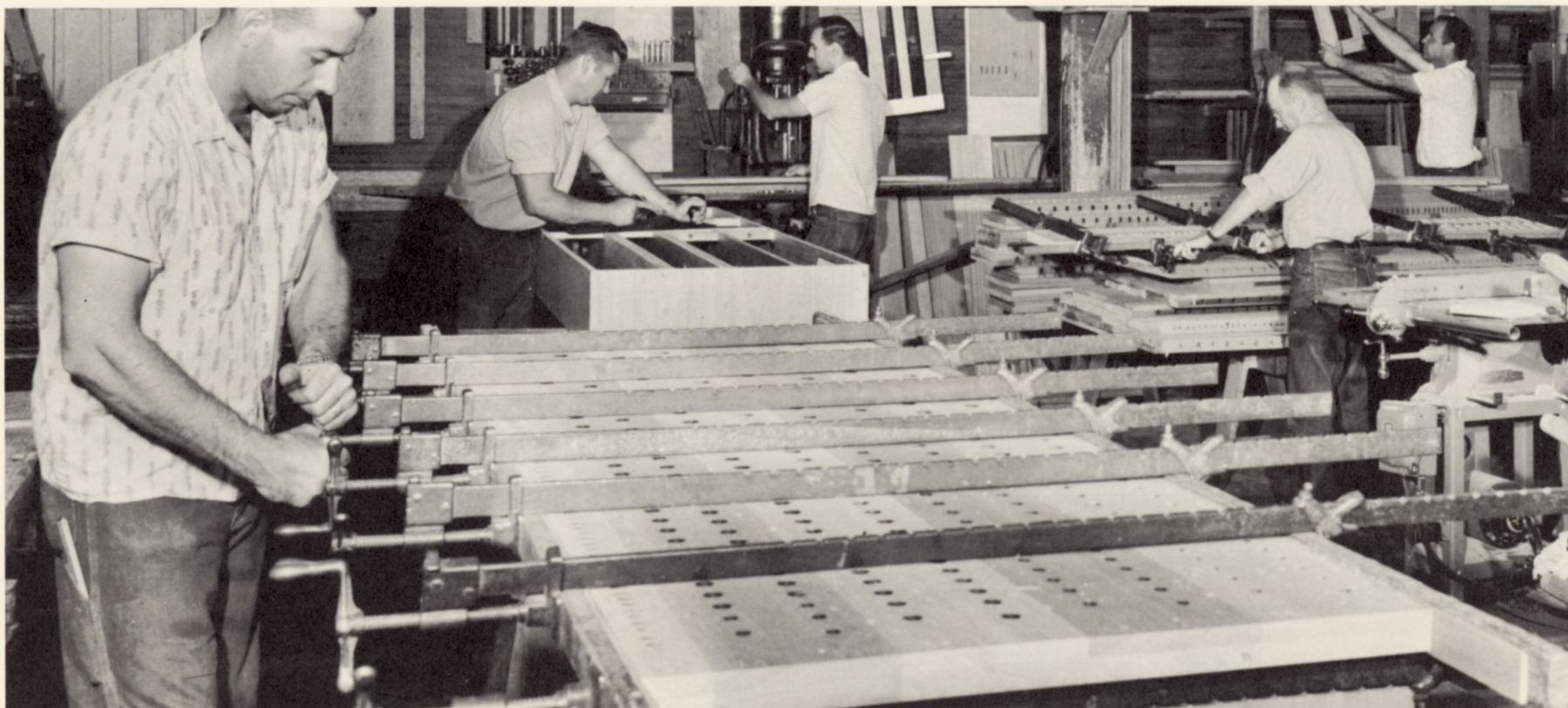


*Wiring a switch action.*



*Making an adjustment in the combination action.*





*A section of the wind chest department.*



*Leathering a reservoir.*

**WIND CHESTS AND RESERVOIRS** Simplicity and highly efficient operation are outstanding features of the Reuter electro-pneumatic, pitman type wind chests. The individual diaphragm valves, made of the finest imported bark-tanned lambskin, are positioned to permit proper promptness of pipe response for clarity of speech.

Valveboards are mounted in sections which are easily removed from below, should adjustment become necessary on rare occasions. Proper steadiness of wind supply to the pipes is always assured by the large wind capacity of the chests, ample wind conductors, concussion bellows and generous reservoirs.



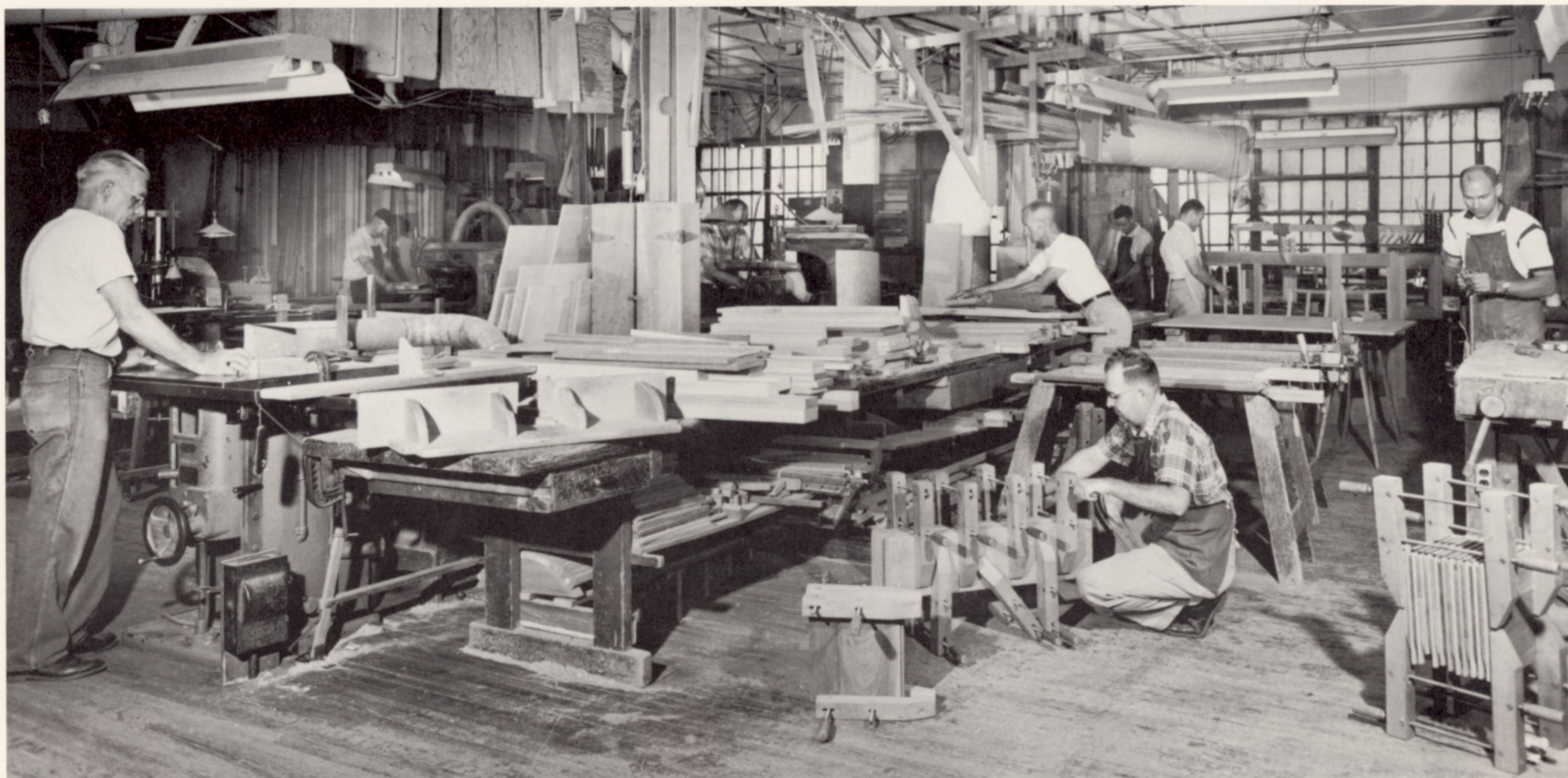


*Seating the valves in a primary action board.*



*Leathering a puffboard.*

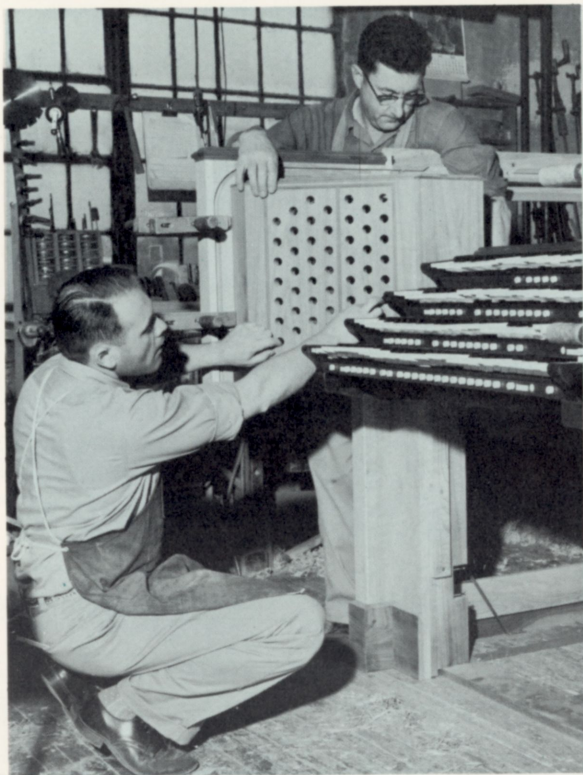




*A view of a section of the casework department.*

**CASEWORK DEPARTMENT** Reuter employs artisans of the highest caliber whose skill in the cabinet making is unsurpassed. In their phase of the organ building art, these craftsmen can perfectly construct all components to harmonize with the architectural environment in which the organ is to be placed.





*A draw knob console in the early stages of construction.*



*Adjusting the key tension of a pedalboard.*



*Lathe work by a Reuter craftsman.*



*Fitting a trace on a set of expression shutters.*

*Exclusive with Reuter are fiberglass filled aluminum expression louvers combining highly effective sound control with desirable lightweight construction.*





*A view of a portion of the metal pipe shop.*



*Pouring of the molten tin and lead which will be formed into a sheet of pipe metal.*

**PIPE MAKING** Excellent tone is impossible without properly constructed pipes, and for this reason every pipe incorporated in Reuter organs is made at the Reuter factory.

In the construction of wood pipes only the finest mahogany is used, supplemented by other hardwoods for the voicing blocks and caps. All wood pipes are glued with a waterproof glue, and inner surfaces also are given a careful sizing of this special glue to insure full protection against all climatic and atmospheric extremes.

Metal pipes are made from a special alloy of pure block tin and pure refined lead, or from annealed zinc for necessary strength in pipes of larger size. The actual alloying and casting of the pipe metal is done at the Reuter factory to insure the exact composition of metals required for specific tonal results.

Fabricating of the materials into finished pipes is undertaken by technicians with many years of pipe making experience who excel in this important phase of organ building.





*Rolling up a sheet of newly cast pipe metal.*



*Making large zinc metal pipes.*



*Smoothing the edges of zinc pipe feet prior to soldering.*



*Drilling blocks for reed pipes.*



*Soldering the seam of a metal pipe.*



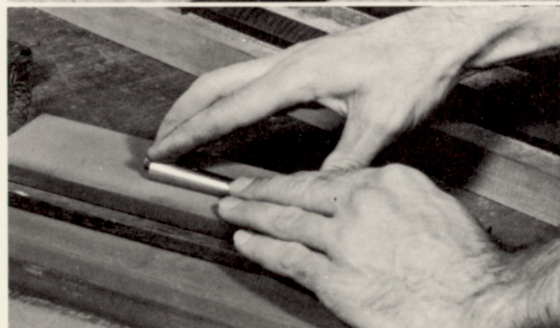
*A section of the wood pipe shop.*





*One of the flue voicing rooms. Pipes are shown in the process of preparation and voicing.*

*Putting the final curvature into a reed tongue. This is one of the many operations requiring meticulous care.*

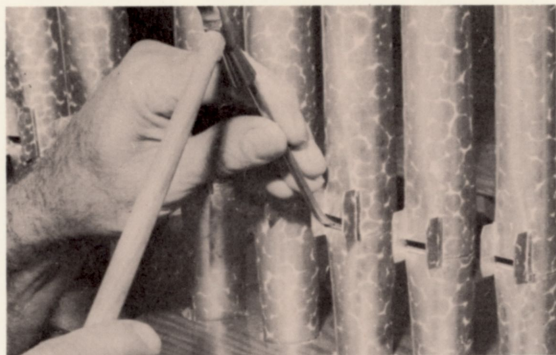


*Final polishing of the eschallots for reed pipes.*

**VOICING** Voicing is the process whereby the pipes are actually made to speak or sound. First the "C's" in each rank are set to obtain the necessary power and color of sound desired, and these then serve as a guide in voicing the remainder of the pipes in the organ.

Because the acoustical properties at the site of installation differ from those in the voicing room, a further process known as tonal finishing is undertaken after the organ is installed to adjust the sound of each pipe to its final environment.





*Adjusting the languid of a metal pipe.*



*Nicking a metal pipe.*



*Final sanding of the languids of wood Bourdon pipes.*



*One of the reed pipe voicing rooms. The set of pipes being voiced is a trumpet.*

*Making the "cut-up" on the upper lip of a metal pipe.*







*A view of the erecting room. The instrument shown is assembled for final testing before shipment to the site of installation.*

**ERECTING AND TESTING** Every Reuter organ, regardless of size, is completely assembled and tested before shipment to the installation site. This final process undertaken just prior to actual shipment insures that each instrument leaves the factory correctly constructed in accordance with the specifications called for. Actual installation of the organ is made by factory technicians or qualified area representatives.





*Section of an organ being assembled for testing.*



*Racking reed pipes.*



*Placing pipes on the wind chest.*

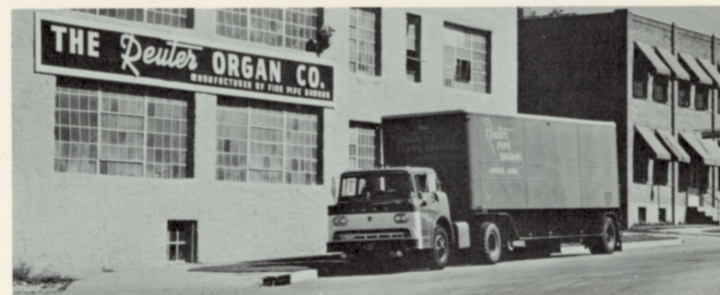
**SHIPMENT** The many parts of a pipe organ require extreme care during shipment to insure that the instrument will arrive in perfect condition for installation. For this reason Reuter operates its own modern truck trailer. Loading and unloading are carefully supervised to avoid damage.



*Loading a console onto the Reuter truck for shipment.*



*Final shipping papers for a new Reuter organ about to leave the factory.*





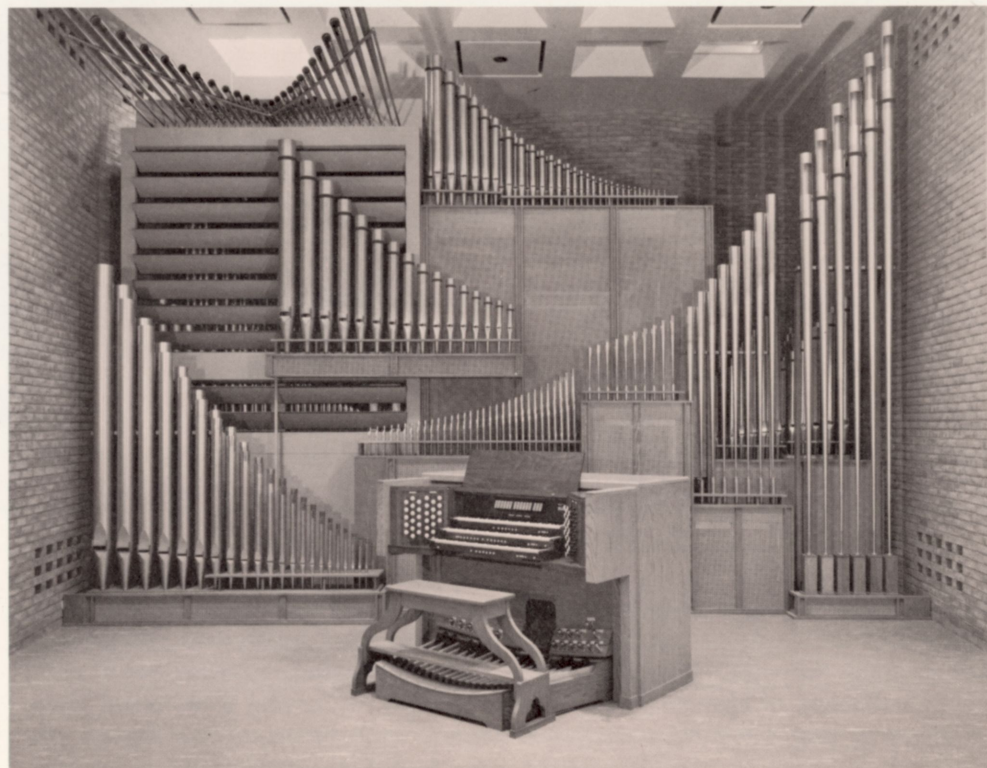
**STUDIO TEACHING ORGANS, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, AND UNIVERSITY OF NEBRASKA, LINCOLN, NEBRASKA** Pictured are Studio Teaching Organs which Reuter has recently built for the Music School of two of the nation's leading universities.



**FORNIA** Arranged in an attractive visual display, the exposed pipework of this organ complements the contemporary architecture of the building and becomes an integral part of the overall design. Enclosed resources are situated to the rear of the exposed pipes in a swell box, the front of which is visible in the photograph.



*Studio Teaching Organ, University of Nebraska, Lincoln, Nebraska*



*Studio Teaching Organ, University of Michigan, Ann Arbor, Michigan*





*First Methodist Church, Garden Grove, California*



**ST. MARTIN'S EPISCOPAL CHURCH, PROVIDENCE, RHODE ISLAND** Located in the front two arches, the exposed Great division of this three manual organ holds an advantageous position for the support of congregational singing and full choral accompaniment. Behind is pipework of expressive Swell, Choir, enclosed and unenclosed Pedal.



**FIRST PRESBYTERIAN CHURCH, DECATUR, ILLINOIS** Pipework of the Great division and a portion of the Pedal is exposed and cantilevered into the sanctuary. Immediately to the rear are the resources of the expressive Swell and Choir organs and the remainder of the Pedal. The console and choir are located in the balcony area of the church.







*First Presbyterian Church, Decatur, Illinois*

*St. Martin's Episcopal Church, Providence, Rhode Island*



**ST. MARY'S EPISCOPAL CHURCH OF LAKEWOOD, TACOMA, WASHINGTON** All pipework of this organ is entirely exposed with the instrument located in a free standing manner in the rear balcony of the church. Maximum efficiency is realized under such ideal installation conditions with the result that a small organ such as this may actually out perform a larger instrument with resources not so favorably placed.

**ST. JOHN'S CATHOLIC CHURCH, LAWRENCE, KANSAS** A pleasing balcony installation in which the exposed pipes are arranged to compliment an existing rose window. Additional pipes are placed in a swell box, the front of which



is visible to the right of the exposed pipes in the photograph. Good location plus live room acoustics enhance the sound of this excellent small two manual organ.

**UNIVERSITY OF HOUSTON, HOUSTON, TEXAS** Though not an overly large three manual instrument, this organ has earned a reputation for excellence and is regarded as one of the finest in the south Texas area. It is installed in the balcony of the Religion Center Chapel at the university.

**ZION LUTHERAN CHURCH, CLEAR LAKE, IOWA** Situated in the rear balcony area of the church, this two manual organ enjoys an excellent location from which to support choir and congregational singing.



*St. Mary's Episcopal Church of Lakewood, Tacoma, Washington*



*St. John's Catholic Church, Lawrence, Kansas*





*University of Houston, Houston, Texas*



*Zion Lutheran Church, Clear Lake, Iowa*



**WESTMINSTER PRESBYTERIAN CHURCH, OKLAHOMA CITY, OKLAHOMA** This large instrument contains four divisions playable from the three manuals of the console. Pipework of the Great and Positiv sections, as well as a portion of the Pedal is exposed, while that of the Swell and Choir divisions is enclosed, thus providing the flexibility and resources demanded by the church music program and for the satisfactory performance of the varying types of organ literature. This installation is recognized as one of the most outstanding in the entire Midwestern United States.

**WITTENBERG UNIVERSITY, SPRINGFIELD, OHIO** "Contemporary American" is the term which perhaps best describes both this large three manual organ and the chapel



in which it is located. Both represent a blending of the best from the past and present, and while functional in every sense of the word, incorporate all the beauty of the traditional style. Pipework of the organ is situated in an excellent and commanding position behind altar dossal curtain.

**REDEEMER LUTHERAN CHURCH, WAYZATA, MINNESOTA** A balcony location for organ and choir allows the sound to egress freely into the sanctuary in an unhindered manner. Even though not large as far as the number of ranks of pipes is concerned, the flexible tonal design of this excellent instrument with its favorable location make it highly successful in fulfilling the musical needs of this church. The Great is exposed with the Swell being expressive.



*Westminster Presbyterian Church, Oklahoma City, Oklahoma*





*Wittenberg University, Springfield, Ohio*



*Redeemer Lutheran Church, Wayzata, Minnesota*



**AUBURNDALE BAPTIST CHURCH, LOUISVILLE, KENTUCKY** Housed in the open area to the left of the choir is the pipework for this two manual instrument. Although containing only 11 ranks of pipes, this organ has been praised both tonally and from the standpoint of flexibility. It offers proof that an instrument of moderate size when properly designed, constructed and installed can, in the hands of a qualified performer, prove extremely effective.

**SPURGEON METHODIST CHURCH, SANTA ANA, CALIFORNIA** The distinctive grille located to the rear of the



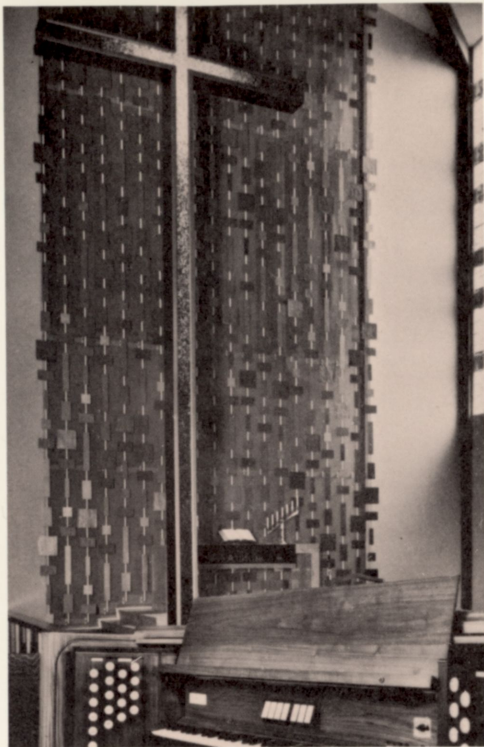
altar area forms the frontpiece for the organ chambers situated immediately to the rear. Choir and console occupy the left chancel area with the latter being visible in the foreground of the picture.

**NATIONAL CATHEDRAL (EPISCOPAL) WASHINGTON, D. C.** This instrument originally was built for the Chapel of St. Joseph of Arimathea at the Cathedral, this instrument has been permanently housed in the main nave where it is used for accompanimental purposes and in conjunction with other instruments. The entire organ is situated on a movable platform.



*Auburndale Baptist Church, Louisville, Kentucky*





*Spurgeon Methodist Church, Santa Ana,  
California*



*National Cathedral (Episcopal), Washington, D. C.*



**NORTHMINSTER PRESBYTERIAN CHURCH, INDIANAPOLIS, INDIANA** Housed by this distinctive casework the pipes of the Great division and some of the Pedal are not only functionally exposed but create a striking design which complements the architecture of the church. Situated behind is the remainder of the organ with the exception of the exposed Positiv located on the opposite chancel wall.



**COLORADO WOMAN'S COLLEGE, DENVER, COLORADO** One of the outstanding organs in the Rocky Mountain area, this three manual teaching and recital instrument occupies a most excellent location in the balcony of the chapel, allowing the tone to be heard entirely without obstruction. A swell box housing the pipework of the Swell division is situated directly behind the large pedal principal pipes.



*Northminster Presbyterian Church, Indianapolis, Indiana*





*Colorado Woman's College, Denver, Colorado*



**FIRST METHODIST CHURCH, PITTSBURG, KANSAS**  
 Pipework of the Great and Positiv divisions, as well as some of the Pedal, is exposed, being placed on wind chests on either side of the chancel area. That of the Swell organ is located in a chamber area directly to the rear of the Positiv. Not only does the exposed pipework add to the musical success of this fine organ, but along with the accompanying casework serves to enhance the entire visual appearance of the sanctuary. The console is situated in rear chancel area.

**CHURCH OF THE HOLY TRINITY, LINCOLN, NEBRASKA**  
 Resources of this three manual organ are placed across the entire width of the church to the rear of the altar area. The unenclosed Great and Pedal pipework is situated in the



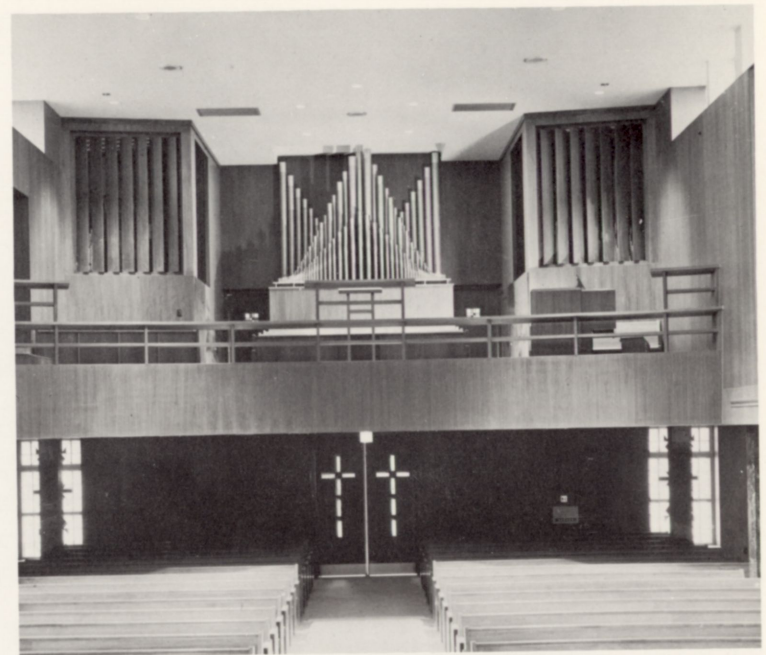
center with that of the expressive Swell and Choir sections occupying the side areas. The full frontal openings which allow excellent egress of the tone into the chancel and sanctuary areas place this instrument virtually in a free standing category. Future plans call for the inclusion of an Antiphonal division to be located at the rear of the church.

**ST. FRANCIS MAJOR SEMINARY, MILWAUKEE, WISCONSIN**  
 During their expansion and modernization program this century old seminary chose a new three manual Reuter organ to fulfill the high standards of their music program. The instrument occupies an excellent rear balcony location where its free standing position allows the tone to be heard throughout the entire room without obstruction.



*First Methodist Church, Pittsburg, Kansas*





*St. Francis Major Seminary, Milwaukee, Wisconsin*

*Church of the Holy Trinity, Lincoln, Nebraska*



**FIRST BAPTIST CHURCH, WORCESTER, MASSACHUSETTS** The large four manual Reuter organ in this church is winning wide acclaim as one of the truly fine instruments in the entire northeastern United States. Of special interest is the reed en-chamade chorus on the Fanfare division. The console, ordinarily located to one side of the chancel area, is situated on a moveable platform so that it may be moved to the center for recital purposes and other special events.

**KNOX COLLEGE, GALESBURG, ILLINOIS** Installed as a teaching and recital instrument this organ enjoys an excellent free standing position on the stage of the music hall auditorium. All pipework is completely exposed and the large wood reflecting shell serves to focus the tone and direct



it towards the listener. This organ was originally built for the American Guild of Organists National Convention in Houston, Texas, and was later purchased by Knox College.

**HOLY NAME CATHOLIC CHURCH, DUQUESNE, PENNSYLVANIA** Actual speaking pipes of the organ form the frontal design located above the plain casework. Pipework of the Great division is unenclosed and that of the Swell section is expressive being located within a swell box. The excellent sound of this moderate two manual organ is greatly enhanced by the very live acoustics of the room, thus achieving the always desired but too seldom realized result brought about by excellent free standing placement coupled with a sympathetic acoustical environment.



*First Baptist Church, Worcester, Massachusetts*





*Knox College, Galesburg, Illinois*



*Holy Name Catholic Church, Duquesne, Pennsylvania*



**FIRST CHRISTIAN CHURCH, RICHMOND, KENTUCKY**  
 Pipework of this three manual organ is behind the grilles located in the two corners of the chancel area. As such the instrument is actually free standing since these areas are within the confines of the room proper. The Great, Positiv and Pedal are unenclosed while the Swell is expressive.



**FIRST METHODIST CHURCH, CORPUS CHRISTI, TEXAS**  
 The Reuter organ in this church is recognized as one of the finest in the South Texas area. The pipework occupies positions on the sides of the chancel area with excellent tone openings allowing free egress of sound. An antiphonal organ eventually will be installed in the rear of the church.



*First Christian Church, Richmond, Kentucky*





*First Methodist Church, Corpus Christi, Texas*



**SOUTHEASTERN BAPTIST THEOLOGICAL SEMINARY, WAKE FOREST, NORTH CAROLINA** Both organ and choir are located in the chancel area of the chapel with the organ pipework situated to the rear and sides of the singers. The central console placement enables the organist to properly hear the balance between organ and choir. This installation has gained prominence as one of the most outstanding Reuter organs in the southeastern part of the country.

**FIRST BAPTIST CHURCH, MARIETTA, GEORGIA** Located above and to either side of the choir area are the two exposed wind chests containing the pipework for the Great division of this organ. The Swell, Choir and Pedal



sections are expressive being situated in chamber areas immediately to the rear of the exposed Great. Nave as well as chancel tone openings are provided for the enclosed portions. An antiphonal section is in the balcony.

**PLYMOUTH CONGREGATIONAL CHURCH, DENVER, COLORADO** Situated behind the grille across the rear of the chancel area this three manual instrument is afforded an excellent position. With the choir immediately in front the sound of both singers and organ carries freely throughout the sanctuary. The very open design of the grille is an extremely important factor, as one of heavy close knit texture does not permit the proper transmission of sound.



*Southeastern Baptist Theological Seminary, Wake Forest, North Carolina*





*First Baptist Church, Marietta, Georgia*



*Plymouth Congregational Church, Denver, Colorado*



Reuter  
ORGANS

**CONSOLES — FINISHED PRODUCT** Obtainable in a variety of styles and finishes, Reuter consoles are built to harmonize with the architectural surroundings in which they are placed and to provide the organist with instant

and positive control of the entire instrument. A bench, adjustable in height, and a built-in fluorescent music rack light are standard equipment on all Reuter consoles. Pictured is a representative group of Reuter consoles.



*Two manual stop key console. Recessed Gothic style case.*

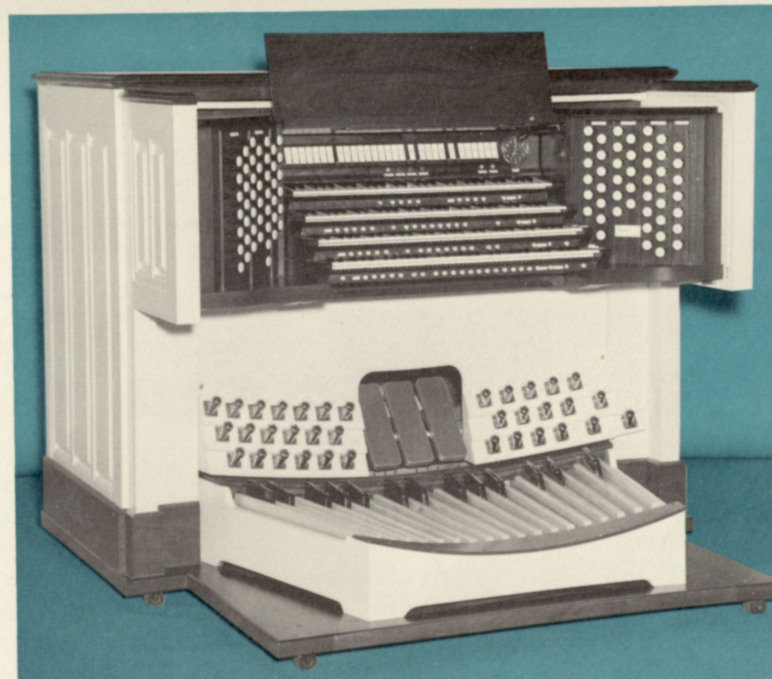


*Two manual draw knob console. Plain slab style case.*

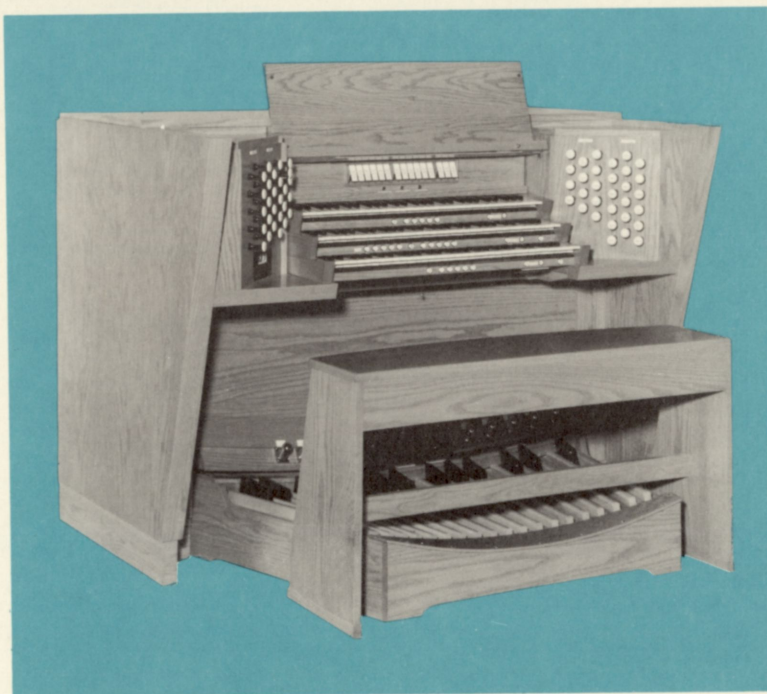




*Two manual Contemporary console. Plain slab style case.*



*Four manual draw knob console. Recessed raised rectangular panel case.*

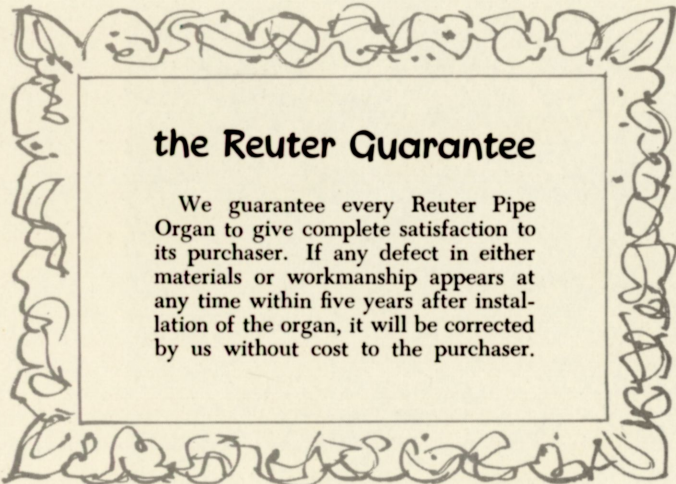


*Three manual draw knob console. Contemporary style case.*



*Three manual draw knob console. Recessed rectangular panel case.*





### the Reuter Guarantee

We guarantee every Reuter Pipe Organ to give complete satisfaction to its purchaser. If any defect in either materials or workmanship appears at any time within five years after installation of the organ, it will be corrected by us without cost to the purchaser.

**EACH REUTER ORGAN** regardless of size, is an original creation designed and built especially to fulfill a particular individual need. Meticulous care and workmanship plus the finest materials are combined to give you, both tonally and mechanically, an instrument of unsurpassed quality. Methods of mass production would slightly decrease the cost but only at an unthinkable sacrifice in artistry. A good tonal plan as envisioned in the stop list is important. However, the vital factor is the interpretation of the sound that the builder will attach to those names, taking into consideration such items as acoustics, location, and the use of each instrument. In an organ one is buying first and foremost the skill and artistry of the workmen involved — and all else, while important, must be subordinated to the realization of that fact.

The purchase of an organ is a matter requiring careful consideration, for in all probability it is to be a lifetime investment. The saving of a few dollars at the sacrifice of quality is not worth even the slightest consideration. Tonal success or failure is evident only upon completion of the instrument and at that point the builder will have proved or disproved his ability.

Reuter possesses the facilities and personnel, ability and integrity, to fully satisfy your requirements and to build for you an organ capable of producing the result you desire.





THE REUTER ORGAN COMPANY / LAWRENCE, KANSAS