THE LUDWIG

Guarantee

We guarantee that Ludwig drum heads are made of the finest quality calfskin obtainable, and that they are expertly processed by skilled workmen, but it is impossible to guarantee drum heads against breakage. Each head is carefully selected and inspected before it is shipped. Examine it carefully before using. If it is unsatisfactory in any way, return it stating your objection, and if we are unable to select another head to suit you, we will refund your money. However, we cannot guarantee or replace a head after it has been wet or subjected to usage. Look for the Ludwig trade-mark before purchasing a drum head—It is your guarantee of Ludwig quality and satisfaction.

Goods of foreign manufacture—imported cymbals, Chinese Tom Toms, Chinese Wood Blocks and Chinese Temple Blocks—cannot be guaranteed to withstand even normal usage under our atmospheric conditions because of the Oriental workmanship and materials used. We do, however, make the most careful selections possible to assure our customers of the greatest possible satisfaction and service in these items. Because of our large purchases, we are permitted to select the finest merchandise of the best importations for our customers. Look for the Ludwig trade mark on these items—it is your guarantee that they are the finest obtainable in materials, workmanship and tone. Insist on purchasing the genuine Ludwig importations. They are not bona-fide Ludwig importations unless the Ludwig name is plainly evident in a prominent place.

THE LUDWIG POLICY AND SERVICE

LUDWIG Drums and Accessories and Banjos are recognized by exacting professional Drummers of Symphony, Theatre, Stage, Radio, and Recording Orchestras, Bands, and Drum Corps as the “Drum Standard of the World.” Made in the world’s largest and most modern plant of its kind in existence, you are assured of the finest quality merchandise that skilled workmen, the best materials, and specially designed machinery can produce.

Our Research Staff, headed by Mr. Wm. F. Ludwig himself, is responsible for most of the major developments and improvements now standard on Drums and equipment as shown in this catalog. It is the Staff’s constant aim to serve the Drummer with the best and most practical instruments possible.

Drum Corps Headquarters, a special department within the company, is devoted exclusively to the promotion and development of Drum Corps interests among all kinds of organizations. All technical and special problems may be submitted to this department for solution without charge or obligation. A special booklet, known as the Ludwig “How They Come” Booklet, has been prepared which contains practical ideas for the formation of Drum Corps. This booklet will be mailed free to anyone interested in forming a Drum Corps.

The Service Department, composed of experienced men, will serve you gladly in questions on service, repairs, adjustments, and use of Ludwig Drums and equipment.

The leading Musical Instrument Dealer in each locality sells Ludwig Drums and equipment, and is always at your service. If you do not know where your local dealer is, we will supply his name on request. If there is no Ludwig Dealer in your community we will supply the name of the Ludwig Dealer nearest your home.

In ordering state how goods are to be shipped, and add an amount sufficient to cover shipping charges. Make your order as plain as possible, giving the catalog number, description, size, and finishes, and other information that will enable us to serve you most satisfactorily.

All prices are F. O. B. shipping point and are subject to change without notice. Telegram Orders must be sent prepaid, and are executed at the sender’s risk. We suggest that you confirm them by letter.

Remittances are safest when made by Money Order. Please do not remit currency. Stamps will be accepted for amounts less than one dollar. All detail prices must be accompanied with not less than 10% of the value, balance C. O. D. unless special terms have been made.

Return Goods. Merchandise ordered from us which is found not satisfactory may be returned for credit providing you receive our written instructions first. Returned merchandise must be sent prepaid. Write us fully as to the reason for returning and mark packages plainly.

Our Cable Address is “LUDRUM CHICAGO.”

Our Policy is to serve the Drummer faithfully, to be ever watchful for his interests, to help him in his problems, to make his work easier, and to champion his cause. It is our pleasure to serve you in every way.
LUDWIG DRUMS AND ACCESSORIES
LUDWIG SILVER ANNIVERSARY

A MUSICAL comedy, The Follies of 1910, was responsible for the beginning of Ludwig & Ludwig. When the Follies opened at the Auditorium Theatre in Chicago, it was evident that the old-fashioned swing foot pedal was not capable of sustaining the pronounced drum rhythm demanded by the director, Morris Levi, for the newly developed form of ragtime which had come into vogue. A new type pedal had to be devised to satisfy the director's exacting demands for syncopation and volume.

William F. Ludwig, then one of Chicago's most prominent professional drummers, began experimenting with designs for a new pedal. Crude wood models were made with an elevated shaft, and these was developed the original Ludwig pedal with the proper stroke for modern music.

Local drummers displayed such an interest in this new pedal that Mr. Ludwig decided to open a drum shop for the manufacture of the pedal and other accessories to conform to the changing musical trend. In 1910, William F. Ludwig announced the opening of a Drum Shop at 134 East Van Buren Street, Room 606, in the old Osborn Building. Production of the Ludwig pedal was started in the basement of the old Ludwig house at 1226 W. 20th Street, Chicago. At that time the manufacture of drum equipment was just a sideline. In the fall of 1910, Theo. E. Ludwig, who had been playing a summer engagement with the famous James Band in Denver, returned to Chicago and joined his brother to form the firm of Ludwig & Ludwig.

During the winter of 1910, the Ludwig All-Metal Drum was developed in the basement factory at 1226 W. 20th Street. Here, also, was produced the first throw-off strainer. These three items—the Ludwig Pedal, the Ludwig All-Metal Drum, and the Ludwig Muffler, as the strainer was called at that time—formed the foundation of the Ludwig & Ludwig business and all three, with slight changes, have served the profession not only in this country but in all parts of the world, for the past twenty-five years.

The rapidly increasing demand for Ludwig merchandise soon necessitated a move to larger manufacturing quarters on the top floor of a large building at 14th Street and Western Ave, and the line was increased with the addition of wood shell snare and bass drums, as well as thumb screw rods and other drum accessories.

In 1918, the present building at 1611 North Lincoln Street was purchased but even then the facilities of its three stories then proved too small, and an annex was built in 1921.

The intervening years brought many changes and improvements in the Ludwig line and the addition of new and revolutionary merchandise. From William Ludwig's experience as tympanist with the Pittsburgh Symphony Orchestra in 1910 and 1911 came important changes in tympani construction. From his experiences on the hand-tuned tympani of that period came the finest hydraulic tuning tympani in 1913, followed by the cable tympani in 1918. Many cable tympani are still in use with such prominent organizations as the Minneapolis Symphony, the Cleveland Symphony, the Detroit Symphony, and many others. Further improvements replaced the cables with steel pull rods in 1921, and from this model came the present Ludwig Balanced Action, Pedal-Tuned Tympani—the finest, most practical, and easiest tuning tympani ever devised. Ludwig & Ludwig were the first to make only shell bass drums of Arco-Kraft construction. Many bass drums of this type have been in constant use for 20 years. They were the first to use toney finishes on drums. The first gold plated drum was made by Ludwig & Ludwig and sold to the late Vernon Castle, who in turn presented it to his drummer, Max Morris, in 1914.

In the drum corps field Ludwig & Ludwig have been pioneers in the promotion of drumming contests, developed the first chromatic answered aluminum beat-lyre and bugle-lyre, and were the first to make the modern patten bugles.

Throughout the years, Ludwig & Ludwig have been constantly on the alert to the drummers' needs, and their record of twenty-five years of steady and constant growth and success in both precision and proof of continued achievement in the drum world.

The Professional Career of Wm. F. Ludwig

Wm. F. (Bill) Ludwig is a musician because his father wished him to be one, and his study of the drums began when he was but a lad eight years old. Mr. Ludwig remembers when his father helped him put on his cap and coat, and they walked to see Mr. John Card, one of Chicago's foremost drummers back in 1897.

Young Ludwig was immediately started on the study of the drum rudiments which were to establish the foundation that later made it possible for him to hold some of the best drumming jobs in America. Music, as well as the drum rudiments, was included in his training and he studied the violin for several years.

At fourteen he started to play band jobs with his father in Chicago. At sixteen he started his first steady job with the Wood Bros. Circus, a wagon show playing from Chicago to New Orleans. Next he played under canvas with Uncle Tom's Cabin, followed by jobs with several road and musical shows. His Chicago experience included picnic, dance, skating rink, theatre, and political band-wagon jobs, for a drummer then had to be an all-around man.

A few of his main engagements were the Omaha Exposition, Chicago Grand Opera House, the Boston Band at New Orleans and later at the Buffalo Exposition. This was followed by an engagement with Fehlman's Band at both the St. Louis and Buffalo Expositions. Next a four-year tour with the English Grand Opera Company and then the Madame Butterfly Grand Opera Company. An offer from the Pittsburgh Symphony Orchestra resulted in an engagement there prior to a long association with the famous Chicago Grand Opera Company and the Chicago Symphony Orchestra. These are only a few highlights of his long career.
LUDWIG STAR USERS OF THE DRUM WORLD

Presenting a few famous users of Ludwig drums, percussion and mallet-played instruments. Space will not permit a complete listing of the many "big time" artists whose continuous use and endorsement of Ludwig equipment for many years has made Ludwig the "Drum Standard of the World."

ON THIS CATALOG'S COVER
Three prominent drummers (standing left to right) Roy Knapp, studio drummer of Radio Station WLS, Chicago; Charles Puchta, Don Russo’s Orchestra; EKO Palace Theatre, Chicago, and Johnny Jacobs of George Olsen’s Orchestra—watch another of their fraternity, Ralph Smith, NBC Chicago studio drummer, demonstrate a few rhythms on Ludwig drums and mallet-played instruments posed especially for this photograph. All four of these outstandingly fine drummers use Ludwig drums and tympani exclusively.

This is the man who makes those musical numbers from the NBC Chicago studio tick through your "spook-er" with that exhilarating cadence and precision—Ralph Smith, an outstanding drummer and a 100% big time Ludwig-er.

"Ludwig's are the best in the business for me," says Bertie Mahan, studio's rhythm-maker with Horace Heidt's Orchestra. And his statement is founded on 20 years of drumming, starting when he was only four years old.

Charles Puchta keeps the show going at the Palace Theatre, Chicago, in the pit orchestra directed by Don Russo, and he does it with Ludwig equipment—snare and bass drums, pedal, tam-tams and tympani.

Marty Royce sets the dance tune cadence for Johnny Demp's stellar orchestra of dance, stage and radio home. With his complete Ludwig outfit, Marty well merits a ranking at "Big Time Ludwig-er."

From center to count the dancing feet of the action have felt the rhythm of Graham Stevenson's Ludwig drums. It's a "feature performer" with Gus Arismendi's Orchestra; he knows drums, and he adores Ludwig the best.

For over eleven years, John W. Jacobs, who sets the dance cadence for George Olsen, and his Music, has been a devotee Ludwig-er. All of his drums and tympani are Ludwig, chosen "because of their perfection."

Page Two
Direct from Paris comes confirmation of the slogan—"Ludwig drums are the best in the world"—the exact statement of P. Colby, big time Ludwig-or at Radio Station "Place Dansante" and the Gaumont Theatre.

Among drummers for over seven years with Ted Weems' famous orchestra, praises his Ludwig Super suite drum and pedal lympont as The best ever. Director Weems and the Harlem crooner danes listen in agreement.

Canada concurs "Ludwig's are the best," says W. B. "Billy" Duncan, with Earl Hill's Canadian Pacific Orchestra, heard over both GACV network and NBC. From tympani to vibra-cello-elese Billy is 100% Ludwig.

Lillian Singer, with her beautifully designed 100% Ludwig equipment, provides the rhythm for Joe Roy Hatton's Orchestra, which in a single year has made "tops" in vaudeville, radio, recording, dance and screen.
LUDWIG
PEDAL-TUNED
TYMPANI

Ludwig Pedal-Tuned Tympani are recognized as the finest, most practical, most convenient, and easiest tuning tympani manufactured today. Their use by many of the outstanding professional tympanists in every type of musical organization where tympani are used is conclusive evidence of their superiority.

The normal range of Tympani, machine or hand, regardless of size, is from F below the staff in the bass clef to the octave G in the staff. In rare instances as in “Passacaglia,” low E is used, and in a few special and unusual cases higher notes are used; namely F♯ and G. These notes can be had on Ludwig Pedal Tympani. The low E, however, will not be as strong as the normal range scale unless an especially large kettle is used. The diameter of the Tympani bowl should be increased for low notes, and in cases mentioned above a 30” kettle would be better than a 28”. This is the reason for the use of three tympani where a large scale is used.

Another advantage of three tympani is that they necessitate less tuning and fewer changes. In large symphony orchestras even a fourth kettle is sometimes used for extremely high notes such as F♯ and G and even A. It is possible to force a standard size 25” tympani up to A, but the note will be poor in quality because the diameter of the bowl is too large for such a high note. On the other hand, this is true of the low notes secured on a 26” tympani. The regular 26” diameter kettle can be lowered in pitch to E and Eb but the tone quality will not compare to the same notes gotten on a 30” or 32” kettle.

A comprehensive diagram illustrating the normal tympani scale with the possible high and low notes that can be obtained is shown to the left for further clarity.

Features
The pedal is designed so the action is absolutely uniform, even, sure and easy. The pedal will hold any note in the scale even when the foot is removed.
Kettles are adjustable for height, for bearing spots, and can be fitted to the angle best suited to your requirements.
Kettles can be revolved like a piano stool without affecting the tone or the tuning.
Handles are low, so as not to interfere with playing or with passing from kettle to kettle.
Light tuning screws distribute the head tension evenly over a greater skin area.
Tympani can be used either on hand or machine tympani as the player wishes.

The illustrations show the travel of the pedal from low to high note positions.

The tone is up for low, down for the high notes. The action is easy and light.
LUDWIG NEW ROTARY TYMPANI

The new Ludwig Machine Tympini—tuned by revolving the kettles on their stands, are far faster than the hand type. Simple, easy, fast, and accurate to tune, scientific and sturdy in construction, they have already found favor in schools and other places where funds will not permit the purchase of the Natural-Way Pedal Tympini. Simply revolve the kettles to the right for the high notes, and to the left for the low notes—done as easily and quickly as adjusting a piano stool to proper height. Bowls are drawn in one piece of highest quality copper, and of a beautiful satin copper finish. Heads are tensioned with six hand screw handles which, like the hoops and stands, are heavily Nickel plated. Heads are choice transparent calfskin. Etricos can be adjusted to height, tilted to the desired angle, and removed from the bases for ease in transporting.

No. 286—Ludwig Rotary Tympini, 25" and 28" diameter, complete as described $250.00

Instructor, One Pair Sticks, and Fibre Head Protectors Included. $30.00 Extra

With Stands, Handles, and Hoops in Chromium plating $30.00 Extra

Push-About Tympini Wheels

An ideal and necessary accessory for Ludwig Pedal Tuned Tympini. Consists of sturdy aluminum frame, with vulcanized rubber wheels which attaches to the two legs of the tympini. Prevents the legs from folding when the tympini are in use. Permits easy moving of tympini on stage, in pit or studio. Ideal and practical for school use. To move the tympini simply raise the pedal off the floor and roll away. Wheels lock with thumb screw to prevent creeping when tympini are in use. Fits all Ludwig Pedal Tuned Tympini. Attaches and detaches with small thumb screw.

No. 2849—Push-About Tympini Wheels. Per pair $12.50

Tympani Trunks, Covers and Accessories

No. 284—Trunk for 25" Tympini. Each $45.00 Net
No. 285—Trunk for 28" Tympini. Each $45.00 Net

(See whether for Pedal, Hand, or Rotary Tympini and give size of kettles)

No. 282—Heavy fleece-lined, moisture and waterproof Tympani covers. State size of Tympini. Per pair $7.50
No. 2825—Folding Tympini Stands. Per pair $12.00
No. 2830—Tympini Tuning Pitch Pipe. Each $.75
No. 887—Ludwig Tympini Instructor (see page 48) 2.00

(See page 26 for Tympani Sticks)

LUDWIG PIONEER TYMPANI

The Ludwig Pioneer Tympini are specially designed and priced for school use. They are of excellent quality and will serve admirably wherever hand tuning tympani are insufficiently fast. They are sturdy, strong, and efficient, and are finished handsomely for display purposes.

Bowls are made in one piece of best grade copper and finished in a rich satin copper. Hoops, handles and stands are heavily Nickel plated, and choice transparent calfskin. Stands fold conveniently to a small space for packing.

Six self-aligning tuning handles are large and of unique design which permits quick removal and replacing of the beads, and are built low enough to allow absolute freedom in playing, and for passing quickly from one kettle to the other. Bowls can be tilted on the stands to suit the player’s individual needs or preference.

No. 2855—Ludwig Pioneer Tympini, 25" and 28" diameter, as described, per pair $150.00

Folding Stands, One Pair Sticks, and Fibre Head Protectors Included.

Page Five
CONCERT MARIMBA

EVENLY distributed in a marimba, will be found in this instrument—
a sweet, rich, mellow marimba tone with plenty of volume and exceptional carrying
power. Its beauty of appearance is second to none—assured because of its grace in
design, the selection of materials, and the usual splendid Ludwig workmanship through-
out.

The suspension bar mounting of bars that are graduated in width, and scientifically
correct resonators insure finest tone and fullest resonance. Resonator adjusting device
 permits resonator adjustment to most all temperature conditions.

BARS are thoroughly seasoned selected Honduras Rosewood accurately tuned to low:
(A 440) pitch. The split frames are finished in Ludwig White Avalon Pearl, and the
aluminum resonators are highly polished. The stand is Chromium plated and combines
the utmost in beauty with great strength and rigidity. The newly designed end-boxes and
bases are cast aluminum alloy beautifully finished in every respect.

The Ludwig Concert Marimba is easily set up, or taken down and packed in its con-
venient fibre board carrying cases. A few minutes. Four pairs of selected mats are
included with the instrument.

FRAME—Frames are maple finished with Lud-
wig Avalon (White) Pearl except where oth-
erwise stated. Choice of other Ludwig Pearls or
Flam are optional at no extra cost. Cast alu-
mium alloy end-boxes are of modern design,
and are beautifully polished.

STANDS—Newly designed stands combine max-
imum strength and rigidity with new beauty.
New "stepped arch" bases of cast aluminum
alloy are strong, light in weight and graceful in
design. Tubular steel uprights and channel
steel cross-bar with simple bracing and cross-
bracing combine to make this the most rugged
of any on the market today. Yet with all this,
the stands are easily set up or knocked down,
are light in weight, and pack conveniently in
their respective carrying cases.

FEATURES

BASES are beautifully buffed and polished, and
all other metal parts are Chromium plated—
the most enduring, and easiest of all platings
to clean and keep clean.

WINDBAGS—Windbags have a Ludwig-Marimba
eyelet for the holding of the "beater drag".

WHEELS—Solid rubber composition wheels with
ball bearings of 3” or 4” diameter, depending on
the size of the instrument, are standard equip-
ment on all instruments except the No. 8-359
Marimba. The two wheels nearest the player
are equipped with dependable brakes which
are operated by the foot.

CASES and TRUNKS—Ludwig-made cases or
trunks listed beneath each instrument give max-
imum protection to the instrument.

Choice of other Ludwig Pearls on wood frames No Extra Charge
No. 8-3601—Two Fibre Hand Carrying Cases for No. 8-359 $40.00
Trunk for No. 8-359 made specially to order.
SPECIAL-LITE MARIMBA XYLOPHONE

THE Ludwig Special-Lite Marimba-Xylophone is a combination xylophone and marimba—an instrument that combines the upper register of the xylophone with the lower register of the marimba, and therefore offers both the brilliance of the xylophone and the mellow resonance of the marimba without the weight and size of the latter.

The excellent tone, ample volume and unusual carrying power, together with its beauty, its light weight and its convenient size make this one of the most popular wood block instruments in the entire Ludwig line. The attractive price at which it is offered places it well within the reach of the most modest purse.

Bars are scored, selected genuine Honduras Rosewood accurately tuned and finished in the natural beauty of their own grain. Bars may be tilted for easy playing from a sitting position. The holding stand is so designed and constructed as to give maximum rigidity and absolute assurance of greatest strength, and is heavily Chromium plated. The beautiful and distinctive new bases and end-blocks are of cast aluminum alloy buffered to a beautiful finish. Frames are standard with gleaming white lacquer finish, but Pearl baselines may be had at the small extra cost listed below. Resonators of polished aluminum, Full suspension cord mounting of bars permit finest tone, and resonator adjusting device eliminates all tone difficulties due to temperature changes.

One-piece frames in gleaming white lacquer. Bars of genuine Honduras Rosewood beautifully finished in their natural grain. Polished aluminum resonators. Cast aluminum bases and end-blocks. Stand and other metal parts Chromium plated. Equipped with four 3” solid rubber wheels (two of them with brakes).

No. 8-845—3 octaves, C to C, 37 bars, 1 5/8” to 1 1/4” wide by 3/4” thick. Length 46”. Width at lower end 18”. Height 53”. Weight 45 lbs. $140.00

Four Pairs Selected Mallets Included with Instrument.
Choice of Ludwig Pearl on wood frames .................. $8.00 Extra
No. 8-845f—Hand Carrying Case for above instrument ........... $23.50

CONCERT XYLOPHONE

THE Ludwig Concert Xylophone is the finest xylophone that can be built and owes its enviable popularity, with professional and amateur player alike, to its extraordinary brilliance, tone and remarkable volume. Few instruments, regardless of price and manufacture, will be found to equal it when a fair feature for feature comparison is made.

In addition to the fine tonal qualities, and volume sufficient for any requirement, this xylophone possesses qualities that will recommend it highly to the xylophonist whose work necessitates the transporting of his instrument from job to job.

The split frames and resonators, and the fast-folding stand with its modern styled new bases and strong bracing can be assembled, or packed in its two strong fibre carrying cases, in less than five minutes.

Bars are genuine selected Honduras Rosewood, accurately tuned and mounted on suspended cord permitting full vibration. Resonators are polished tempered aluminum, and stand is accurately machined, carefully fitted, sturdy and rigid. Resonator casings are of finest aluminum alloy. Resonator adjustment device, and four rubber tired wheels, two of them equipped with brakes, are standard equipment on these models.

Split frames in Ludwig White or Black Pearl finish. Bars natural finish and beautifully polished. Polished aluminum resonators. Cast aluminum bases and Chromium plated stand, 4” solid rubber wheels (two of them with brakes).

No. 8-880—3 1/2 octaves, F to G, 44 bars 1 5/8” wide by 7/8” thick. Lengh 54”. Width at lower end 30”. Height 36”. Weight 57 lbs. $176.00

No. 8-879—4 octaves, G to C, 49 bars 1 1/4” wide by 7/8” thick. Length 60”. Width at lower end 30”. Height 38”. Weight 75 lbs. $190.00

Four Pairs Selected Mallets Included with Instrument.
Choice of other Ludwig Pearl on wood frames ............... No Extra Charge
No. 8-880f—Two vacuumed fibre carrying cases for 3 1/2 Octave Size ....... $35.00
No. 8-879f—Two vacuumed fibre carrying cases for 4 Octave Size ........ $40.00

Page Seven
SPECIAL-LITE XYLOPHONE

The Ludwig Special-Lite Xylophone is a truly professional quality instrument whose smaller dimensions, light weight and low price make it a popular all-around number. Splendid tone, excellent volume and remarkable carrying power, together with the above features, recommend it to the jobbing drummer who must necessarily consider portability as well as musical qualities. Ideal because of its small size for theater pit and dance platform where space is always at a premium. Excellent, too, for the school band and orchestra where a low priced instrument is desired without sacrificing any of the desirable musical qualities.

The newly improved, sturdy, rigid stand is accurately machined, carefully fitted and beautifully finished in Chromium. Extension legs are supplied for use in a standing position. Bars are selected genuine Honduras Rosewood accurately tuned and finished in their natural grain. Cushion felt bar mounting. One piece frames are finished in lustrous black lacquer, and one piece aluminum resonators are highly polished. Entire instrument is quickly set up, or knocked down, and packs compactly into one convenient, reinforced fibre carrying case.

One piece frames finished in jet black lacquer. Selected Honduras Rosewood bars highly polished and mounted on cushion felt. One piece resonators highly polished aluminum. Chromium plated stand is fast folding, and sturdy.

No. 8-835—3 octaves. C to C. Bars 1/4" wide by 1/4" thick. Length 36". Width at lower end 22". Height 25". Height with extension legs 30". Weight 24 lbs.
With case 33 lbs. .......................... $87.50

Extension legs and Two Pairs Mallets Included.

No. 8-615—Fibre Carrying Case for above ........................................... $10.00 Extra

PORTO VIBRA-CELESTE

The Ludwig Porto Vibra-Celeste has all the features of the model on stand, but is built right in its own carrying case, is unbelievably light in weight, and is substantially lower in price. It is made especially for the jobbing drummer who must travel from job to job. Weighing only 42 pounds, and built in its own carrying case, the drummer need only remove the cover, plug in the cord, and be in ready to play this instrument. There is no stand to assemble and nothing to mount.

Bars are of aluminum alloy as in the other model, insuring sweetness of tone. Resonators are aluminum with cast crosiers which lie in the bottom of the case to conserve space. The damper is thoroughly efficient and operates in a manner similar to the spacing bar on a typewriter. The motor is a sturdy 110 volt (AC or DC) current, and has a governor speed control. (Foreign voltages require different motors. Prices will be quoted on instruments for export on receipt of voltage data, etc.)

Case is Korostl covered and fitted with nickel hardware and an easy-carry handle. Instrunctor, four pair mallets, and detachable music rack are included.

No. 8-112—2 1/4 octaves, F to C, 32 bars 1/4" wide by 1/4" thick. Case measures 34" long by 20" wide by 5" deep. Total weight 42 pounds ............................................. $195.00
No. 351—Folding Stand for Porto-Vibra-Celeste, Nickel ....................... 6.00
No. 351X—Folding Stand, but in Chromium .................................. 9.00

LUDWIG VIBRA-CELESTE INSTRUCTOR

This is a simple, complete, and concise elementary instructor for the Vibra-Celeste, Vibraphone, Vibra-Harp and similar metal bar instruments. The instrument is described, its uses explained, and rudiments of music made clear, the correct playing method shown, and a generous amount of music arranged for these instruments is included. This is the only complete instructor of its kind ever published.

72 pages 9" x 12"

No. 686—Ludwig Elementary Instructor for Vibraphone and Vibra-Celeste .... $2.50
STANDARD VIBRA-CELESTE

THE Ludwig Vibra-Celeste is one of the most positive means by which you can make yourself more valuable to your organization, find greater public favor, and increase your earning power. Its vibral sound is sweet, beautiful, and full in solo work, and blends perfectly with the brasses, reeds, and strings of the orchestra and band.

The bars of the Vibra-Celeste are of alloyed aluminum that is far superior to steel for this use, and the resonators are tempered aluminum, which makes the instrument light in weight and easily portable. Bars may be fitted for easy playing from a sitting position. The pedal-operated damper has a locking device, and is thoroughly efficient and reliable. The sturdy motor operates on 110 volt (either AC or DC) current, and has a speed control which regulates the speed of the revolving resonator discs. (Instruments for export require special motors. Prices quoted on receipt of information stating voltage, etc.)

The Vibra-Celeste is mounted on the newly designed, sturdy, rigid stand with cast aluminum alloy bases which is easily assembled or knocked down for packing into two convenient band carrying cases. Equipped with four solid rubber-composition, ball-bearing wheels of which two have dependable foot brakes.

One-piece frames in Black Avalon Pearl. Polished cast aluminum alloy bases and end-boxes. Other parts of stand Chromium plated. Bars and aluminum resonators highly polished. Four ball-bearing, solid rubber-composition wheels (two with brakes). Instructor and 4 pair mallets included with instrument.

No. 8-110—3 octaves. C to C, 37 bars 1/2" to 1 1/4" wide by 1/4" thick. Length 48". Weight 70 lbs. .......... $295.00
Choice of other Ludwig Pearl or Finish on Wood Frames .......... No Extra Charge

No. 8-110—Two Fibre Hand Carrying Cases for Standard Vibra-Celeste .......... $45.00

POPULAR VIBRA-CELESTE

LUDWIG Popular Vibra-Celeste differs from the Standard Vibra-Celeste only in the fact that it has a 2 1/4 octave range and the elevated mounting of the sharps and flats which is preferred by many drummers because it is like that of standard orchestra bells and xylophones to which they are accustomed. Unassailable as song bells when the motor is not used, and ideal for jobbing because of its small size and light weight.

The newly designed, sturdy, rigid stand with its cast aluminum alloy bases which combine beauty with unusual strength, the new "butterfly" damper designed especially for this instrument, the new stander, almost entirely concealed motor mounting at the lower end, the improved motor speed control, and the modernly styled cast aluminum end boxes which lock the frames to the stands are noteworthy features of this instrument.

Bars are the same fine quality aluminum alloy as those of the larger Vibra-Celeste, and are accurately tuned to low A (A-440) pitch. Bars may be fitted for easy playing from a sitting position. Frames and arms are covered with Black Avalon Pearl, and resonators are highly polished aluminum. Castings are beautifully finished and all other metal parts are durably Chromium plated. Dependable, smooth operating motor designed for use on 110 volt (either AC or DC) current.

One-piece frames in Black Avalon Pearl. Polished cast aluminum alloy bases and end-boxes. Other parts of stand Chromium plated. Bars and aluminum resonators highly polished. Four ball-bearing, solid rubber-composition wheels (two with brakes). Instructor and 4 pair mallets included with instrument.

No. 8-114—2 1/4 octaves. C to F, 30 bars 1 1/4" to 1 1/2" wide by 1/4" thick. Length 39". Weight 60 lbs. Complete .......... $270.00
Choice of other Ludwig Pearl or Finish on Wood Frames .......... No Extra Charge

No. 8-114—Two Fibre Hand Carrying Cases for Popular Vibra-Celeste .......... $40.00
LU-MELLOW BELLS

These are the finest of all orchestra bells because they are sweeter, clearer, and truer in tone than any that have been known heretofore. Bars are tempered aluminum alloy which minimizes the sound of the mallets' impact on the metal. Harsh overtones are practically eliminated, and the tone is thoroughly accurate. These are the lightest, clearest, and sweetest voiced bells obtainable anywhere at any price.

No. 8-383—2½ octaves, G to C, 30 bars 1¼" wide by ½" thick. A-440 pitch. Weight 15 lbs. Complete in case with 2 pair selected mallets, and detachable music rack $50.00

PROFESSIONAL BELLS

These are the finest steel bells that can be made, and are the choice of many who prefer steel bars to aluminum alloy bars. Bars are best quality special alloy steel. Bars are best quality special alloy steel, and are heavily Chromium plated. The tone is full and true with plenty of volume. Accurately tuned, and ideal for the most exacting band and orchestra work.

No. 8-381—2½ octaves, G to C, 30 bars 1¼" wide by ½" thick. A-440 pitch. Weight 28 lbs. Complete in case with 2 pair mallets and music rack $45.00

ORCHESTRA BELLS

A quality set of true professional bells made of the finest tempered alloy steel, accurately tuned, and Chromium plated. Excellent for the school band and orchestra.

No. 8-384—2½ octaves, G to C, 30 bars 1¼" wide by ¼" thick. A-440 pitch. Weight 17 lbs. Complete in case with 2 pair mallets, and music rack $35.00

LUDWIG BELL STAND

A strong folding bell stand adjustable in height from 17" to 25". Folds to 3¼".

No. 385 Ludwig Bell Stand, Nickel plated $8.00

SCHOOL BELLS

Ludwig School Bells are intended primarily for the School band and orchestra whose finances will not permit the purchase of the more expensive bells in cases as shown on the preceding page. Bars are of the same quality steel as is used in the Ludwig professional bells, but are of smaller dimensions throughout. They have a fine clear tone, are accurately tuned, and cushioned on good quality felt.

No. 8-380—2½ octaves, G to C, 30 bars, 1¼" wide by ½" thick. Complete with one pair selected Ludwig mallets $15.00

SCHOOL BELLS IN CASE

This is the same set of bells as that described above but contained in a Fabrikoid covered carrying case made of strong rosewood, strongly reinforced and equipped.

No. 8-378 School Bells in Case. Weight 16½ lbs. $22.00

SCHOOL XYLOPHONE

The Ludwig School Xylophone is a quality instrument of small dimensions, intended, like the bells above, for school organizations whose funds are limited. Bars are genuine Honduras Rosewood, accurately tuned, of good tone and carrying power, and finished in their natural grain. An excellent instrument at a low price.

No. 8-810—2½ octaves, G to C, 30 bars, 1¼" wide by ¼" thick. Complete with one pair selected Ludwig mallets $14.00

SCHOOL XYLOPHONE IN CASE

Identical to the School Xylophone described above but contained in a Fabrikoid covered case with quality hardware and sturdy leather handle. Cover and Xylophone can be completely removed from case. Case measures 20" x 21" x 3¼".

No. 8-809—School Xylophone in Case. Weight 14½ lbs. $31.00
BELL-LYRA

THE Bell-Lyra is the Giocenkapol modernized for present needs in the band and orchestra, and has found wide favor because of the tone quality and distinctness it lends. Made in the lightweight 22 bar size for school use, and in a full two octave size for bands of adult, or almost adult, members. Bar mounting is fully chromatic so the instrument is readily mastered. Bars of this instrument are Aluminum alloy and the frame is of Aluminum insuring lightness and ease of carrying on parade. Plumes can be dyed by customer to any desired color, or color combination.

No. 8-102—Bell-Lyra, range C to A, 22 bars 1 1/4" wide by 1/4" thick. Pitch A-440.
Weight 13 lbs. Complete with white Horsehair Plumes and Mallet .................. $75.00

No. 8-103—Bell-Lyra, 2 octaves, A to A, 25 bars 1 1/4" wide by 1/4" thick. Pitch A-440
Weight 15 1/2 lbs. Complete with white Horsehair Plumes and Mallet $85.00

No. 8-104—Leather Carrying Strap for Bell-Lyra ................. 4.00

No. 8-107—MacKintosh Carrying Bag for No. 8-102 Bell-Lyra ............. 6.00

No. 8-105—MacKintosh Carrying Bag for No. 8-103 Bell-Lyra ............. 6.00

No. 8-106—Concert Stand for Bell-Lyra (Statue # for 22 or 25 Bar Bell-Lyra) 15.00

BUGLE-LYRA

The Bugle-Lyra is to the Drum Corps what Bells are to the band and orchestra. Its clear, sweet bell voice gives new tone character to Corps music, and adds distinction and "zing" to the Corps. Average Corps use two, large Corps use four.

The Bugle-Lyra has the eight notes of the Glee-Dee bugles, is carried like the colors, and is played with a mallet held in the right hand. On-the-beat notes are played while marching, but the melody is played in concert formation. Weight 7 lbs.

No. 8-113—Bugle-Lyra, 8 bars of Aluminum alloy, and Aluminum frame. Mallet and Horsehair Plumes, which can be dyed to any color included $45.00

No. 8-114—Leather Carrying Strap for Bugle-Lyra ................. 4.00

No. 8-115—MacKintosh Carrying Bag for Bugle-Lyra ............. 6.00

LUDWIG
CHROMATIC CHIMES
with
PEDAL and HAND DAMPER

THese sensational, new Ludwig Chimes with the Damper operated either by a pedal or a hand lever more than double their value to the drummer and musical organizer using them because they can be played with one or two mallets, and muted to any degree desired by the player. Rapid passages and hot choruses can now be played on Ludwig Chimes as easily on an orchestra bells. The elevated tube mounting (sharps and flats in one row, naturals in another) enables anyone familiar with orchestra bells, xylophone or piano keyboard to master this instrument without difficulty. Damper is positive and reliable in every respect. Tubes are highest quality brass, accurately tuned, highly polished and Chromium plated. Base rails and rack head are aluminum castings, and the entire instrument sturdy, light and rigid. Two of the solid rubber wheels are equipped with brakes. Banjos, books, and music stands with your name in ornate letters, and either trunks or carrying cases, depending on the model, are supplied at the extra prices shown below. All models are easily assembled, or dismantled, in only a very few minutes.

CHIMES—1" TUBES

No. 8090—1 1/2 Octaves, 10 Tubes, C to F, A-440 Pitch, without Damper or Wheels. Chromium plated, Mallet included $140.00
No. 8011—1 1/2 Octaves, 18 Tubes, C to F, A-440 Pitch, with Damper and Wheels. Chromium plated, Mallet included $185.00

No. 8001—Banjo Rack for Nos. 8011 or 8000 ............... $ 4.00 Extra
No. 8002—Velvet Banjo (your name in ornate letters) .......... 4.50 Extra

No. 8004—Fine Carrying Case for No. 8000 ............... 20.00 Extra
Special Trunk for No. 8011 .................................. NET $65.00 Extra

CHIMES—1 1/2" TUBES

No. 8014—1 1/2 Octaves, 10 Tubes, C to F, A-440 Pitch, with Damper and Wheels. Chromium plated, Mallet included $280.00
Climaxing Twenty-Five Years of Supremacy!
NEW LUDWIG SILVER ANNIVERSARY SNARE DRUM
Super-Sensitive Models

A sensational new snare drum symbolizing the 25 years of supremacy of Ludwig & Ludwig in the drum world. The culmination of 25 years of consistent development and progress.

FEATURES

Two Sets of Snare Tension Latch
Superb Tone Instant Snare Response
Internal Tension Control Modern Design Unprecedented Volume
Super-Strength Construction Unlimited Power and Flexibility

FOCUSING a quarter of a century's drum making experience into one grand achievement, we give you the "Silver Anniversary" Super-Sensitive Snare Drum. Its performance answers every wish of the drummer, student or professional. It has tone depth and brilliancy; snap and power; double set of instant action snares; it has the genuine snare drum tone. In design, we say frankly, it is the most beautiful drum ever built—and certainly one of the strongest.

Two sets of snares make this the miracle drum. One set is underneath the bass head, while the other set rests against the batter head on the inside of the drum. Both sets are controlled by individual throw-off and throw-on snares and may be used separately or together for any effect you may desire. Use the inner set for fine, pianissimo effects, the outer set for medium volume, and both sets for tremendous volume in the fortissimo rolls.

METAL SHELL

The Super-Sensitive "Silver Anniversary" All-Metal Snare Drum, illustrated one-half actual size on the opposite page, combines the utmost strength with modern beauty and thrilling performance. The seamless, one-piece metal shell isstudily made with center reinforcing bar for utmost strength. New design flanged counter hoops cover the edge of the drum head. Heavy cast levers for inner and outer snare strainer throw-offs. Eight separate key tension rods with tension cases of new modern design. Heads are the genuine Win. F. Ludwig Selected calfskin. Shell and all fittings heavily nickel plated.

In its standard nickel plated finish, or in gleaming Chromium or special fancy finish listed below, this drum combines everything you could ask for—playing ease, tone depth and brilliance, and an appearance that will surpass any you have ever seen—a super-sensitive, super-beautiful snare drum in every respect.

No. 56—Size 6" x 14" $52.50
No. 57—Size 6½" x 14" $57.50
Choice of sizes but fully Chromium plated...

WOOD SHELL

This model has all the superb playing features of the All-Metal Shell described above, the only difference being in appearance. Made with a solid Mahogany shell, highly polished, with hoops, separate tension key rods and snare strainers, heavy nickel plated. The heads are choices Win. F. Ludwig Selected calfskins. This drum is particularly beautiful when finished in Ludwig Pearl shell with either Nickel or Chromium plated fittings.

No. 66—Size 5" x 14" $52.50
No. 67—Size 6½" x 14" $57.50
Choice of sizes, but with Chromium plated fittings...

NEW STURDIER SHELL CONSTRUCTION

Ludwig All-Metal shells are spun from the best quality heavy-gauge brass with sturdy reinforcing band in the middle, and edges are flanged and turned in against the inside wall of the shell for further strength and rigidity. The new heavy flanged counter hoops and modern design tension cases for the key tension rods add both beauty and strength to the "Silver Anniversary" models. Naturally these All-Metal shells are not affected by extremely humid or dry atmospheric conditions, and will give a lifetime of service and satisfaction.

EXTRA SUPER-LUDWIG SNARES

The change to gut, collared wire, or silk-wire snares may be made in a jiffy with these handy extra snares which are mounted on a spring steel holder to keep them taut when not in use. Simply loosen the two thumb-screws, remove the old snares, install new snares and tighten screws. For Super-Sensitive or Super-Ludwig snare drums only. Specify diameter of drum when ordering.

All the new Silver Anniversary model snare drums are equipped with an Internal Tone Control which completely eliminates the tension ring resonant in all drums. Simply turn the small knurled nut on the inside of the shell to regulate the presence of the felt pad against the inner edge of the batter head. Any desired amount of pressure may be applied.

Page Thirteen
SILVER ANNIVERSARY SNARE DRUMS
Super-Ludwig Models

FEATURES
Sensitive Snare Response
Internal Tone Control
All-Metal Snappi-Snare

Excellent Volume and Power
Super-Strength Construction
New Modern Design

This drum responds easily to the stroke of the sticks with splendid tone, and in the new modern beauty of its design, and its super-strength construction, it is destined to be an even greater favorite with the modern drummer.

Instant throw-off and throw-on snare strainer with heavy cast lever, individual snare adjustement with new heavy snare strainer guard, new heavy flanged counter hoops, separate tensioned heads with eight key tension rods and new design tension cases—these are but a few of the many superlative features of the Super-Ludwig drum. The modern beauty of its design is matched by splendid tone, sensitive snare response and excellent volume and power.

METAL SHELL
The metal shell drum is the more popular of the two models, due to the greater strength, rigidity and sturdiness of its shell. The shell is spun from best quality heavy-gauge brass with sturdy reinforcing bead in the middle. Shell and all other metal parts are heavily nickel plated. Heads are selected calfskin. Quality materials and expert workmanship throughout.

<table>
<thead>
<tr>
<th>No.  43—Size 5&quot; x 14&quot;</th>
<th>Each</th>
<th>$45.00</th>
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<tbody>
<tr>
<td>No.  44—Size 6½&quot; x 14&quot;</td>
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Choice of sizes but fully Chromium plated  $60.00
Choice of sizes with engraved black shell and Chromium plated fittings  $65.00

WOOD SHELL
Identical in design to the drum described above, except for the shell which is of solid mahogany in a beautiful hardwood and polished finish. The hoops, separate tension key rods, snare control and other metal fittings are heavily nickel plated. Heads are selected calfskin. Especially popular in Deluxe Pearl finishes with Chromium plated metal parts.

<table>
<thead>
<tr>
<th>No.  53—Size 5&quot; x 14&quot;</th>
<th>Each</th>
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<tbody>
<tr>
<td>No.  54—Size 6½&quot; x 14&quot;</td>
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Choice of sizes with Chromium plated metal fittings  $57.00
Choice of sizes with Ludwig Pearl on shell and Nickel plated fittings  $58.00
Choice of sizes with Ludwig Pearl on shell and Chromium plated fittings  $65.00

Page Fourteen
SILVER ANNIVERSARY SNARE DRUMS

Standard Models

FEATURES
Internal Tone Control
Splendid Volume and Power
New Modern Design
Sensitive Snare Response
All-Metal Snappi-Snares
Sturdy Construction

The Ludwig Standard Snare Drum has been the standard by which other drums have been judged for twenty-five years, and is the drum on which the Ludwig reputation was founded. In its beautiful new, modern design, sturdier construction, and thrilling performance it sets a new standard of drum excellence.

Heads are tensioned separately with eight key tensioning rods and new modern design tension cases. Snare strainer permits adjustment of snares and has quick throw-off and throw-on. Ludwig All-Metal Snappi-Snares fit the modern need for sensitive snare response. Internal Tone Control insures tonal perfection.

METAL SHELL
Shell is spun of heavy gauge brass insuring maximum shell strength. The new design reinforcing bead in the middle of the shell adds to the strength as well as the beauty of this new model. Shell and all fittings are heavily nickel plated with Chromium and fancy finishes extra. Batter and snare heads are both of the finest selected Ludwig quality calfskin.

No. 7—Size 5” x 14” Each $35.00
No. 8—Size 6½” x 14”
Choice of sizes with Chromium plated shell and fittings $45.00
Choice of sizes with engraved black shell and Chromium plated fittings 45.00

WOOD SHELL
Shell is genuine mahogany finished in its natural beauty. Snare and batter heads are tensioned separately with eight key tensioning rods, and the same fine snare strainer assembly and snare control features prevail on this as on the metal shell model. Snare are the famous Ludwig All-Metal Snappi-Snares, and heads are finest quality selected Ludwig calfskin. Heavily nickel plated metal fittings.

No. 27—Size 5” x 14” Each $35.00
No. 28—Size 6½” x 14”
Choice of sizes with Chromium plated metal fittings $42.50
Choice of sizes with Ludwig Pearl shell and Nickel fittings 42.50
Choice of sizes with Ludwig Pearl shell and Chromium fittings 50.00
LUDWIG PIONEER SNARE DRUM

The Pioneer Snare Drum is the original Ludwig drum with, of course, many improvements since it was first presented in 1913. A sturdy, substantial model at a popular price. Has eight separate tension rods and strong flanged counter hoops. Snare strainer has a convenient throw-off feature, and snares are of coated wire on a silk core. Fine quality calf heads. Not supplied in display finishes. Size 5" x 14" only.

No. 17—Matte Shell, size 5" x 14". Shell and all parts heavily nickel plated.......$22.50

No. 47—Mahogany Shell, size 5" x 14". Nickel plated metal parts..............$22.50

SPECIAL CONCERT SIZE SNARE DRUM

A special size drum recommended for large military concert bands because of its unusual volume and carrying power. Separate tension heads with ten key tensioning rods. Snare strainer has same adjustment and quick throw-off and throw-on. Equipped with internal Tone Control. All-Metal Snappi-Snares and selected collogne bead. Not supplied in display finishes. Made on special, non-returnable order only. Gat snares optional at extra charge.

No. 9—Matte Shell, size 61/2" x 15". Shell and all parts heavily nickel plated. $35.00

No. 26—Mahogany Shell, size 61/2" x 15". Nickel plated metal parts..............$35.00

LUDWIG UNIVERSAL SNARE DRUM

A low priced drum of semi-professional caliber that can be supplied at the price. Made of choice of all metal or three-ply laminated mahogany shell. Has six separate tension rods, steel counter hoops, conventional throw-off muffler snare strainer, fine quality collogne bead, and quality snares wound on snares. Not supplied in any of the Ludwig display finishes. All metal parts heavily nickel plated. Size 5" x 14" only.

No. 13—Metal Shell, size 5" x 14". Shell and all parts heavily nickel plated. $17.50

No. 31—Mahogany Shell, size 5" x 14". Nickel plated metal parts..............$17.50

LUDWIG JUNIOR SNARE DRUM

This splendid drum is made of a choice of all metal or mahogany shell and is ideal for the young drummer from 8 to 12 years of age. Heads are 14" and 15". Tensioned with six drum screw rods. Thumbcrows, snare strainer, and collogne bead. Nickel plated. Size 31/2" x 13" only.

No. 4395—Matte Shell, size 31/2" x 13". Shell and all parts nickel plated........$10.00

No. 4396—Mahogany Shell, size 31/2" x 14". Nickel plated metal parts..............$10.00

LUDWIG JUVENILE DRUMS

SNARE DRUM

Not a toy, but a drum suited to the needs of the beginner whose age may range from 5 to 9 years. The shell is maple in its natural grain; hoops are lacquered and finished with new sturdy snare strainer, and nickel plated parts are good grade.

No. 4315—Jr. Snare Drum, size 31/2" x 12", complete with sticks and angles...$6.00

PARADE DRUM

Correct in proportion and construction this drum has an excellent tone and surprising volume. Popular for use in the Rhythm Band, junior band and drum corps, and as an instruction drum for young beginners. Natural maple shell, bright red lacquered counter hoops, thumbcrows, tensioning rods, new sturdy snare strainer, nickel plated parts, and good grade heads.

No. 4318—Jr. Parade Drum, size 7" x 12", complete with sticks and angles......$7.50

BASS DRUM


No. 166—Jr. Bass Drum, size 8" x 22", Mahogany Shell with Maple Hoops. Nickel plated metal parts...$17.00

For choice of longer color shell and hoops...$1.50 Extra
LUDWIG PARADE DRUM

TRIUMPHAL PARADE DRUM

Recommended for concert, military, and marching bands. Responds easily with excellent tone, volume, and carrying power. Used by many prize-winning Drum Corps also.

Low metal counter hoops permit an almost flat down-ward stroke of the stick which is a feature. Separate tautness allows proper adjustment of both snare and better heads for best note response and drum tone.

Improved Snare Strainer and selected Ludwig heads. Gold Snare drum or Silvite snare is an option. Stylishly made with Mahogany shell and Maple counter hoops. New type spread snare strainer ensures perfect snare response.

Each head is tensioned separately with the separate tension double hook clamp rods which distribute the tension over a greater hoop surface and keep the hoops uniformly tight. Get snare standard or Silvite on special order. No. 1 Ludwig Select heads. All metal fittings heavy nickel plated. Available in Blue and Silver Multi-Color or other lacquer finishes at no extra charge.

Sticks and Sling included.

Mahogany shell and Maple hoops in natural finish. With Nickel fittings (or choice of lacquer colors) $32.50

Mahogany shell and Maple hoops (or choice of lacquer colors) with Chromium fittings $38.50

With choice of Ludwig Pearl shell and Nickel plated fittings 45.00

With choice of Ludwig Pearl shell and Chromium plated fittings 50.00

LUDWIG PARADE DRUM

LUDWIG DRUMMER PARADE DRUM

One of the most popular of all Parade Drums for Drum Corps and marching bands. It plays easily with standard tone, has plenty of volume and power, and is internally made with Mahogany shell and Maple counter hoops. New type spread snare strainer ensures perfect snare response.

Each head is tensioned separately with the separate tension double hook clamp rods which distribute the tension over a greater hoop surface and keep the hoops uniformly tight. Get snare standard or Silvite on special order. No. 1 Ludwig Select heads. All metal fittings heavy nickel plated. Available in Blue and Silver Multi-Color or other lacquer finishes at no extra charge.

Sticks and Sling included.

Mahogany shell and Maple hoops in natural finish. With Nickel fittings (or choice of lacquer colors) $32.50

Mahogany shell and Maple hoops (or choice of lacquer colors) with Chromium fittings $38.50

With choice of Ludwig Pearl shell and Nickel plated fittings 45.00

With choice of Ludwig Pearl shell and Chromium plated fittings 50.00

FOR INLAND COUNTER HOOPS

Parade and Tabor Drums. $1.00 Extra
Scotch Style Bass Drums. 2.00 Extra

New Spread Snare Strainer

This flashy, new Ludwig finish may be had on any of the Drum Corps drums listed above. The pearl flash inlay counter hoops greatly enhance the appearance of those drums, and may be had at the slight extra charge shown to the left.

Two contrasting lacquer colors, blue and silver, are used to get the 3-tone effect shown. The blue, which is almost black at the middle of the shell. The middle of the shell is silver. Polishing brings out the color gradations, and silver flash hoops complete the effect. Supplied also in green and gold with gold flash counter hoops.
**LUDWIG JUNIOR IMPERIAL PARADE DRUM**

A very popular model for Drum Corps, particularly Junior Corps, because of its size—10"x14"—and light weight. An easy speaking drum with excellent tone, ample power and volume for exciting work. Improved snare strainer with heavy gauge snare wire assures superb snare response. Clear, sharp tone and exceptional carrying power.

Sturdily made with Aero-Kraft shell of genuine Mahogany and Maple hoops in natural grain finish. Available, however, with choice of lacquer colors (or Multi-Color finish) at slight additional charge. Eight double hook clamp rods with double center support studs. Made with separate tension which assures proper adjustment of both snare and bass heads for best response and drum tone. Heavily nickel plated metal parts. Heavy wire-wound silk snare wires and Selected Ludwig heads are standard.

Sticks and sling included.

No. 255—With natural finish Mahogany shell and Maple hoops. All metal fittings extra. $25.00

For choice of lacquer colors on shell and hoops (or Blue and Silver Multi-Color) add to above prices $1.50 extra.

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**LUDWIG JUNIOR PARADE DRUM**

Also Recommended for Ladies' Corps

The Junior Parade Drum is a truly professional drum in every way, but of a size and weight that makes it especially suitable for Scouts, Campfire Girls, and School Drum Corps where ages range from twelve to sixteen years. The size is 10"x14", and it is light in weight, easy to carry, and easy to sling.

This model also is a favorite for adults' Drum Corps, usually in a gleaming snowy white lacquer finish, and is used extensively by Ladies' Auxiliaries of the American Legion and other organizations. It is a splendid moderately priced drum for this purpose.

Excellent snare response, fine quality drum tone, ample volume, and exceptional carrying power recommend this drum for general all-round use. Sturdily built to insure long satisfactory service.

Made with single key tension double hook clamp rods, with heads easily tensioned from the top. Available with or without center support studs. The addition of center support studs gives greater strength and stiffness and is well worth the slight additional cost.

Shell is genuine Mahogany and may be had in its natural finish or in choice of lacquer colors at extra cost. Hoops are Maple finish in natural grain. Improved snare strainer, wire-wound silk snare wire and quality calf Ludwig heads are standard. All metal fittings heavily nickel plated.

Sticks and sling included.

No. 256—With natural finish Mahogany shell. Maple hoops and Nickel plated fittings. WITHOUT CENTER SUPPORT STUDS. $16.00

No. 257—Same as above WITH CENTER SUPPORT STUDS. $17.50

For choice of lacquer colors on shell and hoops, add to above prices $1.50 extra.

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**LUDWIG ECONOMY PARADE DRUM**

This is an exceptionally fine quality instrument at a really remarkable price, because it has the tonal qualities, volume, and features of similar size drums selling at considerably higher prices. The highly polished laminated Mahogany shell combines strength with light weight. Counter hoops are natural finish Maple. Ten single tension, double hook clamp rods with center support studs are of high quality pressed steel heavily nickel plated. Sturdy snare strainer with wire wound snare wires. Best grade genuine calfskin heads.

Made in one size only—10"x15". Natural finish Mahogany shell and Maple hoops is standard but choice of lacquer colors on shell and hoops may be had at slight additional cost as listed below.

Sticks and sling included.

No. 258—With natural finish laminated Mahogany shell, Maple counter hoops and nickel plated fittings. $20.00

Same, but choice of lacquer colors on shell and hoops $1.50 extra.

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**JUVENILE CADET PARADE DRUM**

This drum is recommended for small Cub Scouts, and School Corps where ages range from eight to twelve years. Light in weight and easy to play. Genuine Mahogany shell, Maple counter hoops, improved Snare Strainer, wire-wound silk snare wire, and quality calf heads are standard. Size 8"x14" only.

Sticks and slings included.

No. 4355—Juvenile Cadet Parade Drum as illustrated and described, size 8"x14" . . . . $13.50

For choice of color on shell and hoops, add 1.50
LUDWIG
TENOR DRUMS

AERO-KRAFT

SHELL CONSTRUCTION

Tenor Drums, with their "tenor" voice, unite the sharp tone of the snare drums with the deep bass drum tone, and add much to the musical quality of the modern Drum Corps. Then, too, the picturesque manner of Tenor Drum playing with its graceful stick terminology and figures give added "Bash" and color to the corps both on parade and in concert formation. Tenor Drums are played with felt or tamba wood beaters and are used in a full range of four in front of the snare drums, and immediately behind the Drum Major. Ludwig Tenor Drums, made in both separate and single tension, combine an 18" head surface with a 12" shell depth and two perfectly matched white cabinet heads to give the characteristic Tenor Drum tone. Tenor Drums do not have snares. Shells are laminated Aero-Kraft mahogany construction. Maple counter hoops and double-cable hook rods. Heads are finest matched white Ludwig select cabinet.

Sticks and Sling Included.

**SINGLE TENSION**

- No. 2655—12½" x 18", with Mahogany (or choice of lacquer colors, or Blue and Silver Multi-Color) Shell, and Nickel Plated Metal Parts...
  - $32.50
- For Choice of Pearl Shell and Nickel Counter Hoops...
  - $10.00 Extra
- Separation Tension...
  - $12.50 Extra

**SEPARATE TENSION**

- No. 2656—12½" x 18", with Mahogany (or choice of lacquer colors, or Blue and Silver Multi-Color) Shell, and Nickel Plated Metal Parts...
  - $37.50
- For Choice of Pearl Shell and Nickel Counter Hoops...
  - $10.00 Extra

JUNIOR SCOTCH STYLE BASS DRUMS

Here, at last, is an authentic Scotch Style Bass Drum that is designed especially for Junior Drum Corps work—a drum that is identical in appearance and construction to the drum shown above which has long been a favorite with adult corps. The narrow shell, smaller size and resulting light weight makes this an easy drum to handle even on long parades. You can see where you are going with this drum, can execute all the difficult maneuvers without the least bit of trouble, and all danger of bruising the knuckles and catching the sleeves off while playing is eliminated because there are no protruding thumbtacks.

These drums are standard with genuine mahogany shells, maple counter hoops and Nickel plated rods with double-cable hook rods on both sides. Heads are fine matched white cabinet. Drums have a heavy ring securely fastened to the middle of the shell by which they are hooked to the sling. Made only in single tension. Sticks and Sling Not Included.

**SINGLE TENSION PIONEER MODEL**

- No. 773—Size 8" x 24", Mahogany Shell, Maple Counter Hoops and Nickel plated Rods (8 to 12 years)...
  - $24.50
- No. 775—Size 8" x 24", Mahogany Shell, Maple Counter Hoops and Nickel plated Rods (12 to 18 years)...
  - $28.50
- No. 777—Size 8" x 28", Mahogany Shell, Maple Counter Hoops and Nickel plated Rods (16 years or older)...
  - $30.00

For choice of lacquer colors on shell and hoops...

Page Nineteen
LUDWIG AERO-KRAFT SHELL CONSTRUCTION

Warping and splitting prevented, strength, lightness, rigidity, and ability to hold a true round—are the features of Ludwig Aero-Kraft Drum Shells. Three layers of wood, cross banded to equalize the strain from all sides, make these shells stronger, truer, and more durable than solid wood shells. The strength and rigidity of a bass drum shell determines its ability to hold a true round which in turn determines the fullness and resonance of the bass drum tone. The Ludwig Aero-Kraft shell construction insures this strength and rigidity and highest quality.

Ludwig Aero-Kraft shells are used for all Standard and Artist's model bass drums, adult Scotch Style Bass Drums, and Tenor Drums, and for Parade Drums, Nos. 225, 237, 260 and 262. Standard model base drums are also available with five-ply laminated shells on special order. Write for prices.

MONSTER BASS DRUMS

Ludwig Monster Bass Drums are the big hit of the parade everywhere. Used in connection with your Lodge, Society, High School, University or Legion Post Band, or Drum Corps, they compel attention of the audience. Valuable as a publicity or advertising stunt on many occasions. In many cases the cost of the drum can be paid by renting it to other organizations for special events. These drums are standard with mahogany shells, but may be had with choice of woods on shell and hoops. Easy to handle and play. Separate tension beads with tymppani handle rods mounted on double support legs. Quality snare hide heads (goatskin are too small). Available in the following sizes. Write for prices.

Code Names and Sizes
Sandow® ... 18”x26” Titan® ... 20”x48” Thunderer® ... 20”x60” Gigante® ... 22”x80” Leviathan® ... 22”x72”

CARRIAGES—Sold Only With Drums
No. 99® Two-wheel steel carriage with wire-spoke, ball-bearing, rubber-tired wheels for drums up to 20” diameter, with straps and wrench. Prices on Request

No. 99½® Four-wheel steel carriage, same as above but for drums more than 20” diameter, complete with straps and wrench. Prices on Request

FEATURES

Solid Tympapi Handles
Strong Separate Tension Lugs
Matched Selected Heads

Full Resonant Tone
Standard Aero-Kraft Construction
Genuine Mahogany Shell

The Ludwig Standard Bass Drum is a quality bass drum with the standard three-ply Aero-Kraft laminated shell construction insuring good tone strength and light weight. This model is made only in separate tennant insuring even tension of both the heads. Drums are standard with Mahogany shells finished in their natural grain and hoops in natural Maple; or Black enamelized or White enamel shells and hoops may be had at no extra charge.

Separate tension rods are equipped with solid tympapi type handles and strong separate tension lugs. Fittings are heavily Nickel plated. Heads are selected and matched carefully. These drums are also supplied with key tensioning rods instead of tympapi handle rods and equipped thus are ideal band drums.

SEPARATE TENSION ONLY

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Recommended Shell</th>
<th>For Use In</th>
<th>Nickel</th>
<th>Chromium</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 103</td>
<td>14” x 26” – Standard Orchestra</td>
<td>$47.50</td>
<td>$80.00</td>
<td></td>
</tr>
<tr>
<td>No. 107</td>
<td>14” x 30” – Small Band</td>
<td>51.00</td>
<td>63.50</td>
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<tr>
<td>No. 108</td>
<td>16” x 30” – Large Orchestra</td>
<td>53.00</td>
<td>64.50</td>
<td></td>
</tr>
<tr>
<td>No. 112</td>
<td>16” x 32” – Large Band</td>
<td>56.00</td>
<td>65.00</td>
<td></td>
</tr>
<tr>
<td>No. 115</td>
<td>16” x 34” – Symphony</td>
<td>60.00</td>
<td>75.00</td>
<td></td>
</tr>
</tbody>
</table>

Sticks and Slips Not Included.

For choice of Ludwig Pearl on shell, up to 14”x39”, add to above prices $35.00 Extra.

Above drums with key tension rods for hand use at same prices as above.

NOTE: Ludwig Standard Bass Drums are available with Five-ply Aero-Kraft shells on special order only. Write for prices on size desired.
# LUDWIG
## ARTIST'S BASS DRUM
### SHELL CONSTRUCTION

### FEATURES
- Genuine Mahogany Shell
- Hand Rubbed Finish
- Solid Tympani Handles
- Strong Center Support Studs
- Selected Calfskin Heads

**THIS** is one of the most popular bass drums for professional work because it is adapted to general all around requirements. Shell is Aero-Kraft construction, of genuine Mahogany. The center support studs and tympani type tensioning handles are features that combine easy tensioning with a strong rod support. Mahogany shell is regular but black stained, or white enameled shells supplied at no extra cost. Heads are selected calfskin. Particularly adapted to the Ludwig Pearl shell finishes when fittings are in beautiful Chromium plating.

### SINGLE TENSION ONLY

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Size</th>
<th>Recommended</th>
<th>Nickel Fittings</th>
<th>Chromium Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 203</td>
<td>14&quot; x 20&quot;</td>
<td>Standard Orchestra</td>
<td>$35.00</td>
<td>$45.00</td>
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<tr>
<td>No. 208</td>
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<td>Small Band</td>
<td>30.00</td>
<td>40.00</td>
</tr>
<tr>
<td>No. 207</td>
<td>16&quot; x 30&quot;</td>
<td>Large Orchestra</td>
<td>35.00</td>
<td>45.00</td>
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<tr>
<td>No. 210</td>
<td>18&quot; x 32&quot;</td>
<td>Large Band</td>
<td>45.00</td>
<td>55.00</td>
</tr>
<tr>
<td>No. 213</td>
<td>16&quot; x 34&quot;</td>
<td>Symphony</td>
<td>47.00</td>
<td>57.00</td>
</tr>
</tbody>
</table>

**Sticks and Sling Not Included.**

For choice of Ludwig Pearl Shell finishes add to above prices .......................... $25.00 Extra

Rope Tension models available at same prices.

---

# LUDWIG
## PIONEER BASS DRUM

### FEATURES
- Mahogany Shell
- Quality Heads
- Tympani Style Rods

**STURDILY** built of quality materials and carefully assembled, Pioneer Bass Drums are excellent for small school bands and the drummer pupil. Mahogany shells, maple counter hoops, and quality heads. Tympani style center support rod.</p>

### SINGLE TENSION ONLY

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Size</th>
<th>Recommended</th>
<th>Nickel Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 760</td>
<td>12&quot; x 24&quot;</td>
<td>Juvenile Orchestra</td>
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</tr>
<tr>
<td>No. 762</td>
<td>12&quot; x 26&quot;</td>
<td>Lobbing Dance Orchestra</td>
<td>28.00</td>
</tr>
<tr>
<td>No. 766</td>
<td>14&quot; x 26&quot;</td>
<td>Standard Orchestra</td>
<td>30.00</td>
</tr>
<tr>
<td>No. 788</td>
<td>14&quot; x 30&quot;</td>
<td>Small Band</td>
<td>33.00</td>
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<tr>
<td>No. 770</td>
<td>16&quot; x 30&quot;</td>
<td>Large Orchestra</td>
<td>34.00</td>
</tr>
</tbody>
</table>

**Sticks and Sling Not Included.**

For choice of lacquer colors on shell and hoops .............................................. $3.00 Extra

Pioneer Bass Drums cannot be supplied with painted head scenes or pearl shells.

---

# PIONEER "TANGO" MODEL BASS DRUM

Made in 9" x 24" size, this model is ideally suited to junior orchestra and child rhythm band use because of its small size, light weight and moderate price. Genuine mahogany shell, quality calfskin heads and nickel plated metal parts. Not suited for Srventh Bass Drum use. Sticks and sling not included.

No. 757—With Mahogany shell, Maple hoops and Nickel fittings ......................... $20.50 Extra

For choice of lacquer colors on shell and hoops .............................................. $2.00 Extra
LUDWIG PAINTED DRUM HEAD SCENES

Ludwig color scenes are hand painted by artists skilled in this particular work. Thoroughly waterproof so they can be washed without fear of spoiling or smudging. Fully transparent to permit use on blinder lights inside the drum. Available for Standard and Artist's models Ludwig bass drums in 20", 22" and 26" sizes only, or prices listed below. Special painted scenes, designs or lettering at special order only. Write for prices submitting sketch and giving size of drum head.

No. 132—Choice of color scenes illustrated, add to the price of drum. $10.00 Extra

NOTE: If ordered separately, to this price add cost of Selected Whitehead bass drum flash hoop, and including of head. See pages 26-27 for these prices.

BASS DRUM BLINKER LIGHTS

No. 131—Blinker attachment, plug in from outside of drum shell, for 110 A.C. current. Red and blue lights with cord, socket and plug. Installed complete at $7.50

MULTI-COLOR SHELL FINISH

This is a unique finish deviously applied to give an entirely new and distinctive effect. Two contrasting colors are used to get the three-toned finish illustrated here—blue and silver. The blue, which is almost black at the flash hoops, gradually fuses with the silver in a beautiful silver-blue tone as it approaches the middle of the shell. As the blue diminishes the silver gains strength until it appears as a pure color halfway between the hoops. Skillful rubbing and polishing bring out the marvellous color gradations and impart a beautiful high lustre to the drum shell. With counter hoops inside in silver flash pearl as illustrated the ultimate in beauty is attained.

LUDWIG CHROMIUM PLATING

Chromium plating has proved a boon to the drum maker for it is the ultimate in plating—a plating with a highly reflective, blue-white luminescence that is not affected by moisture, atmospheric conditions, or the usual corrosive properties. It is a finishing plating, being second only to Chromium in hardness, and it will not crack, flake, or peel. Easy to keep clean, too. Merely swipe with a damp, soft cloth will restore its original lustre, and it will not rust or tarnish. Most metal items in this catalog can be had with Chromium plating—why not use it for greater beauty and satisfaction?

CLASSIC-GOLD FINISH

A gold-like plating supplied on Ludwig Metal Shell drums, drum fittings and metal accessories. Longly supplied by Chromium plating because of greater reflectivity and lustrous properties. However, if desired, any item in this catalog listed in Chromium finish can be had in Classic Gold on special, non-cancellable order only at the same price as Chromium finish.

WHITE AVALON PEARL DRUMS

Avalon Pearl—white, bright and showy, is at the same time dignified, and is richly appropriate in any setting. Its surface markings reflect the light and colors of its surroundings with an inscrutability that is impossible to describe but breathtakingly lovely to behold. The tinted bluish sheen of Chromium plated fittings adds a final touch of striking beauty and electrification.

This beautiful finish is available for Super-Sensitive, Super-Ludwig, and Standard wood shell snare drums, and for Standard and Artist's bass drums in slight additional cost as listed below. A complete outfit with snare and bass drum in Avalon Pearl is illustrated on the opposite page.

PRICES

Snare Drums
White Avalon Pearl for any size Super-Sensitive, Super-Ludwig, or Standard wood shell drums, add to Mahogany shell price of either nickel or chromium fittings $7.50 Extra (See pages 12, 14, 15)

Bass Drums
While Avalon Pearl Shell and inlaid counter hoops for Standard or Artist's bass drums up to 14" size, add to price of either nickel or chromium fittings $25.00 Extra (See pages 20, 21)
SUPER-LUDWIG DELUXE DRUM OUTFIT

Here is one of the finest and snappiest outfits that has ever been assembled: an outfit of high professional quality with the drums finished in gleaming White Super Avola Pearl. This outfit has everything—Temple Blocks, and Mallets, Tramp Table, Tom-Tom, Cymbals, Cymbal-Clips, Jazz Sticks, Bass Drum Muffle, Ludwig New Speed Pedal, new Super-Ludwig “Silver Anniversary” snare drum and bass drum finished in beautiful New White Avola Pearl, with all fittings heavily nickel plated.

Complete Outfit Consists of:
- 14" x 29" Single Tenor Artist’s Bass Drum in White Avola Pearl
- 8" x 14" Super-Ludwig Snare Drum in White Avola Pearl
- Professional Snare Drum Stand
- New Ludwig Speed Pedal
- Bass Drum Spikes
- Drump Table complete with Cymbal Arms and Cymbal-Clips
- 10" Snare Cymbal
- 13" Snare Cymbal
- Bass Drum Temple Block Rock and complete set Ludwig Temple Blocks
- 10" Chinese Tom-Tom
- Chinese Tom-Tom Holder
- Bass Drum Muffle
- 8" Professional Tambourine
- One Pair Cymbal-Clips on handle
- One Pair Beav-Roller Head Muffler
- One Pair Snare-Set Brushes
- One Pair Ludwig Snare-Set Brushes
- Ludwig Elementary Drum Method

No Substitutions or Omissions
No. 1160FY—Super-Ludwig Deluxe Outfit as described and illustrated, with drums fittings and all accessories heavily Nickel Plated, complete .............. $179.50

SPECIAL NOTICE—The above Pearl outfits may be had also with any other standard Ludwig Pearl or Flash, on special order at no extra cost. Slight delay on delivery, however.
LUDWIG PROFESSIONAL DRUM OUTFIT

This is a highly popular outfit made up of standard Ludwig professional equipment and offered at a price that is within the reach of all. New items can be added as the need, or desire, arises. Bass and snare drums are finished in beautiful Black Avalon Pearl, though the outfit is also priced with drums with regular mahogany shells. Nickel plated fittings and accessories.

Complete Outfit Consists of:

14½" 20" Single Tension Snare Drum
10" 14½" Chinese Tom-Tom Holder
9½" 12" Snare Drum Stand
Ludwig Original Foot Pedal
Base Drum Slip
Ludwig Tom Tom Stand
Ludwig Elementary Drum Method

No Substitutions or Omissions

No. 1162PB: Ludwig Professional Outfit as illustrated and described, with nickel plated fittings and accessories, complete ................................................................. $129.50
No. 11621—Same outfit, but with Mahogany Shell Bass and Snare Drums, complete .................................................................................................................. $97.50

White Avalon Pearl

Abalone Pearl

Black Avalon Pearl

Illustrations approximately half size.

LUDWIG MULTI-COLOR DRUM OUTFIT

This black and white reproduction gives but a slight idea of the striking beauty of this splendid outfit with the drums finished in the highly popular new blue and silver Ludwig Multi-Color finish. (Larger individual illustrations of both snare and bass drums are shown on page 28.) Only the most essential items are included both to keep the outfit at a low price and to permit the purchaser to select whatever additional items he may want to add to it.

Complete Outfit Consists of:

14½" 20" Single Tension Artist's Bass Drum with blue and silver Multi-color shell and nickel plated metal fittings
10" 14½" Chinese Tom-Tom Holder
9½" 12" Snare Drum Stand
Ludwig Snare Drum Holder with Tip Adapter
One Pair Symphony Brushes
One Pair Ludwig Brass Snare Sticks

No Substitutions or Omissions

No. 11623B: Ludwig Blue and Silver Multi-Color Outfit as illustrated and described, with nickel plated fittings and accessories, complete ........................................ $92.50
With Silver Flash Pearl inlay on bass drum hoops, add .................................................................................. $3.00 Extra
LUDWIG MARVEL DRUM OUTFIT

Everything its name implies—a marvel in quality, completeness, beauty and in price. May be had with drums in either jet black as illustrated, in natural mahogany finish, or in gleaming white.

Complete Outfit Consists of:

12"x26" Powder: Single Brass Base Drum, Jet Black Shell, 8 1/2" Powder: Snare Drum to match.
Chinese Drum Stand.
Ludwig Junior Tom Pedal.
Bass Drum Spurs.
Two-Tone Wood Block.
Ludwig Elementary Drum Method.

No Substitutions or Omissions
No. 11648—Ludwig Marvel Outfit as illustrated and described, with nickel plated fittings and accessories, complete ........................................ $75.00
No. 11649—Same Outfit, but with White Shell Bass and Snare Drums, complete ........................................ 75.00
No. 11650—Same Outfit, but with Mahogany Shell Bass and Snare Drums, complete ........................................ 75.00

LUDWIG TANGO DRUM OUTFIT

An excellent outfit, smaller than a professional outfit, with everything that is needed for home and school playing, or small playing jobs. Nothing that is not essential is included in this setup, so the young drummer can select additional traps, etc., as he needs them. Complete and substantial in every way.

Complete Outfit Consists of:

3 1/2"x24" Powder: "Tango" Model Base Drum with Mahogany Shell.
13"x14" Junior Snare Drum with Mahogany Shell.
Junior Snare Drum Stand.
Junior Tom Pedal.
Bass Drum Spurs.
Ludwig Elementary Drum Method.

Ludwig Outfit as illustrated and described, with nickel plated fittings and accessories, complete ........................................ $45.00

LUDWIG JUNIOR DRUM OUTFIT

A fine, substantial and practical outfit for the young drummer enthusiast from seven to twelve years in age. Both the drums and other items are quality instruments made to the usual high Ludwig professional standards. An outfit which will give any child an excellent start in his musical education.

Complete Outfit Consists of:

8"x22" Universal Bass Drum with Maple Shell and red lacquered hoops.
3 1/2"x12" Junior Snare Drum with Mahogany Shell and red lacquered hoops.
Ludwig Cymbal Holder with Tip Adapter.
One Pair Ludwig Hickory Drum Sticks.
Ludwig Elementary Drum Method.

No Substitutions or Omissions
No. 11671—Ludwig Junior Drum Outfit as illustrated and described, with nickel plated fittings and accessories, complete ........................................ $35.00

Silver Flash Pearl
Red Flash Pearl
Green Flash Pearl
Gold Flash Pearl

Page Twenty-five
Illustrations are actual size
LUDWIG
PARADE DRUMS
IN PEARL SHELL
AND LACQUER
COLOR
FINISHES

HERE, truly, is a glorified reproduction of the finest mother-of-pearl in all its loveliness — silver swirls and dyes enlivened by delicate iridescent purples, blues, greens, yellows, reds and golds against a black background which is just prominent enough to give the Pearl the necessary character and strength that makes it the outstandingly beautiful creation that has made it so popular.

The Abalone Pearl shell drum shown above is the Artist's Single Tenor, Centre Support. Bass Drum with Nickel fittings. The counter hoops are inlaid with a strip of the Abalone Pearl which gives the drum an added note of beauty and distinction.

The Abalone Pearl shell finish may be had on Standard or Artist's Bass Drums with Ludwig Super-Sensitive, Super-Ludwig or Standard snare drums to match the extra prices listed where these drums are shown, and in pearl shell drum outfits shown on pages 23 and 24.

No. 203PA — Artist's Bass Drum, 14" x 28", as illustrated and described, with Nickel plated fittings ............................................. $60.00
No. 205KPA — Same, but with Chromium plated fittings .................................................. 70.00

THE SNARE DRUM TO MATCH

The new Ludwig "Silver Anniversary" Snare Drums, when finished with the new Abalone Pearl shell, will give you the basis for an outfit of unexcelled appearance and utility.

No. 52PA — Super Ludwig Snare Drum, size 5" x 14", with Abalone Pearl shell and Nickel plated fittings ............................................. $52.50
No. 53KPA — Same, but with Chromium plated fittings .................................................. 65.00

These four illustrations show a few of the many beautiful pearl shell finishes and lacquer color combinations available on Ludwig Parade Drums. The drum shown is No. 227, Champion Parade Drum, and illustrates the following finishes, reading from top to bottom:

First: Gold Flash Pearl shell, with Green Flash Pearl internal hoops, and Chromium plated fittings.

Second: White Abalone Pearl shell with matching internal counter hoops, contrasting Gold and Green Flash Pearl ducts, and Chromium plated fittings.

Third: Lacquered shell and hoops in V.F.W. colors with Emblem transfer and Chromium plated fittings.

Fourth: Lacquered shell and hoops in American Legion colors with Emblem transfer and Chromium plated parts.

Prices for Pearl or lacquer finishes on Parade Drums are listed under the respective drums on pages 17 and 18.
LUDWIG FOOT CYMBALS, CHINESE CYMBALS
AND GONGS

HIGH-HAT SOCK PEDAL
Symbols are 36 inches from the floor in a position where the drummer can play rhythms on them with his sticks. Excellent for working up crescendos and for use after beats with the bass drum. Two No. 410 Ludwig Deep Cup Symbols are recommended for use with this pedal. Folds compactly into a very small space and is light in weight.

Symbols not included.
No. 942 — High Hat Sock Pedal, Nickel $8.50
No. 942X — Same, but in Chromatic $13.00

LOW SOCK PEDAL
Identical in operation with the High Hat Sock Pedal described above but places the symbols about 9 inches from the floor. Its use is similar to the above symbols cannot be used for stick rhythms. Played with the left foot. Folds into a small space and is light in weight.

Symbols not included.
No. 941 — Low Sock Pedal, Nickel $5.00
No. 941X — Same, but in Chromatic $8.00

“SNOWSHOE” PEDAL
So named because of its similarity to snowshoes in appearance, and the feel of the left-foot symbol pedal to be made. Sturdily built of wood in enameled finish, with web foot strap and strong spring hinge that will give lots of service. Price includes two 10” brass symbols as illustrated.

No. 940 — “Snowshoe” Pedal including two 10” symbols as illustrated $5.50

CHINESE GONGS
Essential for heavy crash introductions. Oriental numbers, and specialties. A strong blow gives a thunderous crash effect while a gentle blow will bring forth a rich, vibrant tone.

No. 455 — 14” diameter $3.75
No. 455X — 13” diameter $3.50
No. 456 — 18” diameter $10.00
No. 457 — 20” diameter $12.00
No. 458 — 22” diameter $14.00

CHINESE GONG STANDS
No. 989 — Special Gong Stand as illustrated at the right. Extra strong construction with heavy ring and telescopic posts with sturdy base. HEAVILY NICKEL PLATED WITH BLACK BASE $12.50

Note: Give size of gong when ordering Gong Stand

CHINESE CYMBALS
Handhammered, finely tempered, and of good quality. These symbols are especially desirable because of their brilliant “crash” tone, whanging and peculiar sound which you often hear.

No. 442 — 12”, each $32.50
No. 459 — 13”, each $3.00
No. 454 — 14”, each $3.50
No. 460 — 15”, each $4.00
No. 461 — 16”, each $7.00

BOCK-A-DA-BOCK CYMBALS
Rock-a-da-Boo Cymbals were so named because of their fascinating cupped effect on fast rhythms. They have a popping cup effect that will prove plenty hot on special rhythms, and will give a nice symbol ring when played with glancing blows. Particularly flashy when featured in pairs. Each instrument consists of two symbols on one handle. Two handles (four symbols) to the pair.

No. 835 — One handle with two symbols each $2.25
Per pair, two handles, two symbols on each handle $4.50

Page Twenty-seven
**Genuine Zenjian Cymbals**

(100% Turkish Type Cymbals)

For quality and brilliance of tone, none can surpass the Genuine "ZENJIAN" true Turkish type cymbal. They have that necessary "zipp," "zing" and "ring" that is the true characteristic of cymbal quality, and which is so desirable and necessary in modern playing.

There is a ZENJIAN for every need and purpose. The pitch varies with the thickness and is largely a matter of preference. Thin are high pitch. Heavy are low pitch. Medium are pitched between the thin and heavy. Band and Drum Corps Cymbals should be heavy cymbals. Please specify—thin, medium or heavy when ordering.

| No. 431 | 13" thin feature rhythm cymbal | $ 6.50 |
| No. 429 | 12" thin—high pitch cymbal | 7.00 |
| No. 455 | 15" thin—medium or heavy | 9.00 |
| No. 479 | 14" thin—medium or heavy | 10.50 |
| No. 438 | 14" thin—medium or heavy | 12.50 |
| No. 439 | 15" medium or heavy | 15.00 |
| No. 430 | 16" medium or heavy | 17.00 |

**Deep Cup Zenjian**

This is an extremely thin, light, deep cup symbol used for fast crash and stick work. Has a penetrating "squeaky" ring that is plenty hot for modern cymbal playing. You need one of these in your work. Made in one size and weight only.

No. 411—10" Deep Cup ZENJIAN | $8.00

**Stanople Cymbals**

These are fine quality, Turkish-type cymbals that are surpassed only by the genuine Zenjian cymbals listed above. In tone, "zing" and vibration. Those which are specially selected by us are assured of the best possible cymbals obtainable at these prices. Band and Drum Corps cymbals should be heavy—please specify whether thin, medium or heavy cymbals are wanted when ordering.

| No. 825 | 10" Deep Cup for fast crash and "Hot socket" effects, Each | $ 7.00 |
| No. 824 | 10", Thin only | 5.50 |
| No. 823 | 11", Thin only | 6.00 |
| No. 822 | 12", Thin only | 7.00 |
| No. 821 | 13", Thin, medium or heavy | 9.00 |
| No. 830 | 14", Thin, medium or heavy | 11.00 |
| No. 820 | 15", Medium or heavy | 13.50 |
| No. 821 | 16", Medium or heavy | 15.00 |

All Cymbal prices subject to market change.

**Ludwig Made Cymbals**

Tone is the chief requisite of cymbals. Ludwig own make Cymbals are "spun" by skilled workers, and are processed to meet the exacting requirements of the drummer. Recommended for all types of pedal or sock work. Owing to market conditions in the prices of brass, prices are subject to change without notice.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
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<tr>
<td>434</td>
<td>13&quot;</td>
<td>$ 2.40</td>
</tr>
</tbody>
</table>

**Nickel Silver**

These cymbals are hand spun and polished to a satiny-silver finish. Inexpensive substitute for Turkish type cymbals in Junior Drum Corps.

No. 445—13", Each | $3.50

**Extra Deep Cup Sock Cymbal**

An extra deep, squaky and hollow cymbal tone is produced with this 10" cymbal which has a 6" cup. Use it on your sock cymbal pedal or in pairs inverted for stick work.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Each</th>
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<tbody>
<tr>
<td>479</td>
<td>10&quot; Brass</td>
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<tr>
<td>479K</td>
<td>10&quot; Chromium</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

**Deep Cup Brass**

Spun from heavy American brass. Excellent, and recommended for sock and squash attack on the Ludwig High Hat Foot-Sock. Pedali and Holders. Noted for their splendid tone qualities.

No. 410—10" Deep Cup | $1.25

**Sizzle Cymbals**

Wide usage has made this one of the standard symbols in the drummer's ensemble. Its chattering, rasping, sizzling tone will come in handy on every job you play. Made with six "Sizzlers" of the correct weight and size for the best effects. One size only. Use special sticks listed on page 38.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>425</td>
<td>Ludwig Sizzle Cymbal</td>
<td>$2.50</td>
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<tr>
<td>606</td>
<td>Notched Sticks for Sizzle Cymbals, per pair</td>
<td>$.50</td>
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</table>
LUDWIG CYMBAL HOLDERS, PADS AND STRAPS

New and Improved Ludwig Cymbal Holder with Tip Adapter

Drummers who have seen and tried this new cymbal holder will find it the best and cleverest cymbal mounting for modern use as it is on the market today.

It is the most practical holder for free swinging or chaujing single symbols. Features the upright cymbal holder which clamps to bass drum counter hoop with Hold-Tite clamp. Fully adjustable as to position. The Tip Adapter is compactly made with a rounded rubber shoulder and felt washer so that no metal touches the cymbal. The Adapter has a counter sunk hole so that it slips right on the rod itself and cannot fall off. Adapter remains on the cymbal and does not have to be removed when the cymbal is panned.

Fully adjustable in every way, this new cymbal holder with its unique Tip Adapter permits every possible variation of symbols from free vibration to a complete and forced "choke". Available in two finishes as listed below.

| No. 470 — Cymbal Holder with Tip Adapter, Nickel plated. Each | $1.25 |
| No. 470X—Same, in Chromium | 2.50 |
| No. 471 — Tip Adapter only. Nickel | .35 |
| No. 471X—Same, in Chromium | .50 |

Spring Crash Cymbal Holder

This cymbal holder is the nearest approach to complete cymbal suspension obtainable. Completely adjustable. Clamps to front counter hoop of bass drum, and can be set off center to clear wood blocks and swing level at the same time. Nickel plated.

| No. 496 — Spring Crash Cymbal Holder, complete | $2.50 |
| No. 496X—Same, in Chromium | 3.50 |

Upright Cymbal Holders

To get the best tone from a cymbal it should be suspended, thus permitting it to swing and vibrate with all freedom possible. Ludwig Upright Cymbal Holders give the cymbals this freedom. They clamp firmly and securely to the bass drum hoop with the improved Ludwig Hold-Tite clamp, and are thoroughly adjustable for positions.

| No. 476 — Ludwig Upright Cymbal Holder for Single Cymbal, Nickel, Each | $1.50 |
| No. 476X—Same, in Chromium | 2.25 |
| No. 477 — Ludwig Upright Cymbal Holder for Double Cymbals, Nickel, Each | 2.50 |
| No. 477X—Same, in Chromium | 3.50 |
| No. 488 — Arm only, Nickel, Each | .80 |
| No. 488X—Same, in Chromium | 1.25 |

Cymbal Pads and Straps

Lomba wood covered horsehide cymbal pads and strap permit full cymbal vibration and protect the knuckles from bruising. Soft, strong and readily the very finest and most practical cymbal holding device made.

| No. 413 — Loma Wool Covered Pad, each | $1.25 |
| No. 414 — Loma Wool Covered Strap, each | .75 |
| No. 416 — Plain Leather Pad, each | .50 |
| No. 420 — Plain Leather Strap, each | .25 |

Cymbal Suspenders

Throw away the twine, string, or wire that you have been using to suspend your crash symbols. You'll get many times the efficiency with these cymbal suspenders. Leather strap riveted to cup-holder disc that has a felt cushion so no metal touches the cymbal. Simply slip the leather strap through the cymbal and hang it on the holder.

| No. 417 — Cymbal Suspenders, each | $0.25 |

Improved Hand Cymbal Holder

An improved wood handle cymbal holder. Cymbal is cushioned between two thick felt washers. Patent pending slot and pin connection holds symbol firmly but permits fullest vibration. Handle equipped with adjustable leather strap for the hand.

| No. 472 — Improved Cymbal Holder | $1.25 |

Standard Hand Cymbal Holder

Standard wood handle with adjustable strap. A well known, and very satisfactory handle.

| No. 750 — Standard Cymbal Handle | $0.75 |

Bass Drum Cymbal Holder and Wire Beater

Permits full cymbal vibration, and fastens firmly to counter hoop. Sturdy and non-marred.

| No. 474 — Bass Drum Cymbal Holder | $1.75 |
| No. 751 — Wire Loop Cymbal Beater | .75 |
There is more speed in this pedal than most drummers will ever need, and the action is a revelation—perfectly balanced, extremely light, and so easy to work that you can beat away hour after hour without the least hit of strain.

The Super-Speed Pedal is a ball-bearing pedal throughout. The beater shaft revolves on ballbearings that are packed in absorbed oil and are self-aligning. Friction is reduced to a minimum, and speed without exertion is the resulting feature.

The pedal action is delicately balanced and smooth. The compression spring, stronger than any spring of the extension type, is enclosed so dust, dirt, and grime cannot injure the action or slow the speed. The spring can be tensioned to meet your individual preference and locked in that adjustment with a lockout.

No. 306 Pedal only in Nickel without Spurs or Cymbal Holder $15.00
No. 308K Same, but in Chrome $20.00

Now, at the price you would naturally expect to pay for an ordinary pedal, you can get a Speed Bearing pedal that has everything the modern drummer can want—lightning fast speed with a free-flowing, smooth-as-silk action that is absolutely effortless because there is no strain, friction, binding or resistance. The pedal is perfectly balanced with an unusually short toe stroke due to the design of the heel-plate foot-board. Great strength and durability are combined with the advantages of light weight and minimum bulk. No delicate adjustments are necessary and no working parts can get out of order. The simple tension spring adjustment will give you the exact "pedal feel" that you like, and the beater rod and cymbal striker are likewise completely adjustable. Note the clean, modern styling of this new pedal, too.

Both the Speed-Bearing and plain-bearing models are exceptional pedals at unusually low prices. See both models and be convinced of their merits before deciding to buy any other pedal.

Alternating Model

The pedal combines all the features of the Pedal shown above plus an alternating cymbal striker which permits the drummer to throw his cymbal on or off quick as a flash at any point in the travel of the footboard even in the fastest temps. This is readily accomplished without the loss of a beat by a simple movement of the toe. All the desired features of a smooth, fast-working and flexible pedal are incorporated in this exceptional Ludwig model.

No. 308—Pedal only, Nickel plated, without Spurs and Cymbal Holder $19.00
No. 308K—Same, but in Chromium $25.00

With Speed-Bearings

The Speed-Bearing model is naturally the fastest, smoothest and easiest working pedal of the two models. Blue lacquered standard, polished aluminum footboard and all other metal parts heavily nickel plated.

No. 327—Ludwig New Speed Bearing Pedal as illustrated and described $12.50
No. 328—Ludwig New Speed Bearing Pedal as illustrated and described $10.00

Plain Bearing Model

A fast, smooth, easy working pedal that easily outshines any other pedal in its price class. The only external differences between this and the Speed-Bearing model is the Blue lacquered rocker arm featured on this model.

No. 329 Nickel Bearing Pedal, Same as No. 327, but without Speed Bearings $10.00
The Ludwig Original Pedal was the first floor-swing pedal made, and since its introduction it has been improved until now it is surpassed only by the Ludwig Super-Speed models.

The action is easy with a smoothness and speed that is exceptional for a pedal of its price. Several of the original models are still in use, and many gave more than fifteen years of unfaltering daily service to their owners. Beater shaft has two holders for the beater ball rod. One is for a muffled effect from a direct center blow, and the other for an off center beat, giving a resonant, full tone drum tone to meet the drummer’s need. The pedal folds into a small space, is light in weight, sturdily built, and designed to give lasting satisfaction.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>310</td>
<td>Pedal in Nickel without Spurs or Cymbal Holder</td>
<td>$8.40</td>
</tr>
<tr>
<td>310X</td>
<td>Same, but in Chromium</td>
<td>$12.60</td>
</tr>
<tr>
<td>312</td>
<td>Pedal in Nickel with Spurs and Cymbal Holder</td>
<td>$10.00</td>
</tr>
<tr>
<td>312X</td>
<td>Same, but in Chromium</td>
<td>$15.00</td>
</tr>
</tbody>
</table>

Spurs and Cymbal Holders

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>Cymbal Holder, Rigid and adjustable, in Nickel</td>
<td>$1.35</td>
</tr>
<tr>
<td>320X</td>
<td>Same, in Chromium</td>
<td>$1.85</td>
</tr>
<tr>
<td>321</td>
<td>Cymbal Holder, Strong, rigid, adjustable, in Nickel</td>
<td>$9.90</td>
</tr>
<tr>
<td>323K</td>
<td>Same, in Chromium</td>
<td>$9.90</td>
</tr>
<tr>
<td>324</td>
<td>Drum Spur of best steel with sharp point and non-swinging swivel clamp. Strong and practical, in Nickel, per pair</td>
<td>$.75</td>
</tr>
<tr>
<td>324K</td>
<td>Same, in Chromium</td>
<td>$1.10</td>
</tr>
<tr>
<td>328</td>
<td>Drum Spur. Light, durable, convenient and inexpensive, in Nickel, per pair</td>
<td>$.90</td>
</tr>
<tr>
<td>329K</td>
<td>Same, in Chromium</td>
<td>$.90</td>
</tr>
</tbody>
</table>

The Ludwig Junior Pedal illustrated above is a dandy for the drummer who does a lot of jobbing because it does the work required of it, folds conveniently into a very small space, is substantially constructed, and sells at a very low price.

While the cost is low, this pedal is constructed to give a lot of genuine service, and satisfaction, to its user. Its surprising speed, extreme lightness, and ease of action actually makes its economy of cost. The pedal clamps to the bass drum hoop firmly and securely without marcing its finish. The foot-board is stamped from fine, strong, light alloyed metal, and the spring is sturdy and strong, insuring satisfactory wear and service. The beater-ball is quality solid felt, and both the beater-rod and the cymbal stick are adjustable for bass drum and cymbal tones to meet your particular needs or preference. The pedal is carefully finished and presents a good appearance.

Spurs and Cymbal Holders

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>332A</td>
<td>Metal Tipped Spurs, Per pair</td>
<td>$1.50</td>
</tr>
<tr>
<td>332AX</td>
<td>Same, in Chromum</td>
<td>$2.25</td>
</tr>
<tr>
<td>332B</td>
<td>Rubber Tipped Spurs, Per pair</td>
<td>$1.50</td>
</tr>
<tr>
<td>332BX</td>
<td>Same, in Chromium</td>
<td>$2.25</td>
</tr>
<tr>
<td>332</td>
<td>Giant Spurs. Fasten higher up on the drum shell. Prevent sideways or tipping of drum when heavy traps are used, such as temple blocks, toms, etc. Reversable metal and rubber tips. Nickel plated, Length 9 1/2&quot;. Per pair</td>
<td>$2.00</td>
</tr>
<tr>
<td>332XK</td>
<td>Same, in Chromium</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

Disappearing Spur

You don’t have to remove these spurs when you pack your drum. Simply loosen the adjustment screw and slide the spur up out of the way. Save time and effort, and loss is reduced to a minimum. Rubber tipped spurs are recommended for tile concrete, or waxed floors. Heavily nickel plated.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>322</td>
<td>Giant Spurs. Fasten higher up on the drum shell. Prevent sideways or tipping of drum when heavy traps are used, such as temple blocks, toms, etc. Reversable metal and rubber tips. Nickel plated, Length 9 1/2&quot;. Per pair</td>
<td>$2.00</td>
</tr>
<tr>
<td>322XK</td>
<td>Same, in Chromium</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

Page Thirty-one
TEMPEL BLOCKS, TRAP TABLE, BOARD AND CONSOLE

LUDWIG KOREAN PROFESSIONAL TEMPEL BLOCKS

These are the very finest imported, specially selected deep toned Korean Temple Blocks on the market today. Their deep, rich, penetrating tone makes them indispensable for the modern rhythmic drummer. Recommended for the finest and most exacting professional work.

These blocks are all carefully tuned to correct intervals at the Ludwig factory and beautifully finished in gleaming black, red and gold lacquer that will stand the hard knocks of daily usage. All blocks are Ludwig trade marked.

Ludwig soft rubber head matelots No. 8-753, shown on page thirty-eight are recommended for best results with these temple blocks.

Available individually, or in complete set of five as listed below.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>998.1</td>
<td>6 1/2”</td>
<td>$8.00</td>
</tr>
<tr>
<td>998.2</td>
<td>8”</td>
<td>$5.00</td>
</tr>
<tr>
<td>998.3</td>
<td>5 1/2”</td>
<td>$4.00</td>
</tr>
<tr>
<td>998.4</td>
<td>4 1/2”</td>
<td>$3.50</td>
</tr>
<tr>
<td>998.5</td>
<td>4 1/2”</td>
<td>$2.50</td>
</tr>
<tr>
<td>998</td>
<td>Complete set of five</td>
<td>$18.00</td>
</tr>
</tbody>
</table>

Finished in any other combination of three lacquer colors, per set $4.00 Extra

COMMERCIAL TEMPEL BLOCKS

Imported Korean Temple Blocks at a special low price. Those blocks are not returned or refinished as are those described above, and are recommended only when minimum expenditure is a paramount consideration. Available only in complete set of five.

<table>
<thead>
<tr>
<th>No.</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>999</td>
<td>Complete set of five</td>
<td>$9.00</td>
</tr>
</tbody>
</table>

BASS DRUM TEMPEL BLOCK RACK

Clamps to the bass drum with the improved, non-marking Hold-Tite clamps and is adjustable to height. Temple Blocks slip into posts and are held firmly in place by wing nuts which screw to the post over felt and fiber washers. Rock splints for packing, is sturdy, compact, and light.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>994</td>
<td>As shown, in Nickel</td>
<td>$5.50</td>
</tr>
<tr>
<td>994X</td>
<td>Same, but in Chromium</td>
<td>7.50</td>
</tr>
</tbody>
</table>

SINGLE TEMPEL BLOCK HOLDER

A convenient holder when only one, or two, Temple Blocks are used. Hold-Tite clamp.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>986</td>
<td>Temple Block Holder, Nickel</td>
<td>$1.25</td>
</tr>
<tr>
<td>986X</td>
<td>Same, but in Chromium</td>
<td>1.90</td>
</tr>
</tbody>
</table>

TRAP TABLE

Adjustable to any size bass drum and permits an unusual variety of cymbal mountings, and trap arrangements. Drilled for cymbal supports, handcrafted lacquered, and covered with felt.

Usually slip the temple blocks over the posts of the trap and rigging. Blocks are held securely between the washers which are supplied. This is the simplest temple block set-up to date. No. 471 Cymbal Adapters (illustrated on page 29) permit to swing freely and remain on cymbals when cymbals are packed.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1004</td>
<td>Table only (without Temple Block Rock, Cymbal Holders, or Blocks)</td>
<td>$37.50</td>
</tr>
<tr>
<td>997</td>
<td>Temple Block Rock only (for Trap Table), with 2 rear Cymbal Arms that act as supports for Rock, including Cymbal Adapters, Nickel</td>
<td>$4.50</td>
</tr>
<tr>
<td>997E</td>
<td>Same, but Chromium</td>
<td>$6.75</td>
</tr>
<tr>
<td>1003</td>
<td>Short front Cymbal Arm, including Cymbal Adapter, Nickel</td>
<td>$1.00</td>
</tr>
<tr>
<td>1003K</td>
<td>Same, but Chromium, each</td>
<td>$1.50</td>
</tr>
<tr>
<td>1002</td>
<td>Long rear Cymbal Arm, including Cymbal Adapter, Nickel, each</td>
<td>$1.00</td>
</tr>
<tr>
<td>1002E</td>
<td>Same, but Chromium</td>
<td>$1.50</td>
</tr>
<tr>
<td>471</td>
<td>Extra Cymbal Adapter for No. 1002 or No. 1003 Cymbal Arms, Nickel</td>
<td>$0.35</td>
</tr>
<tr>
<td>471E</td>
<td>Same, but Chromium, each</td>
<td>$0.50</td>
</tr>
</tbody>
</table>

TRAP BOARD

This convenient Trap Board will hold a goodly number of traps, sticks, etc. Covered with a good felt and has a wood rim that prevents the traps and sticks from rolling off. Strong and rigid. Fastens to bass drum rod and is supported by a felt padded wood block that rests on the drum shell. Very convenient. Adjustable.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1013</td>
<td>Ludwig Trap Board</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

TRAP CONSOLE

The Ludwig Trap Console shown to the right is the most convenient, efficient, and flashy means of having everything right where you want it when you want it, a combination that is difficult to beat. All metal parts are heavily nickel plated and presents a flashy, showy appearance. The entire Console can be assembled in a jiffy, and taken down just as quickly and packed. Packs into a small space for transporting, and weighs only nineteen pounds complete.

The Tom-Tom rings are for the standard 10” and 12” size Tom-Toms, and are optional to the purchase of the Trap Console. Prices with and without rings are listed below.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1005</td>
<td>Trap Console complete with Tom-Tom Rings, Nickel plated</td>
<td>$36.00</td>
</tr>
<tr>
<td>1005K</td>
<td>Same, but in Chromium</td>
<td>$64.00</td>
</tr>
<tr>
<td>1006</td>
<td>Trap Console without Tom-Tom Rings, Nickel plated</td>
<td>$30.00</td>
</tr>
<tr>
<td>1006E</td>
<td>Same as No. 1006 Console, but in Chromium</td>
<td>$45.00</td>
</tr>
</tbody>
</table>
WOOD BLOCKS, COW BELLS, TRIANGLES AND DRUM MUFFLERS

Two-Tone Blocks

These have a full, resonant tone that is soft and yet has the "clickety-clack" at the same time. Two tones to each block—one at each end, four tones to a set of two. Fashion to bass drum hoop with the new Hold-The clamp.

No. 955—Large Block and Holder. Nickel $2.00
No. 955K—Same, in Chromium 3.75
No. 956—Holder only, in Nickel 1.50
No. 964K—Same, in Chromium 2.25
No. 967—Large Two-Tone Block only 1.50
No. 969—Small Two-Tone Block only 1.30

Chinese Wood Blocks

Selected from the best importations for fine tone. Drilled at both ends. Cannot be guaranteed against cracking or checking due to the peculiar type of wood used in these imported blocks.

No. 462—Small size $0.75
No. 464—Large size 1.90

Piccolo Blocks

Smaller than the usual wood block, it speaks easier and has a distinctive tone. Made of genuine select Honduras Rosewood.

No. 1422—Large size $0.90
No. 1400—Small size .75

Block Holders

Adjustable to Chinese Wood, or Piccolo, Block. Clamps to bass drum hoop rigidly. Heavily nickel plated.

No. 468—Block Holder, Nickel, each $0.60
No. 468K—Same, but Chromium plated .90

Cow Bells

Cow Bells are tuned and used in sets of four, and are highly effective in rhythmic numbers when played with a pair of specialty sticks shown on page 98 or rubber xylophone mallets.

No. 508—4 Bells with Nickel Holder $5.00
No. 508K—Same, but Holder in Chromium 6.20
B21—Cow Bell only, 7½". "C" natural 1.30
B23—Cow Bell only, 8½", "E" natural 1.05
B24—Cow Bell only, 9½", "G" natural .80
B25—Cow Bell only, 3½", "C" natural .75

Slap Sticks

Made of hard rock Maple, and equipped with strong spring hinges. Used for rapid-fire rhythm beats, "hisses" and "roll" effects. Ebonized finish.

No. 547—Piccolo Slap Stick. Length 15", and 1½" wide. Each $1.00

Pressure Bass Drum Mufflers

This new bass drum muffler has the pressure adjustment screw by which the bass drum tone can be regulated to suit the desired degree with a simple twist or two of the wrist. The two 3½" diameter metal discs, each with its thick felt muffling pad, afford greater tone control than any other muffler on the market because of their greater muffling area. Good, stiff spring, and non-marring hoop clamp. Heavily nickel plated except for the blue steel spring. Fully adjustable for position and pressure.

No. 668 Nickel $2.25
No. 668K—Chromium 3.25

Regular Bass Drum Muffler

Two 3½" metal disc with their thick, felt muffler pads, and the spring steel spring combine to make this one of the finest bass drum mufflers on the market. Adjustable for position on the drum head. Non-marring hoop clamp. All parts heavily nickel plated except the spring steel spring. Excels only by the No. 668 Pressure Bass Drum Muffler described above.

No. 670—Nickel $1.75
No. 670K—Chromium 2.40

Triangles

Ludwig triangles have a clear, brilliant tone, and speak so quickly that the contact stroke of the beater is lost in the vibrations that follow. Made of better, more expensive steel than the usual triangles, they cost you no more than the ordinary makes on the market. Made in three sizes—6", 8" and 10" sizes. Every drummer needs one of these invaluable, yet inexpensive, traps. Beater is included with triangle.

No. 457—6" Triangle, ½" diameter, Nickel $0.75
No. 457K—Same, in Chromium .85
No. 458—8" Triangle, ½" diameter, Nickel 1.00
No. 458K—Same, in Chromium 1.10
No. 458S—10" Triangle, ⅝" diameter, Nickel 1.25
No. 458SK—Same, in Chromium 2.00

Triangle Holder

Clamps to bass drum hoop. Triangle passes through gut loop which permits the triangle to vibrate and ring clearly. Clamp fastens securely and will not mar the bass drum hoop. An inexpensive, serviceable holder.

No. 225—Triangle Holder, Nickel $0.50
No. 225K—Triangle Holder, Chromium .75

Page Thirty-three
LUDWIG
TUNABLE, PIGSKIN HEAD TOM-TOMS

The modern drummer has found the answer to all his Tom-Tom problems in the new Ludwig Tunable Tom-Toms. Too damp and too dry weather doesn't bother him any more because he can tighten or loosen the Tom-Tom heads to get that desired deep, full, ringless Tom-Tom tone with just a few quick turns of the tension handles whereas before he was utterly helpless in the matter.

Now Ludwig has improved these wonderful new Tom-Toms still further by equipping them with "genuine" pigskin heads so they not only have a far better tone than the finest imported Chinese Tom-Toms. Try them, and be convinced of their outstanding superiority of tone.

Better constructed of firmer materials, too, than the imported type, and made with Pearl shells or lacquer colors to match your drums, these Ludwig Tunable Tom-Toms will give you years of splendid service at prices that are within the reach of every drummer. All metal parts heavily nickel-plated.

Prices do not include stands.

<table>
<thead>
<tr>
<th>Size</th>
<th>No. 1031P</th>
<th>No. 1031</th>
<th>No. 1032P</th>
<th>No. 1032</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; x 13&quot;</td>
<td>$18.00</td>
<td>$12.00</td>
<td>$27.50</td>
<td>$18.00</td>
</tr>
<tr>
<td>12&quot; x 14&quot;</td>
<td>$23.50</td>
<td>$31.50</td>
<td>$33.50</td>
<td>$22.00</td>
</tr>
<tr>
<td>16&quot; x 16&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For Chromium plated fittings add to above prices ................................................. $3.00 Extra

TOM-TOM FOLDING STAND
Illustrated above on Tom-Toms

These stands are adjustable for height, and fit all sizes listed above. They are sturdy, light, and fold compactly into a small space. Made of steel, accurately machined, and fitted, and nickel-finished. Supplied in choice of Nickel or Chromium Plating.

No. 993 — Nickel Plated .................................................. $4.00
No. 993K — Chromium Plated .............................................. 6.00

LUDWIG
IMPORTED CHINESE TOM-TOMS
LUDWIG TRADEMARKED

The importance of Tom-Toms to the modern drummer is too well known to need emphasis here. These are the genuine imported type with red lacquer shells and fantastically colored pigskin heads fastened with quality brass handmade lugs. Beautiful in appearance, and boasting a deep, fine, full Tom-Tom tone. Owing to the fact that they are made of Oriental materials by Oriental workmen, however, we cannot guarantee them to withstand our atmospheric conditions.

Do not compare these Tom-Toms with the usual cheap, commercial Tom-Toms on the market. They are specially selected by Ludwig, completely refinished in brilliant, lasting lacquer colors, and thoroughly checked and inspected to make every way to insure the finest quality and lasting satisfaction. Each Tom-Tom bears the Ludwig trade mark—your assurance of the highest possible quality. Look for this trade mark when you buy.

No. 405 — Size 10" x 4"  .......................................................... $3.00
No. 408 — Size 12" x 6"  ......................................................... 6.00
No. 407 — Size 15" x 6½" ......................................................... 10.00

TOM-TOM HOLDERS

RIGID TOM-TOM HOLDER
Adjustable both for height and angle, this Tom-Tom holder is the strongest and finest on the market. Removable arm of the holder is screwed to the Tom-Tom by the metal plate as illustrated, and is permanent. Holder fastens securely to the bass drum hoop without marring. Strong, rigid, and a good investment from every standpoint.

No. 971 — Nickel ................................................................. $2.00
No. 971X — Chromium .......................................................... 3.00

STANDARD TOM-TOM HOLDER
This Tom-Tom Holder, too, can be adjusted both for height and angle. Clamps securely to the bass drum hoop without marring. Tom-Tom rests on the arm of the holder and is held in place by the Tom-Tom ring which hooks to the holder. Made in your choice of two finishes as listed below. A sturdy, ornamental, lightweight holder.

No. 467 — Nickel ................................................................. $2.90
No. 467K — Chromium .......................................................... 1.35
**LUDWIG MARACAS, CLAVES, TAMBOURINES, CASTANETS AND TUNED TIME BELLS**

**LUDWIG MARACAS**

LUDWIG Maracas have the tone of the genuine Cuban maracas, are many times more durable, and cost substantially less. A standard trap for rumba, Spanish rhythms, and tangoes. Belts are molded composition and weighted with a "shot" for the proper swinging and tone. Handles are made to fit the hand, and are lacquered a bright red. Correct weight and proper balance throughout. Durable can be removed and shot taken out, or added, to meet the individual's preference in tone, and weight. Length 10 inches. Sold only in pairs.

No. 852—Ludwig Maracas, per pair ..... $2.50

**ROSEWOOD CLAVES**

Genuine imported rosewood Clayes are essential to getting the true Spanish effect in playing the fascinating and popular Rumba and other rhythms of Spanish or Cuban origin. These are the best imported rosewood Clayes obtainable and combine the proper tone with real service qualities. Sold in pairs only.

No. 853—Clayes, per pair ..... $1.50

**Ludwig Tuned Time Bells for Elementary Music and Rhythm Bands**

Tuned Time Bells are not for professional drummer use. They are for use in schools to increase the scope of Rhythm Band teaching and training by adding melody to rhythm and making the reading of music and counting time a necessary part of the study. Each bell consists of an accurately tuned metal bar mounted on an individual resonator block. The bars are used individually, one bell to a pupil, who strikes his bell only when his particular note appears in the musical score. In this way, children are not only taught to read music and count time, but they are trained in distinguishing pitch, note value, and time precision.

Tuned Time Bells are supplied in complete sets of 8 bells with mallets and two instructors containing complete instructions as to the use of the bells and music score arranged for bells alone or with the Rhythm Band. The 8-bell set has a diatonic range from C to C. Twelve additional individual sets are available to increase the range to a chromatic scale from G above the staff. Write for descriptive literature.

No. 8401—Ludwig Tuned Time Bells, Set of 8 bells (diatonic scale from Middle C to C) in box with mallets and instructors. Each ..... $12.50

No. 8403—Individual bells from Middle C chronic to G above the staff. Stone bell or bells desired. Each ..... 1.50

No. 8404—Ludwig Tuned Time Bell and Rhythm Band Instructor, by Miss Clorinda M. Stein. (Included with 8-bell set). Sold separately. Each ..... 1.00

**PROFESSIONAL TAMBOURINES**

LUDWIG Tambourines may be depended on for quality of tone, service, workmanship and materials. Shells are of selected, solid stock finished in a natural walnut grain. The jingles are of our own make and of a weight to speak easily and yet give the desired volume and genuine tone. Genuine Californian heads.

No. 489—7" diameter with 6 pair jingles ..... $1.50
No. 483—8" diameter with 7 pair jingles ..... 2.00
No. 482—10" diameter with 8 pair jingles ..... 2.50
No. 484—10" diameter with a double row of 17 pair jingles ..... 3.50

**SCHOOL TAMBOURINE**

No. 4488—An excellent low priced Tambourine designed for Rhythm Band, and school work. Diameter is 9" and has 6 pairs jingles. Bright red lacquered rim. Californian head ..... $1.00

**LUDWIG CASTANETS**

Ludwig Castanets are made of special composition and moulded to the proper shape and form under several hundred tons pressure. It is to the material used, and this process, that they owe their peculiar Spanish tone so desired by orchestras and dancers.

Castanets are used in sets consisting of two pair,—a pair for each hand. Ludwig Castanets are paired with a colored, high quality, tasseled silk cord as illustrated at right.

No. 488—Ludwig Castanets, per pair as illustrated ..... 0.60

**CASTANETS ON HANDLE**

No. 489—Consist of a pair of Ludwig Castanets mounted on a hard rock Maple handle, abrinated and secured with strong gut cord. Have the characteristic castanet tone. Excellent for soft rhythms or fast beats. Ideal because they can be picked up in an instant and played with one hand. As illustrated and described, each ..... 1.00

**DOUBLE CASTANETS ON HANDLE**

No. 481—Consists of a set of genuine Ludwig Castanets mounted on a hard rock Maple handle abrinated and secured with strong gut cord. Used in the same manner as the No. 488 Castanets on handle but give the double effect because of the two pairs of castanets. As illustrated and described, each ..... 1.75
LUDWIG
Original Synco-Jazz Brushes

EVERY drummer knows how many uses to which Ludwig Synco-Jazz Brushes can be put for they have been a standard trap for more than ten years. Used for soft beats on the snare, and bass drums, cymbals and tom-toms, they are equally effective for after-beats, and for sand blocks and train imitations.

"FIXED" WIRE MODELS

Strong, durable, and correct in weight and design. Wires are finest quality, thin-gauge, rust-proof piano-steel wire secured fastened in a "fixed" position to your choice of either wood or aluminum handles.

No. 600—With Black lacquered wood handles and "fixed" wires, per pair ........................................... $0.80
No. 599—With aluminum handles and "fixed" wires, per pair ................................................................. 75

TELESCOPE HANDLE MODELS

These are the brushes originated and perfected by Ludwig. Wires are the best thin-gauge, rust-proof piano-steel wire obtainable securely fastened to a steel wire rod by which the wires are pulled, telescope fashion, into the handles when brushes are not in use.

No. 630—Aluminum handles and wire loop ends, per pair ................................................................. $0.80
No. 605—Nickel plated brass handles and rubber ball-ends, per pair ..................................................... 75

Ludwig Bass Drum Sticks

A good bass drum stick will improve the sound of the best bass drum made. The Ludwig Bass Drum Sticks illustrated and listed here are handmade of the finest materials available. Handles are straight-grained hickory, and balls are natural lamb's wool, or best grade Spanish felt.

No. 572—Double End Concert Model. Natural lamb's wool ball of a size and weight to bring out full resonant tone. Hickory handles. Each ........................................... $3.00
No. 577—Single End Model. Genuine Spanish felt ball for tremendous volume in large band work. Hickory handles. Each ................................................................. 2.50
No. 578—Double End Model. Genuine Spanish felt ball for tremendous volume in large band work. Hickory handles in natural finish. Each ......................................................... 2.00
No. 579—Single End Model. Spanish felt ball held by two metal retainers. Hickory handles finished in natural. Used for great volume. Each .............................. 1.75

HA-CHA WIRE BRUSHES

Ludwig Ha-Cha Wire Brushes are glorified models of the regular Ludwig Synco-Jazz Brushes. Each brush is made with 200 wires of the finest, rust-proof, thin-gauge piano wire which are cramped securely to a sturdy steel wire rod which serves to pull the wires into the telescope handle when the brushes are not in use. Equipped with rubber ball-ends. Perfectly balanced.

No. 601—Ludwig Ha-Cha Wire Brushes with Rubber Ball-Ends and Telescope Handles of Black and Gold Metalized Pyralin. Sold only in pairs. Per pair ........................................... $1.00

Ludwig Parade Model Bass Drum Sticks

The marching band and Drum Corps requires bass drum sticks other than the concert models shown in the list. Ludwig parade model bass drum sticks are carefully made of the finest available materials and are designed to bring out the best tone of the drum. Each model shown here is intended for a special purpose.

No. 553—Fine quality lamb's wool over a medium felt inner ball. Strong, straight-grained hickory handles with a leather sling that permits a free, easy swing that will not tire. Ideal for soft, resonant "booming" tones. Each .................. 3.50
No. 570—Finest quality solid felt ball with two metal retaining washers. Strong, straight-grained hickory handles with soft lamb's wool grip that prevents hands from blisters and leather sling for full, easy swing. Used for solid, decitative blows. Each........................................... 2.50

Scotch Bass Drums require special sticks shown on page 38.
LUDWIG HICKORY DRUM STICKS
45c Per Pair

LUDWIG Hickory Sticks are made from the finest second-growth hickory selected for its straight, even, perfect grain. Sticks are carefully finished to a smooth surface and a fine, high luster. These models are always uniform so your favorite model can be ordered and re-ordered with the assurance that it will be just the stick to which you have become accustomed. There are eleven models from which to choose—a model to suit your every need. All carry the Ludwig name for your protection.

Style “A”—Orchestra Models
Style “B”—Band Models
Style “S”—Street Models

Approximate Weights of Ludwig Stick Models
No. 588—1A sticks about .34 oz. pair
No. 588—2A sticks about .36 oz. pair
No. 584—3A sticks about .3 oz. pair
No. 591—5A sticks about .5 oz. pair
No. 593—6A sticks about .56 oz. pair
No. 584—7A sticks about .6 oz. pair
No. 588—8A sticks about .64 oz. pair
No. 580—28 sticks about .41 oz. pair
No. 594—58 sticks about .34 oz. pair
No. 587—18 sticks about .5 oz. pair
No. 590—28 sticks about .42 oz. pair

Ludwig Hickory Sticks (choice of models). Per pair .50
Blue End Hickory Sticks (choice of models). Per pair .75

New Rosewood Drum Sticks
(ILLUSTRATED AT LEFT)

No. 638—Ideal all-around adult Drum Corps Sticks of genuine Honduran Rosewood, which is heavier than hickory and more durable than most wood. 17” long, finely balanced, beautifully rubbered and highly finished, per pair .10

No. 639—Some are above, but a shorter, lighter model ideally suited to Junior Drum Corps, concert band and orchestra work. 15 3/4” long, per pair 1.00

LUDWIG BLUE END
Superior Quality Hickory Sticks
75c Per Pair

THE DELUXE STICK FOR BAND, ORCHESTRA AND DRUM CORPS WORK

These are flashy, good looking sticks that you need to give your playing little added touch that can be obtained in no other way—the Ludwig model hickory stick to which you have been accustomed “dressed up” with blue lacquered ends and beautifully finished in their natural hickory grain to a glossy, smooth, high luster, hand rubbed finish. Sticks that you will be doubly proud to own and to use anywhere where appearance counts.

These sticks are Extra Select, close-grained second growth, fine, straight white hickory. Every pair is carefully matched for uniform weight and appearance. They are stick to the grip, smooth to the touch and have a “feel” that will give you greater pleasure in your playing and increased confidence in your ability. Each stick is imprinted with the Ludwig name, and each pair is packed in its own Ludwig box—the finest sticks that money can buy anywhere!

THE ORIGINAL BLUE END STICKS
Model Numbers and Descriptions
No. 585BE—1ABE, Blue End sticks about .34 oz. pair
No. 588BE—2ABE, Blue End sticks about .36 oz. pair
No. 584BE—3ABE, Blue End sticks about .3 oz. pair
No. 581BE—5ABE, Blue End sticks about .5 oz. pair
No. 592BE—6ABE, Blue End sticks about .56 oz. pair
No. 593BE—7ABE, Blue End sticks about .6 oz. pair
No. 589BE—8ABE, Blue End sticks about .64 oz. pair
No. 590BE—28BE, Blue End sticks about .41 oz. pair
No. 591BE—18BE, Blue End sticks about .5 oz. pair
No. 592BE—28BE, Blue End sticks about .42 oz. pair
No. 593BE—28BE, Blue End sticks about .42 oz. pair
No. 590BE—28BE, Blue End sticks about .42 oz. pair

See Illustrations of these Models to the Left
LUDWIG SCOTCH BASS DRUMSTICKS

BASS drum sticks specially designed for use with Scotch Bass Drums are required to get the proper tone from these particular instruments. Used both for straight-on-the-beat playing and for the accented off-beat-and-around-the-back playing. Correctly designed, strong, durable, and properly weighted and balanced. Materials, workmanship and finish are warranted to be the finest. All models are supplied with leather thongs to facilitate twisting and to minimize danger of dropping the sticks on parade. Ludwig trade-marked.

No. 569—Three layers of felt securely held by two metal retaining washers to turn bored ball-and-hickory handles with leather thongs for easy twisting. Sturdy, handsomely finished and warranted to give satisfaction. Sold in pairs. 13¹⁄₄" long. Per pair...$4.00

No. 571—Lambs wool covered felt ball for sustained tones. Handles are finest flexible rattan with turned ball-ends and round thongs for finish. Correctly balanced and weighted. Sold in pairs. 14¹⁄₄" long. Per pair...5.00

LUDWIG TENOR DRUM STICKS

Those are the only proper sticks for use with Tenor Drums as employed in modern Drum Corps work. Correct in design, length and weight, they enable a Corps to get the finest possible tone from the Tenor Drums. Materials and workmanship are the finest. Pairs are carefully matched, and the sticks are handsomely finished. Each pair is warranted to give excellent service and genuine satisfaction. All Ludwig sticks are trade-marked with the Ludwig name.

No. 562—This is a widely popular short model stick with the large lams wool ball that gives a sustained Tenor Drum tone. Turned ball-and-hickory handles equipped with rawhide thongs to facilitate twisting. Correctly designed, properly proportioned and made of the finest materials available. Most practical twirling model. Sold in pairs. 12" long. Per pair...$4.00

No. 574H—Solid felt balls held by two metal retaining washers to turn bored ball-and-hickory handles. Leather thongs for easy twisting. Ideal for junior or adult corps work because of their extreme durability. Splendid for practice purposes, also. Sold in pairs. 11" long. Per pair...2.50

No. 574R—Made with a slightly tighter felt ball than the No. 574H. Flexible rattan handles with ball-ends and leather thongs for fine drum tones. Finest materials throughout and handsomely finished. Sold in pairs. 14" long. Per pair...2.50

Special Tenor Drum Sticks made to order per your specifications or samples at $4.00 and up per pair. Please send complete instructions or, better yet, samples when ordering to insure 100% satisfaction.

LUDWIG VIBRA-CELESTE, BELL AND XYLOPHONE MALLET

LUDWIG MALLETs offer a variety of styles to meet the requirements of the most discriminating artist. Only the highest quality materials are used, and workmanship is the finest. With the exception of the Orchestra Chimes Mallet, all handles are Rattan.

Metal Head
No. 8737—Nickel plated Bronze Head, per pair...$2.50

Raw Hide Head
No. 8728—2" Round, per pair...$1.75

Soft Rubber Head
No. 8722—2" Round, per pair...$1.00

Half Hard Rubber Head
No. 8710—2" Round, per pair...$0.60

LUDWIG SPECIALTY STICKS

These sticks are used where quick changes from drum to cymbal, temple block, wood block, and Tom-Toms don't permit a change of sticks. Ideal for soft rhythms, etc. Felt is finest quality. No. 656 are for Snare Cymbals. Shown on page 28.

No. 657—Two-In-One Sticks, per pair...$0.75

No. 658—Three-In-One Sticks, per pair...1.50

No. 659—Felt Tip Sticks, per pair...1.25

No. 660—Suede Sticks, per pair...5.00
DRUM CORPS HEADQUARTERS

DRUM CORPS HEADQUARTERS, as the Ludwig & Ludwig Drum Corps Department has come to be known, is not a vaunted self-anointed title, but is a name that has been conferred upon Ludwig & Ludwig in recognition of its unrelenting and unceasing efforts to foster the interest in, and the development of, Drum Corps and Drum Corps activities wherever that type of organization and activity is of benefit to its sponsoring body and its members. Even while the idea of the modern Drum Corps was hardly more than an idea, Ludwig & Ludwig, because it had already served the professional drummer for more than a decade, was concerned with matters of instrumentation, equipment and instruction. Military and service men and military drummers at that time on the L & L staff formed the nucleus for the new Drum Corps Service Department. Information, recommendations, advice, and even local instruction was given by these men. Equipment especially designed for Drum Corps use was designed and manufactured on the company's own premises, and impetus. Ludwig & Ludwig found itself the hub of a great, ever-widening, national activity... Time, effort, and money were expended in compiling and publishing Drum Corps organizing helps, instruction guides, manuals. Drum Corps music and the improvement of Drum Corps equipment. Ludwig & Ludwig even then was coming to be known as DRUM CORPS HEADQUARTERS!

Today, as during the last fifteen years, Ludwig & Ludwig is recognized as the undisputed leader in the Drum Corps field—a reputation which we cherish highly, and which we hope to keep by continuing to serve the Drum Corps field in the future as we have in the past—gladly and faithfully.

"HERE THEY COME" BOOKLET FREE!
The most interesting Drum Corps booklet ever published—sent free, postpaid, and without obligation on request! Write for it today.

Page Thirty-nine
**LUDWIG G and F BUGLES**

- Fan-Fare and Military Models

**LUDWIG G and D BUGLES**

- Soprano and Baro-Tone

---

**Professional Bugles**

This is the regulation model made to the highest professional standards. Popular with Drum Corps because it is easy blowing and finely balanced. Also easy to handle in the flourishes and in fancy drill work. Made by Ludwig & Ludwig of finest quality materials. Built in key of G with slide to F and is equipped with a water key. Over all length 17". Made in five finishes:

<table>
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<th>Finish</th>
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**Fan-Fare Bugles**

A popular bugle made to professional standards. Easy blowing, accurately toned and balanced. Length 26". Key of G with slide to F. 

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**Regulation Bugles**

Built in key of G with slide to F. Easy to blow, good tone. 19½ inches only.

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**BARYTONE "G" BUGLES**

**Adult Corps Model**

Baro-Tone adds a rich, full tone in the Drum Corps one octave lower than bugles described above. Music is played without transposing. Professional quality. Easy blowing with excellent tone. Key of G, slide to F. Length is 28½.

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**Junior Corps Model**

The No. 1239 Barytone Bugle is a 24" model intended primarily for juvenile corps. One octave lower than soprano bugles, played without transposing. Key of G with tuning slide, water key and finger hook. Does not have an F slide.

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**Master Model Soprano**

Key of G with piston change to D, and slide to F for Band. Equipped with two water keys, finger ring box, Length over all 27½" and weighs approximately 30 ounces.

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**Master Model Baro-Tone**

Pitched one octave lower than Soprano. The music is played on written music. Built in key of G with piston change to D and slide to F. Length 24½, Weight 47 ounces.

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<td>No. 1244</td>
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**FREE MUSIC**

This Ludwig Folio of Drum Corps Music is given free with all orders of Ludwig Master Model and Junior Master Model Bugles. Music written by W. R. Ludwig, Andrew V. Seeley and E. Prentice for "G" and "D" Ludwig Master and Junior Master Bugles.

<table>
<thead>
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**The Ultimate Drum Corps Bugle**

The Ludwig Master Model Bugles fill every need for playing modern corps music written in the keys of G and D, as played by leading prize-winning Corps today. A Special Folio of Music will be supplied free with orders for Ludwig Master Model Bugles and Drums for Corps.

Having the appearance of ordinary bugles to the audience, they are equipped with a horizontal piston valve that is concealed when the bugle is held, and operated with the thumb of the hand holding the instrument. The change from the key of G to D, and back to G again, is made instantly without removing the bugle from the lips, and without the use of the left hand.

Scientifically correct, and of highest quality, they are easily blowing, accurate, perfectly balanced, and of the highest quality. The most modern Drum Corps Bugle made.

**Master Model Soprano**

Key of G with piston change to D, and slide to F for Band. Equipped with two water keys, finger ring box. Length over all 21½" and weighs approximately 30 ounces.

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**Master Model Baro-Tone**

Pitched one octave lower than Soprano. The music is played on written music. Built in key of G with piston change to D and slide to F. Length 24½, Weight 47 ounces.

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<td>Silver, Gold Bell</td>
<td>$43.00</td>
</tr>
<tr>
<td>No. 1244</td>
<td>Bugle Bag for above</td>
<td>$1.50</td>
</tr>
</tbody>
</table>
LUDWIG BATONS

New Spinno Models

FOR MANY years Ludwig Spinno model batons have been the favorites of hundreds of famous twirling drum majors in high school, college, Legion and trum band and drum corps.

Now Ludwig presents new Spinno batons—Regular and Speed models—which are destined to far surpass their predecessors.

Those new models combine ideal length and weight with perfect balance and maximum strength and sturdiness. They are designed with new spiral center shaft, which aids in gripping, and blank ends which give the illusion of tremendous speed with just the average or normal spin. Tips are of half-round design, extremely strong, without any "curlywavy" to injure the hand.

Both models are made with undebatable aluminum alloy ball and strengthened shaft with genuine second-growth hickory dowel insert.

**Regular Spinno Model**

This new model has been shortened for easier twirling and better balance. Equipped with the famous Ludwig undebatable aluminum alloy ball plus a genuine second-growth hickory insert in the shaft. The most expensive and finest chromium plating gives it an all-over glitter and sparkle that makes it throw light rays like a sunburst. Spiral center shaft with blank ends and half-round tip. Truly the perfect baton for every purpose—parades, conventions, contests, high throws, under leg and arm passes and speed twirling. Balanced for twirling use only.

**No. 543**

Each $12.00

**No. 543—Right**
**No. 535—Left**

**HICKORY DOWEL**

Both the Regular and Speed Spinno models are now made with a sturdy dowel insert of genuine second-growth hickory. This assures maximum strength and sturdiness. Either of these models will stand hard usage and high throws without a sign of spring or dent.

**Speed Spinno Baton**

No. 535

Speed and rapid fire drill are yours with this new model Ludwig Speed Spinno Baton, so designed that it gives the appearance of twice the speed you are actually using! The length is 32”,” shaft is 3/4” diameter with center spiral and blank ends. Undebatable aluminum alloy ball. Half-round plug tip. Weight approximately 24 ounces. Equipped with dowel insert of genuine second-growth hickory. This sensational new model is perfectly balanced for maximum speed in twirling. Has finish, ideal weight, length and diameter for finger spins, throws, underarm and leg passes, and even two baton work. Undoubtedly the greatest value in twirling batons ever produced.

No. 535—Speed Spinno Baton, each $10.00

Batons Covers

No. 542—Mackintosh cloth. Specify model of baton intended for, each $3.00

Baton and Bugle Cords

No. 589—Yellow Silk Cord $1.50
No. 540—Legion Yellow and Blue Combination with Tassela Silk $1.50
DRUM SLINGS, COVERS, SNARES, KEYS
AND PRACTICE PADS

Web Snare Drum Slings
Made of stout, wide web that will not cut into the shoulders on the longest parad'as, and strongly sewn. Greatly improved and studied swivel snap and hook will not straighten out. Easier to attach to, and detach from, the drum too. Sling fits snugly to the body. Choice of khaki or white web.
No. 720—Web Snare Drum Sling, Specify color...$1.20

Web Bass Drum Sling
Made of finest quality stout, wide webbing. Crosses of the back and brace to the drum shell carrying ring and to two rodes to prevent drum from tilting. Sling is strongly sewn and equipped with sturdy hardware which is heavily nickel plated. Choice of khaki or white.
No. 721—Web Bass Drum Sling, Specify color...$1.50

Easy-Carry Bass Drum Sling
The ideal bass drum sling because it distributes the weight of the drum equally on the back and shoulders. Made of heavy, wide webbing, strongly sewn and equipped with nickel plated fittings. Fully adjustable. Choice of khaki or white. Specify color.
No. 741—Easy Carry Bass Drum Sling $2.25

Sam Browne Belt Hook
Belt hook for carrying snare or tenor drum from a Sam Browne belt. Swivel type. Sturdily made and heavily nickel plated.
No. 698—Sam Browne Belt Hook $0.75

Detachable Drum Leg Reet
More thoroughly adjustable than any other leg rest on the market. Can be attached to or removed from the drum, easily, quickly, and without the use of tools. Fits any metal parad'as or tenor drum, and will not mar the shell finish. Propriety reinforced.
No. 246—in Nickel $2.50
No. 246K—Same, but in Chrome 3.50

Weather Defy Covers
No. 344—Weather Defy Covers protect the drum in wet weather. Made of thin rubberized material that covers better head and shell. Open at bottom. Turned back where sling is attached to drum when not in use. On or off in a moment. Will save its coat in heads alone. Specify drum shell size when ordering. Each $3.00

All-Metal Snappi-Snares
Improves the tone and response of the drum. Each snares is separate and all lie flat against the head. Will not cut or injure the head. Patented spring built attachment pushes snares away from head when drum is muffled with three-off strainer. Can be used on any size drum. 12 snares to the set. Specify size when ordering.
No. 703—For 14” diameter drum, set 2.00
No. 704—For 16” diameter drum, set 2.00
No. 705—For 18” diameter drum, set 2.00

Gut Snares
Highest quality gut, hard and smooth. 12 snares to a set. Each set mounted on a composition bolt.
No. 701—For Orchestra, set of 12 $1.80
No. 707—For Band, set of 12 2.00

Silk-Wire Snares
Pure silk core carefully wound with non-rusting steel wire. 12 snares to a set.
No. 702—For Orchestra and Band, set $1.00
No. 702 1/2 For Drum Corps 1.00

Silent Practice Pads
No. 755—Rubber Pad for silent practice. Ideal in every way for teacher or pupil. Set of the right angle and will not creep or wobble. $2.50
No. 750—A round practice pad with a gum rubber center giving proper rebound to sticks but eliminating off noise. Hardwood base. Jutted to proper playing angle $1.00

Drum Keys
Standard steel key for all key tension snare and bass drums. Nickel plated.
No. 754—Ludwig Drum Key, each $0.20
Super-Ludwig key with folding screw driver for adjusting individual snares or Super-Ludwig drums.
No. 753—Super-Ludwig Key, Nickel, each $0.35

Music Holders
No. 743—This holder is inserted and bolted under uniform coat. Music holder slides into breastplate tubing and is held securely with a wingnut screw. Ideal for snare drummers and piccolo players. Nickel plated.
LUDWIG WHISTLES, TRAPS, SOUND EFFECTS AND IMITATIONS

Locomotive and Bell Imitation
A fine locomotive and bell, police gong, and fire bell imitation. Realistic and easy to use. Strong, sturdy, and reliable, too. A very handy prop effect for radio and vaudeville use.

No. 528 Railroad imitation produced by brushing heavy wires in box with lever. Spring-equipped box with lever only.$6.00
No. 531—Bell or gong effect. 9" round heavy metal bell plate with striker 2.50
No. 529—Railroad and Bell imitation combining the above two items, Nos. 528 and 531. Complete, as described above. $8.50

3-Tone Boat and Train Whistle
The finest 3-tone Boat and Train whistle made. Will not overflow, and responds easily to the breath. All metal, sturdy, reliable and true-toned. Measures 7 1/2" x 4 1/2". Nickel plated and serviceable.

No. 515 3-Tone Metal Whistle $3.50

3-Tone Wood Whistle
Used for the same effects as the 3-toned metal whistle, equally as true-toned, and preferred by some because it is wood. Has the desired full, rich, sustained tone. Length is 16" over all.

No. 521—3-Tone Wood Whistle $3.60

Small 3-Tone Whistle
A nickel plated, compact, excellent imitation of small boat, launch, interurban, and motorcycle whistles. A very effective, useful, inexpensive, and durable little effect. Only 5 1/4" long.

No. 522—Small 3-Tone Whistle $1.00

Ludwig Song Whistle
Has a mellow flute-like tone that is pleasing to the ear, and a fine tremolo effect is easily obtained by vibrating the plunger, or slides. Low notes are gotten with the plunger out; high notes when the plunger is in. Whistle is all metal, heavily nickel plated, and very serviceable.

No. 973—Ludwig Song Whistle $1.50

Drum Major's Whistle
No. 524—Drum Major's Whistle used in Drum Corps and Bands to denote commands. Shriek, strong, and reliable. Molded Composition, with ring for neck cord $0.35
No. 525—Of metal, and mounted on Wrist Strap $1.25

Sand Blocks
Useful for any number of good rhythm effects and a standard trap in the layout of every dance, radio and theatre drummer.
No. 752—Sand Blocks, per pair $0.50

Wood Ratchet
Ratchet has four tongues which strike alternately, producing a sharp, tinny effect. Made of rock maple and contained in a pressed steel casing. Clamps securely to bass drum hoop without marring.
No. 475—Wood Ratchet $2.50

Sleigh Bells
Eleven bells riveted on a stout web strap. Bells are heavily nickeled.
No. 490—Sleigh Bells $2.00

Cyclone Whistles
The megaphone bell increases the volume of this whistle. Perfect mechanism, Loud blasts for cyclone, police and fire sirens; soft breath for gentle breezes.
No. 549—Megaphone Cyclone Whistle in Nickel $2.00

Regular Cyclone Whistle with identical sound mechanism as above but without megaphone bell.
No. 513—Regular Cyclone Whistle in Nickel $1.25

Bird Whistle
A sturdy, reliable bird imitation with fine tones. Used with water, it is leakproof and rustproof.
No. 511—Bird Imitation, Nickel $1.75
No. 4512—Economy Bird Whistle $0.50

Cuckoo Call
An excellent plunger-type, wood whistle that can be tuned to key. Easy to master.
No. 5285—Cuckoo Call $2.25
FIBRE DRUM CASES AND MACKINTOSH DRUM COVERS

Double Compartment Case
This case will pack any size snare drum from 3"x14" to 6½"x14", including Super-Ludwig models with the extended snares. It is made with two compartments for traps including the Ludwig Super-Speed model pedal and the High-Hat rock pedal. Made of reinforced three-ply laminated board, flannel lined, with special lock and clasps. Fully black Kerato covered with metal corner reinforcements. All metal fittings heavily nickel plated.
When 6½" drum is in case there is no room for cymbals.
No. 277½—Case as illustrated and described $11.00

Suitcase Type With Tray
A strong case with a 2½" tray for cymbals and small traps, or dress suit. Made of vulcanized fibre over a strong wood frame, and fitted with special lock, clasps and metal corner reinforcements. Sturdy and serviceable.
No. 3026—For 5" by 14" or 15" drums $16.00
No. 3045—For 6½" by 14" or 15" drums 18.00

Carry-All Telescope Cases
A popular type that holds a drum and a lot of traps. Made of strong fibre and equipped with quality hardware and leather straps.
No. 2781—For 14" drum $9.00
No. 2791—For 15" drum 9.00
No. 2801—For 16" drum 9.00

Fibre Bass Drum Cases
Round telescope cases made of strong fibre adjustable for drums from 12" to 18" deep. Heavily reinforced for real service. Illustrated at right.
No. 2951—For 18" diameter bass drum $19.00
No. 2971—For 20" diameter bass drum 22.00
No. 2981—For 22" diameter bass drum 23.50
No. 2991—For 25" diameter bass drum 26.00
No. 3001—For 24" diameter bass drum 27.00

Fibre Parade and Tenor Drum Case
A strong fibre telescope case that will give the drum ample protection. Not illustrated.
No. 2911—State drum shell diameter $5.00

Fibre Disc Drum Head Protectors
Protects the heads when drum is not being used.
No. 254—For 14" drum $0.75
No. 255—For 15" drum .75
No. 257—For 20" tympani 1.50
No. 258—For 26" tympani 2.00
Other sizes at prices in proportion.

Round Fibre Orchestra Drum Cases
A round fibre snare drum case that will roll. Made of strong vulcanized fibre with genuine leather strap and quality handle.
No. 2881—For 14" snare drum $6.00
No. 2891—For 15" snare drum 8.00
No. 2901—For 16" snare drum 8.00

*Snap-Button Mackintosh Covers
Protects drums from dirt, dust and dampness. Made of extra heavy flannel-lined waterproof mackintosh cloth, strongly sewed, and fastened with Ludwig Snap-buttons.

For Bass Drums
No. 805—8x24" $5.50
No. 804—8x26" 6.00
No. 803—9x26" 6.00
No. 802—10x26" 7.50
No. 801—10x28" 9.00

For Snare Drums
No. 803—5½x14" Ludwig Super Drums $23.75
No. 806—6½x14" Ludwig Super Drums 3.75
No. 806—6½x14" Ludwig Super Drums 3.75
No. 803—5½x14" Ludwig Super Drums 3.75
No. 806—6½x14" Ludwig Super Drums 3.75
No. 806—6½x14" Ludwig Super Drums 3.75

*Pull Slide Mackintosh Covers
Made like the covers above but have a quick-open and-about pull slide fastener. They open and shut in a jiffy. A very convenient cover.

For Snare Drums
No. 1853—6x14" $3.75
No. 1853—6x14" $3.75
No. 1853—6x14" $3.75
No. 1853—6x14" $3.75
No. 1853—6x14" $3.75
No. 1853—6x14" $3.75

For Drum Corps Drums
No. 1839—12x15" $5.00
No. 1841—12x16" 5.00
No. 1844—12x18" 5.50
No. 1844—12x18" 5.50
No. 1844—12x18" 5.50

For Bass Drums
No. 1809—12x24" $8.00
No. 1811—12x26" $8.50
No. 1815—14x28" $9.25

For Scotch Style Bass Drums
No. 1882—16x20" Scotch Bass Drum $9.25
No. 1817—12x20" Scotch Bass Drum 9.50

*Order Covers by Actual Size of Drum Shell only. Do not use over-all measurements of your drum shell if you want your Mackintosh Cover to fit.
# LUDWIG STANDS AND PEDAL AND DRUM REPAIR PARTS

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<tr>
<th>Ludwig Pedal Parts</th>
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<td>C-4S</td>
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<td>C-4T</td>
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<td>P-45T</td>
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<td>P-46</td>
<td>0.20</td>
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<tr>
<td>P-46T</td>
<td>0.20</td>
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</table>

**Ludwig Drum Rods**

Ludwig Drum Rods are of steel heavily nickelized.

- **No. 373** — For 3" shell
- **No. 374** — For 4" shell
- **No. 375** — For 5" shell
- **No. 376** — For 6" shell
- **No. 377** — For 7" shell
- **No. 361** — For 10" shell
- **No. 362** — For 12" shell
- **No. 363** — For 14" shell
- **No. 364** — For 16" shell
- **No. 398** — Center Support Stud for Ludwig drum only. Nickel, each

Specify whether rods and center support studs are for Snare, Bass, or Parade Drum.

**Snare Drum Parts**

For Silver Anniversary Models:

- **MD-3** — Collar Screw for 6½" drum
- **MD-6A** — Collar Screw for 8½" drum
- **MD-7** — Collar Screw Washer
- **MD-4** — Tension Cone. Specify whether for wood or metal shell drum. Nickel

For Other Model Drums:

- **No. 850** — Lug for 4" drum
- **No. 851** — Lug for 5" drum
- **No. 852** — Lug for 6½" drum
- **MD-6A** — Collar Screw, Fits 4" 5" and 6½" drums
- **MD-7** — Collar Screw Washer
- **MD-2** — Drum Hook

**Repair Service**

Our Repair Department is equipped to serve you as satisfactorily and on a speedier basis than the individual job will warrant. Instruments must be sent prepaid with full instructions as to what is wanted. Prices will be quoted upon application.

In ordering repair parts, give the catalog number, and full description: i.e., name, materials, size, finish, etc. A drawing of the part may help to avoid delays made necessary by lengthy correspondences.

---

**Professional Stand**

The Ludwig Professional Snare Drum Stand is the most popular of all drum stands. It is strong, will not shake or wobble, is fully adjustable, and will hold any size and model snare drum. All parts are carefully machined and fitted, and stand folds conveniently in a small space.

- **No. 331** — Professional Stand, Nickel $4.00
- **No. 331K** — Same, in Chromium $6.00

**Marvel Stand**

The Marvel Snare Drum Stand has deep, rubber-cushioned arms that protect the plating on the hoops of the drum. Adjustable for 14", 15" or 16" diameter drums, for height, and for playing angle. Strong, solid, rigid, and durable. Folds compactly. Rubber feet on stand prevent slipping.

- **No. 336** — Marvel Snare Drum Stand $8.00

**Heavy Model Stand**

Has an extra heavy base, and is exceptionally strong, rigid and reliable. Adjustable for playing in a sitting or standing position.

- **No. 332** — Heavy Model Stand $6.00

**Junior Stand**

A slightly smaller, lighter weight stand than any of those above, but known for its strength and rigidity at the same time. Adjustable for height and playing angles, and takes little room when folded. For 13" and 14" drums.

- **No. 334** — Junior Stand, Nickel $2.50

**Juvenile Stand**

The lightest and smallest drum stand in the line but strong, durable, and well made. For small juvenile orchestra snare drums.

- **No. 330** — Juvenile Stand (not Illustrated), Nickel only $2.00

**Metal Bass Drum Stand**

An exceptionally serviceable all-metal folding stand that is unusually strong and durable. Adjustable to height and base drum shell size, and will hold the drum without wobbling.

- **No. 353** — Bass Drum Stand, Nickel $8.00
- **No. 353K** — Same, in Chromium $9.00

---
LUDWIG GUARANTEED QUALITY CALFSKIN DRUM HEADS

Drum Heads Are Important

The heads of a drum play an important part in the tone quality, volume and playing ease of a drum, and the drummer who chooses wisely in the all-important selection of heads is amply rewarded for his care, and the few cents additional that quality heads cost.

The Ludwig Quality Guarantee shown to the right is attached to every head that leaves the Ludwig factory. It is your assurance that the head is of the finest quality obtainable, that it is made by skilled workmen in the world's largest and most modern drum head plant by the most scientific methods known.

All Ludwig Drum Heads are carefully examined for defects before they are shipped. When you buy a Ludwig head examine it carefully, and if you are not satisfied with it in every way return it, stating your objections, and if we are unable to select another head that is satisfactory we will refund your money.

Heads cannot be exchanged, however, after they have been wet or used.

Instructions for tacking drum heads are included on the reverse side of the Ludwig Quality Guarantee sticker for those who tack their drum heads.

WM. F. LUDWIG SELECTED HEADS

WM. F. Ludwig SELECTED heads are tight-fibred, smooth, white and hard. They bring out the best tone of the drum and give the sticks a greater rebound making any drum an easier playing instrument.

Snare Drum—Batter Side Only

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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<tbody>
<tr>
<td>No. 3909-17&quot; for 13&quot; drum</td>
<td>$2.75</td>
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<td>No. 3910-18&quot; for 14&quot; drum</td>
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Bass Drum

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<td>No. 3908-24&quot; for 23&quot; drum</td>
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<tr>
<td>No. 3913-29&quot; for 28&quot; drum</td>
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</tbody>
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Made In World's Finest Drum Head Plant

Ludwig operates the world's largest and finest drum and banjo head plant and is the leading maker of drum and banjo heads. Because we are the largest buyers of head skins we are privileged to select our calfskins from the finest collars of the Chicago Stockyards—clean, perfect, flawless skins.

These skins are then processed by skilled workmen under the latest and most approved formula, worked by hand and the aid of the most modern machines, and finally inspected for possible flaws in materials and workmanship before they are ready for stock—the finest quality drum and banjo heads obtainable on the market at any price.

Look For The Ludwig Trademark

Every genuine "WM. F. Ludwig Selected," "Ludwig Whitecalf," "L & L Crown Head" and "Ludwig Valour" drum, tympanum, and banjo head carries its respective name indelibly stamped in a prominent place. This trademark ensures and safeguards you against deception.

WHITECalf HEADS

These are smooth, white, hard heads that play well and sound well. Cured without the use of chemicals and therefore unusually durable.

Snare Drum—Batter Side Only

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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Bass Drum

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<tbody>
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<tr>
<td>No. 613-30&quot; for 36&quot; drum</td>
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Owing to the fluctuation in the cost of raw skins, we cannot guarantee head prices.

Prices are therefore subject to change without notice.
LUDWIG CALFSKIN DRUM AND BANJO HEADS

CROWN-HEAD (transparent) Heads

These are 100% transparent heads made from "shrink" calfskins. Clean, flawless and finished in their natural state, they are unusually durable, resilient and sensitive. There is no other transparent head made than CROWN HEAD.

Snare Drum—Snare Side Only

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<thead>
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<th>Size</th>
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<tbody>
<tr>
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Snare Drum—Batter Side Only

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<th>Price</th>
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<tbody>
<tr>
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<tr>
<td>No. 234—22&quot; for 18&quot; drum</td>
<td>$2.75</td>
</tr>
</tbody>
</table>

"LUDWIG VELLOUR" Tympani Heads

Uniform in texture, smooth, lightweight and damp resisting, Ludwig Vellour tympani heads will give greater satisfaction and fine tympani tone than any competing head on the market under any and all conditions. Quality heads are highly essential to obtaining the desired true, fine tympani tone demanded by the professional player.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 620—28&quot; for 33&quot; tympani</td>
<td>$6.50</td>
</tr>
<tr>
<td>No. 621—30&quot; for 34&quot; tympani</td>
<td>$7.10</td>
</tr>
<tr>
<td>No. 622—32&quot; for 35&quot; tympani</td>
<td>$7.60</td>
</tr>
<tr>
<td>No. 623—33&quot; for 36&quot; tympani</td>
<td>$8.15</td>
</tr>
<tr>
<td>No. 624—34&quot; for 37&quot; tympani</td>
<td>$8.50</td>
</tr>
<tr>
<td>No. 625—36&quot; for 39&quot; tympani</td>
<td>$9.50</td>
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</tbody>
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COMMERCIAL L & L TRANSPARENT HEADS

Snare Side

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>No. 2918—17&quot; for 13&quot; drum</td>
<td>$1.75</td>
</tr>
<tr>
<td>No. 2920—18&quot; for 14&quot; drum</td>
<td>$1.90</td>
</tr>
<tr>
<td>No. 2921—19&quot; for 15&quot; drum</td>
<td>$2.05</td>
</tr>
<tr>
<td>No. 2922—20&quot; for 16&quot; drum</td>
<td>$2.20</td>
</tr>
<tr>
<td>No. 2923—21&quot; for 17&quot; drum</td>
<td>$2.35</td>
</tr>
<tr>
<td>No. 2924—22&quot; for 18&quot; drum</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

Batter Side

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2899—17&quot; for 13&quot; drum</td>
<td>$1.75</td>
</tr>
<tr>
<td>No. 2900—18&quot; for 14&quot; drum</td>
<td>$1.90</td>
</tr>
<tr>
<td>No. 2901—19&quot; for 15&quot; drum</td>
<td>$2.05</td>
</tr>
<tr>
<td>No. 2902—20&quot; for 16&quot; drum</td>
<td>$2.20</td>
</tr>
<tr>
<td>No. 2903—21&quot; for 17&quot; drum</td>
<td>$2.35</td>
</tr>
<tr>
<td>No. 2904—22&quot; for 18&quot; drum</td>
<td>$2.50</td>
</tr>
</tbody>
</table>

Flesh Hoop and Head Tacking Prices

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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<tbody>
<tr>
<td>No. 544—Flesh Hoop for Snare Drum</td>
<td>$0.40</td>
</tr>
<tr>
<td>No. 550—Flesh Hoop for Snare Drum (size whether smaller or Snare Side)</td>
<td>$0.30</td>
</tr>
<tr>
<td>No. 650—Tacking Snare Drum Head on wood flesh hoop</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

SPECIAL COMBINATION OFFER

Special Ludwig factory equipment enables us to tuck heads more evenly and firmly. This ensures longer wear; heads do not pull down so easily, and tone is greatly improved. Combination offer of Ludwig factory tacked heads on Ludwig wood flesh hoops (for snare drum).

SPECIAL AT ONLY: $0.60

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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<tbody>
<tr>
<td>No. 641—Flesh Hoop for Bass Drum</td>
<td>$0.80</td>
</tr>
<tr>
<td>No. 652—Flesh Hoop for Tympani</td>
<td>$1.00</td>
</tr>
<tr>
<td>No. 655—Tacking Bass Drum Head</td>
<td>$1.25</td>
</tr>
<tr>
<td>No. 657—Tacking Tympani Head</td>
<td>$1.25</td>
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</tbody>
</table>

Drum Head Retainer

Holds two extra drum heads already tucked on hoops ready for instant use. Prevents the flesh hoops from warping and keeps the heads as perfectly as if they were on your drum. State shell diameter when ordering.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>No. 666—Retainer (does not include heads or flesh hoops)</td>
<td>$2.00</td>
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</table>

Wm. F. Ludwig SELECTED

Mounted Banjo Heads

These banjo heads are made from the finest calfskin available for this use, and are especially constructed to obtain the clean, hard, white, smooth finish. Already tucked on hoops ready to be used on the banjo. Each head is wrapped in muslin and packed in an individual box.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 5898—Banjo Head Tucked on Hoop—individual wrapping and box</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

Wm. F. Ludwig SELECTED

Unmounted Banjo Heads

These are the same heads as those described above but are unmounted. Insist on Wm. F. Ludwig SELECTED banjo heads.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 3894—12&quot; for 9&quot; banjo</td>
<td>$2.40</td>
</tr>
<tr>
<td>No. 3895—13&quot; for 10&quot; banjo</td>
<td>$2.70</td>
</tr>
<tr>
<td>No. 3896—14&quot; for 11&quot; banjo</td>
<td>$3.00</td>
</tr>
</tbody>
</table>

WHITECALF Unmounted Banjo Heads

These are fine quality, smooth, white, hard banjo heads that will give long service and satisfaction.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>No. 894—12&quot; for 9&quot; banjo</td>
<td>$1.25</td>
</tr>
<tr>
<td>No. 895—13&quot; for 10&quot; banjo</td>
<td>$1.50</td>
</tr>
<tr>
<td>No. 896—14&quot; for 11&quot; banjo</td>
<td>$1.75</td>
</tr>
</tbody>
</table>

Owing to the fluctuation in the cost of raw skins, we cannot guarantee head prices. Prices are therefore subject to change without notice.
LUDWIG LIBRARY OF VALUABLE BOOKS AND INSTRUCTORS

The Moeller Book
The famous instructor originally known as the Moeller instructor in the Art of Snare Drumming became in tribute to its author, Sanford A. Moeller, one of the finest exponents of the rudiments. This is undoubtedly the most thorough treatise ever written on the snare drum, and the instruction is concise in every detail. This text also contains the only explanation, to our knowledge, of the upstroke and downstroke, when and why it is used. Not only are the various breaks explained, but their uses can readily be read the reader. Regardless of your ability, this instructor will prove a helpful study.

No. 697—The Moeller Book ........................................ $2.00

30 Cymbal Breaks—20 Drum Beats
Revised to include the highly popular thumb rhythms as well as the 30 cymbal breaks and 20 tricky drum breaks, this text will enable the drum producer to give his playing new sparkle and variety.

No. 692—1938 Revised Edition ................................. $1.00

Ludwig Drum Corps Guide
An advanced instructor including the following: Organization and maintenance of a drum corps, Parade Positions and Formations; Tenor and Scotch drum instruction; Conception, Concept, and Street Night Tips; Field and Street Drills; Drum and Music scores including eight by famous drill masters; Street Drum Beats: 32 pages of drum corps music with "D" beats, and 18 pages including "D" music. Valuable to every Drum Corps man. (Revised 1932 Edition).

No. 688—84 pages, 7¼" x 10¼" .......................... $3.50

Ludwig Tympani Instructor
The Ludwig Tympani Instructor covers instruction for all types of tympani. It is widely used both as a self-instructor and as a teacher's text.

No. 667—72 pages, 9" x 12" ................................. $2.50

How to Twirl A Baton
Reveals the secrets of real baton twirling for the first time, and is so written and illustrated that anyone can now master this art with a bit of diligent study and application. Contains seventeen photos and twenty-eight pen illustrations.

No. 689—40 pages, 5¼" x 8¼" ................................ $1.00

Ludwig Drum and Bugle Manual
An elementary Drum and Bugle Corps instructor containing drum and bugle instruction, exercises, melodies, and marches. Music for the "G" and "D" bugles is included. Drills and movements are charted, illustrated, and described. Used as a preliminary to the Ludwig Drum Corps Guide.

No. 690—64 pages, 7¼" x 10¼" .......................... $1.00

The Drum Major's Manual
Used as a standard instructor and guide by the U.S. Army School of Music, Drum Corps, Bands, etc., and explains the language of the Baton. Positions, Formations, and Band Etiquette. A book of 33 fine drum corps music numbers scored for all drum corps instruments. Contains marches and overtures arranged for both "G" and modern "G-D" piston bugles.

No. 691—63 pages, 5¼" x 8¼" .......................... $1.00

Blue and Gold Music Folio
A book of 13 fine drum corps music numbers scored for all drum corps instruments. Contains marches and overtures arranged for both "G" and modern "G-D" piston bugles.

No. 694—66 pages, 7¼" x 10¼" .......................... $1.00

OTHER HELPFUL LUDWIG BOOKS
No. 688—Ludwig Video-Instruction Instructor (see page 81) .......................... $2.50
No. 4401—Ludwig Percussive Rhythm Band Instructor .......................... 1.00
No. 4404—Ludwig Toned Tap Ball and Rhythm Band Instructor .................. 1.00

Valuable information on Toned Tone Bells, and school rhythm bands is contained in the book, How to Conduct Rhythm Bands for Children, which will be sent to teachers or music supervisors FREE upon request.
Index

TO THE CONTENTS

<table>
<thead>
<tr>
<th>Accessories, Miscellaneous</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aero-Kraft Shell Construction</td>
<td>20</td>
</tr>
<tr>
<td>All-in-One Trap</td>
<td>21</td>
</tr>
<tr>
<td>Animal Imitations</td>
<td>22</td>
</tr>
<tr>
<td>Baby Gey</td>
<td>23</td>
</tr>
<tr>
<td>Bass Drums</td>
<td>24</td>
</tr>
<tr>
<td>Bass Drums, Drum Corps</td>
<td>25</td>
</tr>
<tr>
<td>Bass Drums, Giant, and Carriages</td>
<td>26</td>
</tr>
<tr>
<td>Bass Drum Lights</td>
<td>27</td>
</tr>
<tr>
<td>Bass Drum Muffler</td>
<td>28</td>
</tr>
<tr>
<td>Bass Drum Stand</td>
<td>29</td>
</tr>
<tr>
<td>Bass Drum Sticks</td>
<td>30</td>
</tr>
<tr>
<td>Batons and Baton Covers</td>
<td>31</td>
</tr>
<tr>
<td>Bells</td>
<td>32</td>
</tr>
<tr>
<td>Bells, Tuned Time</td>
<td>33</td>
</tr>
<tr>
<td>Bell Plates</td>
<td>34</td>
</tr>
<tr>
<td>Bell Stands</td>
<td>35</td>
</tr>
<tr>
<td>Bell Straps</td>
<td>36</td>
</tr>
<tr>
<td>Bird Whistles</td>
<td>37</td>
</tr>
<tr>
<td>Bob White Imitation (All-in-One Trap)</td>
<td>38</td>
</tr>
<tr>
<td>Bugle and Bugle Bags</td>
<td>39</td>
</tr>
<tr>
<td>Bugle Cord</td>
<td>40</td>
</tr>
<tr>
<td>Bugle Lyra</td>
<td>41</td>
</tr>
<tr>
<td>Cases, Drums Fibre</td>
<td>42</td>
</tr>
<tr>
<td>Castanets</td>
<td>43</td>
</tr>
<tr>
<td>Chimes</td>
<td>44</td>
</tr>
<tr>
<td>Claves</td>
<td>45</td>
</tr>
<tr>
<td>Cornets</td>
<td>46</td>
</tr>
<tr>
<td>Cymbals</td>
<td>47</td>
</tr>
<tr>
<td>Cymbals Holders, Pedal</td>
<td>48</td>
</tr>
<tr>
<td>Cymbals Mallets</td>
<td>49</td>
</tr>
<tr>
<td>Cymbals, Multi-Color Finish</td>
<td>50</td>
</tr>
<tr>
<td>Cymbal Holders</td>
<td>51</td>
</tr>
<tr>
<td>Cymbal Holders, Pedal</td>
<td>52</td>
</tr>
<tr>
<td>Cymbal Pedals</td>
<td>53</td>
</tr>
<tr>
<td>Cymbal Straps and Folds</td>
<td>54</td>
</tr>
<tr>
<td>Cymbal Suspender</td>
<td>55</td>
</tr>
<tr>
<td>Drums, Snares</td>
<td>56</td>
</tr>
<tr>
<td>Drums, Bass</td>
<td>57</td>
</tr>
<tr>
<td>Drums, Deluxe Snare and Bass</td>
<td>58</td>
</tr>
</tbody>
</table>

| Drum Outfits | 23 to 25 |
| Drum Corps Snare Drums | 17 to 18 |
| Drum Corps Bass Drums | 19 to 20 |
| Drum Corps Tenor Drums | 21 to 22 |
| Drum Corps Accessories | 23 to 24 |
| Drum Corps Instruments | 25 to 26 |
| Drum Major's Baton | 27 to 28 |
| Drum Bass, Fibre | 29 to 30 |
| Drum Covers, Mackintosh | 31 to 32 |
| Drum Heads | 33 to 34 |
| Drum Head Retainers | 35 to 36 |
| Drum Head Tucking and Fleece Hoops | 37 to 38 |
| Drum Head Covers | 39 to 40 |
| Hens, Nails, Bass, Tympani and Banjo | 41 to 42 |
| Head Tucking and Fleece Hoops | 43 to 44 |
| Head Retainers | 45 to 46 |
| Hens, Nails, Bass, Tympani and Banjo | 47 to 48 |
| Head Tucking and Fleece Hoops | 49 to 50 |
| Head Retainers | 51 to 52 |
| Heads, Nails, Bass, Tympani and Banjo | 53 to 54 |
| Head Tucking and Fleece Hoops | 55 to 56 |
| Head Retainers | 57 to 58 |
| Heads, Nails, Bass, Tympani and Banjo | 59 to 60 |
| Head Tucking and Fleece Hoops | 61 to 62 |
| Head Retainers | 63 to 64 |

Page | Rooster Crow | 43 |
| Sand Blocks | 44 |
| Scotch Bass Drums | 45 |
| Scotch Bass Drum Sticks | 46 |
| Silk Wire Snare | 47 |
| Snap Sticks | 48 |
| Slings, Bells | 49 |
| Slings, Snare and Bass Drum | 50 |
| Snare, Super Ludwig | 51 |
| Snare, Snappy-Snare, Gut, and Silk-Wire | 52 |
| Snare Imitation | 53 |
| Song Whistle | 54 |
| Spurs, Bass Drum | 55 |
| Spurs, Disappearing | 56 |
| Stands, Bell | 57 |
| Stands, Drum | 58 |
| Stands, Tom-Tom | 59 |
| Stands, Tympani | 60 |
| Steamboat Whistles | 61 |
| Sticks, Blue End | 62 |
| Sticks, All Kinds | 63 |
| Syncro-Jazz Brushes | 64 |
| Tambours | 65 |
| Temple Blocks and Holders | 66 |
| Tenor Drums | 67 |
| Tenor Drum Sticks | 68 |
| Tom-Toms, Chinese, and Holders | 69 |
| Tom-Toms, Tunable and Stands | 70 |
| Trap Board, Cones, Rail and Tables | 71 |
| Triangles and Holders | 72 |
| Trunks, Tympani | 73 |
| Tuned Time Bells | 74 |
| Tuning Bars | 75 |
| Tuning Dials | 76 |
| Tympani | 77 and 78 |
| Tympani Accessories | 79 |
| Tympani Covers | 80 |
| Tympani Drummers | 81 |
| Tympani Drumsticks | 82 |
| Tympani Tuning Pitch Pipe | 83 |
| Tympani Wheels | 84 |
| Tunable Tom-Toms and Stands | 85 |
| Two-Tone Wood Block | 86 |
| Vibra-Celeste | 87 |
| Vibra-Celeste, Portable Model | 88 |
| Vibra-Celeste Instructer | 89 |
| Vibra-Celeste Mallets | 90 |
| Whistle, Drum Major's | 91 |
| Whistles, Cyclone and Bird | 92 |
| Whistles, Song | 93 |
| Whistles, 3-Tone and Train | 94 |
| Weather Duty Covers, Drum Corps | 95 |
| Wood Blocks, Two-Tone, Chinese and Piccolo | 96 |
| Xylophones | 97 to 98 |
| Xylophone Mallets | 99 |

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