ORMOND DOWNES
Stellar percussion artist with Ted Weems and his celebrated dance and radio orchestra. Considered "tops" among modern dance drummers. Has always been a staunch
BIG TIME LUDWIG-ER
**Made By Drum Artists**

**For Artist Drummers**

Here are a few of the many Ludwig craftsmen who for years (some as many as twenty-one) have been devoting their experience and skill in developing, perfecting, and producing Ludwig drums, mallet instruments, and accessories. Collectively, this group represents almost 200 years of drum-making experience. This experience, combined with expert craftsmanship, the finest materials, a wealth of exclusive Ludwig patents, and unlimited manufacturing facilities, has year after year meant a never-ending flow of sensational Ludwig achievements—all designed to make the drummer’s work, easier, better, and more profitable. Follow the wise example of the finest drummers everywhere—play Ludwig & Ludwig, Inc., instruments—“Tops in the Drum World!”

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**LUDWIG & LUDWIG, INC.**

**The Drum Standard of the World**

1611-27 N. Wolcott Ave.

Cable address: LUDRUM—CHICAGO

Chicago, Illinois, U.S.A.

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**Look for this Guarantee**

Every professional instrument made by Ludwig & Ludwig, Inc., bears the Ludwig Guarantee which assures the purchaser that his instrument will give him long, satisfactory service. Look for the Ludwig & Ludwig, Inc., trademark and guarantee on instruments BEFORE YOU BUY!
Ludwig Instruments and Accessories Are Produced by Skilled Craftsmen Who Know Drums and Drummers' Needs

For almost thirty years the name Ludwig & Ludwig on drums, percussion instruments, and accessories has stood for the highest quality and excellence. Since the introduction of the first floor type foot pedal in 1910 the history and growth of Ludwig & Ludwig has been synonymous with the introduction of newer, finer, and better percussion instruments. Our constant aim always has been to keep a step ahead of the drummer—to anticipate his needs and requirements, and to develop new equipment which makes drummers' work easier and better.

Ludwig & Ludwig was the first in America to make pedal tympani. First to develop and popularize the separate tension snare drum. First to make and market a snare drum with dual snares. First to produce a speed pedal. First to develop and perfect the "Aero-Kraft" laminated drum shell construction. First to popularize complete drum outfits. First to develop and promote new finishes, colors, and decorative designs.

In the drum corps field we have been pioneers in the promotion of rudimental contests, developed the first chromatic mounted aluminum bell-lyra and bugle-lyra, and were the first to make the modern piston bugle.

It is but natural, then, that Ludwig drums and accessories 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 you are assured of the finest quality percussion instruments that skilled craftsmen, the best materials, and specially designed machinery can produce.

Our Research Staff is responsible for most of the major development and improvements now standard on drums and equipment as shown in this catalog. In close contact with drummers all over the world in every field of music, our staff is constantly at work creating new instruments, and developing improvements and changes to help the modern drummer.

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 expert solution without charge or obligation.

Our Service Department, composed of experienced men, will serve you gladly in questions of 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 who your local dealer is, we will be glad to supply his name upon request. If there is no Ludwig dealer in your community, we will supply the name of the Ludwig dealer nearest your home.

Repair Service

Our Repair Department is equipped to serve you as satisfactorily and as speedily as the individual job will permit. 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, sizes, colors, finishes, etc. A drawing of the part may help to avoid delays made necessary by lengthy correspondence. See pages 55 and 56 for listing of repair parts.

General Information

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, sizes, 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. Prices in this catalog supersede all previous price lists.

Remittances are safest when made by money order. Please do not remit currency. Stamps will be accepted for amounts less than one dollar. All retail orders must be accompanied by a deposit of not less than 10% of the total, balance C.O.D., unless special terms have been arranged. Merchandise 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 policy is to serve the drummer faithfully, to be ever watchful of 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.
Percussion Staff N. B. C. Chicago Studios is 100% Ludwig!

Four of the greatest drum, tympani, and mallet instrument artists in America make up the percussion staff of the N.B.C. Chicago studios—and they are all 100% Big Time Ludwig-ers! Here they are with their Ludwig drums, tympani, and accessories. From left to right: Ralph Smith, Frank Rullo, Bobby Christian, and Harry Buddinger. When you hear any of the many programs originating from the Chicago N.B.C. studios you can be sure the drumming is right, for one of these percussionists will be on the job with his Ludwig!

MURRAY GAER
Stellar rhythm dispenser with Abe Lyman

FRANK PICHl
Stellar Chicago drum star with Jack Russell

PHIL DOOLEY
Big-Time Ludwig-er with his own orchestra

MARTY GREENBERG
Swings 'em hot with Muggsy Spanier

ROBERT WHITE
Famous drum star with Freddie Martin

HANK DUSIN
Big time Ludwig-er of St. Louis, Mo

OTTO KRISTUFK
Chicago, Ill.

FRED. H. SCHULTZ
Milwaukee, Wis.

SIMON STERNBURG
Boston, Mass.

ED. B. STRAIGHT
Chicago, Ill.

OSCAR SCHWAR

H. A. FOGEL
Canton, Ohio

E. P. JAMES
San Diego, Calif.
ACCESSORIES are Tops
Drummers Everywhere!

JOE AMATO
Famous West Coast tympanist and rudimental artist

JACK POWELL
The world's most famous and highest paid drum artist! His unique drum act is known and acclaimed in Europe as well as in America. Has performed before kings and presidents, and in every leading theatre from coast to coast. Featured in the motion picture, "East Side of Heaven," for which he made a flying trip from London to Hollywood at a cost to the producers of close to $40,000.00. A drummer for 25 years, Jack has always been a Ludwig user. He is shown with his latest Ludwig outfit.

EDDIE SHEA
Dispenses "Makes you want to dance" rhythm with Kay Kyser

JOHNNY JACOBS
Radio-movie drum artist, shown with Fran Frey (right) and Edward G. Robinson

BUD MOORE
Rhythm dispenser at San Francisco's Bal Tabarin

PAUL COLLINS
With Buzzy Berigan's stellar swing band

DICK FREEMAN
Australia's leading drum artist 100% Big Time Ludwig-er

LOU SINGER
Outstanding Chicago drum and mallet instrument artist

ALLEN KIMMEY
Staff drum and mallet artist Station WBBM, Chicago

SIDNEY CATLETT
Stellar percussionist with Louis Armstrong

Page 3
The World’s Finest Snare Drums!

Note These Superior Construction Features

1—PERFECT SHELLS
The strongest, most perfectly round shells made—wood or metal. They maintain their roundness under all weather conditions.

2—INDIVIDUAL SNARE ADJUSTMENT
On Super-Ludwig drums. Gives perfect, instant, individual adjustment for each snare—gut, coiled wire, or silk-wire.

3—FULL SELF ALIGNMENT
Assures better head tension and better playing qualities.

4—INTERNAL TONE CONTROL
Eliminates annoying ring. Permits fullest tone regulation.

5—FINEST MATCHED HEADS
Carefully selected calfskin, matched for batter and snare sides for tonal perfection and response.

6—FINEST SNARE STRAINERS
Instant throw-on and throw-off. Lightning fast action.

7—STREAMLINE TENSION CASES
Match the tension cases on bass drums and tom toms for uniformity and beauty.

8—UNIFORMLY ACCURATE SIZES
Ludwig snare drums are absolutely uniform so that you can change hoops or other parts with assurance of perfect fit.

Deluxe and Pearl Shell Finish

All Ludwig snare drums (unless otherwise specified) are available with gleaming Chromium plated metal parts, and lacquer, Multi-Color, or fancy pearl shell finishes. Prices for these finishes are listed with each model.

Chromium plating is the easiest of all metal platings to keep clean. Merely wipe with a slightly dampened cloth. Will not rust or tarnish. At the slight additional cost why not use this superior finish for greater beauty and lasting satisfaction?

See pages 9 and 10 for Ludwig pearl and flash finishes and special flash pearl decorations for snare drum shells.

Sensational New Design Snare Stainer
(Used on all Standard and Standard Swing Models)

The first new strainer development in 10 years! Made to meet the demands of the modern swing drummers who play with looser heads and snares.

Illustrations above and below show throw-off of ordinary strainer (right) and new Ludwig strainer (left). The new Ludwig strainer has TWICE the throw-off, assuring clear tom-tom effects without any snare buzz or rattle.

The new Ludwig snare strainer will stand up under the heaviest usage. Heavy beats and rim-shots WILL NOT throw off this strainer! Swing out with your hottest licks! This strainer can take it!

New Streamlined Tension Case With Self Alignment

You won’t strip the threads on the rods of a Ludwig separate tension snare drum, bass drum, or tunable tom-tom, for all of these instruments are now made with self-aligning rods! Rods screw into receiving tubes, or lugs, on the inside of the beautiful streamlined tension cases, which are free to move in any direction, as shown by the dotted lines in illustration at the right. These receiving tubes are entirely concealed, with no exposed fittings to mar the beauty and symmetry of the tension cases. Self-aligning rods assure better head tension and better playing qualities. Another reason for Ludwig supremacy!

Extra Super-Ludwig Snares

The change to gut, coiled 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 nuts, remove the old snares, insert new snares and tighten nuts. For Super-Ludwig drums only. Specify diameter of drum when ordering.

No. 671—Gut Snares ........................................... $4.00
No. 672—Coiled Wire Snares ................................. 4.00
No. 673—Silk-Wire Snares ................................... 4.00
METAL SHELL

No. 43—Size 5"x14" ........................................... $49.50
No. 44—Size 6¼"x14" ........................................... $64.50

Choice of sizes but fully Chromium plated ........................................... $64.50
Choice of sizes with engraved black shell and Chromium plated fittings... $4.50

SUPER-LUDWIG SNARE DRUMS

Sensitive Snare Response
Internal Tone Control
Individual Snappi-Snares

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 drummers.

Instant throw-off and throw-on snare strainer with heavy cast lever. Individual snare adjustment with new heavy snare strainer guard. Heavy flanged counter hoops which

Metal Shell
The seamless, one-piece metal shell is sturdy made with center reinforcing head for utmost strength. New design flanged counter hoops cover the edge of the drum head. Shell and all fittings are heavily nickel plated, with Chromium and fancy finishes extra as listed. Batter and snare heads are both of the finest selected Ludwig quality calfskin.

Full Self-Aligning Rods
Excellent Volume and Power
Super-Strength Construction

completely cover the edge of the drum head. Separate
tensioned heads with eight key tension self-aligning rods
and new modern design tension cases... These are but a
few of the many superlatively 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.

Wood Shell
The finest, strongest, and most perfectly round shell made in a beautiful
hand rubbed and polished mahogany finish. Choice of any lacquer
color on shell at no additional cost. The metal counter hoops, separate
tension key rods, self-alignment tension cases, snare control, and other
metal parts are heavily nickel or Chromium plated.

WOOD SHELL

No. 53—Size 5"x14" ........................................... $49.50
No. 54—Size 6½"x14" ........................................... $62.00

Available with wood counter hoops in 6½"x14" size... NO EXTRA CHARGE
Choice of sizes with Chromium plated metal fittings ........................................... $62.00
Choice of sizes with any Ludwig Pearl on shell and Nickel fittings. $7.00
Choice of sizes with any Ludwig Pearl on shell and Chromium fittings ........................................... $9.50

See page 7 for 7"x14" and 8"x14" sizes.
THE LUDWIG STANDARD SNARE DRUMS

Full Self-Aligning Rods
Splendid Volume and Power
Internal Tone Control

The Ludwig Standard Snare Drum has been the standard by which other drums have been judged for twenty-seven 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.

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 calfakin. New design snare strainer.

New Design Snare Strainer
Sensitive Snare Response
All-Metal Snappi-Snares

Heads are tensioned separately with eight key tension self-aligning rods and new modern design tension cases. New design snare strainer (described above) 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.

Wood Shell

Shell is the strongest, most perfectly round made, mahogany finished in its natural beauty or in any lacquer color. Snare and batter heads are tensioned separately and the same fine snare strainer assembly and snare control features prevail on this as on the metal shell model. Heads are finest quality selected Ludwig calfakin. Heavily nickel plated metal hoops and fittings.

WOOD SHELL

No. 27—Size 5½”x14” .......................... $38.00
No. 28—Size 6½”x14” .......................... $45.50
No. 29—Shell size 6½”x15”. Mahogany shell, metal counter hoops. Nickel plated metal parts. Each .......................... 43.00

See page 7 for 7”x14” and 8”x14” sizes.

Page 6
Modern "swing" music puts the drummer in the spotlight more than ever, and here are the drums you'll want to "swing out" on a hot chorus. Made in two sizes—7"x14", and 8"x14"—giving you the deeper, more resonant tone you've always wanted but could not get with smaller drums.

Available in both Super-Ludwig and Standard models. The Super-Ludwig has individual snare adjustment, separate tension heads, self-aligning rods, instant throw-off and throw-on snare strainer with heavy cast lever, and streamlined tension cases. Standard models have the new design snare strainer (which permits playing with looser snares), self-aligning rods, streamlined tension cases, and separate tension heads. All models are equipped with internal tone control.

Super-Swing Models

8"x14" SHELL SIZE
Metal Counter Hoops
No. 61—Mahogany shell, nickel plated hoops and fittings $51.50
Same, but with Chromium plated fittings 84.00
For choice of lacquer color on shell NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell, and nickel plated hoops and fittings 59.00
Same, but with Chromium plated hoops and fittings 71.50

Wood Counter Hoops
No. 60—Mahogany shell, mahogany stained counter hoops, nickel plated fittings $51.50
Same, but with Chromium plated fittings 84.00
For choice of lacquer colors on shell and hoops NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell and inlaid counter hoops, Nickel plated fittings 59.00
Same, but with Chromium plated hoops and fittings 71.50

7"x14" SHELL SIZE
Metal Counter Hoops
No. 59—Mahogany shell, nickel plated hoops and fittings $51.50
Same, with Chromium plated hoops and fittings 84.00
For choice of any lacquer color on shell NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell, and nickel plated hoops and fittings 59.00
Same, but with Chromium plated hoops and fittings 71.50

Wood Counter Hoops
No. 51—Mahogany shell, mahogany stained counter hoops, nickel plated fittings $51.50
Same, but with Chromium plated fittings 84.00
For choice of lacquer colors on shell and hoops NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell and inlaid counter hoops, Nickel plated fittings 59.00
Same, but with Chromium plated fittings 71.50

Standard Swing Models

8"x14" SHELL SIZE
Metal Counter Hoops
No. 37—Mahogany shell, nickel plated hoops and fittings $40.00
Same, with Chromium plated hoops and fittings 47.50
For choice of lacquer color on shell NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell and nickel plated hoops and fittings 47.50
Same, but with Chromium plated hoops and fittings 55.00

Wood Counter Hoops
(Mahogany Stained)
No. 36—Mahogany shell, nickel plated fittings $40.00
With Chromium plated fittings 47.50
For lacquer colors on shell and hoops NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell and inlaid counter hoops, Nickel plated fittings 47.50
With Chromium plated fittings 55.00

7"x14" SHELL SIZE
Metal Counter Hoops
No. 35—Mahogany shell, nickel plated hoops and fittings $40.00
Same, with Chromium plated hoops and fittings 47.50
For choice of lacquer color on shell NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell and nickel plated hoops and fittings 47.50
Same, but with Chromium plated hoops and fittings 55.00

Wood Counter Hoops
(Mahogany Stained)
No. 30—Mahogany shell, nickel plated fittings $40.00
With Chromium plated fittings 47.50
For lacquer colors on shell and hoops NO EXTRA CHARGE
With choice of Ludwig Pearl or Flash on shell and inlaid counter hoops, Nickel plated fittings 47.50
With Chromium plated fittings 55.00
Ludwig School Band Snare Drums

7½"x18" and 8½"x15" Shell Sizes
These two new large shell size drums are ideal for band use. They combine the snap, brilliance, and instant response of the orchestra drum with the power and volume of the parade drum. They fill a long felt want in the concert band where baritone directors have had to use parade drums to get the desired volume. These new models have all the volume desired with sharper tone and more delicate response.

No. 21—Pioneer Concert Snare Drum, 7½"x15" shell size. Mahogany shell, nickel plated metal hoops. Eight separate, key-tension rods, heavily nickel plated. Snaps. Snares with instant throw-off and throw-on snare strainer, nickel plated. Selected calfskin heads. Takes Nos. 269 or 367 drum case.) $30.00

No. 25—Standard Concert Snare Drum, 8½"x15" shell size. Mahogany shell, nickel plated metal hoops. Eight separate key-tension rods with self-aligning streamline tension cases, heavily nickel plated. Ten heavy gut snares with fast throw-off and throw-on snare strainer, nickel plated. Selected calfskin heads. (Takes Nos. 259 or 357 drum case.) $43.00

Ludwig Pioneer Snare Drum

6½"x14" or 5½"x14" Shell Size
The Pioneer snare drum is the original Ludwig drum with, of course, many improvements since it was first introduced by Ludwig & Ludwig in 1910. 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 and throw-on feature. Wire-wound snare. Fine quality calfskin heads. Not supplied in Chromium plated or fancy finishes.

No. 18—Metal shell, size 6½"x14". Nickel plated finish .................. $25.00
No. 48—Mahogany shell, metal hoops. Size 6½"x14". Nickel plated fittings. 25.00
No. 17—Metal shell, size 5"x14". Nickel plated finish .................. 25.00
No. 47—Mahogany shell, metal hoops. Size 5"x14". Nickel plated fittings .. 25.00

Ludwig Universal Snare Drum

A low-priced drum of semi-professional caliber that cannot be surpassed at the price. Made with choice of all-metal or three-ply laminated mahogany shell. Has six separate tension rods, steel counter hoops, convenient throw-off muffles snare strainer, fine quality calfskin heads and quality wire wound snares. Not supplied in Chromium plated or pearl finishes. All metal parts heavily nickel plated. Size 5"x14" only.

No. 12—Metal Shell, size 5"x14". Shell and all parts heavily nickeled ... $19.50
No. 31—Mahogany Shell, size 5"x14". Nickel plated metal parts ...... 19.50

Ludwig Junior Snare Drum

This splendid drum is made with a choice of all-metal or mahogany shell and is ideal for the young drummer from 8 to 12 years of age. Heads are tensioned with six thumb-screw rods. Thumbscrew snare strainer, quality snares, and calfskin heads. Nickel plated. Size 3½"x13" only.

No. 4395—Metal Shell, size 3½"x13". Shell and all parts heavily nickeled ... $11.50
No. 4396—Mahogany Shell, size 3½"x13". Nickel plated metal parts .. 11.50

Ludwig Juvenile 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 as are the maple counter hoops; new sturdy snare strainer; wire-wound snares; good grade heads.

No. 4315—Juvenile Snare Drum, size 3½"x12", complete with sticks and sling ........................................ $7.00
Finest Quality Materials and Superior Construction Features Make Ludwig Bass Drums the World's Finest

1. Aero-Kraft Shell Construction
Far superior and stronger than even heavy solid wood construction.

2. Absolute Roundness
Ludwig bass drum shells are not only absolutely round but they maintain their roundness under all weather conditions.

3. Maximum Strength
The strongest bass drum shell ever constructed due to the cross-banding of the alternate layers of wood.

4. Self-Aligning Rods
Assures better, more uniform head tension and better playing qualities.

5. Matched Selected Heads
Heads are selected and matched calfkin of the finest quality.

6. Double Claw Hooks
Increases gripping surface over 40%, insuring more even tension.

7. Streamline Tension Cases
Add beauty and strength to the drum.

8. Uniformity of Appearance
Designed to match snare drums and tubular tom toms to make an harmonious ensemble.

Chromium Plating

A lifetime plating, second only to diamond in hardness, which will not crack, flake or peel. It is the easiest of all metal platings to keep clean. Merely wipe with a slightly dampened cloth. Will not rust or tarnish. All but a few of the drums and accessories shown in this catalog can be supplied with Chromium plated metal parts at slight additional cost. Why not use this super finish for its greater beauty and lasting satisfaction?

Multi-Color Finish

A lacquer finish dexterously applied with two contrasting colors to give a three-tone effect. (See illustration on page 10). Blue and silver Multi-Color is standard, with the blue on the outside gradually fusing with the silver so that it graduates from solid blue, through silver-blue, to a pure silver color.

Blue and silver Multi-Color finish is supplied in place of mahogany finish AT NO EXTRA COST on Standard model bass drums. Other color combinations, $2.50 extra—green and gold; red and silver, black and gold, and black and silver. Inlaid counter hoops in any standard pearl or flash, $3.00 extra when ordered with lacquer color shells.

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 and fully transparent. Available for Standard and separate tension Artists model bass drums in 26", 28" and 30" sizes only, at prices listed below.

No. 132—Choice of color scenes illustrated, add to price of drum $10.00 Extra
NOTE: If ordered separately, to this price add cost of Selected Whitecal head, bass drum flesh hoop, and tucking of head. See pages 34, 35 for these prices.

LUDWIG MONSTER BASS DRUMS

Super-size bass drums, valuable as publicity and advertising stunts on many occasions. These drums are standard with mahogany shells, but may be had with choice of colors on shell and hoops. Easy to handle and play. Separate tension heads with tenny handle rods mounted on double support lugs. Heads are quality steer hides (calfskins are too small). Write for prices.

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Drum Carriages

Available in either two wheel (No. 99), or four wheel (No. 99½), for drums up to 60" in diameter. Complete with straps. Write for prices.

FLASH PEARL DECORATIONS

Pearl shell drums are especially colorful with the addition of two or three color decorations—preferably in contrasting colors. The illustrations above show five popular decorations available on any pearl shell Standard model bass drum in any of the colors shown on page 10. Decorations are supplied on pearl shell drums at the additional cost given below.

<table>
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</table>

Be Sure to Specify Colors Wanted
The Ludwig Standard Bass Drum is a quality bass drum with the standard three-ply Aer-O-Kraft laminated shell construction insuring good tone, strength and light weight. Available in either separate or single tension models with streamlined tension cases. Drums are standard with Mahogany shells finished in their natural grain and hoops in natural Maple; or Black ebonized or White enamel shells and hoops may be had at no extra charge.

Separate Tension
With Streamlined Casings and Self-Aligning Rods

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Nickel</th>
<th>Chromium</th>
</tr>
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<td>105</td>
<td>14''x28''</td>
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<td>107</td>
<td>14''x30''</td>
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<td>108</td>
<td>16''x30''</td>
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<td>112</td>
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<td>116</td>
<td>16''x34''</td>
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<td>119</td>
<td>16''x36''</td>
<td>87.50</td>
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For choice of lacquer colors on shell and hoops, or Blue and Silver Multi-Color NO EXTRA CHARGE
For choice of Ludwig Pearl or Flash on shell and inlaid hoops, up to 14''x30'' $25.00 Extra

Ludwig Pearl and Flash Finishes

The modern drummer is more than just a "rhythm dispenser"—he is often the featured player, and showmanship is part of his stock in trade. His work is easier, his popularity more assured, and his remuneration generally greater if his outfit is as pleasant to the eye as his rhythms are to the ear.

Ludwig DeLuxe finishes on drums and complete outfits are glorified models that you will be proud to display and use anywhere. They are practical as well as beautiful. A DeLuxe finish drum or outfit will retain its beauty for a longer period of time and have a higher resale value.

Any of the beautiful Ludwig Pearl or Flash finishes shown here may be had only on Ludwig Standard model bass drums listed on this page, at an added cost of only $25.00. This includes matching or contrasting inlay in mahogany finish counter hoops.

On the separate tension models, self-aligning double-claw hook rods fit into new long tension cases which add beauty and strength to the drum. Fittings are heavily Nickel plated. Heads are selected and matched calfskin. Ludwig Standard Model bass drums are the choice of professionals. In use by leading drummers in nearly every country on the globe.

Single Tension
With Streamlined Tension Cases

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
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<td>129</td>
<td>16''x34''</td>
<td>53.50</td>
<td>63.50</td>
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</table>

For choice of lacquer colors on shell and hoops, or Blue and Silver Multi-Color NO EXTRA CHARGE
For choice of Ludwig Pearl or Flash on shell and inlaid hoops, up to 14''x30'' $25.00 Extra
LUDWIG

Artist's Model Bass Drums

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 with counter hoops of selected Maple. 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 or white lacquer or blue and silver Multi-Color finish supplied at small extra cost as listed below. Heads are selected calfskin.

Aero-Kraft Shells of Genuine Mahogany Maple Counter Hoops

SINGLE TENSION (With Center Supports)
No. 160—14"x26" (10 rods) ........................................... $46.00
No. 161—14"x28" (12 rods) ........................................... 48.00
No. 162—14"x30" (12 rods) ........................................... 52.00
No. 163—16"x30" (12 rods) ........................................... 59.00

SEPARATE TENSION
No. 172—14"x26" (10 rods) ........................................... $20.00
No. 173—14"x28" (10 rods) ........................................... 25.00
No. 174—12"x26" (8 rods) ........................................... 29.00
No. 175—12"x28" (10 rods) ........................................... 31.50
No. 176—14"x26" (10 rods) ........................................... 34.50
No. 177—14"x28" (12 rods) ........................................... 36.00
No. 178—14"x30" (12 rods) ........................................... 40.00
No. 179—16"x30" (12 rods) ........................................... 41.00

For white or black lacquer or blue and silver Multi-Color on shell and hoops ........................................... $2.00 Extra
For any other Multi-Color combination ........................................... $2.50

Above drums NOT SUPPLIED in pearl or Chromium finishes.

UNIVERSAL BASS DRUM

Made in 8"x22" shell size, this model is ideally suited to junior band and orchestra and child rhythm band use because of its small size, light weight, and low price. Made with natural finish maple shell and counter hoops. Eight thumb screw tension rods are of sturdy pressed steel, heavily nickel plated. This drum is included in the Junior Drum Outfit illustrated on page 16. In style and finish it matches snare drum No. 4315, on page 8, and parade drum No. 4316, on page 52.

No. 4024—Ludwig Universal Bass Drum. 8"x22" size, Maple shell and counter hoops, nickel plated thumbscrew rods ........................................... $20.00

For choice of lacquer colors on shell and hoops ........................................... $1.50 Extra

SINGLE TENSION (No Center Supports)
No. 180—8"x22" (8 rods) ........................................... $18.50
No. 181—8"x24" (8 rods) ........................................... 23.50
No. 182—10"x24" (8 rods) ........................................... 27.50
No. 183—12"x26" (10 rods) ........................................... 30.00
No. 184—14"x26" (10 rods) ........................................... 33.00
No. 185—14"x28" (12 rods) ........................................... 34.50
No. 186—14"x30" (12 rods) ........................................... 38.50
No. 187—16"x30" (12 rods) ........................................... 39.50

Improved Electric Drum Heaters

Keeps heads properly tensioned in damp weather, and thereby preserves good drum tone under otherwise trying conditions. Gives a low, steady heat without light, and can be left in drum at all times. Sturdy Chromolox heating element. With proper care will never burn out. 12" long and 1 1/2" in diameter. Complete with six feet of cord and attachment plugs. For use only with 110 volt electric current.

No. 732—Bass Drum Heater ........................................... $7.50
No. 733—Bass Drum Heater ........................................... $7.50

Bass Drum Blinker Lights

No. 131—Blinker attachment, plugs 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
THE LUDWIG
SWING SENSATION
DRUM OUTFIT

Get behind this sparkling chromium and white pearl outfit and you'll be inspired to beat rhythms that are truly "out of this world"! It's so complete—yet so compact—that you can cover the entire array of drums, tom-toms, cow bells, wood block, and cymbals without missing a lick in the fastest tempos! It's a marvel of streamlined beauty—with snare drum, bass drum, and the three tunable tom-toms all fitted with the same design tension cases for matched appearance, as well as greater strength and durability. The universal trap rack holds cow bells, wood block, two cymbals and two tunable tom-toms in the most convenient playing position—adjustable to your individual requirements. For really sensational performance you should have the Ludwig Swing Sensation Drum Outfit!

Complete Outfit Consists of:

1. No. 1100K Universal Trap Rack, chromium plated .......... $11.00
2. No. 1110K Combination cow bell and wood block holder, chromium .......... 2.75
3. No. 464 Large wood block .......... 1.50
4. No. 563 (B-23) 6 1/2" Cow bell .......... 1.20
5. No. 564 (B-24) 4 1/2" Cow bell .......... 1.00
6. No. 1107K Cymbal holder with 32" straight rod which can be bent as desired. Chromium plated. Complete with rubber cymbal seats at $3.25 ..... 6.50
7. No. 474K Bass drum cymbal holder for 15" Chinese cymbal, chromium .......... 2.50
8. No. 991K Cymbal stand with rubber cymbal seat. Chromium .......... 6.75
9. No. 943K Hi-Sock Pedal, chromium .......... 15.00
10. No. 436 11" thin Zenjian cymbals for Hi-Sock pedal, at $8.00. .......... 16.00
11. No. 466 12" thin Zenjian cymbal for No. 991K cymbal stand ..... 9.50
12. No. 437 13" thin Zenjian cymbal for No. 1107K holder .......... 12.00
15. pr. No. 868K Greeko symbols and holders, chromium .......... 3.25
16. pr. No. 668K Pressure type bass drum muffler, chromium .......... 3.25
17. pr. No. 604 Rubber handle wire brushes .......... 1.00
18. pr. No. 588 2A Hickory drum sticks .......... 45

TOTAL VALUE .......... $427.40

Outfit, exactly as described and illustrated, with white pearl separate tension bass drum, snare drum, and tom-toms, and chromium plated fittings and accessories .......... $405.00

No. 1150KPV—Same as above, but with all fittings and accessories nickel plated .......... $340.00
No. 1155KPV—With SINGLE TENSION bass drum and tom-toms, chromium plated fittings and accessories .......... 362.00
No. 1155PV—With SINGLE TENSION bass drum and tom-toms and nickel plated fittings and accessories .......... 307.00
No. 1158—With SINGLE TENSION bass drum and tom-toms, choice of lacquer finish, and nickel plated fittings .......... 257.00

Extra $2.00
Special Ludwig DeLuxe Drum Outfit
World’s Finest and Most Complete Outfit

Here is truly the supreme drum outfit! It comprises everything the finest professional artist could ask for—all in one complete, matched ensemble! Snare drum, bass drum, and tunable Tom-Toms finished in gleaming white Avalon pearl (other pearl finishes available at same price). The snare drum is the popular Super-Ludwig model in 7"x14" "swing" size. Bass drum is 14"x28" separate tension model with self-aligning rods and streamline tension cases. Traps include temple blocks, wood blocks, cow bells, Hi-Sock pedal, maracas, castanets, claves, and all the cymbals you could ask for, all mounted on a Ludwig Wheel-Away Trap Console.

**Complete Outfit Consists of:**

1. No. 51PV 7x14" White Avalon Pearl and Nickel, Super Swing Snare Drum $55.00
2. No. 105PV 14x22" White Avalon Pearl and Nickel, separate-tension Bass Drum 77.50
3. No. 399 Super Speed Pedal 15.00
4. No. 1500 Wheel-away Trap Console 43.50
5. No. 1501 Tom Tom Holder for 2 tom toms 8.50
6. No. 1502—Snare Drum Holder Arm only 7.00
7. Basket Arms only for No. 336 to fit No. 1502 Snare Drum Holder Arm 3.00
8. No. 1503 Front Cymbal Arm and Adapter 1.40
9. No. 1504 Front Cymbal Arm Short Angle 1.40
10. No. 1505 Rear Cymbal Arm (1$1.40) 2.00
11. No. 997 Temple Block Rack 5.00
12. No. 998 Temple Blocks 5.00
13. No. 560 Trap Table Choke Cymbal Holder 1.00
14. No. 428 7" Brass Cymbals 1.00
15. No. 1028PV 12x14" Single Tension, key-rod, White Avalon Pearl and Nickel Tunable Tom Tom 33.00
16. No. 1029PV 14x16" Single Tension, key-rod, White Avalon Pearl and Nickel Tunable Tom Tom 28.50
17. No. 943 Hi-Speed Pedal 10.00
18. No. 688 Muffler 2.25
19. No. 438, 11" Zenjons for Hi-Hat 8.00 10.00
20. No. 789, 10" Thin Zildjian Cymbal 15.00
21. No. 781, 11" Thin Zildjian Cymbal 11.25
22. No. 782, 12" Thin Zildjian Cymbal 12.50

**Total Value** $408.05

No. 1170PV5—DeLuxe Drum Outfit with white Avalon pearl shell drums and Tom-Toms and nickel plated metal parts, as illustrated and described above. **$386.00**

For Chromium plated metal parts, add to above price **$65.00 Extra** Above outfit available with any other Ludwig pearl or flash on special order at no extra cost. Allow ten days for delivery.

---

**Professional Drum Outfit**

White or Black Avalon Pearl Finish

A highly popular outfit made up of standard Ludwig professional equipment, but still moderately priced. Bass and snare drum, and the two tunable Tom-Toms are finished in beautiful white Avalon pearl. (Black Avalon pearl optional at same price.) White or black lacquer or Multi-color finishes are optional at prices listed below. Nickel plated fittings and accessories.

**Complete Outfit Consists of:**

1. No. 28PV 8½x14" Standard White pearl Speedy-Lite Snare Drum **$45.50**
2. No. 331 Snare Drum Stand 5.00
3. No. 1100 Universal Trap Rack 7.50
4. No. 125PV 14x22" Standard Model White Pearl Pearl and Nickel Bass Drum 65.00
5. No. 326 Pedal 10.00
6. pr. No. 315 Spurs 1.50
7. No. 1026PV, 7x11" single-tension key-rods, White Pearl Pearl and Nickel Tom Tom 20.50
8. No. 1027PV 9x13" single-tension, key-rod, White Pearl Pearl and Nickel Tom Tom 22.00

**No. 1171PV5—Professional Drum Outfit as illustrated and described with nickel plated fittings and accessories.** **$197.50**

No. 1171PV6—Same outfit, but with Black Pearl Pearl on drums and Tom-Toms **$197.50**
No. 1171DE—Same outfit, but with White Lacquer finish on drums and Tom-Toms **$155.00**
No. 1171B—Same outfit, but with Black Lacquer finish on drums and Tom-Toms **$155.00**
No. 1171BLS—Same outfit, but with Blue and Silver Multi-color finish on drums and Tom-Toms and silver flash inlaid counter hoops on bass drum **$155.00**
No. 1171BGL—Same outfit, but with Black and Gold Multi-color finish on drums and Tom-Toms, and gold flash inlaid counter hoops on bass drum **$159.50**

For Chromium plated metal fittings and accessories on above outfit **$35.50 Extra**
Ludwig Swing Session Drum Outfit
Black and Gold, or Blue and Silver Multi-Color

Here is one of the finest and snappiest outfits that has ever been assembled—an outfit of high professional quality with the drums and tunable tom toms finished in gleaming black and gold Multi-Color. (Available at same price in blue and silver Multi-Color). This outfit has everything—two tunable, key tension tom toms, Hi-Sock pedal, cymbals and holders, combination wood block and cow bell holder, and giant bass drum spurs. Accessories and metal fittings heavily nickel plated.

Complete Outfit Consists of:

| Item | Description | Price  
<table>
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<tr>
<th></th>
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<tbody>
<tr>
<td>1 No. 285LG</td>
<td>6½”x14” Black and gold Multi-Color snare drum</td>
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<td>1 No. 334 Snare Drum Stand</td>
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<td>1 No. 124BGL</td>
<td>14”x26” Standard Bass Drum, black and gold Multi-Color shell and gold flash pearl inlay hoops</td>
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<td>1 pr. No. 313 Giant Bass Drum Spurs</td>
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<td>1 No. 326 Speed Pedal</td>
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<td>1 No. 943 Hi-Sock Pedal</td>
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<td>1 No. 429, 10” brass cymbal for Hi-Sock</td>
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<td>1 No. 926, 10” Stanpople cymbal for Hi-Sock</td>
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<tr>
<td>1 No. 1027BLG</td>
<td>8”x13” single tension tunable tom tom, metal hoops, calfheads, black and gold Multi-Color</td>
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<td>1 No. 976, Tunable tom tom holders</td>
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<td>1 No. 658, Bass drum muffle</td>
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<td>1 No. 451 Cymbal holders</td>
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<td>2 No. 927, 11” Stanpople cymbal</td>
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<td>1 No. 453, Combination wood block and cow bell holder</td>
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<td>1 No. 452, Wood block</td>
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<tr>
<td>1 No. 584, (B-24) Cow Bell</td>
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<td>1 No. 585, (B-25) Cow Bell</td>
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<tr>
<td>1 pr. No. 604, Rubber handle wire brushes</td>
<td>.45</td>
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<tr>
<td>1 pr. No. 588, Hickory drum sticks</td>
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<tr>
<td><strong>TOTAL VALUE</strong></td>
<td><strong>$180.50</strong></td>
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PRICES

No. 1151BLG—Ludwig Swing Session Drum Outfit, as illustrated and described, complete ............................... $170.00

No. 1151BLS—Same, but with Blue and Silver Multi-Color .......................................................... $170.00

With 7”x14” or 8”x14” Standard Swing Snare Drum .......................................................... $2.00 Extra

With 14”x28” Standard Bass Drum .......................................................... $2.00 Extra

Improved Dixie Swing Drum Outfit
In White or Black Lacquer

Here, in one complete and one compact drum set, is everything the modern swingster needs to set the tempo for the swingiest dance band! Note the compact, convenient arrangement of this drum set. Everything is readily accessible and playable—Tom-Toms, wood block, cow bells, and cymbals—for the hottest and fastest rhythms. Bass and snare drum and Tom-Toms finished in choice of gleaming white or black lacquer. All metal fittings and accessories heavily nickel plated.

Complete Outfit Consists of:

| Item | Description | Price  
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1 No. 28D, 6½”x14” Standard Snare Drum, metal hoops, separate tension, white lacquer shell</td>
<td>$38.00</td>
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<tr>
<td>1 No. 334, Snare Drum Stand</td>
<td>3.50</td>
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<tr>
<td>1 No. 124D, 14”x26” Standard Bass Drum, white lacquer shell and hoops</td>
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<tr>
<td>1 No. 326, Speed Pedal</td>
<td>10.00</td>
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<tr>
<td>1 pr. No. 313, Long Spike Spurs</td>
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<tr>
<td>1 No. 943, Ludwig Hi-Sock Pedal</td>
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<tr>
<td>1 No. 429, 10” Brass Cymbal for bottom of Hi-Sock</td>
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<td>2 No. 451, High rod, 18” Cymbal Holders ($1.75)</td>
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<td>1 No. 927, 11” Turkish Type Cymbal</td>
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<td>1 No. 670, Bass Drum Muffler</td>
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<td>1 No. 405D, 4”x10” White Lacquer Chinese Tom-Tom</td>
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<td>1 No. 975, Chinese Tom-Tom Holder</td>
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<td>1 No. 1026D, 7”x11” Tunable Tom-Tom, white lacquer shell, metal hoops</td>
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<td>1 No. 976, Tunable Tom-Tom Holder</td>
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<td>1 No. 464, Large Wood Block</td>
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<td>1 No. 584, (B-24) Cow Bell</td>
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<tr>
<td>1 No. 585, (B-25) Cow Bell</td>
<td>.90</td>
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<tr>
<td>1 No. 453, Cow Bell and Wood Block Holder</td>
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<tr>
<td>1 pr. No. 630, Wire Brushes</td>
<td>.60</td>
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<tr>
<td>1 pr. No. 584, 3-A Hickory Sticks</td>
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<tr>
<td><strong>TOTAL VALUE</strong></td>
<td><strong>$153.00</strong></td>
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No. 1154D—Improved Dixie Swing Drum Outfit, as illustrated and described, with white lacquer drum and Tom-Tom shells, nickel plated fittings and accessories .......................................................... $146.00

No. 1154B—Same outfit, but with jet black lacquer shell drums and Tom-Toms .......................................................... $146.00

With 7”x14”, or 8”x14” Standard Swing Drums .......................................................... $2.00 Extra

With 14”x28” Shell Standard Bass Drum .......................................................... $2.00 Extra

Page 14
Ludwig Manhattan Drum Outfit

Black and Gold or Blue and Silver Multi-Color

A completely new drum outfit, made up of drums and accessories used by leading swing artists. A fine basic outfit. Ideal for the jobbing drummer. At its exceptionally low price you'll have to look far to find its equal in quality and completeness. All accessories and metal fittings on drums and tom toms heavily nickel plated. Black and Gold Multi-Color finish on drums and tom toms shells.

Complete Outfit Consists of:

1. No. 28BLG, 6 1/2" x 14" Standard Snare Drum, Metal Hoops, Black and Gold Multi-Color shell $38.00
2. No. 334 Snare Drum Stand $3.50
3. No. 124BLG, 14" x 26" Standard Single Tension Bass Drum with Stream-lined Tension Cases, Black and Gold Multi-Color shell and pearl flash inlaid hoops $41.00
4. No. 326, Ludwig Speed Pedal $10.00
5. pr. No. 313, Giant Bass Drum Spurs $1.50
6. No. 1027BLG, 9" x 13" Single Tension Tunable Tom Tom, Black and Gold Multi-Color Shell, Metal Hoops, Cafskin heads $16.50
7. No. 976, Tunable Tom Tom Holder $3.50

$132.50

Prices

No. 1152BLG—Ludwig Manhattan Drum Outfit, as illustrated and described, with Black and Gold Multi-Color finish on drums and tom-tom, and nickel plated fittings and accessories $132.50

Ludwig Blue and Silver Multi-Color 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 and attractive blue and silver Multi-Color finish. This outfit features two of the new No. 452 cymbal holders with the 32" long straight rod. Of course, other accessories—Tom-Toms, temple blocks, can be added to the outfit as the need, or desire, arises. All metal fittings and accessories are heavily nickel plated.

Complete Outfit Consists of:

1. No. 28BLS 6 1/2" x 14" Blue and Silver Multi-Color Snare Drum $38.00
2. No. 331 Snare Drum Stand 5.00
3. No. 124BLS 14" x 26" Standard Blue and Silver Multi-Color Bass Drum with inlaid counter hoops $41.00
4. No. 326 Pedal $10.00
5. pr. No. 324 Spurs .75
6. No. 452 Cymbal Holders ($2.25) 4.50
7. No. 926, 10" Turkish Type Stanhope Cymbal 4.50
8. pr. No. 928, 12" Turkish Type Stanhope Cymbal $5.75
9. pr. No. 453 Cow Bell and Wood Block Holder 1.50
10. No. 464 Wood Block 1.50
11. No. 586 B-24 Cow Bell 1.00
12. No. 585 B-25 Cow Bell .90
13. No. 870 Bass Drum Muffler 1.75
14. pr. No. 930 Jazz Sticks .80
15. pr. No. 584, 3-A Hickory Sticks .45

$117.20

No. 1173BLS—Ludwig Blue and Silver Multi-Color Drum Outfit, as illustrated and described, with metal fittings and accessories heavily nickel plated $112.00

No. 1173BLS—Ludwig Blue and Silver Multi-Color Drum Outfit, as illustrated and described, with metal fittings and accessories heavily nickel plated $112.00

Above outfit with any Multi-Color combinations (see page 9) on special order. (Allow ten days for delivery). Nickel plated metal fittings $4.50 Extra

With 7" x 14", or 8" x 14" Standard Swing Snare Drum $3.00 Extra

With 14" x 28" Standard Bass Drum $3.00 Extra
Ludwig Marvel Drum Outfit

Everything its name implies—a marvel in quality, completeness, beauty, and price. Available in either jet black or white lacquer finish, with metal fittings and accessories heavily nickel plated.

Complete Outfit Consists of:

- No. 18 6½x14” Metal Pioneer Snare Drum: $25.00
- No. 334 Snare Drum Stand: $3.50
- No. 171 14x26” Artist’s Model Bass Drum: $34.50
- No. 328 Floor Tom: $6.00
- No. 360 4x10” Tom Tom: $4.00
- No. 375 Cow Bell and Wood Block Holder: $1.50
- No. 402 Wood Block: $1.00
- No. 565 B-25 Cow Bell: $9.00
- No. 564 B-24 Cow Bell: $1.00
- No. 470 Cymbal Holder: $1.75
- No. 328, 12” Turkish Type Stanpole Cymbal: $5.75
- No. 670 Bass Drum Muffler: $1.75
- No. 630 Jazz Sticks: $0.60
- No. 3-A Hickory Sticks: $0.45
- Instruction Book: $0.60

TOTAL VALUE: $89.80

No. 1173D—Ludwig Marvel Drum Outfit, as illustrated and described, with Jet Black lacquer finish and nickel plated fittings and accessories: $86.50

No. 1173D—Same outfit, but with White lacquer finish: $86.50

Ludwig Universal Drum Outfit

An excellent outfit, smaller than a professional outfit, with everything that is needed for home or school playing, or small playing jobs. Metal fittings and accessories heavily nickel plated.

Complete Outfit Consists of:

- No. 1.2, 5x14” Metal Universal Snare Drum: $19.50
- No. 330 Snare Drum Stand: $2.50
- No. 169, 12x24” Artist’s Model Bass Drum: $29.00
- No. 316 Pedal: $6.00
- No. 328 Spurs: $6.00
- No. 470 Cymbal Holder: $1.75
- No. 927, 11” Turkish Type Stanpole Cymbal: $5.00
- No. 453 Cow Bell and Wood Block Holder: $1.50
- No. 462 Wood Block: $1.00
- No. 564 B-24 Cow Bell: $1.00
- No. 565 B-25 Cow Bell: $0.90
- No. 3-A Hickory Sticks: $0.45
- Instruction Book: $0.60

TOTAL VALUE: $69.20

No. 1174D—Ludwig Universal Drum Outfit, as illustrated and described, with nickel plated fittings and accessories: $66.50

Ludwig Junior Drum Outfit

A fine, substantial and practical outfit for the young drum enthusiast from seven to twelve years of age. Will give any child an excellent start in his musical education.

Complete Outfit Consists of:

- No. 4315, 3½x12” Juvenile Snare Drum, Maple Shell and Maple Counter Hoops: $7.00
- No. 330 Snare Drum Stand: $2.50
- No. 4024, 8x22” Universal Bass Drum, Maple Shell and Maple Counter Hoops: $20.00
- No. 316 Pedal: $6.02
- No. 328 Spurs: $0.60
- No. 418 Juvenile Cymbal Holder: $0.75
- No. 417 Cymbal Suspenders: $0.25
- No. 956 Two-Tone Wood Block and Two-Tone Wood Block Holder: $2.50
- No. 585, 1-A Hickory Drum Sticks: $0.45
- Instruction Book: $0.60

TOTAL VALUE: $42.80

No. 1167H—Ludwig Junior Drum Outfit, as illustrated and described, with nickel plated fittings and accessories: $40.00

Page 16
LUDWIG
Tunable
Tom Toms

New “Streamlined” Models
Full Self-Aligning Rods
Metal or Wood Counter Hoops
Single or Separate Tension
Calfskin or Pigskin Heads
Internal Tone Controls

Sensational new models now made in four sizes—
7” x 11”, 9” x 13”, 12” x 14”, and 14” x 16”. All sizes have
finest laminated shells, key tension self-aligning
rods, and streamline tension cases. Single tension
models have one internal tone control; separate tension
models have two—one for each head. Choice of
calfskin or genuine pigskin heads (painted white for
enhanced appearance and greater durability), and
metal or wood counter hoops. Specify metal or
wood counter hoops and pigskin or calf skin heads
when ordering. Heavy calfskin heads and metal
counter hoops supplied unless otherwise specified.

All-Angle Tunable
Tom-Tom Holder

Adjustable to any desired position.
A strong and serviceable holder, made
of cast steel. Has two ratchets permit-
ting any desired adjustment. Guaranteed
not to slip, turn, or shear. Can be
used on either right or left side of drum.
Clamps solidly to bass drum hoop with
improved Ludwig Hold-Tite clamp.
Holder is bolted to tom-tom. Withstands
the most severe use. Holds any size
tunable tom-tom.

No. 976 — Tunable Tom-Tom Holder, Nickel .................................. $3.50
No. 976K — Same, Chromium plated ............................................ 5.45

Folding, adjustable floor stand as illustrated: No. 983—Nickel, $4.00; No. 983K—Chromium, $6.00

LUDWIG NON-TUNABLE TOM-TOMS

Ludwig Tom-Toms are made with finest three-ply laminated wood shells
(except 4"x10" size, which has solid wood shell) and have genuine heavy
pigskin heads, well tacked and securely mounted (4"x10" size with
strong tacks; three larger sizes by chrome inlaid strips and tacks). Shell
has reinforcement block on inside at spot where holder should be attach-
ed. Both heads are decorated with a colorful Chinese dragon design,
and lacquered for utmost durability. Shells are durably finished in beau-
tiful red lacquer. Available also in choice of lacquer colors with heads
painted white.

PRICES

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<td>Choice of any Multi-Color on shell and pigskin heads painted white (no dragon design). Any model EXTRA ...............</td>
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</table>

Page 17
LUDWIG
SUPER-SPEED PEDAL

Beater shaft revolves on self-aligning, oil-packed ball-bearings.
Balanced action foot-board permits easy action without strain and resulting fatigue. Compression spring prevents dirt, dust, and grime from impairing the action.
Rocker bearing spring aids the ease and smoothness of the pedal's action.
Spring tensioning adjustment and lock permits adjustment to suit individual.
Bass Drum Beater Holder adjustable for direct center or off-center bass drum beats.
Entire pedal folds compactly in small space and is quickly set up or knocked down.

The World's Fastest, Easiest Working Pedal

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 bit of strain and the resulting fatigue.

The Super-Speed Pedal is a ball-bearing pedal throughout. The beater shaft revolves on ball-bearings 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 without detracting from the sturdiness of the pedal. 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 by merely turning a screw and locked in that adjustment with a lock-nut.

No. 309—Pedal only in Nickel without Spurs or Cymbal Holder . $15.00
No. 309K—Same, but in Chromium ................................ 20.00

Alternating Model
Same as above, but with Alternating Cymbal Striker which permits throwing cymbal on or off instantly at any point in the travel of the foot-board without losing a beat.

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

LUDWIG SPEED PEDAL
Made in Two Models

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-cut, modern styling of this new pedal, too.

With Speed Bearings

The Speed-Bearing model is naturally the faster, smoother and easier 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

With Plain Bearings

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

No. 326—Plain Bearing Pedal. Same as No. 327, but without Speed-Bearings ........... $10.00
LUDWIG Pedals Spurs and Cymbal Holders

The Ludwig Original Foot Pedal

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 at 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 bass 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.

No. 310 — Pedal in Nickel without Spurs or Cymbal Holder ........... $ 8.40
No. 310K—Same, but in Chromium ............................................. 12.60
No. 312 — Pedal in Nickel with Spurs and Cymbal Holder .......... 10.00
No. 312K—Same, but in Chromium ............................................. 15.00

Spurs and Cymbal Holders

No. 321 — Cymbal Holder. Strong, rigid, adjustable. In Nickel ........... $ .60
No. 321K—Same, in Chromium ...................................................... .90
No. 324 — Drum Spurs of cast steel with sharp point and non-marring swivel clamp. Strong and practical. In Nickel, per pair ...................... .75
No. 324K—Same, in Chromium ...................................................... 1.10
No. 328 — Drum Spurs. Light, durable, convenient and inexpensive. In Nickel, per pair ...................... .60
No. 328K—Same, in Chromium ...................................................... .90

Ludwig Giant Adjustable Spurs

You don't have to remove these Spurs when you pack your drum. Simply loosen the adjustment screw and slide the Spurs up out of the way. Saves time and effort, and loss is reduced to a minimum. Use rubber tip ends for tile, concrete, or waxed floors.

No. 322 — New Improved Giant Spurs. Fasten higher up on the drum shell. Prevent sideway or tipping of drum when heavy traps are used, such as temple blocks, Tom-Toms, etc. Reversible metal and rubber tips. Nickel plated. Length 9 ¾”. Per pair .......... $2.50
No. 322K—Same, in Chromium ...................................................... 3.75

The Ludwig Junior Foot Pedal

The Ludwig Junior Pedal illustrated above is a dandy for the drummer who does jobbing work 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 belie its economy of cost. The pedal clamps to the bass drum hoop firmly and securely without marring the 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 striker are adjustable for bass drum and cymbal tone to meet your particular needs or preference. The pedal is carefully finished and presents a good appearance.

No. 316—Pedal only in Nickel, without Spurs or Cymbal Holder .. $6.00
No. 314—Pedal in Nickel, including Spurs and Cymbal Holder .... 7.00

Giant Bass Drum Spurs

New non-adjustable Spurs made longer so that they fasten higher up on the bass drum shell and prevent sideway or tipping of drum when heavy traps are used. Ludwig Hold-Tite clamp fastens securely to counter hoop. Will not mar finish.

No. 313 — Giant Bass Drum Spurs. Nickel plated. Per pair ............... $1.50
No. 313K—Same, Chromium plated. Per pair ...................... 2.25
Turkish and Ludwig Make Cymbals

Zenjian Cymbals
(100% Turkish Type Cymbals)

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—10” thin feature rhythm cymbal ..... $7.50
No. 436—11” thin—high pitch—cymbal ..... 8.00
No. 466—12” thin—medium or heavy ..... 9.50
No. 467—13” thin—medium or heavy ..... 12.00
No. 468—14” thin—medium or heavy ..... 14.50
No. 469—15” medium or heavy ..... 17.25
No. 460—16” medium or heavy ..... 19.50

Deep Cup Zenjian

This is an extremely thin, light, deep cup cymbal used for fast crash and sock work. Has a penetrating “squashy” ring that is plenty hot for modern cymbal socking. You need one of these in your work. Made in one size and weight only.

No. 411—10” Deep Cup ZENJIAN ..... $9.25

Extra Deep Cup Sock Cymbal

An extra deep, squasy and hollow cymbal tone is produced with this 10” cymbal which has an 8” cup. Use in pairs inverted for choke effects.

No. 479—10” Brass, Each ..... $1.50
No. 479K—10” Chromium, Each ..... 3.50

Chinese “Splash” Cymbal

A 13” Chinese cymbal with 12 loose “rocking” rivets. Gives unusual effects with either light or heavy blow. A necessity for modern swingsters!

No. 444—Chinese “Splash” Cymbal ..... $4.50

K. Zildjian Turkish Cymbals

No other cymbals equal K. Zildjian for far-carrying resonance and crashing brilliance of tone. The cymbals listed here are ALL genuine K. Zildjians, made according to the famous K. Zildjian secret formula, and ALL are genuine Constantinople make.

Paper-Thin Grade

High pitched, extra thin cymbals. Ideal for choke cymbals and “hot” work.

No. 779—10” DEEP CUP, Each ..... $10.00
No. 780—10” inch. Each ..... 10.00
No. 781—11” inch. Each ..... 11.25
No. 782—12” inch. Each ..... 12.50
No. 783—13” inch. Each ..... 15.00

Crash Cymbals

Medium thin, balanced cymbals with big, instantaneous crashing tone. The supreme Crash Cymbals.

No. 785—11” inch. Each ..... $11.25
No. 786—12” inch. Each ..... 12.50
No. 787—13” inch. Each ..... 15.00
No. 788—14” inch. Each ..... 17.50
No. 789—15” inch. Each ..... 20.00
No. 790—16” inch. Each ..... 22.50

Band and Drum Corps Cymbals

Heavily matched pairs with tone of dominating brilliance, for Bands and Drum Corps.

No. 792—13” inch. Per pair ..... $30.00
No. 793—14” inch. Per pair ..... 35.00
No. 794—15” inch. Per pair ..... 40.00
No. 795—16” inch. Per pair ..... 45.00

Sizzle Cymbals

Wide usage has made this one of the standard cymbals 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.

No. 425—Ludwig Sizzle Cymbal ..... $2.50
No. 606—Notched Sticks for Sizzle Cymbals, (shown on page 29). Per pair ..... .50

All Cymbal prices subject to market change.

Stanople Cymbals

These are fine quality, Turkish-type cymbals that are surpassed only by the genuine Zenjian cymbals in tone, “sting” and vibrato. They are specially selected by us so you 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. 925—10” Deep Cup for fast crash and “Hot-sock” effects. Each ..... $5.75
No. 926—10” Thin only ..... 4.50
No. 927—11” Thin only ..... 5.00
No. 928—12” Thin, medium or heavy ..... 5.75
No. 929—13” Thin, medium or heavy ..... 7.75
No. 930—14” Thin, medium or heavy ..... 9.75
No. 931—15” Medium or heavy ..... 11.50
No. 932—16” Medium or heavy ..... 12.50

Ludwig Made 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.

Brass

No. 428—Size, 7”, Each ..... $0.50
No. 427—Size, 8”, Each ..... 0.75
No. 428—Size, 9”, Each ..... 1.15
No. 432—Size, 11”, Each ..... 1.65
No. 433—Size, 12”, Each ..... 1.90
No. 434—Size, 13”, Each ..... 2.40

Nickel Silver

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

No. 443—Size, 13”, Each ..... $4.00

Deep Cup Brass

Spun from heavy American brass. Excellent, and recommended for choke effects and choke mountings. Noted for their splendid tone qualities.

No. 410—10” Deep Cup ..... $1.25
Ludwig Cymbal Holders and Cymbal Seats

Universal Adjustable Cymbal Holders

Place this cymbal holder anywhere on the bass drum hoop—left or right. It clamps instantly and securely with the Ludwig Hold-Tite Clamp. The countersunk star ratchet adjustment enables you to keep the cymbal upright regardless of the position of the holder. Completely adjustable as to angle, height, and distance. Cymbal can be swung in a full circle to any position desired and held securely. Fitted with new Ludwig Rubber Cymbal Seat to permit free vibration. Overall height, 21¼”.

- No. 469—Universal Adjustable Cymbal Holder, Nickel $2.00
- No. 469K—Same, Chromium plated 3.00

No. 452—The same as above, EXCEPTING the adjustable clamp is supplied with a STRAIGHT rod, thirty-two inches long, including rubber cymbal seat. This is becoming more popular, and now in demand by “Swing” men who want to mount their rods extremely low on the bass drum, and yet place the cymbals high enough for easy reach and playing. ALSO used to bend into special angles as per the individual drummer’s needs. Nickel 2.25
- No. 452K—Same, Chromium plated 3.25

New Rubber Cymbal Seat

A new Ludwig & Ludwig, Inc., creation, so revolutionary in construction, so simple, and so good that it is truly the sensation of the drum world. Made entirely of rubber. Slips onto end of any Ludwig cymbal holder rod. Rubber collar slips over top of cymbal, as shown in illustration to the right, and absolutely prevents cymbal from coming off. Cymbal seat may be kept on when packing.

This new rubber cymbal seat IMPROVES THE TONE, because the cymbal “floats” or “rocks” freely without any felt or dampening material against the cymbal. Thus good cymbals sound even better, and the tone of poor cymbals is actually improved!

IT IS NOISELESS! Not a chance for metallic rattle or contact! It is inexpensive. It is practical. It is the finest adapter or holder ever created! A necessity for every widescreen drummer!

- No. 478—Ludwig Rubber Cymbal Seat. Each $0.40

New Countersunk “Star” Ratchet

A stellar feature of all Ludwig angle adjustment cymbal and tom-tom holders for bass drum hoop, or trap rack. Power-punched toothed edges of two parts mesh together and are guaranteed not to slip, turn, or shear, under the severest usage.

- No. 451—Cymbal holder with Rubber Cymbal Seat. Nickel plated. Each $1.75
- No. 451K—Same, Chromium plated. Each 2.50
- No. 470—Similar to No. 451, but upright rod is only 12” high. Complete with Cymbal Adapter. No. 471. Nickel plated. Each 1.75
- No. 470K—Same, Chromium plated. Each 2.50

Choke Cymbal Holder for Trap Table

The ideal choke cymbal holder for trap table or console. Use one 12” Chinese cymbal and one 8” American brass cymbal for best effects. Leave cymbals fairly loose for “sizzle” effects; or screw them tight for “washboiler” effects.

- No. 960—Nickel plated. Each $3.50
- No. 960K—Chromium plated. Each 1.50

Recommended Cymbals for Above Holder

- No. 442—12” Chinese cymbal. Each $3.50
- No. 427—8” American brass cymbal. Each .75

Choke Cymbal Holder for Bass Drum

Fasts to bass drum hoop with Ludwig Hold-Tite Clamp. Adjustable for “sizzle” effects or deep, hollow, “squash” tones. Ideal for stick work on brass cymbals.

- No. 961—Nickel plated. Each $1.10
- No. 961K—Chromium plated. Each 1.85

Recommended Cymbals for Above Holder

- No. 428—7” American brass cymbals. Each $0.50 (Two cymbals needed for holder.)

Cymbal Tip Adapter

Compactly made with rubber shoulder and felt washer so that no metal touches the cymbal. Has a countersunk hole so that it slips over top of rod and cannot fall off. Adapter remains on cymbal when packed.

- No. 471—Cymbal Tip Adapter, Nickel plated. Each $0.40
- No. 471K—Same, Chromium plated. Each .60

Page 21
The Sensational New

No. 943  $10.00
Nickel

Two inches higher
Washers cushion cymbals
20-inch leg spread
Easy to set up or take down

A HI-SOCK pedal is almost a necessity in every drum outfit. The professional drummer has developed a cymbal smacking technique on the HI-SOCK pedal that amazes the drummers of the past generation.

We offer a Hi-Sock pedal that is FASTER and SMOOTHER than anything else on the market. After many tests and trials, drummers determined that it was to be TWO INCHES higher, to make the tip cymbals easier to reach and to play fastashing cymbal rhythms. Two inches meant a lot to the professional drummer. Now he can use his right hand OVER the left hand to strike the HI-SOCK cymbals, (heretofore he was cramped by playing UNDER the left hand).

New Ludwig Cymbal Stand

With Rubber Cymbal Seat

If you want a cymbal handy for fast "hot licks" here's the solution—the new Ludwig Cymbal Stand equipped with the new Rubber Cymbal Seat. Sturdy drum stand base assures solidity, while the adjustable upright rod enables you to place the cymbal at the height most convenient for you. A necessity for the modern swinger. Price DOES NOT include cymbal.

No. 982—8”, each  $3.50
No. 459—12”, each  4.00
No. 454—14”, each  4.75
No. 460—16”, each  5.50
No. 461—18”, each  8.75
No. 461½—20”, each  11.00

Chinese Cymbals

Handhammered, finely tempered, and of good quality. These cymbals are especially desirable because of their brilliant "crash" tone, whispering and peculiar sound which you often hear.

No. 982—8”, each  $2.00
No. 409—10”, each  2.75

"Greeko" Cymbals

"Greeko" Cymbals are tuned in pairs, fasten to the counter hoop of the bass drum and are played with the tips of the sticks in soft strums. Their pleasant tinkling tone is particularly desirable in after-beat rhythms. Complete with nickel plated holders.

No. 986—"Greeko" Cymbals, per pr.  $2.25
No. 986K—Same, Chromium plated holders  3.25

Ludwig Hi-Sock Pedal

No. 943K  $15.00
Chrome

Faster, easier spring action
Splits for packing
Pedal type footboard
Weighs only 4 lbs., 12 oz.

Special bearings in the shaft, exacting specifications as to fit and sizing of rods and bearings, finer springs, and more direct coupling of the foot-board make for EASIER PEDALING, and especially FASTER PEDALING, without a semblance of TIRING the foot. A standard type pedal foot-board makes it feel more comfortable to the foot, and accessible to the foot AT ANY ANGLE.

Packs simply and compactly. The base is absolutely secure, and has less tendency to creep. Two thin, medium size cymbals are recommended for use with the HI-SOCK Pedal.

No. 943—Ludwig Hi-Sock Pedal. Nickel plated  $10.00
No. 943K—Same, Chromium plated  15.00

Drummer’s Throne

The perfect chair for drummers! Strong, rigid, adjustable to any desired height. Seat revolves for easy manipulation of traps and other instruments. Folds for convenience in carrying. Also recommended for pianists, accordions, and string bass players. Available with or without back rest.

No. 954—Drummer’s Throne, without back rest. Nickel plated  $12.00
No. 954K—Same, Chromium plated  18.00
Back Rest, additional  1.00

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  $9.00
No. 455½—16” diameter  12.00
No. 456—18” diameter  17.50
No. 457—20” diameter  22.50
No. 458—23” diameter  27.50

Chinese Gong Stands

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.

No. 989—Chinese Gong Stand $15.00

Note: Give size of gong when ordering Gong Stand.
The New Ludwig

UNIVERSAL TRAP RACK

- Made of strong channel steel
- Holds great variety of traps
- Permits easier, faster execution
- Mounts solidly on bass drum

Here's the world's finest, most convenient, and most compact trap rack! It is strongly made of channel steel curved to hug the bass drum shell. Four sturdy steel arms have rubber cushions which rest on the bass drum, and Ludwig Hold-Tite clamps to fasten the trap rack securely and rigidly to the counter hoop.

There's no wiggle or wobble to the Ludwig Universal Trap Rack! It holds a multitude of traps with everything in easy reach for fast and rapid execution. You've never seen anything like it, and once you've tried it you'll agree that it is "tops" in sturdiness, convenience, and compactness—not to mention its very moderate price.

NOTE: Trap holders designed to fasten on bass drum counter hoop WILL NOT HOLD ON the Universal Trap Rack. You must use the special holders listed below. Prices of holders DO NOT include cymbals, wood block, cow bells, temple blocks, or tom-toms.

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<th>Item</th>
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<td>Same, Chromium plated</td>
<td>$11.00</td>
</tr>
<tr>
<td>No. 1107</td>
<td>Cymbal holder for Universal Trap Rack, complete with rubber cymbal seat. Nickel plated. (Two needed to support temple block rack, No. 1105.)</td>
<td>$2.00</td>
</tr>
<tr>
<td>No. 1107K</td>
<td>Same, Chromium plated</td>
<td>$3.00</td>
</tr>
<tr>
<td>No. 1107</td>
<td>Cymbal holder for Universal Trap Rack. Has STRAIGHT rod, 32&quot; long, which can be used straight or bent to any desired angle. Equipped with new rubber cymbal seat. Nickel plated</td>
<td>$2.25</td>
</tr>
<tr>
<td>No. 1107K</td>
<td>Same, Chromium plated</td>
<td>$3.25</td>
</tr>
<tr>
<td>No. 1110</td>
<td>Combination cow bell and wood block holder for Universal Trap Rack. Nickel plated</td>
<td>$1.75</td>
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<tr>
<td>No. 1110K</td>
<td>Same, Chromium plated</td>
<td>$2.75</td>
</tr>
<tr>
<td>No. 1108</td>
<td>Combination holder for two wood blocks and two cow bells. (See illustration of No. 450, on page 25). Nickel plated</td>
<td>$2.25</td>
</tr>
<tr>
<td>No. 1108K</td>
<td>Same, Chromium plated</td>
<td>$3.25</td>
</tr>
<tr>
<td>No. 1103</td>
<td>Chinese type tom-tom holder for Universal Trap Rack. Nickel plated</td>
<td>$1.50</td>
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<tr>
<td>No. 1103K</td>
<td>Same, Chromium plated</td>
<td>$2.25</td>
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<tr>
<td>No. 1104</td>
<td>Tunable tom-tom holder for Universal Trap Rack. Nickel plated</td>
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<td>No. 1104K</td>
<td>Same, Chromium plated</td>
<td>$5.25</td>
</tr>
<tr>
<td>No. 1105</td>
<td>Temple block rack (fastens to two No. 1101 cymbal holders as shown in the illustrations. Cymbal holders are NOT included). Nickel plated</td>
<td>$3.50</td>
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<tr>
<td>No. 1105K</td>
<td>Same, Chromium plated</td>
<td>$5.25</td>
</tr>
<tr>
<td>No. 1106</td>
<td>Temple block rack COMPLETE WITH POST MOUNTING to fasten directly to Universal Trap Rack when cymbal holders (No. 1101) are NOT used. Nickel plated</td>
<td>$5.50</td>
</tr>
<tr>
<td>No. 1106K</td>
<td>Same, Chromium plated</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

NOTE: The Universal Trap Rack is curved to fit 28" shell bass drums. Available for other size bass drums on special order.

Rear view of Universal Trap Rack with same holders illustrated in large photo above. Note the compact grouping of traps for accessibility and convenience. All holders have special clamps which fasten securely and solidly to Trap Rack. They will not twist or turn.
NEW WHEELWAY TRAP CONSOLE

The newest and finest trap console! Holds all the traps any drummer will ever need—all in one compact unit for utmost accessibility! Constructed of finest steel and aluminum castings for light weight and lasting service. Weighs only 30 lbs. Non-marring clamps fasten to bass drum front and rear holding it securely. Special designed arms for snare drum and Tom-

Toms permit any desired adjustment for height or position. Equipped with four rubber composition wheels so the entire outfit can be moved easily and quickly. Brakes on two front wheels lock the console firmly in place. The entire console can be set up or dismantled in a few minutes. Packs into a small space for transporting. Large felt covered trap board will hold a multitude of small traps.

No. 1500 — Wheelaway Trap Console as illustrated without attachments. Nickel plated parts ...... $43.50
No. 1500K — Same, Chromium plated parts. 55.00
No. 1501 — Tom-Tom holder arm complete for two Tom-Toms. Nickel plated ...... 8.50
No. 1501K — Same, Chromium plated ...... 10.00
No. 1502 — Snare drum holder arm. Nickel plated .......... 7.00
No. 1502K — Same, Chromium plated ...... 8.50
No. 1503 — Front cymbal arm complete with Tip Adapter. Nickel plated ...... 1.40
No. 1503K — Same, Chromium plated ....... 2.25

NEW 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 with non-marring Hold-Tite clamp to bass drum shell and is supported by a felt padded wood block that rests on the drum shell. Very convenient. Adjustable.

No. 1013 — Ludwig Trap Board ....... $3.50

BASS DRUM TEMPLE BLOCK RACK

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

No. 994 — As shown, in Nickel ...... $5.50
No. 994K — Same, but in Chromium ....... 7.50

COMMERCIAL TEMPLE BLOCKS

These are the very finest imported, specially selected deep toned Korean Temple Blocks on the market today. 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. Ludwig trade marked.

No. 998—1—61/2” Size ...... $ 6.00
No. 998—2—6” Size ...... 5.00
No. 998—3—51/2” Size ...... 4.00
No. 998—4—5” Size ...... 3.50
No. 998—5—41/2” Size ...... 2.50
No. 998—Complete set of five ...... 18.00
Finished in any other combination of three lacquer colors, per set ...... $4.00 Extra

SINGLE TEMPLE BLOCK HOLDER

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

No. 996 — Temple Block Holder, Nickel ....... $1.25
No. 996K — Same, but in Chromium ....... 1.50
No. 995 — Temple Block Clamp only ...... 75

TRAP TABLE

The Ludwig Trap Table offers the modern swing-stater every convenience for a variety of cymbal mountings and trap arrangements. The back and front cymbal arms are now made larger and more extended for modern swing drumming, and with the new tip adapters assure you of free cymbal swing and full tone. The tip adapters remain on the cymbals for easy packing.

The temple block rack fits on the cymbal arms and is adjustable for height. Temple blocks are held by wing nuts with felt washers to protect the finish.

No. 1004 — Table only (without Temple Block Rack, Cymbal Holders, or Blocks) ....... $7.50
No. 997 — Temple Block Rack only (for Trap Table) with 2 rear Cymbal Arms that act as supports for Rock, including Cymbal Adapters, Nickel ....... 5.00
No. 997K — Same, but Chromium ....... 7.25
No. 1003 — Short front Cymbal Arm, including Cymbal Adapter, Nickel ....... 1.00
No. 1003K — Same, but Chromium, each ....... 1.50
No. 1002 — Long rear Cymbal Arm, including Cymbal Adapter, each ....... 1.00
No. 1002K — Same, but Chromium, each ....... 1.50
Hold-Tite Post Adapter

Fastens to bass drum hoop easily and quickly with a half turn of the thumb screw. Will not mar finish. Can be used for a great variety of traps.

Specify short, medium, or long post

No. 473 — Hold-Tite Post Adapter, Nickel $0.75
No. 473K — Same, Chromium plated 1.25
No. 565 — U-Shaped clamp with screw for mounting cow bell or other traps on Post Adapter. Nickel .15
No. 565K — Same, Chromium plated .25

New Cow Bell Holder

Holds one to four cow bells. Fastens to bass drum hoop with non-marring Ludwig Hold-Tite clamp.

No. 648 — Cow Bell Holder with FOUR arms (as illustrated), Nickel $2.20
No. 646K — Same, Chromium plated 3.30
No. 645 — Cow Bell Holder with ONE arm, Nickel 1.00
No. 645K — Same, Chromium plated 1.50
No. 647 — Extra arms, Nickel .30
No. 647K — Same, Chromium plated .45
(Prices DO NOT include cow bells)

Cow Bells

No. 821 — Cow Bell, 7 1/4"-"C" natural $1.60
No. 823 — Cow Bell, 6 1/4"-"E" natural 1.20
No. B24 — Cow Bell, 4 1/4"-"G" natural 1.00
No. B25 — Cow Bell, 3 1/4"-"C" natural .90

Combination Holder for Single Wood Block and Two Cow Bells

Holds any size wood block (adjustable holder) and two cow bells of any size. Fastens securely to bass drum hoop with non-marring Ludwig Hold-Tite clamp. The best holder for fast cow bell—wood block work.

No. 453 — Single Wood Block and Cow Bell Holder, Nickel $1.50
No. 453K — Same, Chromium plated 2.25
(Prices DO NOT include wood blocks or cow bells)

Combination Holder for Two Wood Blocks and Cow Bells

Holds any two wood blocks—large or small—with adjustable holders, and two cow bells. Fastens securely to bass drum hoop with non-marring Ludwig Hold-Tite clamp.

No. 450 — Double Wood Block and Cow Bell Holder, Nickel $2.25
No. 450K — Same, Chromium plated 3.25
(Prices DO NOT include wood blocks or cow bells)

Pressurized Bass Drum Mufflers

This new bass drum muffler has the pressure adjustment screw by which the bass drum tone can be regulated to just the desired degree with a simple twist or two of the wrist. The two 3" 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 nickelted 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 Mufflers

Same as No. 668 described above, but DOES NOT have the pressure adjustment screw.

No. 670 — Nickel $1.75
No. 670K — Chromium 2.40
LUDWIG DRUM STANDS

Master Stand
The Master snare drum stand has deep rubber-cushioned arms that protect the plating on the hoops of the drum. New heavier, stronger center castings in the top unit. Adjustable for 14", 15" and 16" diameter drums. Also adjustable for height and for playing angle. Strong, solid, rigid and durable. Equipped with rubber feet to prevent slipping. Folds compactly. Heavily nickel plated.
No. 336 — Master Snare Drum Stand $6.50
No. 335K—Same, Chromium plated 9.50

Professional Stand
One of the most popular of all snare drum stands, destined for greater popularity due to its new stronger, sturdier design. New heavier center castings in the top unit finished in black baked enamel. Balance of stand heavily nickel plated. Fully adjustable for any diameter drum, for height, and for playing angle.
No. 331 — Professional Stand, Nickel $5.00
No. 331K—Same, in Chromium 7.00

New Bass Drum Stand
Constructed of welded steel tubing with rubber capped feet to prevent slipping. Supports are heavily felt padded. Web straps hold the drum securely. Equipped with adjustment set-screws. Folds compactly and will hold the largest type concert bass drum. Weight, ten pounds. Frame is in black enamelled finish.
No. 350—Ludwig Bass Drum Stand with two web straps $10.50

Heavy Model Stand
No. 332—Heavy Model Stand $5.00

Junior Stand
A slightly smaller, lighter weight stand than the professional models, but known for its strength and rigidness at the same time. Adjustable for height and playing angle, and takes little room when folded. For 13" and 14" drums. Nickel finish only.
No. 334—Junior Stand $3.50

Juvenile Stand
The lightest and smallest drum stand in the line but strong, durable, and very well made. For small, juvenile orchestra snare drums.
No. 330—Juvenile Stand (not illustrated), in Nickel only $2.50

New Practice Pad
Sturdy red lacquered hardwood base with gum rubber pad giving proper rebound to sticks, but eliminating all noise. Inclined to the correct angle for playing. Will not "creep" under heaviest playing. A necessity for every drummer—student or professional.
No. 730—Silent Practice Pad. Each $1.50

Silent Practice Pad
No. 755—Rubber Pad for silent practice. Ideal in every way for teacher or pupil. Set at the right angle and will not creep or wobble $2.75

Gut Snares
Highest quality gut, hard and smooth. 12 snares to a set, each set mounted on a composition butt.
No. 701—For Orchestras, set of 12 $2.50
No. 707—For Band, set of 12 2.75

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. 702½—for Drum Corps 1.00

Drum Keys
Standard steel key for all key tension snare and bass drums. Nickel plated.
No. 755—Ludwig Drum Key each $0.20
Super-Ludwig key with folding screwdriver for adjusting individual snares on Super-Ludwig drums.
No. 753—Super-Ludwig Key, Nickel, each $0.35

Ludwig Snappi-Snares
Improve the tone and response of the drum. Each snare is separate and all lie flat against the head. Will not cut or injure the head. Patent spring butt attachment pushes snares away from head when drum is muffled with throw off strainer. Can be used on any snare drum. 12 snares to the set. Specify size when ordering.
No. 703—for 14" diameter drum, set $2.00
No. 704—for 15" diameter drum, set 2.00
No. 705—for 16" diameter drum, set 2.00

(See page 4 for Super-Ludwig Snares.)
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 calf skin heads.

No. 483—8" diameter with 7 pair jingles .................................. $2.50
No. 482—10" diameter with 9 pair jingles .................................. 3.00
No. 484—10" diameter with a double row of 17 pair jingles ............ 3.50

Rosewood Claves

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

No. 953—Claves, per pair ........................................... $1.25

School Tambourine

No. 4489—An excellent low priced Tambourine designed for Rhythm Band and school work. Diameter is 7" and has 6 pairs jingles. Bright red lacquered rim. Calfskin head ........................................... $1.00

Ludwig Maracas

Ludwig Maracas have the tone of the genuine Cuban maracas, are many times more durable, but cost substantially less. A standard trap for rumbas, Spanish rhythms and tangos. Balls are moulded composition and weighted with "shot" for the proper sting and tone. Handles are made to fit the hand, and are lacquered a bright red. Correct weight and proper balance throughout. Handle can be removed and shot taken out, or added, to meet the individual's preference in tone, and weight. Length 11 inches. Sold only in pairs.

No. 952—Ludwig Maracas, per pair .................................. $2.50

Ludwig Castanets

Ludwig Castanets are made of a 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 orchestra 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.

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

Tuned Resonator Bells

No. 8401—Set of 8 bells. Key of C. Complete in box with instructors and 8 mallets ........................................... $12.50
No. 8405—Set of 8 bells. Key of D. Complete in box with instructor and 8 mallets ........................................... 12.50
No. 8406—Set of 8 bells. Key of E. Complete in box with instructor and 8 mallets ........................................... 12.50
No. 8402—Set of 20 bells. Chromatic from C to the second G above. Complete in case with instructor and 12 mallets ........................................... 27.50
No. 8403—Individual Ludwig Tuned Resonator Bell with mallet. State note, or notes wanted. Each ........................................... 1.50

Castanets on Handle

No. 480—Consist of a pair of Ludwig Castanets mounted on a hard rock Maple handle, ebonized and secured with a strong gut cord. Have the characteristic castanet tone. Ideal 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 Maple handle ebonized and secured with strong gut cord. Used in the same manner as the No. 480 Castanets on handle but give the double effect because of the two pairs of castanets. As illustrated and described, each .......... $1.75
New Studio Tuning Bar

Completely new in design and construction. Bar is 11" long and made of finest aluminum alloy to insure accurate, clear, sweet tone. Suspended by means of metal pins in rubber supports so there is nothing to deaden or dampen the tone. Tests have shown that this bar has 400% longer audibility than other types. It can be heard for a longer period and at a greater distance. Supplied with separate special mallet which permits a controlled blow—hard or soft as necessity requires. Resonator is of wood and has a recess in the top to hold the mallet when not in use. Equipped with felt bosses and a ring at the top so it can be used on the desk or hung on the wall. Overall dimensions are 3" wide, by 3 3/4" high by 11 1/2" long.

No. 8-240—Studio Tuning Bar. 1 1/2"x3/4" bar. A-440 pitch. Chromium plated .............................................$8.00
No. 8-241—Same, but Bb-466.2 Pitch ............................................. 8.00

Cuckoo Call

An excellent plunger-type wood whistle that can be tuned to key. Easy to master.
No. 5265—Cuckoo Call ............................................. $2.25

Sound Imitations

The Ludwig Sound Imitations listed below are realistic in effect and will give a life-time of genuine satisfaction and service. All metal imitations are heavily nickel plated.
No. 500—Ludwig Cow Bowl ............................................. $2.00
No. 501—Ludwig Rooster Crow ............................................. 1.75
No. 502—Ludwig Hen Cackle ............................................. 2.00
No. 503—Ludwig Baby Cry ............................................. 1.50
No. 505—Ludwig Duck Quack ............................................. 1.50
No. 494—Horse Hoof Imitation with composition slab. Per pair ............................................. 2.00
No. 552—Imitation Telegraph Key Sending Set. Each ............................................. .30
No. 5085—All-In-One Imitation. For hen cackle, baby cry, duck quack, rooster crow, and other imitations. Each ............................................. 2.00
No. 5215—3-Tone Wood Whistle ............................................. $3.60

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. 5215—3-Tone Wood Whistle ............................................. $3.60

Cyclone Whistles

Perfect mechanism. Loud blasts for cyclone, police and fire sirens; soft breath for gentle breezes.
No. 519—Regular Cyclone Whistle. Nickel $1.25

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 1/4"x4 1/2". Nickel plated and serviceable.
No. 515—3-Tone Metal Whistle ............................................. $3.50

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 1/2" long.
No. 5225—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 slide. 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.

The LUDWIG Song Whistle is professionally endorsed. Used by leading players in orchestras, radio studios, and sound recording. Tube and plunger are carefully sized, permitting easy, smooth, and rapid execution. Plunger is of self-oiled type that keeps barrel lubricated for years. Easy to keep clean and sanitary. To remove plunger, simply pull the handle with a quick jerk.
No. 973—Ludwig Song Whistle ............................................. $1.50

Sleigh Bells

Eleven bells riveted on a stout web strap. Bells are heavily nickel plated.
No. 490—Sleigh Bells ............................................. $2.50

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 ............................................. $0.80

Bird Whistle

A sturdy, reliable bird imitation with fine tone. Used with water, it is leakproof and rustproof.
No. 511—Bird Imitation, Nickel ............................................. $1.75
No. 4512—Economy Bird Whistle ............................................. .90
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 lustre. These models are always uniform so your favorite model can be ordered and re-ordered.

Approximate Weights of Models

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<th>Model</th>
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<tr>
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<tr>
<td>No. 589-2B</td>
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<td>No. 594-5B</td>
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<td>No. 587-1B</td>
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<tr>
<td>No. 595-3S</td>
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</table>

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

75c Per Pair

Ludwig BLUE END Hickory Sticks

For Band, Orchestra and Drum Corps

These are flashy, good looking sticks that you need to give your playing that little added touch that can be obtained in no other way—the Ludwing 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 lustre, 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. Each stick is imprinted with the Ludwing name, and each pair is individually packed. Choice of any model listed at right. Per pair 75c

Specialty Sticks

These sticks are used where quick change from drum to cymbals, temple blocks, wood blocks, and Tom-Toms does not permit a change of sticks. Ideal for soft rhythms, etc. Felt is finest quality. No. 606 are for Sizzle Cymbals shown on page 20.

No. 627—Two-In-One Sticks, per pair $1.00
No. 628—Three-In-One Sticks, per pair 1.50
No. 629—Felt Tip Sticks, per pair 1.25
No. 606—Sizzle Sticks, per pair .50

45c Per Pair

Special Colors to match Drum Corps Drums when Drum Corps Drums are being made (choice of models). Per pair $1.00

The Original Blue End Sticks

Model Numbers and Descriptions

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<tr>
<th>Model</th>
<th>Description</th>
<th>Weight</th>
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<td>Blue End sticks</td>
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</table>

See Illustrations of these models at top of page.

Rosewood Drum Sticks

(Illustrated extreme right at top of page)

No. 638—Ideal all around adult Drum Corps sticks of genuine Honduras Rosewood, which is heavier than hickory and more durable than snakewood. 17” long. Finely balanced, beautifully rubbed and highly finished, per pair $1.50

No. 639—Same as above, but a shorter, lighter model ideally suited to Junior Drum Corps, concert band and orchestra work. 15” long, per pair 1.50

Rudimental Practice Sticks

(Not Illustrated)

Especially designed for rudimental drum practice. Made of genuine second growth hickory in extra heavy model (average weight 6 1/2 oz. per pair), 17” long, for practicing on pads to limber up the wrists and to develop speed, power, and stick control.

No. 595—Rudimental Practice Model Hickory sticks (3S Model) per pair $0.45
Special Rubber Molded Handle Wire Brushes
For Rim Shots and Sock Effects

Modern swing rhythm demands wire brushes and these new Ludwig molded rubber handle wire brushes enable you to "swing out" to the fullest extent. A feature of this brush is the specially designed molded rubber handle with heavy flared edge at the brush end, and a formed flare and grip at the ball end. (Don't confuse this with a cheap piece of rubber tubing commonly slipped over the brush handle).

This heavy rubber molded handle, over the regular aluminum handle, gives you a full grip and the feel is akin to that of regular drum sticks. These brushes won't slip out of your hands! The heavier handle and rubber ball ends, too, enable you to get in plenty of "hot licks" on cymbals, wood block, cow bells, temple blocks, and tom toms. Handles will not soil the hands. Wires are the best thin gauge rustproof, piano-steel wire obtainable, securely fastened to a steel wire rod by which the wires are pulled into the telescope handles.

No. 604—Ludwig Rubber Handle Wire Brushes. Per pair $1.00

No. 600—With block lacquered wood handles and "fixed" wires, per pair $0.60
No. 599—With aluminum handles and "fixed" wires, per pair .75

"Fixed" Wire Synco-Jazz Brushes

Strong, durable, and correct in weight and design. Wires are finest quality, thin-gauge, rustproof piano-steel wire securely fastened in a "fixed" position to wood or aluminum handles.

Telescope Handle Synco-Jazz Brushes

These are the brushes originated and perfected by Ludwig. Wires are the best thin-gauge, rustproof piano-steel wire obtainable securely fastened to a steel wire rod by which the wires are pulled into the telescope handles.

No. 630—Aluminum handles and wire loop ends, per pair $0.60
No. 605—Nickel plated brass handles; ball ends, per pair .75

Ludwig Bass Drum Sticks

A good bass drum stick will improve the sound of the best bass drum mode. The Ludwig Bass Drum Sticks illustrated and listed here are hand-made of the finest materials obtainable. 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 drum tone. Hickory handles. Each $3.00
No. 576—Double End Concert Model. Lamb's wool ball for tremendous volume in large band work. Heads held by two metal retainers. Hickory handles in natural finish. Each 2.00
No. 577—Single End Model. Spanish felt ball held by two metal retainers. Hickory handles in natural finish. Used for great volume. Each 1.75

Ludwig Parade Model Bass Drum Sticks

The marching band and Drum Corps requires bass drum sticks other than the concert models shown to the left. 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. 633—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 "boom" tones. Each $2.00
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 blistering, and leather sling for full, easy swing. Used for solid, decisive blows. Each 3.00
Ludwig Tympani Sticks

All Ludwig Tympani Sticks are hand-made of select, close grained hickory, finest quality felt lamb’s wool, and are correctly balanced, properly weighted, and carefully assembled. Satisfaction is assured.

No. 517—Oscar Schwar. Removable disc ball. Per pair ............................................. $4.00
No. 578—Standard Model for general all around work. Per pair .................................. 2.75
No. 579—Jos. Zetelmann Model. Demountable heads. Per pair ........................................ 2.75
No. 559—Lamb’s wool. Good all around model. Per pair ................................................. 2.75
No. 518—Solid Felt. Per pair ...................................................... 1.75
No. 560—School model tympani sticks. Hickory handles, strong, correctly balanced, cores covered with fine quality Spanish felt. For general all-around work. Per pair .............. 2.00

The Importance of Using Proper Mallets

The bars of any mallet instrument usually represent about half the cost of the entire instrument, due to the great amount of time and labor required to insure proper tuning. So it is important that you use every care and precaution to avoid damaging the bars.

Metal bars (of Vibra-Celeste, Lu-Mellow Bells, and Bell-Lyra) can be “pounded” flat, or in some cases the bar can be fractured through using improper mallets. Don’t use brass or any kind of metal mallets on aluminum alloy bars. Yarn wound head mallets are best for the Vibra-Celeste, and special pyralin mallet for Lu-Mellow Bells or Bell-Lyra.

Vibra-Celeste, Bell and Xylophone Mallets

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. All handles are Rattan.

Metal Head
No. 8-737—Nickel plated Bronze Head, per pair ............................................................. $0.50
Raw Hide Head
No. 8-733—1/2” Oval, per pair ......................................................................................... $2.00
Soft Rubber Head
No. 8-723—1” Round, per pair ...................................................................................... 0.60
No. 8-723—1 1/2” Oval, per pair ..................................................................................... 0.50
No. 8-722—1 1/2” Round, per pair ................................................................................... 0.75

Half Hard Rubber Head
No. 8-710R—1” Round, per pair ...................................................................................... 0.80
No. 8-711R—1 1/4” Round, per pair .................................................................................. 0.75

Three-Quarter Hard Rubber Head
No. 8-728R—1” Round, per pair ...................................................................................... 0.80
No. 8-728R—1 1/4” Round, per pair .................................................................................. 0.75

Best-Tone Marimba Mallets

Felt has been specially treated to give easy instant response, better tone quality, and greater volume without forcing. Balls will retain their original shape indefinitely.

No. 8-702—1 1/4” ball. Best Tone felt mallets. Per pair ......................................................... $1.60
No. 8-703—1 1/4” ball. Best Tone felt mallets. Per pair ......................................................... 1.80
No. 8-704—1 1/2” ball. Best Tone felt mallets. Per pair ......................................................... 2.00

Seven-Eighths Hard Pyralin Head
No. 8-731R—1” Round, per pair ...................................................................................... 0.51.25
No. 8-730R—1 1/2” Round, per pair .................................................................................. 1.50

Hard Rubber Head
No. 8-726—1” Round, per pair ...................................................................................... 0.50
No. 8-725—1 1/2” Round, per pair ................................................................................... 1.00

Yarn Wound Head
No. 8-717R—1 1/4” head, per pair ................................................................................... 0.50
No. 8-716R—1 1/2” head, per pair ................................................................................... 2.00
No. 8-715R—1 3/4” head, per pair ................................................................................... 2.00
No. 8-714R—2” head, per pair .......................................................................................... 2.00

Orchestra Chimes Mallets

(Illustrated at extreme right)
No. 8-713—1” Rawhide Head, for 1” Orchestra Chimes. Hickory Handle. Each .......................... 2.25
No. 8-712—1 1/4” Rawhide Head, for 1 1/4” Orchestra Chimes. Hickory Handle. Each ........... 2.50

Regular Felt Mallets

No. 8-705—1 1/4” ball. Soft solid felt practice mallets. Flexible reed handles. Pair .................. 1.00
No. 8-706—1 1/2” ball. Hard Spanish felt Marimba mallets. Selected handles. Pair ............... 1.50
No. 8-707—1 1/4” ball. Soft solid felt Marimba mallets. Selected rattan handles. Pair ............ 1.75

New Vibe “Swing” Mallets

Especially designed for modern “swing” vibra-celeste playing. Correct weight and 1 1/4” yarn wound heads on felt covered hard rubber core enable you to get in fast “hot licks” easily and with full tone. Sturdy, flexible rattan handles. You can really “swing out” with these mallets!
No. 8-700—Ludwig Vibra-Celeste Mallets. Per pair $2.25
Ludwig Drum and Tom-Tom Cases

Hold-All Fibre Drum and Trap Case
Sturdy fibre case, strongly riveted, holds snare drum and a multitude of traps. Two leather straps and strong handles. Nickel plated hardware.

No. 390S—5”x14” shell ........................................ $15.00
No. 391S—6½”x14” shell ....................................... 15.00
No. 392S—6½”x15” shell ....................................... 15.00
No. 393S—7”x14” shell .......................................... 16.00
No. 394S—8”x14” shell .......................................... 17.00
No. 395S—8”x15” shell .......................................... 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. 270S—for 14” drum $9.00
No. 271S—for 15” drum 9.50
No. 280S—for 16” drum 10.00

Drum Cases Fibre Bass
Round telescope cases made of strong fibre adjustable for drums from 12” to 16” deep.

No. 296S—for 26” diameter bass drum ................................ $20.00
No. 297S—for 28” diameter bass drum ............................. 21.50
No. 298S—for 30” diameter bass drum ................................ 23.00
No. 299S—for 32” diameter bass drum ................................ 24.50
No. 300S—for 34” diameter bass drum ................................ 26.00

Fibre Drum and Tympani Head Protectors
Protects the heads when drum is not being used.

No. 354S—for 14” drum ......................................... $1.00
No. 355S—for 15” drum .......................................... 1.00
No. 356S—for 16” drum .......................................... 1.00
No. 357S—for 25” tympani ....................................... 1.50
No. 358S—for 28” tympani ....................................... 2.00

Double Compartment Case
This case will pack any size snare drum from 3”x14” to 8”x14” including Super-Ludwig models. Has two compartments for traps. Made of reinforced three-ply laminated board, flannel lined, with special lock and clasps. Black Kerotol covered with nickel plated hardware. Dimensions 24” long, 18” wide, 12” high. Will also hold Hi-Sock Pedal.

No. 277S—Case as illustrated and described ....................... $12.00

Square Fibre Orchestra Drum Case
(Practical for Super-Ludwig drums)
Strong square telescope case made of best vulcanized fibre. Leather strap and sturdy handle.

No. 386S—for 14” snare drum $6.00
No. 387S—for 15” snare drum 6.00
No. 388S—for 16” snare drum 6.00

Round Fibre Cases
For Snare Drums
(Will not fit Super-Ludwig drums)
A round fibre drum case that will not roll. Made of strong vulcanized fibre with genuine leather strap and quality handle.

No. 288S—for 14” snare drum .................................. $7.00
No. 289S—for 15” snare drum .................................. 7.00
No. 290S—for 16” snare drum .................................. 7.00

For Tom Toms

No. 70S—7”x11” .................................................. $7.00
No. 71S—9”x13” .................................................. 7.50
No. 72S—12”x14” .................................................. 8.00
No. 73S—14”x16” (New size) .................................. 8.50
No. 74S—16”x16” (Old size) .................................... 9.50

For Parade and Tenor Drums

No. 80S—10”x14” .................................................. $8.00
No. 81S—10”x15” .................................................. 9.00
No. 82S—12”x15” .................................................. 8.00
No. 83S—12”x16” .................................................. 9.00
No. 84S—12”x18” .................................................. 9.00
Mackintosh Covers for Drums and Tunable Tom Toms
Snap Button or Pull Slide Fasteners

Mackintosh covers are an absolute necessity for every drummer. They protect drums and tom toms from dirt, dust, and dampness. Made of extra heavy, flannel lined, waterproof Mackintosh, strongly sewed with reinforced seams. Available with either snap button or genuine Talon slide (zipper) fasteners. Covers with slide fasteners open and close in a jiffy—just zip the metal tab to open or close.

When ordering Mackintosh covers specify:
1—Actual size of drum shell
2—Model of drum for which cover is desired
3—Catalog number of cover, as listed below

With Snap Button Fasteners

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<thead>
<tr>
<th>For Snare Drums</th>
<th>For Bass Drums</th>
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<tr>
<td>No. 848—3½&quot;x13&quot; Junior drum</td>
<td>No. 802—8&quot;x22&quot;</td>
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<td>No. 853—5&quot;x14&quot; Standard, Universal, or Pioneer drum</td>
<td>No. 808—8&quot;x24&quot;</td>
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<td>No. 803—5½&quot;x14&quot; Super-Ludwig drum</td>
<td>No. 809—12&quot;x24&quot;</td>
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<tr>
<td>No. 837—6½&quot;x14&quot; Standard or Pioneer drum</td>
<td>No. 811—12&quot;x26&quot;</td>
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<tr>
<td>No. 805—6½&quot;x14&quot; Super-Ludwig drum</td>
<td>No. 812—14&quot;x26&quot;</td>
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<tr>
<td>No. 857—7&quot;x14&quot; Standard Swing drum</td>
<td>No. 815—14&quot;x28&quot;</td>
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<td>No. 878—8½&quot;x14&quot; Standard Swing drum</td>
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<td>No. 871—8&quot;x14&quot; Super-Ludwig Swing drum</td>
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<td>No. 898—6½&quot;x15&quot; Standard drum</td>
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<tr>
<td>No. 879—7&quot;x15&quot; Concert Band drum</td>
<td>No. 800—16&quot;x36&quot;</td>
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<td>No. 858—8&quot;x15&quot; Concert size drum</td>
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For Tunable Tom Toms

| No. 858—7"x11" | No. 855—12"x14" | $3.50 |
| No. 854—9"x13" | No. 856—14"x16" | 4.25 |

With Genuine Talon Slide Fasteners

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<td>No. 1879—7½&quot;x15&quot; Concert Band drum</td>
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For Parade Drums, Tenor Drums, and Scotch Bass Drums

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Order covers by actual size of DRUM SHELL ONLY. We make full allowance for hoops, rods, etc.
LUDWIG
Guaranteed Quality 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 is attached to every head that leaves the Ludwig factory. It is your assurance that the head is the finest quality calfskin 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 tucking drum heads are included on the reverse side of the Ludwig Quality Guarantee sticker for those who tuck their drum heads.

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 central storage cellars of the Chicago Stockyards, clean, perfect, flawless skins.

These skins are then processed by skilled workmen under the latest and most approved formulas, 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 "Ludwig & Ludwig Selected," "Ludwig Whitecalf," "L. & L. Crown-Head" and "Ludwig Vellour" drum and tympani, and banjo head carries its respective name indelibly stamped in a prominent place. This trademark insures and safeguards you against deception. Buy Factory Mounted Heads.

Crown Head TRANSPARENT HEADS
These are 100% transparent heads made from "slunk" calfskins. Clear, flawless and finished in their natural state, they are unusually durable, resilient and sensitive. There is no finer transparent head made than CROWN-HEAD.

For Snare Side Only
No. 919—17" for 13" drum . . . $1.80
No. 920—18" for 14" drum . . . 1.90
No. 921—19" for 15" drum . . . 2.00
No. 922—20" for 16" drum . . . 2.10
No. 923—21" for 17" drum . . . 2.30
No. 924—22" for 18" drum . . . 2.50

For Batter Side Only
No. 999—17" for 13" drum . . . $1.80
No. 900—18" for 14" drum . . . 1.90
No. 901—19" for 15" drum . . . 2.00
No. 902—20" for 16" drum . . . 2.10
No. 903—21" for 17" drum . . . 2.30
No. 904—22" for 18" drum . . . 2.50

Owing to fluctuations in the cost of raw skins we cannot guarantee head prices. Prices are therefore subject to change without notice.
**LUDWIG & LUDWIG**

**SELECTED QUALITY HEADS**

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

**Snare Drum—Batter Side Only**

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<th>No.</th>
<th>Size</th>
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**For Bass Drum**

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**Flesh Hoop & Head Tucking Prices**

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<td>640</td>
<td>Flesh Hoop for Snare Drum</td>
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<tr>
<td>650</td>
<td>Tucking Snare Drum Head on wood flesh hoop</td>
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<td>Flesh Hoop for Bass Drum</td>
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<td>Tucking Bass Drum Head</td>
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<td>642</td>
<td>Flesh Hoop for Tympani</td>
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<td>651</td>
<td>Tucking Tympani Head</td>
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<tr>
<td>9056</td>
<td>Head tucking tool</td>
<td>$0.30</td>
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</table>

**BUY FACTORY MOUNTED HEADS**

Special Ludwig factory equipment enables us to tuck heads more evenly and firmly. This insures longer wear; heads do not pull down so easily, and tone is greatly improved.

No. 653 Combination Offer of Ludwig factory tucked heads on Ludwig wood flesh hoops (for snare drum). **SPECIAL at only**

(Head Extra)

**Combination Head Press and Retainer**

Here's another FIRST for Ludwig & Ludwig, Inc., especially designed to help dealers stock and sell mounted drum heads. Holds a full dozen mounted heads in stock, available for prompt replacement sales. Takes up very little room. Can be placed on your stock shelves, in a large bin, or available in your repair department. Keeps the heads on hoops straight and round without danger of warping.

Illustration shows how easy it is to use. Just loosen the three screws in the top hoop, pull out the head, replace the hoop and tighten the screws. Simple—easy—efficient. Carried in stock in 14" and 15" diameters for immediate shipment. Other diameters on special order.

No. 726—Combination Head Press and Retainer **$3.00**

(Specify diameter wanted—14" or 15")

**SPECIAL OFFER:** With an order for twelve (12) mounted heads... **2.00**

---

Owing to the fluctuation in the cost of raw skins, we cannot guarantee head prices. Prices are therefore subject to change without notice.

---

**“LUDWIG VELLOUR”**

**Tympani Heads**

Uniform in texture, smooth, tight-fibred and damp resisting, Ludwig Vellour tympani heads will give greater satisfaction and finer 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>
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<tr>
<th>No.</th>
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<td>31&quot; for 25&quot; tympani</td>
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<td>625</td>
<td>36&quot; for 30&quot; tympani</td>
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**LUDWIG & LUDWIG SELECTED**

**Mounted Banjo Heads**

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

No. 5896—Banjo Head tucked on Hoop—in individual wrapping and box **$5.50**

**LUDWIG & LUDWIG SELECTED**

**Unmounted Banjo Heads**

These are the same heads as those described above but are unmounted. Insist on Ludwig & Ludwig Selected banjo heads.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3894</td>
<td>12&quot; for 9&quot; banjo</td>
<td>$2.50</td>
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<tr>
<td>3895</td>
<td>13&quot; for 10&quot; banjo</td>
<td>3.00</td>
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<tr>
<td>3896</td>
<td>14&quot; for 11&quot; banjo</td>
<td>3.50</td>
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</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>No.</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>894</td>
<td>12&quot; for 9&quot; banjo</td>
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<tr>
<td>896</td>
<td>14&quot; for 11&quot; banjo</td>
<td>2.25</td>
</tr>
</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.

No. 626—Retainer (does not include heads or flesh hoops) **$2.00**

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**Page 35**
The World’s Finest and Most Beautiful Mallet Played Instruments

Fittingly named Apollo, after the ancient Greek god of beauty and music, the sensational new line of Ludwig mallet played instruments with their gracefully arched resonators, stronger streamlined stands, and attractive ivory and gold two-tone finish are unquestionably the world’s finest!

They are completely new from end to end, embodying a new principle of assembly which makes them a joy to set up or take down. You can set up any Apollo instrument in less than two minutes!

All models are scientifically tuned to low (A-440) pitch with the Conn Chromatic Stroboscope, absolute assurance of perfect tuning and absolutely accurate scale!

Despite the many superior features of Apollo mallet played instruments you’ll find them very moderately priced—considerably less than you would expect to pay for such supreme musical quality.

New this year is the 2½-octave Apollo Vibra-Celeste, produced in response to a widespread demand for a smaller “vibe” especially suitable for jobbing drummers to whom small size and light weight are essential requirements.

Apollo Vibra-Celeste Bars Remain Fixed on Frames

An exceptional feature of the new Ludwig Apollo Vibra-Celeste — and one that will appeal to every player — is that the bars remain fixed on the frames. This eliminates any rolling up or stringing of bars, and is one of the reasons why this sensational new vibra-celeste can be assembled or knocked down in less than two minutes. Moreover, this method prevents the bars from being damaged when packed in the carrying cases.

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 mode 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 published. 72 pages, 9” x 12”.

No. 686—Ludwig Elementary Instructor for Vibraphone and Vibra-Celeste ............. $2.50
The New Ludwig APOLO GRAND Marimba

- Entirely New Design
- Improved Tonal Qualities
- Scientiﬁcally Tuned
- New, Stronger Stands
- Split Frames and Resonators
- Really Portable
- Full Suspension Mounted Bars
- New Two-Tone Enamel Finish

**LUDWIG APOLO**

COMPETE new in design from end to end, embodying a new principle of assembly eliminating many screws, bolts, wingnuts, and other small bothersome parts, scientiﬁcally tuned with vastly improved tonal qualities, and ﬁnished in a new and beautiful two-tone enamel ﬁnish, the Ludwig APOLO GRAND oﬀers you everything you could ask for in a marimba—and at an amazingly moderate price!

The full suspension cord mounting of bars on sturdy, rubber-covered metal support posts permits fullest vibration of each bar, from the lowest to the highest. The lower register is surpassingly rich and mellow due to larger resonator construction and scientiﬁc tuning process.

Bars are of natural ﬁnish ﬁrst quality Honduras rosewood, guaranteed to be seasoned and dry kilned for a period of not less than ten years. They are scientiﬁcally tuned to low (A-440) pitch with the Chromatic Stroboscope.

The APOLO GRAND is a joy to set up! It embodies a new principle of assembly which eliminates many screws, bolts, wing nuts, and other small, bothersome parts, so that this new model can be assembled or knocked down in less than two minutes!

The black and white illustration cannot give you a full appreciation of its beauty—the sweeping curve of the resonators which, with the stand, are ﬁnished by a scientiﬁc process in a beautiful two-tone enamel ﬁnish of gleaming gold and rich ivory. The sturdy stands are also ﬁnished in enamel in harmony with the resonators and frame.

Four solid rubber composition wheels are standard equipment. The two wheels nearest the player are equipped with a positive braking device operated by a slight pressure of the foot. Mallets are included with the instrument.

No. 8-364—Ludwig APOLO GRAND Marimba. 4 octaves, C-28 to C-76. 49 bars, 2 1/4" to 1 1/2" wide by 3/4" thick. Length 66". Width at lower end 33". Height, 34". Weight, 85 lbs. $195

No. 8-362—Ludwig APOLO Marimba, 3 1/2 octaves. F-33 to C-76. 44 bars, 2" to 1 1/2" wide by 3/4" thick. Length, 59". Width at lower end, 31". Height, 34". Weight, 77 lbs. $180

For other than ivory and gold enamel ﬁnish, special colors $15.00 Extra
For special color enamel ﬁnish, other than ivory and gold, and choice of pearl on wood frame $25.00 Extra

No. 8-365†—Two ﬁbre hand carrying cases for No. 8-364 APOLO GRAND marimba $45.00
No. 8-366†—Two ﬁbre hand carrying cases for No. 8-362 APOLO marimba 40.00
Ludwig
APOLLO GRAND
Vibra-Celeste

Gracefully Arched Resonators
New Stronger Stands
Positive Damper Control
Bars Fixed on Frames
Compact and Portable
New Two-Tone Finish
Assembled or Knocked Down
in Two Minutes

THE APOLLO GRAND Vibra-Celeste is entirely new in design from end to end. It embodies a new principle of assembly which eliminates many screws, bolts, wing-nuts, and other small bothersome parts so that this new model can be assembled or knocked down in less than two minutes! In appearance, too, you'll find the APOLLO GRAND Vibra-Celeste distinctively different. It is made with gracefully arched resonators, stronger streamlined stands, and finished in a new and beautiful two-tone enamel finish of rich ivory and gold. This finish will not rust or corrode, but will retain its beauty indefinitely.

The APOLLO GRAND Vibra-Celeste is equipped with a mercury switch on the motor, which is 100% noiseless, and an especially desirable feature when broadcasting or recording. Universal AC-DC motor.

You'll find this model the strongest, most durable, as well as the most compact portable Vibra-Celeste ever made in a full size, 3-octave instrument. It is easily packed and carried in two cases. The damper control is rigid, yet adjustable, and is absolutely positive in action. Bars are of finest alloyed aluminum, accurately tuned and true in pitch throughout the entire group. Bars remain fixed to the frames for ease in setting up or knocking down the instrument, and also for convenience in packing. (See page 36).

Equipped with four solid rubber composition wheels. The two wheels nearest the player are equipped with a positive braking device operated by a slight pressure of the foot. Selected mallets are included with the instrument.

No. 8-120—Ludwig APOLLO GRAND Vibra-Celeste, 3 octaves, C-40 to C-76, 37 bars, 1 1/4” to 1 1/4” wide, by 1/2” thick. Length, 45”. Width at lower end, 22”. Weight, 73 lbs. Two-tone ivory and gold enamel finish ........................................ $275

No. 8-620—Two fibre hand carrying cases for No. 8-120 LUDWIG APOLLO GRAND Vibra-Celeste ........................................ $37.50

For any other two-tone enamel colors, on special order only $15.00 Extra
For special color enamel finish (other than ivory and gold) on stand and choice of Ludwig Pearl on wood frames .......... $25.00 Extra

Apollo 2 1/2 Octave Vibra-Celeste

THE ideal Vibra-Celeste for jobbing drummers because of its small size and light weight. Assembled or knocked down in less than two minutes due to the new principle of assembly which eliminates many screws, bolts, wing nuts, and other small bothersome parts.

Strong and durable construction features the same as the larger APOLLO GRAND model. The damper control is rigid, yet adjustable to your individual needs, and is absolutely positive in action. Equipped with metal resonators. Bars are of finest alloyed aluminum, accurately tuned and true in pitch. Bars remain fixed to the frames for ease in setting up or knocking down the instrument, and also for convenience in packing. (See illustration on page 36.) Universal AC-DC motor.

Equipped with four solid rubber composition wheels. The two wheels nearest the players are equipped with a positive braking device operated by a slight pressure of the foot. Selected mallets are included with the instrument.

No. 8-121—Ludwig APOLLO Vibra-Celeste, 2 1/2 octaves, C-40 to F#5, 30 bars, 1 1/4” to 1 1/4” wide, by 1/2” thick. Length, 38”. Width at lower end, 22”. Weight, 62 lbs. Stand finished in gold enamel with frames, bars, and resonators in rich ivory ........................................ $200

No. 8-621—Two fibre carrying cases for No. 8-121 Ludwig APOLLO Vibra-Celeste ........................................ $35.00

For any other enamel colors, on special order only $15.00 Extra
For special color enamel finish on stand and resonators and choice of Ludwig Pearl on wood frames .......... $25.00 Extra
The New Ludwig APOLLO GRAND Xylophone

Entirely New Design  New Two-Tone Enamel Finish  Quickly Assembled  New, Stronger Stands  Scientifically Tuned

In the striking beauty of its new design stands and two-tone enamel finish of gleaming gold and rich ivory the Ludwig APOLLO GRAND Xylophone stands supreme among mallet-played instruments. It is an instrument worthy of the finest artist, offering him every desired feature of tone, volume, ease of assembly, and 100% portability.

The natural finish, first quality Honduras rosewood bars have full suspension cord mounting which assures full vibration of each bar, from

Music Rack Holder

Here's something every mallet instrument player has always wanted—a holder for the music rack which puts the music right in front of the player within easy reading distance. Holder clamps securely to the underside of the xylophone, marimba, or vibra-celaleste frame. The music rack post is inserted into the holder, adjusted to the desired height, and held firmly in place by a wing screw bolt.

No. 8-615 — Nickel plated  $1.00
No. 8-615K — Chromium plated  1.50

Ludwig Special-Lite Xylophone

Splendid tone, excellent volume and remarkable carrying power, together with small size and light weight, recommend this model to the jobbing drummer who must necessarily consider portability as well as musical qualities. The sturdy, rigid stand is accurately machined, 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 finished in lustrous black lacquer. Aluminum resonators are highly polished. Selected mallets included.

No. 8-835—3 octaves, C to C. Bars 1 1/4” wide by 3/4” thick.

Length, 36”. Width at lower end, 22”. Height, 25”. Height at extension legs, 33”. Weight, 24 lbs. With case, 33 lbs. .................................................. $890.00

No. 8-813†—Fibre Carrying Case for above .............. $10.00 Extra

The Ludwig APOLLO GRAND Xylophone embodies a new assembly principle which eliminates many screws, bolts, wing nuts, and other small, bothersome parts. You can set up this new model, or take it down for packing in the two carrying cases, in less than two minutes!

Equipped with four solid rubber composition wheels—two with brakes. Mallets included with the instrument.

No. 8-879—APOLLO GRAND Xylophone, 4 octaves, C-40 to C-88, 48 bars, 1 1/4” wide by 3/4” thick. Length, 60”. Width at lower end, 30”. Height, 34”. Weight, 80 lbs. .......... $220.00

No. 8-880—Ludwig APOLLO Xylophone, 3 1/2 octaves, F-45 to C-88, 44 bars, 1 1/4” wide by 3/4” thick. Length, 54”. Width at lower end, 28”. Height, 34”. Weight, 72 lbs. .......... $200.00

No. 8-879†—Two Vulcanized fibre Carrying Cases for No. 8-879  $40.00

No. 8-880†—Two Vulcanized fibre Carrying Cases for No. 8-880  35.00
Ludwig 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 mallet's impact on the metal. Harsh overtones are practically eliminated, and the tone is thoroughly accurate, sweet and clear. If you prefer more brilliance and volume we recommend No. 8-381 Professional Bells.

No. 8-383—2½ octaves, G to C, 30 bars 1¼" wide by ⅛" thick. A-440 pitch. Weight 15 lbs. Complete in case with 2 pairs selected mallets, and detachable music rack ............ $55.00

Ludwig Bell Stand

A strong folding bell stand adjustable in height from 17" to 25". Folds to 14½". Nickel plated, durable, rigid, and built for real service. Illustrated with bells above.

No. 385—Ludwig Bell Stand, Nickel plated .......................... $6.00

Ludwig 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 this 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, 1" wide by ½" thick. Complete with one pair selected Ludwig mallets ............. $23.50

Ludwig 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 brasswood, strongly reinforced and equipped with quality hardware and a stout leather handle. Bells can be removed from the case and the cover is completely detachable. Case measures 26"x16"x3½".

No. 8-379—School Bells in Case. Weight 18½ lbs. ..................... $31.50

Ludwig 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, and are heavily Chromium plated. The tone is exceptionally brilliant, 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 1½" wide by ⅛" thick. A-440 pitch. Weight 29 lbs. Complete in case with 2 pairs mallets and music rack .................................. $50.00

Ludwig 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, or where limited funds prevent the purchase of the sets described above. Tone, volume, and carrying power are unusual for bells of this price.

No. 8-384—2½ octaves, G to C, 30 bars 1" wide by ¼" thick A-440 pitch. Weight 17 lbs. Complete in case with 2 pairs mallets, and music rack .................................. $40.00

Ludwig School Xylophone

The Ludwig School Xylophone is a quality instrument of small dimensions, intended, like School Bells, 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, 1½" wide by ⅛" thick. Complete with one pair selected Ludwig mallets ............. $18.00

Ludwig 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 26"x21"x3½".

No. 8-809—School Xylophone in Case. Weight 14½ lbs. .................. $26.00
LUDWIG BELL-LYRA

The Bell-Lyra is the old-time Glockenspiel modernized for present needs in bands and orchestras. The tone quality—clear, sweet, and penetrating—adds color and distinction to any organization. Made in three models: 22-bar size, 25-bar size, and a new 20-bar Alto model with resonators which are pitched an octave lower than the standard models giving a range of three full octaves when used with either the 22-bar or 25-bar model. Bar mounting is fully chromatic so the instrument is easily mastered. Bars are made of special aluminum alloy mounted on new design brass tubular frame which is heavily Chromium plated (except No. 8-101). Complete with white horsehair plumes you can dye any desired color. Available in either 22-bar or 25-bar sizes. The smaller size is somewhat lighter in weight and is recommended for juvenile use as it is easier to carry on the march. However, with the new design tubular brass frame each model is almost three pounds lighter than before.

No. 8-102—Bell-Lyra, range C to A, 22 bars, 1¼” wide by ¾” thick. Pitch A-440. Weight 10½ lbs. Complete with white horsehair plumes and one mallet $75.00

No. 8-103—Bell-Lyra. Two-octave range, A to A, 25 bars, 1¼” wide by ¾” thick. A-440 pitch. Weight, 12 lbs. Complete with white horsehair plumes and one mallet $85.00

No. 8-101—A popular priced school model Bell-Lyra, similar in construction to No. 8-103, but frame and bars in white enamel. Two-octave range. A to A. 25 bars, 1¾” wide by ¾” thick. A-440 pitch. Weight, 12 lbs. Complete with white horsehair plumes and one mallet $61.00

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 organization 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 as on orchestra bells. Tubes are highest quality brass, accurately tuned, highly polished and Chromium plated. Base ends and rack head are aluminum castings. Two of the solid rubber wheels have brakes.

1 in. Tube Chimes

No. 8011—1½ Octaves, 18 Tubes, C to F, A-440 Pitch, with Damper and Wheels. Chromium plated. Mallet included $215.00

No. 8004—Fibre Hand Carrying Case for No. 8011 20.00

Special Trunk for No. 8011 .NET $65.00 Extra

No. 8002—Velvet Banner (your name in sewn letters) .NET $5.00 Extra

NOTE: Above price covers standard banner design. For prices on special design submit sketch.

1½ in. Tube Chimes

These large tube chimes are recommended for large musical organizations or any occasions when full, rich, exceptionally powerful tone is required.

No. 8014—1½ Octaves, 18 Tubes, C to F, A-440 Pitch, with Damper and Wheels. Chromium plated. Mallet included $375.00 Special Trunk for No. 8014 .NET $100.00 Extra

No. 8001—Banner Rack for Nos. 8011 or 8014 .NET $4.00 Extra

Accessories for Bell-Lyras

No. 8014——Leather Carrying Strap for Bell-Lyra, as illustrated on Bell-Lyra above $ 4.00

No. 8016——Special Leather Carrying Harness for Bell-Lyra. (See illustration on page 49) 5.50

No. 8017—Mackintosh Carrying Bag for No. 8-102 Bell-Lyra $ 6.00

No. 8015—Mackintosh Carrying Bag for No. 8-103 or No. 8-101 Bell-Lyra $ 6.00

No. 8017—Mackintosh Carrying Bag for No. 8-116 Alto Bell-Lyra $ 6.00

No. 8016—Concert Stand for Bell-Lyra. (Slate if for 22 or 25-bar or Alto model) 15.00

No. 8-750—Mallet for Bell-Lyra. Made with clear pyralin handle and white genuine pyralin ball. Practically unbreakable. Ball is cemented to handle so that it cannot come off. Per pair 2.00

No. 8014—1½ Tube Chimes
Superior Quality of Ludwig Tympani
Makes Them Choice of Leading Artists

BALANCED ACTION FOOT PEDAL
The Symphony DeLuxe and Professional Standard pedal-tuned tympani have lightning fast pedal action, responding easily to the slightest movement of the foot, and holding to any position when the foot is lifted.

LOW SET TUNING HANDLES
Hand screw tuning handles on all models are set low so as not to interfere with the playing and to permit easy passing from one kettle to the other.

STURDY EASY PACKING STANDS
Stands on pedal or rotary tuned tympani are made of finest steel and cast aluminum for the utmost strength. They pack easily and quickly and are set up in a jiffy.

ONE-PIECE COPPER BOWLS
Ludwig tympani bowls are made of the highest quality copper, machine drawn in one piece to exact size and shape. This method is far superior to the old hand-hammered type, as it assures absolute uniformity and smoothness so essential to fine tone quality.

FINEST LUDWIG VELLOUR HEADS
Uniform in texture, tight-fibred and damp resisting, Ludwig Vellour tympani heads give greater satisfaction and finer tympani tone than any other make.

The use of Ludwig tympani by outstanding tympanists in every type of musical organization offers conclusive proof of their superiority and is your assurance of musical excellence.

FREE TO TYMPANI PLAYERS
Prepared by Roy Knapp, this special tympani instruction folio contains instructions on the correct grip positions, standing and seated positions, illustrations showing the dynamic forms of beating (including cross hammering), proper tuning methods, exercises for stroke rolls, etc., etc. Ideal for self study. Invaluable to the tympanist—beginner or professional. Sent free upon request.

PROVIDENCE SYMPHONY ORCHESTRA
Dr. Wassile Lepa (left), director, and George B. Greer, drummer and tympanist. A Ludwig user for twenty years.

PORTLAND SYMPHONY ORCHESTRA
Left to right: Joseph Amato, tympani; W. Van Hoogstratten, director; William Weber, snare drum; F. A. Brinkley, bass drum.

MINNEAPOLIS SYMPHONY ORCHESTRA
Left to right: S. W. Segal, snare drum; Wm. Fastenauer, tympani; Carl P. Rudolf, bass drum. 100% Ludwig.
Ludwig Professional Standard Pedal Tuned Tympani

NOTE THESE FEATURES
1—Time Tried and Tested Pedal Mechanism.
2—Guaranteed World’s Fastest Tuning.
3—One-Piece Symmetrical Kettles.
4—Balanced Action.
5—Floor Position Pedal.
6—Rich Sonorous Tone.
7—Unvarying Pressure.
8—Full Chromatic Range.
9—Folding Detachable Bases.
10—High Quality—Low Price.

Per Pair
$270

The World’s Greatest Tympani Value!

LUDWIG & LUDWIG, Inc., was the first in America to build pedal-tuned tympani, reducing the cost to practically one-half of imported tympani and, in addition, developing faster tuning and more practical and trouble-free mechanism.

Now Ludwig scores again in the introduction of the new Professional Standard Pedal-Tuned Tympani at the lowest prices in history!

These new tympani have exactly the same sturdy, dependable Ludwig pedal mechanism which has won the acclaim and enthusiastic approval of outstanding tympanists in the finest musical organizations! It is not a new and untried principle, but has stood the test of time and actual use in hundreds of bands and orchestras, ranging from dance bands to world renowned symphony orchestras!

There has been no sacrifice in quality! The Ludwig Professional Standard Pedal-Tuned Tympani offer every musical organization the finest, most practical, most convenient, and easiest tuning tympani—time tried and tested—at a price within the reach of the most limited budget!

Ludwig Professional Standard Pedal-Tuned Tympani are as simple in operation as they are in mechanical construction. The pedal action is extremely light, responds instantly to the slightest movement of the foot, and will hold to any position even when the foot has been lifted. The pedal is ideally placed in a natural floor position. Restful for the foot, and is so situated that the tympani can be used in either seated or standing position with equal ease.

Bows are made of the best copper drawn in one piece to the perfect roundness so essential to a fine tone quality. They are finished in a beautiful satin finish, or may be had in either glossy black or gleaming white lacquer at no additional cost. The tuning handles, hoops, and stand fittings are heavily nickel plated, or chromium plated at a slight additional charge. Heads are selected Ludwig Vellour Tympani Heads famous for their superior quality and tonal perfection.

Both kettles are set 32” high, the standard height for most convenient and easy playing position. Kettles may be revolved on their stands without affecting the tone or tuning, and are easily and quickly removed from their bases for packing. Hand screw tuning handles are set low so as not to interfere with easy, rapid passing from one kettle to the other. The strong cast aluminum bases fold into a relatively small amount of space.

No. 287—Ludwig Professional Standard Pedal-Tuned Tympani. 25” and 28” diameter kettles only. Nickel plated fittings. Per pair ....................................................... $270

Instructor, one pair sticks, and fibre head protectors included.

Tuning handles, hoops, and stand fittings, Chromium plated Extra $30.00
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 Finest, Easiest Tuning Tympani Made

Ludwig Pedal-tuned Tympani are as simple in operation as they are in mechanical construction. The pedal action is extremely light and responds immediately to the slightest movement of the foot and will hold to any position even when the foot has been lifted. The pedal is ideally placed in the natural position of the foot at rest, and is so situated that the tympanist can use the drums in a seated or standing position with equal ease.

The removal of a single bolt permits lifting the kettle from the stand for packing. The stands fold into a relatively small amount of space. Every practical improvement and feature has been incorporated in the making of these tympani to make them the finest tympani of today.

Choice of Bowls in Black or White Lacquer at no additional cost.

Stands, Tuning Handles, and Hoops in Chromium Plate $30.00 Extra

No. 275—Ludwig Natural-Way Pedal Tympani, Symphonic model, Standard sizes 25” and 28”, as illustrated and described, complete $325.00

No. 287—Ludwig Natural-Way Pedal Tympani, Symphonic model, sizes 26” and 29” for Symphony requirements, complete $360.00

Instructor, One Pair Sticks and Fibre Head Protectors Included.

The normal range of Tympani, machine or hand, regardless of size, is from F below the staff in the bass clef to the octave F in the staff. In rare instances as in “Parsifal,” 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 the case 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 28” tympani. The regular 28” diameter kettle can be lowered in pitch to E and E♭ but the tone quality will not compare to the same notes gotten on a 30” or 32” kettle.
LUDWIG

Rotary Tuned Tympani

The new Ludwig Machine Tympani—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 Tympani. 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 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. Kettles can be adjusted to height, tilted to the desired angle, and removed from the base for ease in transporting.

No. 286—Ludwig Rotary Tympani, 25" and 28" diameter, complete as described ........................................ $235.00
With Stands, Handles, and Hoops in Chromium plating ......................................................... $30.00 Extra

Instructor, One Pair Sticks, and Fibre Head Protectors Included.

LUDWIG

Hand Tuned Tympani

The Ludwig Pioneer Tympani are specially designed and priced for school use. They are of excellent quality and will serve admirably wherever hand tuning tympani are sufficiently 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 heads are 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 heads, 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. 285—Ludwig Pioneer Tympani, 25" and 28" diameter, as described, per pair ........................................ $150.00
Instructor, Folding Stands, One Pair Sticks, and Fibre Head Protectors Included.

Ludwig Tympani Accessories

No. 292—Heavy fleece-lined, moisture and waterproof Tympani covers. State sizes of Tympani. Per pair ........................................ $7.00
No. 292S—Folding Tympani Stands. Per pair ........................................ $15.00
No. 2815—Tympani Tuning Pitch Pipe. Chromatic; one octave—C to C. Each ........................................ 1.75

Ludwig Tympani Trunks

Sold on Net Basis Only

No. 294SD—Trunks for 25" and 28" Ludwig Symphony Deluxe Tympani. Per pair ........................................ $100.00 NET
No. 295PS—Trunks for 25" and 28" Ludwig Professional Standard Tympani. Per pair ........................................ $100.00 NET
No. 294M—Trunks for 25" and 28" Ludwig Rotary Tuned Tympani. Per pair ........................................ $80.00 NET
No. 294H—Trunks for 25" and 28" Ludwig Pioneer Hand Tuned Tympani. Per pair ........................................ $85.00 NET

See page 30 for Tympani Sticks. See inside back cover for Tympani Instructor.

Wheels for Pedal Tuned Tympani

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

No. 284—Push-About Tympani Wheels. Set for two Tympani ........................................ $12.50
The New Ludwig "TWIRLO" Batons

ONLY

$2.50

The World's Finest Batons for Juvenile Twirlers

The new "Twirlo" batons are the result of years of practical experience and the careful study and survey of the requirements of baton twirlers all over America. The size, weight, and length of these new batons meets every possible requirement for either one or two baton work, high throws, under leg and arm passes, trick movements, and speed twirling. They are designed and balanced for twirling only. Ludwig & Ludwig has led the field for many years in the manufacture of standard twirling batons, and the new "Twirlo" batons are undoubtedly the greatest value in twirling batons ever produced!

Many Sensational and Exclusive Features

These are the strongest, toughest, sturdiest twirling batons ever made in these sizes and weights.

Shaft is of special metal alloy, seamless, non-rusting, ideal feel and grip for fast twirling, and will withstand the hardest usage.

These are the perfect batons for youngsters—for length, weight, balance, and ease in twirling. Ideal for beginners and class work.

The correct length for two baton work, finger spins, and speedy routines.

The special ball and tip are of molded white rubber (not painted) and are easily washed with soap and water to keep them clean and bright.

The rubber ball and tip prevent any noise or clatter when dropped, protect floor and furniture, and enable the user to develop special trick bounce routines.

Correctly balanced and proportioned, these batons are ideal for high throws as the light weight makes them easy to throw and catch.

Guaranteed as to durability, workmanship, finish, balance, and appearance under all normal twirling usage, these sensational new "Twirlo" batons are the greatest value in professional twirling batons ever offered and at the lowest price in baton history!

Available in two lengths to meet all requirements. The 28" model is recommended for twirlers from 7 to 12 years of age. The 30" model is recommended for twirlers from 12 to 18 years of age.

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Diameter of Shaft</th>
<th>Weight</th>
<th>Each</th>
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</thead>
<tbody>
<tr>
<td>536</td>
<td>28&quot;</td>
<td>3/4&quot;</td>
<td>13 oz</td>
<td></td>
</tr>
<tr>
<td>537</td>
<td>30&quot;</td>
<td>3/4&quot;</td>
<td>14 oz</td>
<td></td>
</tr>
</tbody>
</table>

$2.50
The Ever Popular “Spinno” Batons

Here are the world’s finest twirling batons—“Spinno” models made of seamless steel tubing. These batons combine ideal length and weight with perfect balance and maximum strength and durability. They are designed with 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 half-round design, extremely strong, without any “cursleyues” to injure the hand. Finished in the finest chromium plating which gives these batons on all over glitter and sparkle that makes them throw light like a sunburst. Used and recommended by twirling champions everywhere!

No. 535—Speed Spinno Baton. Has 3/4” diameter shaft of seamless steel tubing, 32” long and weighs approximately 16 ozs. Heavily chromium plated. Perfect for finger spins, throws, underarm and leg passes. and two baton work. Each ................................................. $7.50

No. 543—Heavy Spinno Baton. Similar to above, but larger and heavier. Length, 34”. Diameter of shaft, 3/4”. Weight approximately 20 ozs.
Each .......................................................... $8.50

Ludwig Baton Protectors
Gum rubber protectors for ball and tip of any Ludwig SPINNO baton. Permits twirling practice in the house without danger of damaging floors or furniture, or maring the finish of the baton. Quickly put on or removed. A necessity for every baton twirler.
No. 553—Ludwig Baton Protectors. Per set ........................................... $1.00

Baton Covers
No. 542—Made of heavy mackintosh cloth with zipper fastener. Specify model of baton intended for.
Each .......................................................... $3.00

Baton and Bugle Cords
No. 539—Yellow silk cord ...................... $1.50
No. 540—Legion Yellow and Blue combination with tassels. Silk. 1.50

Junior Baton
A junior signal baton that is extremely light in weight. Has a 3/4” straight aluminum shaft. Nickel plated shaft with wood ball finished in gold lacquer. Recommended for Junior, Ladies Auxiliary, and Boy and Girl Scout Corps for signal work only. Length is 32”. Weight, approximately 11 ounces.
No. 548—Junior Signal Baton .............................................. $5.00

No. 533 $12.00

Standard Signal Baton
A favorite with Drum Majors for straight signal work. Blue enameled wood shaft with chromium plated heavy gauge brass ball and ferrule. Heavy yellow silk cord and tassels. Length, 44”. Weight, approximately 26 ounces. Used extensively as a military signal baton in Drum Corps and Bands.
No. 533—Standard Signal Baton .............................................. $12.00

Featherweight Signal Baton
A featherweight signal baton that will not tire one on the longest march. Shaft is 3/4” diameter. Made of aluminum alloy with ball of same material. Flashy and durable in its gleaming chromium plating, this baton is ideal for signal work only. Length, 36”. Weight, approximately 16 ounces.
No. 534—Featherweight Signal Baton .............................................. $9.00
**LUDWIG**

**“G-D” Piston Bugles**

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.

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 use of the left hand.

Scientifically correct, and of highest quality, they are easy blowing, accurate, perfectly balanced, and fine appearing—the most modern Drum Corps Bugle made.

**FREE MUSIC**

This Ludwig Folio of Drum Corps Music is given free with all orders of Ludwig Master Model Piston Bugles. Music written for “G”, “D” and Ludwig Piston Gee-Dee Bugles. Supplied only with orders for Piston Bugles—cannot be bought or secured in any other manner.

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### Master Model Soprano

<table>
<thead>
<tr>
<th>Model</th>
<th>Finish</th>
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<tr>
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<tr>
<td>1247KG</td>
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<td>1247S</td>
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<tr>
<td>1247SG</td>
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<td>$25.00</td>
</tr>
<tr>
<td>1243</td>
<td>Bugle Bag for above Bugle</td>
<td>1.25</td>
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Hard Case for above Bugle: 6.00

### Master Model Tenor

<table>
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<tr>
<td>1246S</td>
<td>Silver</td>
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Hard Case for above Bugle: 6.25

### Master Model Baro-Tone

<table>
<thead>
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<td>1244</td>
<td>Bag for above Bugle</td>
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</table>

Hard Case for above Bugle: 6.50

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Ludwig & Ludwig are the designers and originators of the modern Piston Bugle

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**LUDWIG**

**New “Bb-F” Piston Bugles**

Built in key of B♭ with horizontal piston for change to F. Gives to the drum corps an added brilliance of tone and increased range and musical scope... With these bugles any cornet or trumpet part can be played without rearrangement or transposition, making these bugles ideal when the drum corps is used in conjunction with the band... Very easy to blow because of fine engineering and design. Better tone quality than the regular B♭ service bugle. Equipped with finger hook and water keys. Perfectly balanced.

---

### Tenor

<table>
<thead>
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Hard Case for No. 1261: 6.25

### Baro-Tone

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<tr>
<td>1265</td>
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Hard Case for No. 1262: 6.50
Ludwig 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 "flair" to the Corps. Average Corps use two, large Corps use four.

The Bugle-Lyra has the eight notes of the Gee-Dee bugles, is carried like the colors, and is played with a mallet held in the right hand. Weight 7 lbs.

No. 8-113—Bugle-Lyra. 8 bars of Aluminum Alloy. Tubular brass frame Chromium plated. Mallet and White horsehair Plumes included ........................................... $50.00
No. 8-115—Macintosh Carrying Bag for Bugle-Lyra .................................................... 5.00
No. 8-108—Leather Carrying Harness for Bugle-Lyra. May also be used for Bell-Lyra. Made of strong leather. Adjustable straps over shoulders. A necessity for the Bugle or Bell-Lyra player. Tan only. Each .............................................. 5.50
No. 8-104—Leather Carrying Strap for Bugle-Lyra or Bell-Lyra. Suspended from neck; does not have straps across back. Tan only. Each .............................................. 4.00

Ludwig Baro-Tone "G" Bugles

**Adult Corps Model**

Baro-Tones add a rich, full tone in the Drum Corps one octave lower than soprano model bugles. Music is played without transposing. Professional quality. Easy blowing with excellent tone. Key of G, slide to F. Length is 28".

- No. 1238 — Brass ........................................... $22.00
- No. 1238K — Chrome ....................................... 32.50
- No. 1238KG — Chrome, Gold Bell .................. 34.50
- No. 1238S — Silver ......................................... 29.00
- No. 1238SG — Silver, Gold Bell ................ 30.00
- No. 1237 — Bugle Bag for above .................. 1.50

**Junior Corps Model**

The No. 1239 Baro-Tone Bugle is a 23" 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.

- No. 1239 — Brass ........................................... $18.50
- No. 1239K — Chrome ....................................... 29.00
- No. 1239KG — Chrome, Gold Bell ................ 30.00
- No. 1239S — Silver ......................................... 25.00
- No. 1239SG — Silver, Gold Bell ................ 26.50
- No. 1234 — Bugle Bag for above .................. 1.50

**Hard Cases Made to Order for Above Bugles.**

Ludwig Military Model Bugles

- No. 1228 — Brass ........................................... $10.50
- No. 1228K — Chrome ....................................... 14.50
- No. 1228KG — Chrome, Gold Bell ................ 16.00
- No. 1228S — Silver ......................................... 14.00
- No. 1228SG — Silver, Gold Bell ................ 15.50
- No. 1226 — Bugle Bag for above .................. .90

**Professional Bugle**

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:

- No. 229 — Brass ........................................... $10.00
- No. 229K — Chrome ....................................... 14.50
- No. 229KG — Chrome, Gold Bell ................ 16.00
- No. 229S — Silver ......................................... 14.00
- No. 229SG — Silver, Gold Bell ................ 15.50
- No. 1226 — Bugle Bag for above .................. .90

**Fan-Fare Bugle**

A popular bugle made to professional standards. Easy blowing, accurately toned and balanced. Length is 28". Key of G with slide to F.

- No. 1228 — Brass ........................................... $10.50
- No. 1228K — Chrome ....................................... 14.50
- No. 1228KG — Chrome, Gold Bell ................ 20.00
- No. 1228S — Silver ......................................... 15.50
- No. 1228SG — Silver, Gold Bell ................ 17.50
- No. 1227 — Bugle Bag for above .................. 1.25
Quality Materials and Superior Construction Features of Ludwig Parade Drums Makes Them the Choice of Leading Drum Corps Everywhere!

Here are a few reasons why:

1—MODERN STREAMLINE DESIGN
   Strikingly beautiful with new streamline tension cases on separate tension models.

2—CORRECT PROPORTIONS
   Accurately made in proper sizes and weights for maximum performance with minimum effort.

3—SPREAD SNARES
   New design snare strainer assures perfect alignment of snares for sharper, clearer, better tone.

4—SELF-ALIGNING RODS
   Separate tension models have full self-alignment assuring better head tension and better playing qualities.

5—PERFECTLY ROUND, STRONG SHELLS
   The strongest, most perfectly round drum shells made, retaining their roundness under all weather conditions.

6—DOUBLE CLAW HOOKS
   Increases gripping surface over 40%, insuring more even tension.

7—MATCHED SELECTED HEADS
   Heads are selected and matched calfskin of the finest quality.

8—CHROMIUM AND PEARL FINISHES
   Available with chromium plated metal fittings, lacquer or Multi-Color on shell and hoops, or beautiful Ludwig pearl or flash on shell with inlaid counter hoops.

New Spread Snare Strainer
Ludwig Parade Drums are equipped with the new heavier gauge gut snares, have the new type strainer illustrated at left. With this type strainer there is no possibility of the snares bunching or binding, and a clearer, sharper, better tone is assured at all times with greater volume and easier playing. The illustration to the left shows the perfect alignment of the snares.

Full Self-Aligning Rods
You won’t strip the threads on the rods of a Ludwig separate tension parade, tenor, or bass drum; for all these drums are now made with “self-aligning rods.” Rods screw into receiving tubes, or lugs, on the inside of the streamline tension cases, which are free to move in any direction as shown by the dotted lines in the illustration to the right. Self-aligning rods assure better head tension and better playing qualities! Another reason for Ludwig supremacy!
LUDWIG
Triumphant
Parade
Drum
With Self-Aligning
Rods, and Separate
Tension Cases

LUDWIG
Champion
Parade
Drum
With Self-Aligning
Rods, and Separate
Tension Cases

Recommended for concert, military, and marching bands. Responds
easily with excellent tone, volume, and carrying power.
Low metal counter hoops permit an almost flat downward stroke of the
sticks which is a feature. Separate tension, self-aligning rods give proper
adjustment of both snare and batter heads for best snare response and
drum tone. Improved appearance due to new tension cases. New type
spread Snare Strainer, and selected Ludwig heads. Gus Snares standard
or silk-wire snares if ordered specially. Aero-Kraft Mahogany shell in
natural finish, or your choice of lacquer colors or Blue and Silver
Multi-Color finish.

Sticks and Sling Included
No. 220—Size 12” x 15”.......... $28.00
With natural finish Mahogany shell (or choice of lacquer colors)
and nickel plated metal parts as described and illustrated.
Same, but with Chromium plated metal parts........... 48.00
With choice of Ludwig Pearl shell and Nickel plated metal
parts ........................................ 50.50
With choice of Ludwig Pearl shell and Chromium plated metal
parts ........................................ 60.50

No. 222—Size 12” x 16”

One of the most popular of all Parade Drums from Drum Corps and
marching band work. It plays easily with splendid tone, has plenty
of volume and power, and is sturdily made with Aero-Kraft Mahog-
any shell and Maple counter hoops. New type spread snare strainer
assures perfect snare response.

Each head is tensioned separately with the separate tension double
hook clamp self-aligning rods which distribute the tension over a greater
hoop surface and keep the heads uniformly tight. New design tension
cases. Gus snares standard, or silk-wire on special order. Ludwig
Selected heads. Available in Blue and Silver Multi-Color or other
lacquer finishes at no extra charge.

Sticks and Sling Included
No. 237—Size 12” x 15”........ $35.00
Mahogany shell and Maple hoops in natural finish (or choice of
lacquer colors), with Nickel plated fittings
Same, with Chromium plated fittings............. 45.00
With choice of Ludwig Pearl shell and Nickel plated fittings.... 47.50
With choice of Ludwig Pearl shell and Chromium plated fittings... 57.50

Ludwig Drummer Parade Drum

The Drummer Parade Drum is an outstanding favorite because of its
light weight and fine tone. A single key tension drum, it is tensioned
at the top with the double hook clamp rods. The cracking snare re-
sponse, volume, and power are equal to that of many higher priced
Drums on the market.

The Mahogany shell and Maple hoops in natural finish is regular, or
choice of standard lacquer colors or Blue and Silver Multi-Color finish
will be supplied at no extra cost. Metal fittings are nickel plated. Shell
is Aero-Kraft laminated construction. Improved Snare Strainer with ten
heavy gauge gut snares and select Ludwig heads. An excellent drum
at a moderate price.

Sticks and Sling Included
No. 263—Size 12” x 15”........ $20.00
With Mahogany shell and Maple hoops in natural finish (or your
choice of lacquer colors) and Nickel plated metal parts.
Same, but with Chromium plated metal parts........... 42.50
With choice of Ludwig Pearl shell and Nickel plated metal parts.

Junior Imperial Parade Drum

With Self-Aligning Rods and Separate Tension Cases.

A very popular model for Drum Corps, particularly Junior Corps, be-
cause of its size—10” x 14”—and light weight. An easy speaking drum
with excellent tone, and ample power and volume for exacting work.
Sturdily made with Mahogany finish shell and Maple hoops in natural
grain finish. Available, however, with choice of lacquer colors (or
Multi-Color finish) at slight additional charge. Eight strong double
hook clamp self-aligning rods and new design tension cases. Separate
tension, self-aligning rods assure proper adjustment of both snare and
batter heads for best snare response and drum tone. Heavy wire-
ound silk snares and Selected Ludwig heads are standard.

Junior Tenor Drum, No. 259, and Junior Scotch Bass Drum,
No. 777, are recommended for Junior Drum Corps using this
model parade drum.

Sticks and Sling Included
No. 260—Size 10” x 14” only, with Mahogany finish shell, Maple
hoops, and wire-wound snares. Nickel plated fittings only... $28.00
Extra for gut snares............................ 1.75
For choice of lacquer colors on shell and hoops............ $1.50 Extra
Junior Parade Drum

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 is also a favorite for adult Ladies' Drum Corps, usually in a gleaming snowy white lacquer finish, and is used extensively by Ladies' Auxiliaries of the American Legion and other organizations.

Excellent snare response, fine quality drum tone, ample volume, and exceptional carrying power recommend this drum for general all-around use. Made with single key tension double hook clamp rods, with heads easily tensioned from the top. Available with or without center support studs. Improved snare strainer, wire-wound silk snare and quality calf Ludwig heads are standard.

Sticks and Sling Included.

No. 258—Size 10"x14" only, with Mahogany finish shell, Maple hoops and Nickel plated fittings. WITHOUT CENTER SUPPORT STUDS ........................................... $18.50

For choice of lacquer colors on shell and hoops, add to prices of No. 258 or 257 ........................................... $1.50 Extra

No. 257—Size 10"x14" only, with Mahogany finish shell, Maple hoops and Nickel plated fittings. WITH CENTER SUPPORT STUDS ............................................... $20.00

Extra charge for gut snares on No. 258 or 257 ..................... $1.75

Popular Parade Drum

12"x15" Shell
Single Tension Only

This is a popular drum with Junior Drum Corps because it is a little lighter than the separate tension models, and is tensioned with thumb-screw rods instead of with a key. An easy speaking drum with excellent tone, and ample volume and power.

Made in 12"x15" size only, with Mahogany shell and Maple hoops in natural finish, and nickel plated fittings. Eight sturdy rods, with center support studs. Improved snare strainer with wire-wound silk snare and quality calf heads available at same price on special order only. Ludwig quality calf skin heads.

Sticks and Sling Included.

No. 216—Popular Parade Drum, 12"x15", Mahogany shell, maple hoops, nickel plated fittings. Each ........................................... $25.00

Choice of lacquer colors on shell and hoops ....................... $1.50 Extra

No. 4355—Juvenile Cadet Parade Drum as illustrated and described, size 8"x13" ........................................... $15.00

For choice of colors on shell and hoops ................................. 1.50

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. Mahogany finish shell, Maple counter hoops, improved Snare Strainer, wire-wound silk snare and quality calf heads are standard.

Size 8"x13" only. Sticks and slings included.

No. 4355—Juvenile Cadet Parade Drum as illustrated and described, size 8"x13" ........................................... $15.00

For choice of color on shell and hoops ................................. 1.50

Economy Parade Drum

No. 261—Separate Tension, No. 226—Single Tension.

An exceptionally fine drum, moderately priced, but with the tonal qualities, volume, and construction features of similar size drums selling at considerably higher prices. Has highly polished 10"x15" Mahogany finish shell with Maple hoops in natural finish. Has ten double claw hook rods which are self-aligning on the separate tension model (No. 261) and have the new streamline tension cases. Single tension model (No. 226) has center support studs only. Wire-wound snares and genuine Calfskin heads.

Sticks and Sling Included.

No. 261—10"x15", Separate tension, self-aligning rods, new tension cases. Nickel plated fittings ...................... $30.50

No. 256—10"x15", Single tension. Does not have tension cases or self-aligning rods. Nickel plated fittings ........... 23.00

Lacquer colors on shell and hoops ................................. $1.50 Extra

Extra charge for gut snares ........................................... 1.75

No. 216—Juvenile Parade Drum, size 7"x12", complete with sticks and sling ........................................... $8.50

Juvenile Parade Drum

Correct in proportion and construction this drum has an excellent tone and surprising volume. Popular for use in the Rhythm Band, juvenile band and drum corps, and as an instruction drum for young beginners. Mahogany finish shell and counter hoops, thumb screw tensing rods, new sturdy snare strainer, silk wire snares and good grade Calfskin heads.

No. 4316—Juvenile Parade Drum, size 7"x12", complete with sticks and sling ........................................... $8.50
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 twirling and figurations gives added "flash" and color to the corps both on parade and in concert formation. Tenor Drums are played with felt or lamb's wool beaters and are used in a full rank of four in front of the snare drums.

No. 2856

Adult Models
Ludwig Tenor Drums, made in both separate and single tension models, combine an 18" head surface with a 12" shell depth and two perfectly matched white calfskin 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-claw hook rods. Single or separate tension. Separate tension models only have tension cases and self-aligning rods. Finest selected Ludwig calfskin heads. Sticks and Sling Included.

Single Tension
No. 2855—12"x18", with Mahogany (or choice of lacquer colors, or Blue and Silver Multi-Color) Shell, and Nickel Plated metal parts $35.00
For Chromium Plated metal parts add .................................................. $10.00 Extra
For Choice of Pearl Shell and Inlaid Counter Hoops add .................................................. $12.50 Extra

Separate Tension
(With tension cases and self-aligning rods.)
No. 2856—12"x18", with Mahogany (or choice of lacquer colors, or Blue and Silver Multi-Color) Shell, and Nickel Plated metal parts $40.00
For Chromium Plated metal parts add .................................................. $10.00 Extra
For Choice of Pearl Shell and Inlaid Counter Hoops add .................................................. $12.50 Extra

LUDWIG
Scotch Style Bass Drums
Aero-Kraft
Shell Construction

Easy to carry because they are narrow and light in weight, these are the preferred bass drums for modern Drum Corps use. Used either for straight on-the-beat playing, or for the fancy overhand and around the back playing. Aero-Kraft Mahogany shell and Maple hoops are standard, or your choice of lacquer colors will be supplied at no extra cost. Made in single or separate tension with double hook clamp rods. Separate tension models only have tension cases and self-aligning rods. Quality heads. Available with choice of lacquer colors on shell and hoops or Blue and Silver Multi-Color at no additional cost. Counter hoops inlaid with any Ludwig pearl $2.00 Extra.

Sticks, Sling and Instructor Included.

Single Tension
No. 2863—12"x30" Shell size ............... $49.00
No. 2862—10"x30" Shell size ............... 47.00
No. 2861—10"x28" Shell size ............... 45.00
No. 2860— 8"x28" Shell size ............... 43.50
Pearl Shell and inlaid hoops $25.00 Extra
Chrome metal parts .................................................. 10.00 Extra

Separate Tension
(With tension cases and self-aligning rods.)
No. 863—12"x30" Shell size ............... $57.00
No. 862—10"x30" Shell size ............... 55.00
No. 861—10"x28" Shell size ............... 53.00
No. 860— 8"x28" Shell size ............... 52.00
Pearl Shell and inlaid hoops $25.00 Extra
Chrome metal parts .................................................. 12.50 Extra

Junior Model

The widespread use of Tenor Drums in adult corps has created a demand for a similar drum in a smaller size for junior corps. Ideally suited for this use is the 10"x15" Junior Tenor Drum which is constructed exactly like the No. 2855 with double claw rods, mahogany shell, maple counter hoops and matched white calfskin heads. Naturally, it has no snares. Matches Nos. 260 and 258 Parade Drums on pages 51 and 52 and the Scotch Bass Drum on this page—all fine toned, light, easy-to-carry drums for corps whose members' ages are between 12 and 18 years. Made in single tension only. Sticks and Sling Included.

No. 259—10"x15" Mahogany Shell, Maple Hoops and Nickel rods $25.00
For choice of lacquer colors on shell and hoops $1.50 Extra

Junior Scotch Bass Drum

An authentic Scotch Style Bass Drum designed especially for junior drum corps work. The narrow shell, smaller size and resulting light weight make it an easy drum to handle. No protruding thumbcrews to interfere with difficult maneuvers. Made with genuine mahogany shell, maple counter hoops and nickel plated rods with double claw hooks. Fine matched calfskin heads. Equipped with heavy ring for fastening drum to sling. Single tension only.

Complete with Sticks and Sling.

No. 773—Size 8"x24" Mahogany Shell, Maple Counter Hoops and Nickel plated Rods. (8 to 12 years) $32.25
No. 775—Size 8"x28" Mahogany Shell, Maple Counter Hoops and Nickel plated Rods. (12 to 16 years) 33.75
No. 777—Size 8"x28" Mahogany Shell, Maple Counter Hoops and Nickel plated Rods. (16 years or older) 38.25
Lacquer colors on shell and hoops $1.50 Extra

Page 53
Web Snare Drum Sling
Made of stout, wide webbing that will not cut into the shoulders on the longest parade, and strongly sewn. Greatly improved and sturdier swivel snap and hook will not straighten out. Easier to attach to, and detach from, the drum too. Sling fits 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 at the back and fastens to the drum shell carrying ring and two rods 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.
No. 741—Easy Carry Bass Drum Sling. Specify color $2.50

No. 246
No. 741

No. 721

No. 740

No. 546

Detachable Drum Leg Rest
More thoroughly adjustable than any other leg rest on the market. Can be attached to or removed from drum, easily, quickly, and without the use of tools. Fits any model parade of tenor drum, and will not mar the shell finish. Properly reinforced. No. 244—In Nickel $2.50
No. 248K—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 batter 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 cost in heads alone. Specify drum shell size when ordering.
Each $3.00
No. 742—This holder is inserted and buttoned under uniform coat. Music holder slides into breastplate tube and is held securely with a wingnut screw. Ideal for snare drummers and piccolo players. Nickel plated $2.50

Music Holders

Lamb’s Wool Cushioned Cymbal Pad and Strap
Lamb’s wool covered horsehide cymbal pads and strap permit full cymbal vibration and protect the knuckles from bruising. Soft, strong and really the very finest and most practical cymbal holding device made. The only correct holder for cymbals used in pairs.
No. 413—Lamb’s Wool Covered Pad, each $1.60
No. 414—Lamb’s Wool Covered Strap, each $.90

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 cymbal firmly but permits full-est vibration. Handle equipped with adjustable leather strap for the hand.
No. 472—Improved Cymbal Holder, Ea. $1.50

Standard Hand Cymbal Holder
Standard wood handle with adjustable strap. Cymbal fastens to the handle with a bolt from the under side of the cymbal. A well-known, and very satisfactory handle.
No. 750—Standard Cymbal Handle. Each $0.75

Horsehide Cymbal Pad and Strap
Protects the hands and knuckles. Above illustration shows how pad and strap are put on cymbal. Illustration of No. 420 shows how knot is made in ends of strap.
No. 420—Horsehide leather cymbal strap. Each $0.25
No. 746—Horsehide leather cymbal pad. Each $.50

Bass Drum Cymbal Holder and Wire Beater
New design holder, fastens securely to bass drum hoop with Ludwig Hold-Tite clamp. Adjustable arm permits most convenient location of cymbal on drum shell. Cymbal rests on felt-covered wood block and is held securely by felt pad and wing nut. Permits full cymbal vibration. Will not mar hoops or bass drum shell. Nickel plated metal parts.
No. 474—Bass Drum Cymbal Holder $1.75
No. 751—Wire Loop Cymbal Beater, 10” wire loop. Wood handle $.75

Drum Major’s Whistle
No. 524—Drum Major’s Whistle used in Drum Corps and Bands to denote commands. Shill, strong, and reliable. Molded composition, with ring for neck cord $0.30
Ludwig Tenor Drum Sticks

No. 562—This is a widely popular short model stick with the large lamb's wool ball that gives a sustained Tenor Drum tone. Turned ball-end hickory handles are equipped with rawhide thongs to facilitate twirling. Most practical twirling model. Sold in pairs, 12½" long. Per pair $1.00.

No. 574H—Solid felt balls held by two metal retaining washers to turned ball-end hickory handles. Leather thongs for easy twirling. Ideal for junior or adult corps work because of their extreme durability. Splendid for practice purposes, also. Sold in pairs, 11½" long. Per pair $2.50.

No. 574R—Made with a slightly lighter felt ball than the No. 574H. Flexible rattan handles with ball-ends and leather thongs for flashy beats. Finest materials throughout and handsomely finished. A popular model. Sold in pairs, 14" long. Per pair $2.50.

Ludwig Scotch Bass Drum Sticks

No. 569—Three layers of felt securely held by two metal retaining washers to turned ball-end hickory handles with leather thongs for easy twirling. Sturdy, handsomely finished and warranted to give satisfaction. Sold in pairs, 13½" long. Per pair $4.00.

No. 571—Lamb's wool covered felt ball for sustained tones. Handles are finest flexible rattan with turned ball-ends and rawhide thongs for flash. Correctly balanced and weighted. Sold in pairs, 14½" long. Per pair $5.00.


No. 574H—Short model stick with solid felt ball and turned ball-end hickory handles which are equipped with leather thongs for easy twirling. Excellent for fast exhibition twirling. Sold in pairs, 11½" long. Per pair $2.50.

Repair Parts for Parade Drums

For Single Tension Models

(A) Single Tension Thumb Screw Rod
No. 380—12½" thumb screw rod complete with hooks ............................................. $0.50
No. 378—10½" thumb screw rod complete with hooks .............................................. $0.50
(See snare drum rods, page 56, for smaller sizes)
No. SC-9—Threaded single hook ................................................................................. $0.25
No. SC-10—Unthreaded single hook ............................................................................. $0.20
No. SC-98—Center support stud complete with screws and washer ......................... $0.12
No. MD-7—Washe r .................................................................................................... $0.03

(B) Double Claw Hook Rods
No. 367—12½” rod complete with hooks ................................................................. $0.50
No. 368—12½” rod complete with hooks ................................................................. $0.50
No. SD-7—Unthreaded hook ...................................................................................... $0.20
No. SD-8—Threaded hook ........................................................................................ $0.25
No. 398—Center support stud complete with screws and washer ......................... $0.15
No. MD-7—Washe r .................................................................................................... $0.03

For Separate Tension Models

(C and D) Tubular Lug Models
No. L-12—Lug for WOOD hoop drum ................................................................. $0.80
No. L-14—Lug for METAL hoop drum ................................................................. $0.80
No. MD-2—Collar hook for METAL hoop drum .................................................... $0.20
No. MD-6—Collar screw for METAL hoop drum .................................................... $0.15
No. MD-7—Washe r .................................................................................................... $0.03
No. SD-7—Unthreaded double claw hook .............................................................. $0.20
No. SD-6—Collar screw for WOOD hoop drum ..................................................... $0.15

( E and F) New Streamlined Tension Case Models
No. M-4—Tension case (for wood shell) ................................................................. $0.60
No. S-12—Collar screw ............................................................................................... $0.10
No. M-2—Collar hook for METAL hoop drum ..................................................... $0.20
No. MD-7—Washe r .................................................................................................... $0.03
No. SD-7—Unthreaded double claw hook .............................................................. $0.20

Parade Drum Counter Hoops

No. CM-1—15" or 16" metal counter hoop.
Batter side ................................................... $2.50
No. CM-2—15" or 16" metal counter hoop.
Snare side ................................................... $2.50

No. CW-3—Maple wood counter hoop.
Batter side ................................................... $1.50
No. CW-4—Maple wood counter hoop.
Snare side ................................................... $1.50

NOTE: Prices for repair parts listed on this page are for NICKEL PLATED FINISH.

Strainer Repair Parts

No. 335—Military strainer, Complete ................................................................. $2.00
No. MS-6—Snare tension screw .............................................................................. $0.25
No. MS-7—Slide plate .............................................................................................. $0.50
No. MS-8—Slide for shell ....................................................................................... $0.75
No. MS-9—Snare butt (without key) ................................................................. $0.50

Other Repair Parts

No. MD-33—Carrying eye for metal hoop drum .................................................. $0.25
No. 950—Carrying ring for wood hoop drum ...................................................... $0.35
No. 262—Key holder (without key) ................................................................. $0.25

(For wood hoops state shell diameter: 13", 14", 15", 16", or 18")
Pearl inlaid wood counter hoops. State shell size and kind of pearl desired.
Specify for batter or snare side ................................................... $2.25

Page 55
Repair Parts for Drum and Pedals

Streamline Tension Case Models
Self-Aligning tension case for wood shell drums.
No. MD-3—Nickel $0.60  MD-3K—Chrome $0.75
Self-Aligning tension case for metal shell drums.
No. MD-4—Nickel $0.60  MD-4K—Chrome $0.75
No. MD-6—Collar screw for 5" drum $0.15
No. MD-5—Collar screw for 6½” and 7” drum .15
No. MD-7—Collar screw for 8” drum .15
No. MD-7—Collar screw washer .03

Tublar Lug Models
No. 850— Lug for 4” drum ... $0.60
No. 851— Lug for 5” drum ... $0.80
No. 852— Lug for 6½” drum ... $0.60
No. MD-6—Collar screw (fits 4", 5", 6½” drums) ... .15
No. MD-7—Collar screw washer .03
No. MD-2—Collar hook .20

Snare Drum Rods—Single Tension Thumbscrew
No. 373— For 4” drum $0.45
No. 374— For 4” drum $0.45
No. 375— For 5” drum $0.45
No. 376— For 6” drum $0.45
No. 377— For 8” drum $0.50

Juvenile Drum Rods
No. TD-39—7½” rod. For 4316 drum $0.25
No. TD-38—3½” rod. For 4315 drum $0.25
No. TD-37—3½” rods. For 4395 and 4396 drums .25

Parts For Super Speed Pedal—No. 309
No. SS-801—Stand assembly only, No attachments $5.20
No. SS-800—Footboard 1.90
No. SSP-531—Beater rod assembly 1.50
No. SS-528—Cymbal striker. Complete .90
No. SSP-537—Clamp screw for cymbal striker .20
No. SS-357—Clamp screw for beater holder .20
No. SS-84—Beater holder casting 1.00
No. SS-80—Hump casting for beater .65
No. SS-90—Hanger assembly joining foot-
No. SS-88—Spring and hook 1.25
No. SS-86—Spring barrel only .75
No. SS-89—Blocker .35
No. SS-82—Tie clamp .70
No. SS-83—Tie clamp screw .20

Snare Drum Strainers and Parts
No. 339—New improved Standard Snare Strainer $2.50
No. 338—Short lever Strainer. (Used on Pioneer and Universal drums) 2.00
No. 341—Universal Strainer. (For old model Universal and junior snare drums. State shell size) 1.00
No. MD-170—Strainer part .75
No. SP-10—Slide plate .50
No. SL-12—Holder assembly .50
No. SB-11—Snare butt .50

Parts For Speed Pedals—Nos. 326-327
No. SP-801—Stand assembly only, No attachments. Blue lacquered ... $2.50
No. SP-800—Aluminum footboard 1.50
No. SP-528—Cymbal striker .90
No. SP-527—Clamp screw for cymbal 20
No. SP-74—Beater holder casting for No. 326 1.00
No. SP-74—½ Beater holder casting for No. 327 1.50
No. SP-75—Adjustment screw for beater holder .20
No. SP-71—Spring only .20
No. SP-76—Adjustment nut .10
No. SP-69—Adjustment screw .10
No. SP-72—Tie clamp .70
No. SP-73—Tie clamp screw .20
No. SP-77—Hangers joining footboard to beater rod casting .45
No. SP-531—Beater rod assembly 1.50

BASS DRUM RODS
Separate Tension—Self-Aligning—Streamline Tension Case
No. SL-350—Complete assembly as illustrated. Includes all parts listed below, with necessary screws and washers $2.00
No. LS-300—Tension case only .1.00
No. BS-600—Beater screw tension, with collar .45
No. BS-100—Double claw hook. Unthreaded .20
No. MD-7—Collar screw washer .03

Separate Tension—Tubular Lug
No. BL-604—Complete assembly as illustrated. Includes all parts listed below, with necessary screws and washers $1.80
No. BS-500—Tubular lug only. Specify for 6”, 10”, 14”, 16”, or 18” drum .90
No. BS-406—Tubular lug tension handle assembly .45
No. BS-2—Unthreaded single hook .20
No. BS-2A—Threaded single hook .30
No. MD-7—Collar screw washer .03

Single Tension Tubular Handle
No. BS-399—8” drum. $1.00  No. BS-402—14” drum .1.00
No. BS-400—10” drum. 1.00  No. BS-403—16” drum .1.00
No. BS-401—12” drum. 1.00  No. BS-404—18” drum .1.00
No. BS-398—Center support stud, complete with screws and washers .$1.15
No. BS-2—Unthreaded single hook .20
No. BS-2A—Threaded single hook .30
No. MD-7—Collar screw washer .03

Single Tension Tubular Handle
No. BS-399—8” drum. $1.00  No. BS-402—14” drum .1.00
No. BS-400—10” drum. 1.00  No. BS-403—16” drum .1.00
No. BS-401—12” drum. 1.00  No. BS-404—18” drum .1.00
No. BS-398—Center support stud, complete with screws and washers .$1.15
No. MD-7—Collar screw washer .03

Single Tension Scotch Bass Drum Rods
No. BS-390—8” drum. $1.00  No. BS-371—10” drum .1.00
No. BS-372—12” drum .1.00
No. BS-12—Threaded hook .20
No. BS-13—Unthreaded single hook .20
No. BS-398—Center support stud, complete with screws and washers .15
No. MD-7—Collar screw washer .03

Snare Drum Counter Hoops
(Steel for 14” or 15” drum)
For Super-Ludwig Drums (Double flange)
No. SD-58—Snare side. Nickel $7.80 Chrom. $11.00
No. SD-57—Stuffer side. Nickel $4.00 Chrom. $6.00

For Standard Ludwig Drums (Single flange)
No. SF-56—Snare side. Nickel $4.00 Chrom. $6.00
No. SF-55—Stuffer side. Nickel $4.00 Chrom. $6.00

For Pioneer Drums (Single flange)
No. MD-54—Snare side. Nickel $2.80 Chrom. $3.75
No. MD-55—Stuffer side. Nickel $2.50 Chrom. $3.75

For Universal Drum Drums (No flange)
No. UD-54—Snare side. Nickel $1.25 Chrom. $2.00
No. UD-55—Stuffer side. Nickel $1.25 Chrom. $2.00

Bass Drum Counter Hoops
No. BDH-11—Maple counter hoop, up to and including 26” size. Natural finish or any lacquer color $2.00
No. BDH-12—Pearl inlaid counter hoops, with maple edges, up to and including 26” size. State size and color of pearl desired. $3.50
(Larger than 26” size. $4.90)

Parts For Ludwig Original Pedal—No. 310
No. P-504—Stand assembly only. No attachments $3.75
No. P-505—Footboard .75
No. P-503—Beater rod assembly 1.50
No. P-537—Cymbal striker complete .90
No. P-538—Clamp screw for cymbal striker.20
No. P-539—Clamp screw for beater rod .20
No. P-34—Shaft screw .10
No. P-10—Spring only. (For older models) .20
No. P-11—Adjusting screw .10
No. P-8—Tie clamp .10
No. P-8—Wing nut .10
No. P-540—Tie clamp adjusting screw .20
No. P-8—Hook .10

NOTE: Unless otherwise stated all repair part prices are for nickel plated finish.
Ludwig Library of Instruction Books

The Moeller Book
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 up stroke and where, when and why it is used. Not only are the various beats explained, but their uses are made clear to the reader. Regardless of your ability, this instructor will prove a helpful study. New, revised edition. 90 pages.
No. 697—The Moeller Book $2.00

Mallet Instrument Method
The perfect instruction book for beginners on xylophone or marimba. Written by Haskell W. Harr, well-known percussion instructor for more than 30 years. 150 pages. 1942
No. 683—Haskell W. Harr Marimba and Xylophone Method $0.50

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. The elementary instruction was written by Edward J. Besant of the Chicago Symphony Orchestra.
No. 687—Ludwig Tympani Instructor $2.00

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. It is divided into six parts: Section I: Baton Technique and Drill; Section II: Baton Instructions and Rehearsal; Section III: Instruction; Section IV: Instrumentation; Section V: Band and Corps; Section VI: Band and Corps. 1943
No. 695—The Drum Major's Manual $1.00

Blue and Gold Music Folio
A book of 13 fine drum corps musical numbers scored for all drum corps instruments. Contains marches and overtures arranged for both "G" and modern "D" piston bugles.
No. 694—96 pages $1.00

150 N.A.R.D. Drum Solos
A compilation of 150 drum solos contributed by the master drummers and teachers of the National Association of Rudimental Drummers. They are all rudimental in style—some are easy—many are tricky—and some are extremely difficult. Ideal for teachers, students, and professional players as the source book of studies, exercises and solos, 64 pages.
No. 684—150 N.A.R.D. Drum Solos $1.00

How to Twist a Baton
Completely rewritten from cover to cover. Written by Roger Lee, national baton twirling champion. Profusely illustrated with diagrams showing positions of all movements. Contains complete explanations of nine rudimental movements, plus many special movements thoroughly explained and diagrammed. Reveals the secrets of real baton twirling and is written and illustrated so that anyone can now master this art with a bit of diligent study and application. The SUPREME baton twirling instructor of today, based on the original baton twirling book first printed and published by Ludwig & Ludwig, Inc., in 1934. Page size, 3 1/4" x 4 1/2".
No. 689—How to Twist a Baton $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 maneuvers are charted, illustrated, and described. Used as a preliminary to the Ludwig Drum Corps GUIDE.
No. 690—Ludwig Drum and Bugle Manual $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 Snare drum instructions; Counting, Counting, and Counting; and Band and Corps. 10 pages including "D" music. Values to every Drum Corps man.
No. 688—Ludwig Drum Corps Guide $1.50

Other Helpful Ludwig Books
No. 686—Ludwig Vibra-Celeste Instructor (see page 36) $2.50
No. 4401—Ludwig Juvenile Rhythm Band Instructor $1.00
No. 4404—Ludwig Tuned Resonator Bell and Rhythm Band Instructor $1.00
Valuable information on Tuned Resonator Bells, and school rhythm bands is contained in the book "How to Organize Rhythm Bands for Children" which will be sent to teachers or music supervisors FREE upon request.

If you are not receiving The Ludwig Drummer, valuable, newsy, instructive magazine published periodically by Ludwig & Ludwig, Inc., send us your name and address and we will be glad to mail you a copy, absolutely free as often as it is published.
ROY KNAPP
This famous professional player, drum teacher and coach, staff artist at the N.B.C., Columbia, and Mutual Chicago studios, for twenty years has been a BIG TIME LUDWIG-ER
# Ludwig & Ludwig, Inc. Head Price List

**EFFECTIVE February 1st, 1940**

*(ORIGINALLY EFFECTIVE SEPTEMBER 26, 1939)*

**SUBJECT TO CHANGE WITHOUT NOTICE**

## Ludwig Whitecalf Heads

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<th>Head Size</th>
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For Bass Drum

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<td>8.75</td>
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<td>610</td>
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<tr>
<td>611</td>
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<td>613</td>
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## Ludwig Transparent Crown Heads

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<tr>
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<th>Retail</th>
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<tbody>
<tr>
<td>No. 919</td>
<td>17&quot;</td>
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</tr>
<tr>
<td>No. 920</td>
<td>18&quot;</td>
<td>2.70</td>
</tr>
<tr>
<td>No. 921</td>
<td>19&quot;</td>
<td>3.00</td>
</tr>
<tr>
<td>No. 922</td>
<td>20&quot;</td>
<td>3.30</td>
</tr>
<tr>
<td>No. 923</td>
<td>21&quot;</td>
<td>3.70</td>
</tr>
<tr>
<td>No. 924</td>
<td>22&quot;</td>
<td>4.00</td>
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## Ludwig Selected Calf Heads

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<td>No. 3909</td>
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<tr>
<td>No. 3910</td>
<td>18&quot;</td>
<td>4.10</td>
</tr>
<tr>
<td>No. 3911</td>
<td>19&quot;</td>
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</tr>
<tr>
<td>No. 3913</td>
<td>21&quot;</td>
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</tr>
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<td>No. 3914</td>
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For Bass Drum

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<td>3608</td>
<td>30&quot;</td>
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<tr>
<td>3609</td>
<td>32&quot;</td>
<td>10.60</td>
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<tr>
<td>3610</td>
<td>34&quot;</td>
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<tr>
<td>3611</td>
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<tr>
<td>3613</td>
<td>40&quot;</td>
<td>16.00</td>
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</table>

## Buy Factory Mounted Heads

Special Ludwig factory equipment enables us to tuck heads more evenly and firmly. This insures longer wear; heads do not pull down so easily, and tone is greatly improved.

No. 653 Combination Offer of Ludwig factory tucked heads on Ludwig wood flesh hoops (for snare drum). SPECIAL at only 60c

## Flesh Hoop & Head Tucking Prices

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
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</thead>
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<tr>
<td>640</td>
<td>Flesh Hoop for Snare Drum (State whether Batter or Snare Side)</td>
<td>$0.40</td>
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<tr>
<td>650</td>
<td>Tucking Snare Drum Head on wood flesh hoop</td>
<td>.30</td>
</tr>
<tr>
<td>641</td>
<td>Flesh Hoop for Bass Drum (State Shell Size, also age and make or drum)</td>
<td>.80</td>
</tr>
<tr>
<td>652</td>
<td>Tucking Bass Drum Head</td>
<td>.75</td>
</tr>
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</table>
| 642 | Flesh Hoop for Tymp

## Ludwig Transparent Crown Heads

<table>
<thead>
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<th>Cat. No.</th>
<th>Head Size</th>
<th>Retail</th>
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</thead>
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<tr>
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<tr>
<td>No. 900</td>
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<tr>
<td>No. 901</td>
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<td>No. 903</td>
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<tr>
<td>No. 904</td>
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## "Vellour" Tympani Heads

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<tr>
<td>No. 621</td>
<td>13&quot;</td>
<td>8.50</td>
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<td>No. 618</td>
<td>14&quot;</td>
<td>9.00</td>
</tr>
<tr>
<td>No. 622</td>
<td>15&quot;</td>
<td>9.50</td>
</tr>
<tr>
<td>No. 623</td>
<td>16&quot;</td>
<td>10.00</td>
</tr>
<tr>
<td>No. 624</td>
<td>17&quot;</td>
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<td>11.00</td>
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<td>No. 625</td>
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## Ludwig Whitecalf Banjo Heads

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<tr>
<td>No. 894</td>
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<td>No. 895</td>
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## Ludwig Selected Banjo Heads

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Size</th>
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<tr>
<td>No. 3894</td>
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<td>No. 3895</td>
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<td>3.00</td>
</tr>
<tr>
<td>No. 3896</td>
<td>14&quot;</td>
<td>3.25</td>
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**LUDWIG & LUDWIG, Inc.**

1611-27 No. WOLCOTT AVE.

CHICAGO, ILL.
This sheet brings your LUDWIG & LUDWIG, Inc. catalog prices up to date.

**Important Catalog Revisions**

Effective February 1, 1940. Cancelling All Previous Lists. Price Reductions Marked

### GENERAL CATALOG No. 40-A

<table>
<thead>
<tr>
<th>Page</th>
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<th>Price</th>
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<td>$11.50</td>
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<tr>
<td>*</td>
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<td>$24.00</td>
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<td>Page 27 - No. 8405 Tuned Resonator Bells</td>
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<td>Page 35 - All drum heads — See reverse side of this sheet</td>
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<td>Page 37 - No. 8-364, 4-octave Appollo Marimba</td>
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<td>Page 47 - No. 530, 30&quot; Spinno baton</td>
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<td>Page 49 - No. 8-104 Bell lyra strap (catalog price correct)</td>
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<td>Page 55 - No. 571 Scotch bass drum sticks</td>
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<td>Page 57 - Inside back cover — No. 688 Drum Corps Guide</td>
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### RHYTHM BAND CATALOG No. 40-A

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<td>Page 5 - No. 8405 Set of 8 Tuned Resonator Bells, key of D</td>
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<td>Page 5 - No. 8406 Set of 8 Tuned Resonator Bells, key of E</td>
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<td>Page 5 - No. 8402 Set of 20 Tuned Resonator Bells, chromatic</td>
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<td>Page 6 - No. 4643, 30-Pupil rhythm band outfit</td>
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For extra copies of this sheet, please ask for "February 1st price revision sheet."