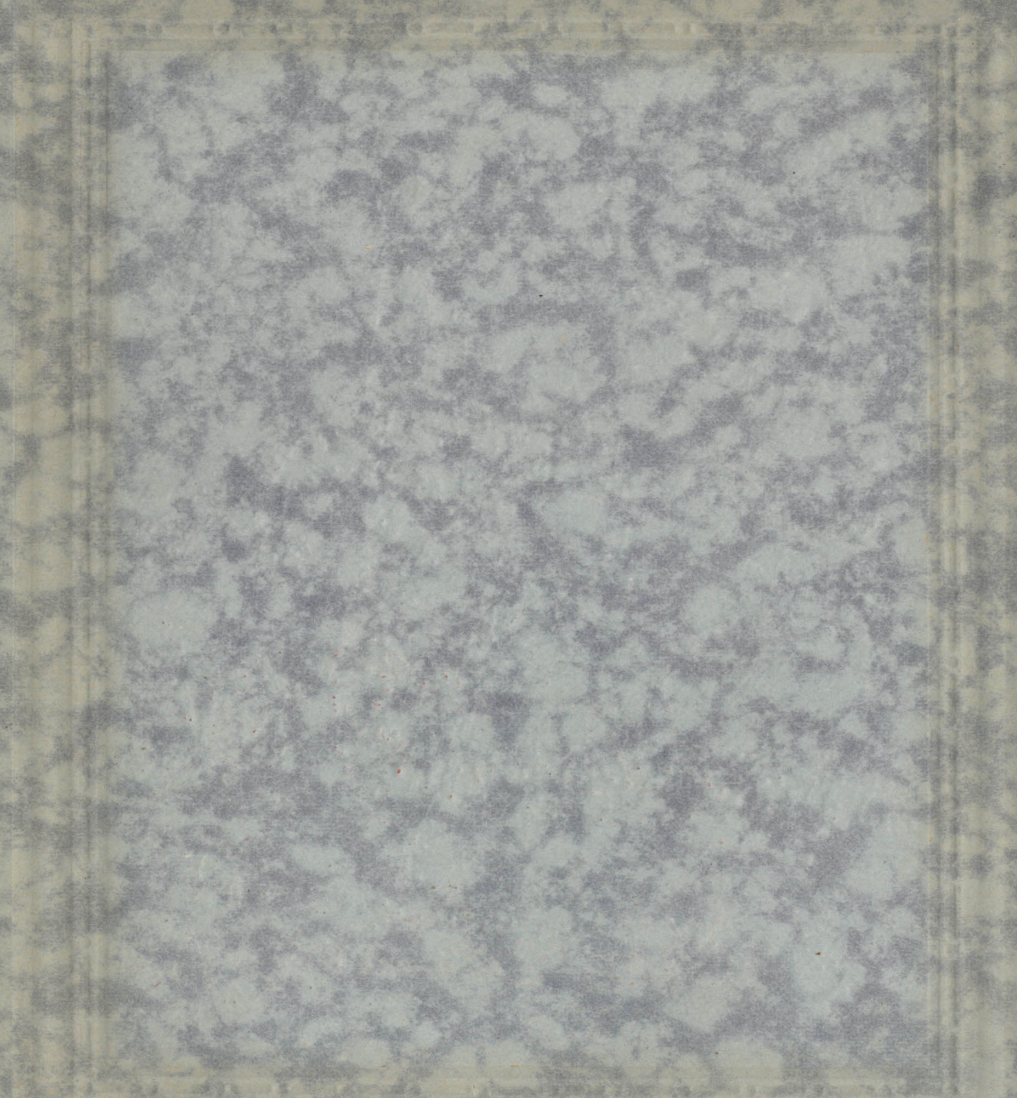




DRUMS AND ACCESSORIES

*From Original Painting
Made for Ludwig & Ludwig*

W. C. C. C. C. C.



W. C. C. C. C. C.



New Ludwigold Irridescent Display Finish

Super-Ludwig Snare Drum



LUDWIGOLD shell finish and "De Luxe" (imitation gold) plated metal fittings

No. 231-CL—5"x14". (Standard popular orchestra size—metal shell model) \$60.00

No. 241-CL—5"x14". (Standard popular orchestra size—solid wood-shell model) 52.50

See pages 8 and 9 for prices of other sizes and models.

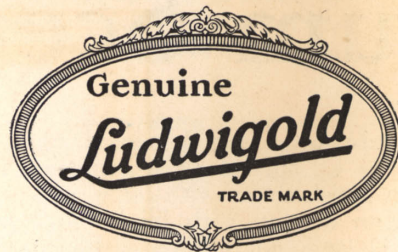
Brilliant flash and golden coloring make the new LUDWIGOLD finish on the Super-Ludwig a marvel of display beauty. It is the peer of all snare drums for playing qualities.

When you walk into the pit or up on the band platform with a new Super-Ludwig, you will then realize the value of what striking display can add to the drum section. It is a drum that adds prominence to the drum outfit, will win approval from your director and comments from your audience.

Super-Ludwig with LUDWIGOLD finish and "De Luxe" (imitation gold) plated metal fittings.

LUDWIGOLD on Professional Model Snare Drums

The genuine LUDWIGOLD finish is supplied only on regular standard professional models under catalog numbers No. 1 to 6 inclusive, Nos. 21 to 26 inclusive, Nos. 231 to 236 inclusive and Nos. 241 to 246 inclusive. See catalog for prices.



Glittering, flashing gold—from a million tiny beveled facets—that's the new LUDWIGOLD display finish.

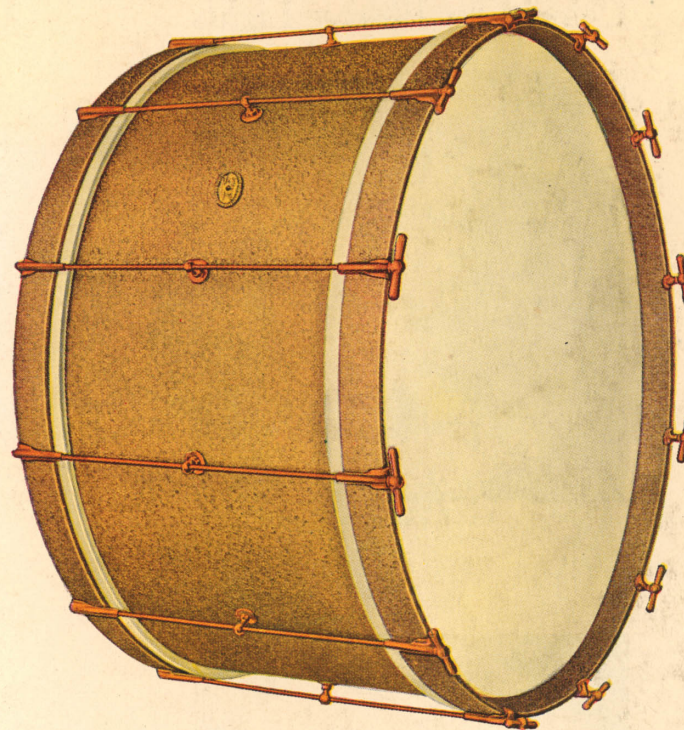
It takes the light and reflects a brilliant radiance like a golden sunburst. No drum finish has ever been evolved that compares with it for show and splendor. Satin-smooth, too, easy to clean and keep clean, strong as well; the most durable of display finishes.

The sparkling golden flash of this newest of Ludwig ornamental finishes will brighten the entire orchestra ensemble. Adds flash, color and beauty to the percussion section. LUDWIGOLD is obtainable on Professional model snare drums, bass drums and tympani as shown in the catalog.

A sparkling sample of LUDWIGOLD will be sent free to you upon request.

LUDWIGOLD or STIPELGOLD at the Same Price

Center-Support Bass Drum



The most popular type bass drum. Shell and hoops finished in irridescent LUDWIGOLD. Center-support type rods, with tympni handles. Ludwig AERO-KRAFT laminated, shell construction. "De Luxe" (imitation gold) plating on rods, studs and tympni handles.

Standard Center-Support Model

No. 203—CL—Size 14" shell width by 28" shell diameter. (Standard Orchestra size) \$53.00
 Painted scenes extra. See other side and catalog page 21. 12.00
 Extra for Blinker Lights 10.00
 See page 23 of catalog for prices of other sizes

Ludwig Separate-Tension Model

The professional double-stud separate tension model. Shell and hoops are finished in LUDWIGOLD. Metal fittings are plated with Ludwig "De Luxe" (imitation gold).

No. 105-CL—Size 14" shell width by 28" shell diameter. (Standard Orchestra size) \$70.00
 Painted scene extra. See other side and catalog page 21. 12.00
 Extra for Blinker Lights 10.00
 See page 22 of catalog for prices of other sizes.

New Series of Ludwig Figure Subject Drum Scenes

Colored for Blinker Lights



JAZZ PIRATES

THEY are hand-painted, hand colored, exclusively Ludwig and painted for us by special artists engaged for this work. The scenes are in lavish colors with color tints as a backing so as to flash brilliantly upon display with blinker lights. The "Black and White" illustrations here do not do them justice for their greatest appeal is in their vivid, artistic coloring.

The color application is waterproof and thinly laid, yet the colors stand out with a strong solid effect.

This type of figure work is expensive but our special arrangement permits us to quote a lower price than that charged by a good figure artist as we buy in large quantities.

If you have any special ideas or scenes you wish reproduced send in sketch or copy of subject and we will quote special prices.

The Ludwig figure scenes are sold only with Ludwig Professional Bass Drums

Ludwig hand-painted, hand colored figure scenes, any subject shown here (28" diameter). Add to the price of drum.....\$12

Added to price of Ludwig Bass Drums cataloged under the following Nos.: Bass drum series Nos. 69 to 90, Nos. 100 to 117, and Nos. 197 to 213. Not furnished with "Universal" model Bass Drums.

For Painted scenes, 30" diameter and larger, add to the price of drum.....\$15 and up.



BATHING GIRL

Flashy-Brilliant Colors



SPANISH DANCERS



NUDE SILHOUETTE



PIRROUETTE AND CLOWN

Standard Size Scene is for 28-inch Ludwig Bass Drum

Two or three weeks extra time is required for special scenes and for sizes other than the 28-inch.

LUDWIG & LUDWIG
 Drum Makers to the Profession
 1611-27 North Lincoln Street Chicago



HISTORY tells us that music has played an important part in the life of man from time immemorial. The search of scientists for details of the life and history of ancient civilizations has always revealed the presence of musical instruments in various primitive forms.

Time was when crude instruments would suffice. A hollowed log or stone with a skin stretched on it made an acceptable form of Tom-tom or Drum. Thus we know that the earliest type of musical instruments were in the percussion form and the rhythmical beat formed the basic element of all music.

The duties of the percussionist of today are highly involved and intricate. Greater delicacy, quiet ease and fleeting responsiveness are but part of the requisites. It then not only falls upon the manufacturer to supply instruments for the new requirements, but also to anticipate the trend and prepare for the changes to come.

This demand has resulted in our grouping around us men of exceptional capabilities, whose skill in designing and building a superior product have made Ludwig drums and accessories without a peer in the entire realm of musical instruments.

LUDWIG & LUDWIG

Drum Makers to the Profession

1611-27 North Lincoln St.

CHICAGO, ILL.

Visit the Ludwig factory on the near Northwest side. Take Logan Square or Humboldt Park elevated to Robey Street station. For street cars use North Avenue cars west to Lincoln Street.

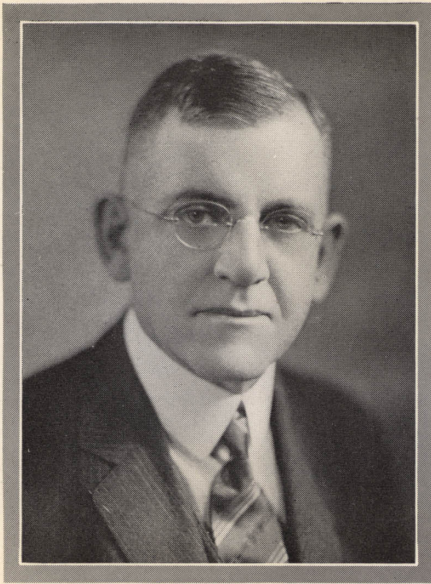
Ludwig & Ludwig occupy the entire building shown here, which comprises three floors and a semi-basement.



1st Issue
1927
Catalog



Officers and Managing Directors



Robert C. Danly
Vice-Pres. and Gen'l Mgr.



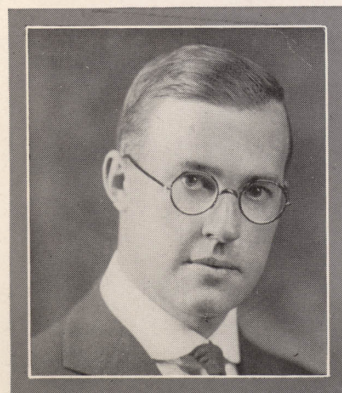
William F. Ludwig
President



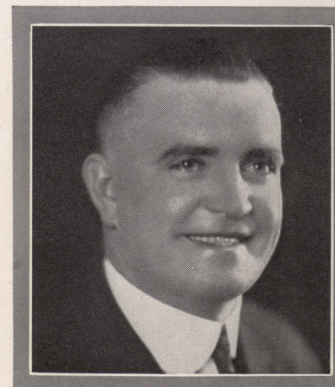
Theobald R. Ludwig
(Deceased)



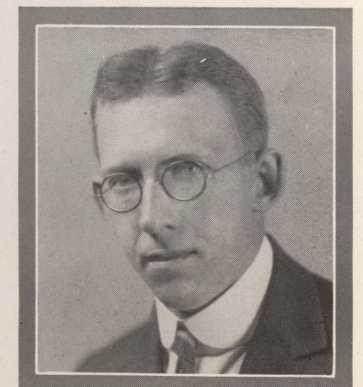
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Manager Credit Dept.



Fred E. Larson
Treas. and Gen'l Sales Mgr.



Arthur E. Davidson
Asst. Sales Mgr.



Arthur A. Barz
Purchasing Agent



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Guarantee

Ludwig Drums, Tympani, and Accessories are guaranteed to give satisfactory service and to be free from defective materials and workmanship.

We cannot guarantee Drum Heads against breakage, due to their destructible nature and the numerous causes beyond our control that may tend to injure or break the head.

Goods of foreign manufacture and all imported merchandise cannot be guaranteed. Articles made to SPECIAL order, also Xylophones, Orchestra Bells, Marimbas, etc., are not returnable for credit or exchange.

Tympani Trunks, Xylophone, Orchestra Bell or Marimba Cases are sold ONLY with the instruments and as the manufacture of these items is beyond our control we limit our guarantee to the responsibility of the manufacturers to make such adjustments as they deem necessary.



Truly—the Drum Standard of the World

The Recognized Standard. Nearly all of the great Symphony Orchestras, Concert Bands, Feature Dance, Theatre and Phonograph Recording Orchestras use Ludwig equipment. Men who know—the exacting professionals—are practically unanimous in their endorsement of Ludwig Drums and Tympani. Many of these men are shown on the following pages and this approval and overwhelming popularity among the leaders in the profession has truly earned the title of “The Drum Standard of the World.”

New Developments. The original Ludwig Foot-Pedal, the Ludwig All-Metal Separate Tension Snare Drum and the latest achievements the Natural Way Balanced-Action Pedal Tympani and the Super-Ludwig are some of the notable contributions that were first sponsored and inaugurated by Ludwig & Ludwig. We have led the way in designing and developing many new and practical items that are now recognized as standard and in general use by the profession. New and better ideas in construction, refinement in design and extreme simplicity in operation and performance are characteristic qualities of all Ludwig Products. We endeavor not only to anticipate your requirements, but also to sense the trend of new developments.

Complete Supervision. Ludwig Drums are completely built and assembled in our own plant. We are not dependent upon outside sources for any part or item that goes in to make the finished product. Every step in the process from the selection of raw materials to the final assembly and inspection is made under our direct supervision.

“The Ludwig Drummer.” This is a magazine issued regularly by Ludwig & Ludwig in the interests of the drummer and tympanist. Contains many interesting features, instructive, educational and entertaining articles. Also photos of prominent users of Ludwig equipment. This publication will be sent FREE to your home or permanent address upon request. If you are not on our mailing list now, send us a post-card telling us where to send your copies.

Service Department. A special department composed of practical and experienced men is ready to answer questions of service, repair and adjustments for Ludwig Drums and Accessories.

The Drummer's Requirements. Every professional model Ludwig drum is inspected and tested under the supervision of William F. Ludwig. Each drum must be perfectly constructed, play easily and work snappily. We believe in personal service. We know that personal attention and quality workmanship are requisites of the professional drummer and we propose that you get it in all your dealings with Ludwig & Ludwig.

History and Organization. Ludwig & Ludwig was founded by Wm. F. Ludwig in 1908 and was afterward joined by Theobald R. Ludwig who died in 1919. The first manufacturing consisted of making the Ludwig Foot-Pedal that proved a revolutionary advance over the hand made swing beaters of that day. They were made by Robert C. Danly (now vice-president and general manager), a mechanical expert who also perfected the mechanical detail of the separate-tension all-metal drum and later produced the first transportable pedal tympani as well as other instruments developed and perfected by him.

Modern Plant. Ludwig & Ludwig now operate the largest, most modern and completely equipped drum plant in existence. A new and enlarged addition recently completed provides a modern daylight plant with unexcelled facilities for the best of quality in Drums and Accessories.

Banjos, Too. The Ludwig Banjo is a late development that is now a prominent factor in the Music World. They are made exclusively in professional models and range in price from \$75.00 to \$1,000.00.

When You Buy. Ludwig Drums and Accessories are sold by practically every dealer in Musical Merchandise. Your local dealer will be glad to serve you—in most instances he can supply you from his stock and will give you prompt and efficient service. We will furnish you with the names of our dealers upon request. In the event that there is no Ludwig dealer or you are unable to secure exactly what you require, we will supply you direct from the factory.

Professional Record of William F. Ludwig

Omaha Exposition
Grand Opera House, Chicago, Ill.
Brooke Band, New Orleans, La.
Brooke Band, Buffalo Exposition
Phinney's Band, St. Louis Exposition
Phinney's Band, Jamestown Exposition
English Grand Opera Co., Four Seasons' Tour
Madam Butterfly Grand Opera Co.
Pittsburgh Symphony Orchestra
Chicago Grand Opera Company
Chicago Symphony Orchestra



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Codes Used: Bentley's, A. B. C. 5th Edition and Western Union Five Letter
Long Distance Phone: Armitage 0067

OBSERVANCE of the following directions will avoid delays caused by unnecessary correspondence and exchange of letters before your order is filled. Drummers are requested to order from our dealers wherever possible; but in localities where we are not represented we will send our merchandise upon receipt of list price.

Special Drums and accessories will *not* be made by us. Do not ask to have changes made or the specifications altered on our products. All Ludwig drums and accessories are made to our *standard* specifications to suit the practical requirements of the great majority. Our production methods make it impractical to manufacture special and individual products. The standard Ludwig drum or accessory is a proven and tested product and will be found in most instances to serve you best.

We Reserve the right to improve, change the specifications or redesign Ludwig merchandise without being obliged to furnish the same on our products sold previous to such changes.

Drums are measured by the width of the shell proper, and its diameter. The counterhoops are always ignored—also over all dimensions. For instance, the distance from head to head is considered the width. The diameter is the distance measuring across the drum shell from its periphery, or the inside diameter of the counterhoop.

Drum Rods are designated by shell width only—not over all, therefore a 12" rod is for a shell 12" wide—there is sufficient allowance to take care of the counterhoops.

Counter and Flesh Hoops are measured by their inside diameters. Our hoops are made to fit Ludwig shells only. State whether for batter or snare side, wood or metal and kind of drum. They are sold as an accommodation for repairs to our own make of drums. Packing and shipping costs exceed the sales price and we cannot accept them as return for credit or exchange if you do not order them correctly. Use extreme care in measuring and give us *exact* specifications.

Drum Bags and Drum Cases are designated by the shell size only—sufficient allowance is made to cover over all. State make, model, and size of drum.

ORDER BY CATALOG NUMBER

*Prices Are Subject to
Change Without Notice*

Drum Heads should be ordered always by catalog number, giving both the diameter of head and diameter of drum. Always state exact quality desired; also whether batter or snare side. Never order heads by one dimension only. For instance, 16" head or 32" head. We cannot fill this kind of an order. You must state 20" head for 16" drum or 36" head for 32" drum.

We do not guarantee drum heads on account of their destructible nature and susceptibility to breakage under climatic changes. Drum heads that have been soaked cannot be returned for exchange or credit.

In Ordering state how goods are to be shipped—whether by freight, express or mail. In the absence of shipping instructions, we will ship by what we consider the best way—cost, quickness and safety being considered.

All Prices are f. o. b. Chicago, Ill., and subject to change without notice.

Repairs and Parts are made for Ludwig goods only. We cannot furnish replacement parts for drums other than our own make. Give full description; preferably a rough drawing or marked cut from catalog.

Return Goods: All merchandise ordered from us which is not found satisfactory may be returned for credit, and should in all cases be sent prepaid.

Prepay the Charges when returning merchandise. Write or mark your name and address plainly on the cover of the box or package. Do not enclose any writing; send the instructions and information by separate letter.

Remittances: Make all remittances by express or postal money orders, drafts or cashier's checks. Do not send currency. Orders less than \$1.00 may be paid in postage stamps. All retail orders must be accompanied by sufficient money to pay for the order or sufficient deposit to allow us to ship the goods; balance, *C. O. D.*

All Telegrams must always be sent prepaid. We do not accept collect telegrams. Orders sent by telegraph are accepted at sender's risk. We cannot be held responsible; therefore, be very specific as to what is desired. Confirm your telegrams by letter.

Ludwig & Ludwig

Drum Makers to the Profession

1611-27 North Lincoln Street, Chicago, Ill.

We will consider it a special favor if you will keep us posted as to your correct address at all times, especially when a change is made. This will enable us to keep our mailing list up-to-date and correct.



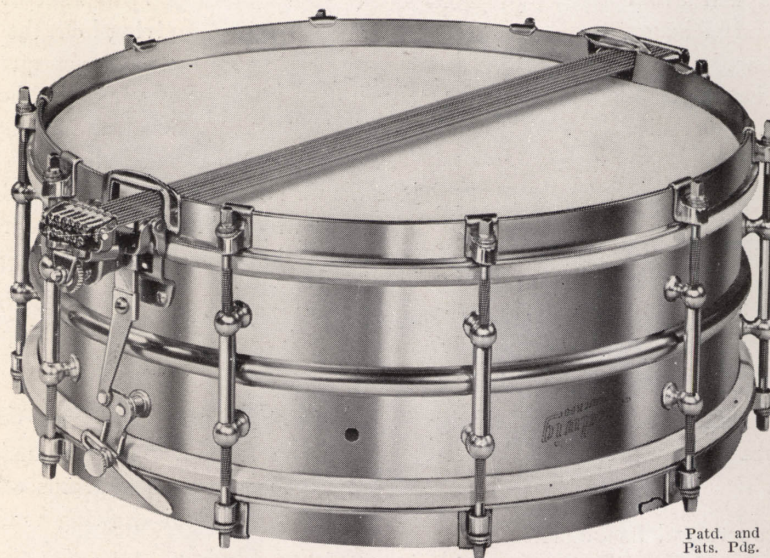
The New Super-Ludwig

An "Upside Down" View

THE SUPER-LUDWIG is another important contribution to the drum world. It is new—such a radical improvement over all existing models that it is ten years ahead of the rest of the field.

New principles of snare control and snare adjustment are embodied in this wonder model. Ludwig & Ludwig have been granted basic patents on many features and others are pending.

Mr. Wm. F. Ludwig, President of Ludwig & Ludwig and Mr. Robert C. Danly,



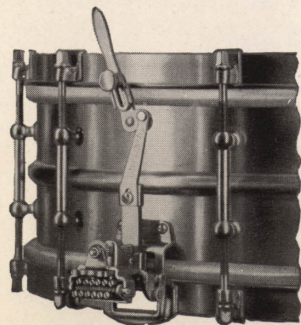
Patd. and
Pats. Pdg.

The Super-Ludwig Snare Control is not sold separately nor can it be attached to any other model drum.

Simple and Compact Arrangement

The Super-Ludwig Snare Control has but ONE MAIN adjustment (no more than the old type of drum). It is compactly arranged and adjustable in a moment.

Note how the lever extends above the counter-hoop for stick throw-off. It can be adjusted also to a position below the hoop for packing in drum case or use as a hand throw-off.



Super-Ludwig Snare Control

Individual Snare Control

Just what it means—an individual adjustment of each snare. Each snare can be separately adjusted with a turn of the hand.

Parallel Snare Throw-Off

The snares are thrown on and off in a parallel line. This enables the tension and lay of snares to be absolutely the same whether they are engaged or thrown off for muffled drum.

Greater Response and Control of Snare Action

The snares have a LONGER playing action and vibrate freely at any point from the rim to center of drum. The drum plays EASIER than any you have ever tried. Snares will respond to the most delicate pianissimo at the edge of the drum without forcing. You can work up to a crescendo roll gradually with ease and feel sure of the snare action every stroke of the stick.

Uses Either Gut or Wire Snares

Change from gut to wire in an instant. The first drum ever designed that worked equally well with gut or wire.

Vice-President and General Manager, have incorporated twenty years of experience in designing and the making of drums into this one feature model.

Rightfully termed the SUPER-LUDWIG for it is superior to all previous models. For the first time in the history of the music industry we can now really recommend this drum to end the drummers' "Snare problems" AND GUARANTEE PERFECT SNARE CONTROL AND SNARE ADJUSTMENT.

Change to Gut Or Silk-Wire Snares

The Super-Ludwig drum can be used with either gut or silk-wire snares. They are regularly equipped with gut but silk-wire can be obtained if desired.

Extra snares for the Super-Ludwig include a spring steel holder to keep the snares straight, the snares and the mounting of each snare in the individual screw adjustment. Complete as shown here. See page eight for prices of extra snares.





Snare Control

SNARE control has been the bug-bear of the professional drummer. If you have ever had your snares set properly and working sharp and crisp to the touch, then you know the joys of having a drum in perfect condition. But heretofore you could never depend upon it to last—something set things awry. Damp weather, moisture in the theatre pit, refrigeration and cooling systems have often changed the original adjustment of your drum so that it was difficult to keep the drum “tuned” for easy and positive snare response.

Many a drummer has often wished for a simple and practical device that permitted an individual adjustment of each snare. Each snare will stretch or shrink differently than its mate and it really is a necessity to have the adjustment for every snare.

Gut is never absolutely uniform and no maker in the world could ever guarantee it so. That means that you **MUST** have individual control of each snare to set the snares properly and to keep them in perfect adjustment.

The Snare Throw-Off is Positive

The throw-off is made with the touch of stick or the hand. An extension lever permits a fast working stick throw-off and throw-on without missing a beat. The lever can be turned down for hand action and when drum is being packed for carrying. The Super-Ludwig snare throw-off is sure and positive in action. It cannot “miss” for it is a simple rocking movement, purely mechanical and works with a touch.



Sure-fire action, positive throw-off and back on again, together with the many other features of snare control, make it the drum for you who are looking for the best that money can buy.

Crisp and Lively Snare Action

Professional drummers claim it is the finest percussion instrument ever turned out. It is unequalled for ease of playing and is so sensitive that the finest pianissimo roll can be made without a semblance of forcing. The long play of snares permits a delicate responsiveness at the edge of drum for pianissimo rolls and the delicacy of snare adjustment makes it adaptable for any and all kinds of drum work.

Practical—Efficient

THE SUPER-LUDWIG is a proven and highly practical drum. It has been tried out under conditions that would destroy the efficiency of any ordinary drum. The professional drummer can depend upon it. It's sure, positive in action and absolutely reliable.

The snares are always under tension. That means they cannot twist nor curl and will lie straight and even. The life of the snares is prolonged and they ought to last almost indefinitely. The snares will play smoothly and easily.

The SUPER-LUDWIG control keeps each snare in an even and separate lie. They cannot bind for each snare is lined up and the tension keeps them from “bunching” or touching one another. They are free to play and vibrate, yielding a maximum of action.

See pages 8 and 9 for description of wood-shell and metal-shell models

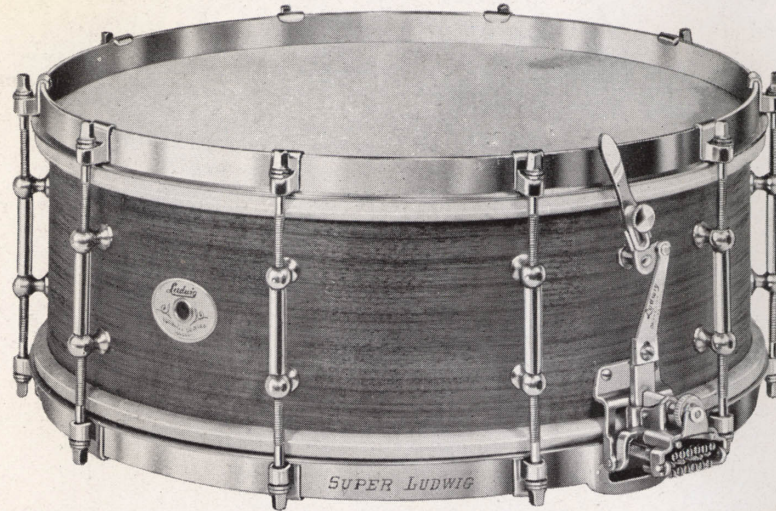


The Wood-Shell Super-Ludwig

THE wood-shell Super-Ludwig is a beautiful drum with its fine marking of the natural wood enhanced by hand rubbing and polishing.

Standard models are nickel plated, of solid walnut, natural finish. Mahogany, maple, white enamel, or black ebonized shells optional.

Wood-shell drums are still the favorite of many of the professional drummers. The Ludwig Super-Ludwig has a solid wood shell acting as a rigid side-wall and support for the heads and tensioning rods.



STANDARD model has heavily plated nickel fittings. Equipped with ten (10) separate tension rods. Has flanged non-rusting counter-hoop.

Heads are our own best make, "Wm. F. Ludwig" selected White-calf batter head and Ludwig "Crown" head for snare side.

Regularly equipped with gut snares, silk-wire is optional.

It is an exact duplicate of the Super-Ludwig in the metal shell and all the new features are built into it. This model is extremely handsome in the "De Luxe" plated rods and fittings or genuine gold finish on the metal parts. The warm tones of gold harmonize with the rich brown walnut wood in its fine marking and high finish.

Extra Snares For the Super-Ludwig

You can change to either gut or silk-wire snares on your Super-Ludwig in less than a minute. Simply loosen both thumb-screws on the snare holder and remove your snares, then insert the new snares and tighten the thumb-screws.

Extra snares for Super-Ludwig drum include spring steel holder, the snares and snare mounting in the individual screw adjustment feature.

No. 671. Gut snares, complete as shown \$4.50

No. 672. Silk-wire snares, complete as shown. 4.50



Be sure to give diameter of your drum.

Prices of Standard Wood-Shell Super-Ludwig Drum Nickel Plated Trimmings

No. 241.	5" x14"	(Standard All-Round Model)	\$40.00
No. 242.	6½"x14"	(Concert Theatre Model)	40.00
No. 243.	6½"x15"	(Band Model)	40.00
No. 244.	5" x15"	(Theatre model)	40.00
No. 245.	4" x14"	(Dance Model)	40.00
No. 246.	4" x15"	(Concert Dance)	40.00

Specify Finish Desired

With **De Luxe** plated (imitation gold) trimmings and Walnut, Mahogany, White, Black or Ludwiggold shell finishes. Above sizes **\$52.50**

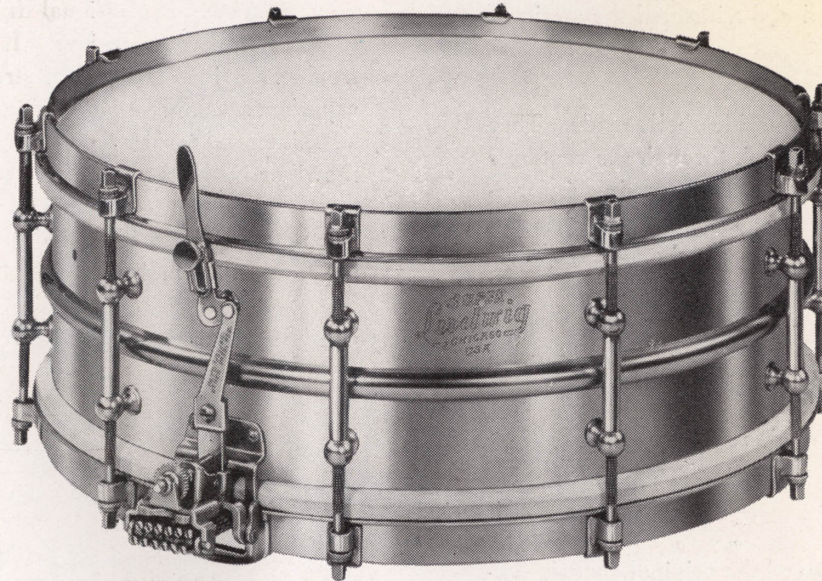
With **Gold-Trimmed** (genuine gold) on metal parts and either Walnut, Mahogany, White, Black or Ludwiggold shell finishes. Above sizes **85.00**



Popular Metal-Shell Super-Ludwig

THE Super-Ludwig in the metal shell drum has ten (10) separate tension rods on all models. Flanged non-rusting counter hoops are heavily nickeled. This type of hoop holds the flesh hoop straight and evenly.

The snare action is governed by the wonderful Super-Ludwig snare control. Gut snares are regular and will be furnished unless silk-wire is specified.



Pat'd & Pats. Pdg.

Suitable guards are furnished with each Super-Ludwig as protector for the snare strainer.

Snare Control

Perfect control yields perfect snare action—and that's what you require in an easy working and responsive drum. The snares are the "Heart" of your drum. It's a joy to play when the snares crack and snap to the touch. The snare action of the new Super-Ludwig is a guarantee against snare trouble for all time.

The basic principle of having snares lie parallel to the snare head without any turn makes for longer play of snares and greater freedom to vibrate. The Super-Ludwig responds to a pianissimo stroke at the very rim. Each snare is kept in a separate lie and there is no possibility of snares binding or bunching. Snares are always under tension and the adjustment is never disturbed by the throw-off action. It's all so positive, so simple and efficient that your snare problems will vanish with the purchase of your Super-Ludwig.

We recommend the use of Ludwig Square Fibre Cases listed on page 68

THE heads are selected and matched. For batter side the heads are special Wm. F. Ludwig "SELECTED" finest quality genuine White Calf. Snare heads are the new "CROWN" brand, exclusively our own best make and selected for evenness and the proper thickness to match the batter heads.

Ludwig heads are always selected and graded to assure best results on all our professional model drums.

Prices of Metal-Shell Super-Ludwig Drum Nickel Plated Model

No. 231.	5" x14" (Standard All-Round Model)	\$45.00
No. 232.	6½" x14" (Concert Theatre Model)	45.00
No. 233.	6½" x15" (Band Model)	45.00
No. 234.	5" x15" (Theatre Model)	45.00
No. 235.	4" x14" (Dance Model)	45.00
No. 236.	4" x15" (Concert Dance Model)	45.00

Specify Finish Desired

With De Luxe trimmings (imitation gold) and Black engraved, White Enamel or Ludwiggold shell finishes.....	\$ 60.00
With Gold-Trimmed (genuine gold) plated trimmings and Black, White Enamel or Ludwiggold shell finishes.....	90.00
With All Gold (genuine gold) plated over all.....	100.00
With Triumphal (genuine gold) plated over all and hand engraved, hand burnished shell.....	145.00



Construction Detail

STRENGTH of shell is one of the most important features of a good snare drum. The shell must hold to a perfect round and withstand the strain of tensioning and strain of the head.

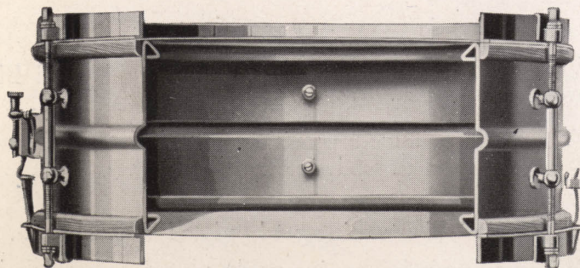
Ludwig all-metal shells are the strongest and most durable shells made. They are guaranteed to hold to round and perfect shape. Look through the vent-hole and examine the detail of construction—note the extra large spun-in reinforcement at the outer edges—see the double reinforced center bead. Special care and pains have been taken to make the shell especially strong at these three points where great strength is required.

The Ludwig all-metal shell is made of SPUN BRASS (not steel as is sometimes erroneously supposed). We “spin” the Ludwig shell, which hardens and tempers the metal and forms it to a perfect round. Ordinary shells are made of spring brass, brazed at the joint and then just “rolled” into shape. Such shells will not and cannot stand the strain of correct tensioning.

The selection of materials is important. We developed the original Ludwig All-Metal Shell, separate tension drum from an obscure position over 18 years ago to its present popular status as the World’s Standard, being used by the greatest majority of professional drummers. We know what metals to select. We know from many years of past experience the best means of working the material, the proper methods of construction and assembly and the result of this experience is included in the purchase price of every Ludwig Drum.

An Inside View

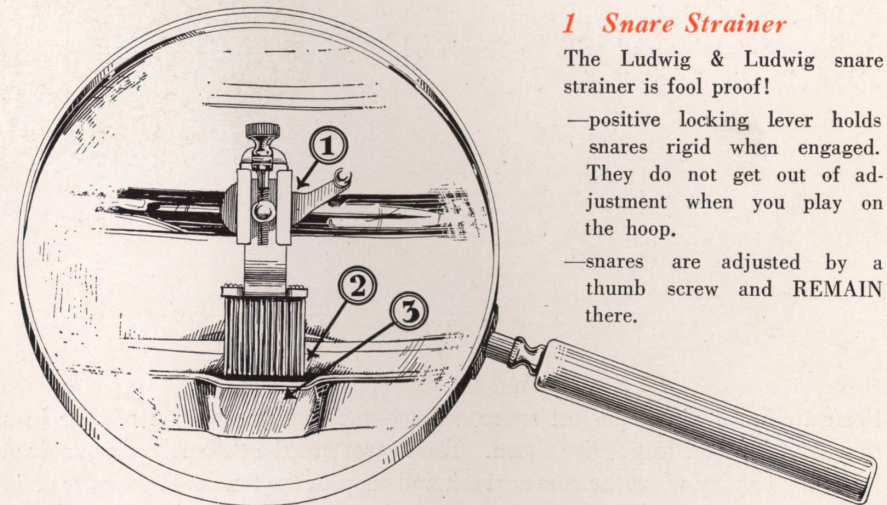
The strongest drum shell made. It is “spun” to shape and round with the famous triple reinforcement features at both edges of shell and the double-bead spun in the center.



The Heart of the Drum

WHEN you come right down to it the heart of a drum is its snares and snare strainer. Professional drummers realize that a drum is no better than its snare or the snare strainer. If your drum is acting up—chances are that the trouble lies in the snares or strainer. You know this from your own personal experience. Because of this fact we have worked for years to design and develop a strainer and muffler that will meet the most exacting tests whether with a “road show” or in the theatre, dance or feature orchestras.

The patented features of the Ludwig & Ludwig snare strainer have met with the approval of the majority of the drumming profession because:



1 Snare Strainer

The Ludwig & Ludwig snare strainer is fool proof!

- positive locking lever holds snares rigid when engaged. They do not get out of adjustment when you play on the hoop.
- snares are adjusted by a thumb screw and REMAIN there.

2 The Snare Bed

- another exclusive feature developed after years of experimenting. The Ludwig Snare Bed is graded and beveled to allow correct centering and lie of the snares.
- this feature acts as a guide for the snare strainer in keeping the snares in perfect lie.

3 Flanged Counter Hoop

- this sturdy flanged counter hoop is non-rusting and nickel-plated. Battering it won't wear off the nickel finish.
- this means longer life for the heads of your drum because you know that rusty flanges and hoops cut and tear the heads. This device eliminates THAT worry.
- this flanged counter hoop holds the hook rigidly and prevents the hoop from turning.



All-Metal Separate Tension Drum

LUDWIG professional separate-tension key rod drum.
 Strongest metal shell snare drum made.
 Six different models to choose from.
 Has ten sturdy and easy threading key rods.
 Flanged non-rusting counter hoop.
 Equipped with a positive action snare strainer and muffler.
 Snare bed is graded and beveled to insure correct centering and lie of snares.



THE Ludwig Professional Model snare drums are equipped with gut snares, silk-wire only upon special request. Heads are special Wm. F. Ludwig "Selected" brand on batter and "Crown" brand on snare side. All metal parts are heavily nicked on standard model.

What Size Drum Do You Require?

The Professional Standard of the World

Professional drummers will immediately tell you that the Ludwig All-Metal Separate Tension Drum is the favorite among the fraternity. There is no better basis for comparison than to hear the enthusiastic endorsement of the many thousands of drummers who use this drum day in and day out.

Ludwig & Ludwig "created" the present All-Metal Shell separate tension model and were the original sponsors for this type of drum in America. Of course there are imitations, but remember that an imitation is only a copy and lacks the concentration and study required to produce the original.

A good drum is a pleasure—it lightens the task and gives you the satisfaction of knowing that the effect is noticed by the director and the audience. You feel sure, you have a pride in your work for it's a joy to play on an instrument that responds to every stroke and tap.

The Popular All-Around Drum

It is 5x14". It is light and sensitive enough for small orchestra and an ideal size for the theatre. It can also be used for band work with good results.

No. 1. Size, 5x14". Price..... **\$32.50**

For Job and Dance Work

It is 4x14", an ideal size for dance or small theatre. It is light and strong, very snappy and quick in response.

No. 5. Size, 4x14". Price..... **\$32.50**

The Concert Dance Model

It is 4x15", a size that is well adapted for dance and theatre work. Small, light and strong, yet sufficient volume for large orchestras.

No. 6. Size, 4x15". Price..... **\$32.50**

The Theatre Model

It is 5x15", for any show that may come along. Suitable for small or large orchestra.

No. 4. Size, 5x15". Price..... **\$32.50**

The Concert Theatre Model

It is 6½x14"—sharp, snappy and full of volume for concert bands, symphony orchestra or musical shows.

No. 2. Size, 6½x14". Price..... **\$32.50**

The Band Model

It is 6½x15", especially designed for large concert band. Has great volume.

No. 3. Size, 6½x15". Price.... **\$32.50**

See Page 13 for prices of Ornamental Models



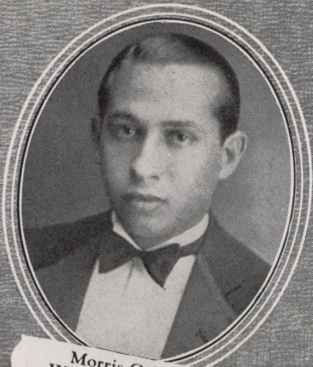
Tympanists and Drummers



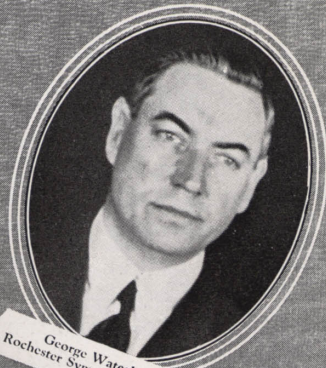
Frank Clegg
Chicago, Ill.



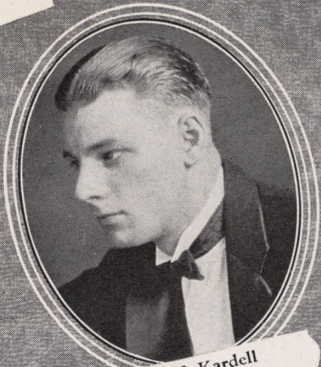
Frank S. Fancher
World's Champion



Morris Getson
Washington, D. C.



George Waterhouse
Rochester Symphony Orchestra



L. W. Kardell
St. Louis, Mo.



John E. Lynch
Ziegfeld Follies



Edward Corlew
Minneapolis, Minn.



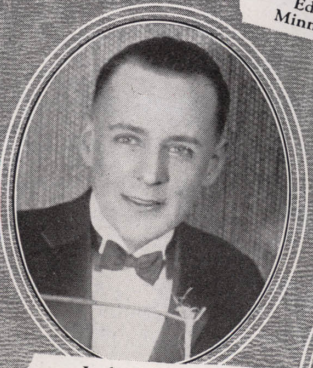
Elmer "Happy" Ruggles
Little Rock, Ark.



Fred H. Schultz, Jr.
Milwaukee, Wis.



Abe Lyman
His Own Orchestra



Leslie J. Meyer
St. Louis, Mo.



Joseph Grolimund
Fergus Falls, Minn.



Carlton A. Coon
Coon-Saunders Orchestra



Albert Sinton
Utica, N. Y.



Jack Willett
Moline, Ill.



Ludwig De Luxe Model

FOR all-around serviceability—for distinctiveness in appearance and for the drummer who appreciates the value of picturesque originality, we recommend this model.

The shell is finished in black nickel and hand-engraved just as pictured. The rods, lugs, snare strainer and counter hoops are plated with the special Ludwig De Luxe finish that closely resembles genuine gold. It has the appearance of gold and yet is less costly.



THIS model is the regular standard Ludwig Professional All-Metal shell snare drum that is in use and endorsed by the great majority of professional drummers the world over. We have produced it in the handsome De Luxe finish to enable the drummer in the band or orchestra to feature his instruments and place them on a par with the gold-plated instruments now in use by many of America's leading orchestras.

Ornamental Finishes

Ludwig De Luxe Finish

The "De Luxe" plating is a special finish that has the appearance of genuine gold, yet wears well. This finish is placed on the rods, lugs, counter hoops and snare strainer. Standard De Luxe model has the black nickel shell with hand engraved design as pictured here. White enamel or Ludwiggold shell if desired. The engraving is furnished only with Black Nickel shell.

Any size (Nos. 1 to 6)\$42.50

Genuine Gold Trimmed Models

The shell is black nickel finish; white enamel or Ludwiggold optional; the counter hoops, rods, lugs and snare strainer are genuine gold-plated. This model makes an ideal presentation drum and is now being used in many leading feature orchestras. Not engraved.

Any size (Nos. 1 to 6)\$57.50

Genuine All-Gold Models

Just what the names implies—the rods, lugs, counter hoops and snare strainer are plated in bright finish of genuine gold. The entire shell is also gold-plated in a soft satin finish. Not engraved.

Any size (Nos. 1 to 6)\$72.50

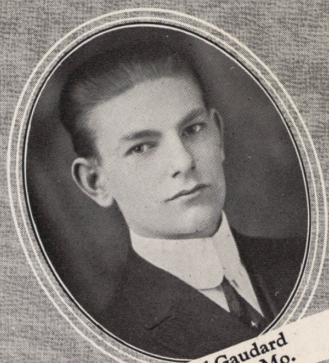
"Triumphal" Model

Special hand-engraved, hand burnished, genuine gold plated model. The shell genuine gold plating, engraved and burnished in a floral design. Hoops, lugs, rods and snare strainer are plated with genuine gold.

Any size (Nos. 1 to 6)\$115.00



Tympanists and Drummers



Rolf Gaudard
St. Louis, Mo.



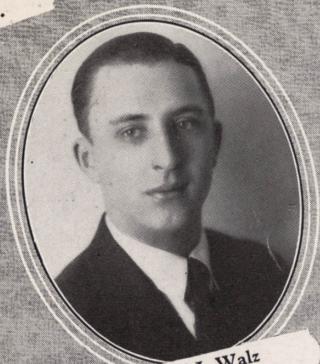
Lawrence Charbonneau
Detroit, Mich.



Harry J. Geilhufe
Chicago, Ill.



Al "Rags" Anderson
Columbus, Ohio



Fred J. Walz
In Vaudeville



S. A. Moeller
New York City



Q. L. Gibson
Fond du Lac, Wis.



Walker J. Stewart
At Chicago



Frank A. Russell
Waukegan, Ill.



J. H. Matson
Australia



Jack Kelly
New York City



Larry King
Syracuse, N. Y.



Theodore Ed. Leverenz
Chicago, Ill.



Howard R. Ingram
Wilmington, Del.



Frederick A. Jessen
Lincoln, Neb.



The Professional Model



- Ten separate tension rods.
- Key tension easy threading rods.
- Finest quality "Select" heads.
- Non-rusting flanged counter hoop.
- Solid walnut shell on standard model.
- Professional Ludwig strainer.

- Correctly beveled snare bed.
- Standard model with gut snares.
- Wm. F. Ludwig "Selected" batter head and Ludwig transparent "Crown" brand snare head.
- Nickel plated metal fittings on standard drum.
- Hand-rubbed and polished solid wood shell.

The Standard Model

THE Ludwig wood-shell professional model drum is equipped with nickel plated metal parts. The shell is solid walnut. Gut snares are standard but silk-wire is optional and will be furnished if requested. The standard model for the professional player who desires a wood-shell drum. This drum can also be secured in Mahogany, Black Ebonized, White Enamel, or Maple, at the following prices:

Numbers, Sizes and Prices

No. 22.	Size, 5" x14" (Standard All-Round Model)	\$27.50
No. 21.	Size, 4" x14" (Dance Model)	27.50
No. 23.	Size, 6½"x14" (Concert Theatre Model)	27.50
No. 24.	Size, 4" x15" (Concert Dance Model)	27.50
No. 25.	Size, 5" x15" (Theatre Model)	27.50
No. 26.	Size, 6½"x15" (Band Model)	27.50

"De Luxe" and "Gold-trimmed" Models

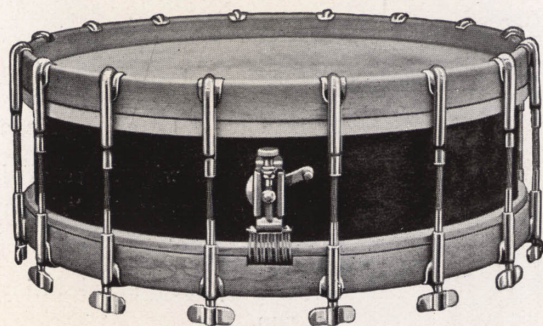
Specify Finish Desired When Ordering

THE above wood-shell model can be obtained with "De Luxe" plated metal fittings. This finish on the rods and lugs is an imitation gold effect. It is similar to the finish shown on the hoops and lugs of the "De Luxe" metal drum pictured on page 13. The shell is solid walnut, or else if desired can also be obtained in Mahogany, Black Ebonized, White Enamel, Maple or Ludwiggold shells.

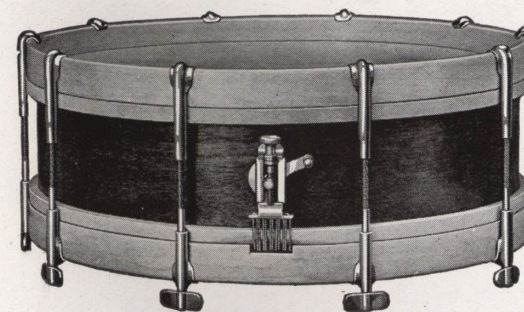
Any size this model (Nos. 21 to 26)	\$35.00
The gold-trimmed model is a genuine plating on all metal parts. Made with either Walnut, Mahogany, Black Ebonized, White Enamel, Maple or Ludwiggold shells.	
Any size this model (Nos. 21 to 26)	\$52.50



Professional Thumb-Rod Drums



Sixteen Thumb Rods



Ten Thumb Rods

THE thumb-rod tension idea is a comparatively new idea—being an improvement over the older types and many of its ardent admirers hate to pass up their old “stand-by.”

You don't need to, for the Ludwig Thumb-Rod model will prove a continual source of joy to you for use in vaudeville, burlesque or dance orchestra work.

The shells are solid walnut or mahogany, counter hoops in natural maple finish. Your choice of gut or silk-wire snares.

The Ludwig patent snare strainer and muffler, sixteen improved thumb-rods, and special low counter hoops make this a very neat and efficient drum.

No. 35. Size, 3"x14"..... **\$22.50**
No. 36. Size, 3"x15"..... **22.50**
No. 37. Size, 4"x14"..... **22.50**
No. 38. Size, 4"x15"..... **22.50**

No. 39. Size, 5" x14".... **\$22.50**
No. 40. Size, 5" x15".... **22.50**
No. 41. Size, 6½"x14".... **22.50**
No. 42. Size, 6½"x15".... **22.50**

ECONOMY is an important item with some of us. If you are playing “movies,” a small theatre or doing transient dance work—you possibly have an idea way down in your system that you should get a good drum at a **POPULAR PRICE**. Look into the merits of this model.

The Ludwig Thumb-Rod Drum has a shell substantially finished and strongly re-enforced.

The hoops are hard maple, in natural finish, with nickel plated thumb-rods, patent Ludwig professional strainer and muffler, best calf heads and choice snares.

All the materials used in the manufacture of this drum are of the highest grade. It is the best drum of its class on the market. Regularly furnished with solid walnut or mahogany shell.

No. 61. Size, 3"x14"..... **\$20.00**
No. 62. Size, 3"x15"..... **20.00**
No. 63. Size, 4"x14"..... **20.00**
No. 64. Size, 4"x15"..... **20.00**

No. 65. Size, 5" x14".... **\$20.00**
No. 66. Size, 5" x15".... **20.00**
No. 67. Size, 6½"x14".... **20.00**
No. 68. Size, 6½"x15".... **20.00**



“Universal” Model Snare Drums



All-Metal Separate Tension Drum

A NEW popular-priced model that we have named “Universal” to distinguish them from the regular Ludwig “Professional” line of drums. The new drum is sold at a more popular price and enables drummers to secure an all-metal shell, separate tension model in a substantial and practical quality at a moderate outlay.

The shell is made of finest grade brass, spun to a perfect round, being rigidly braced by the spun turn-over at outer edges and double bead in the center. Has six regular separate tension key rods and rigid counter hoops. The heads are first quality transparent. Equipped with a patented throw-off snare strainer and high grade silk-wire snares.

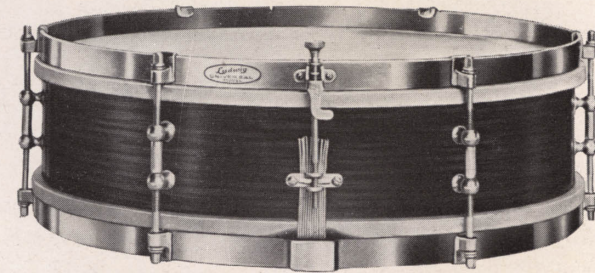
The metal-shell model appeals to the amateur drummer for it has the appearance of the flashy professional drums.

Nickel plated finish only.

Sizes and Numbers

No. 11¶ 4"x14".....	\$20.00	No. 14¶ 4"x15".....	\$20.00
No. 12¶ 5"x14".....	20.00	No. 15¶ 5"x15".....	20.00

The “Universal” models bear the trade-mark and model designation on the counter-hoop as shown in the illustration to distinguish them from the “Professional” models.



Wood-Shell Separate Tension Drum

Regularly furnished in Maple, Mahogany only when specified

A SUBSTANTIAL and practical wood-shell model similar in equipment to the metal shell drum in this type. The shell is maple, finished in the natural color and grain of the wood. This drum is regularly furnished with maple shell, mahogany only upon special order.

Equipped with best grade calf heads, silk-wire snares and patented throw-off strainer and muffler. Has six separate tension key rods that thread easily.

A highly practical drum with the separate tension feature that enables you to “tune” each head independent of the other. This model is a popular-priced facsimile of the standard professional drum.

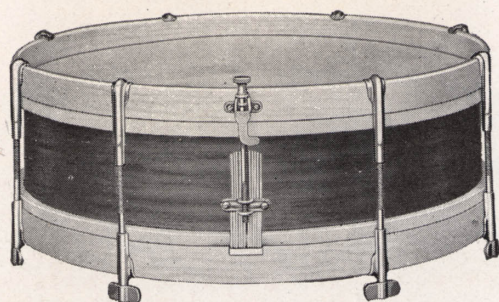
Nickel plated trimmings only.

Sizes and Numbers

No. 30¶ 4"x14".....	\$17.50	No. 33¶ 4"x15".....	\$17.50
No. 31¶ 5"x14".....	17.50	No. 34¶ 5"x15".....	17.50



Tango Model Snare Drum



A DRUM for every occasion is our motto. Here is one for small combinations, for dance orchestras, in the home or school. It is inexpensive, yet contains the best materials and the same care is used in the assembly that is applied to our best models. It is constructed on more economical lines to satisfy the demands of the small orchestra drummer, student or beginner at a moderate outlay.

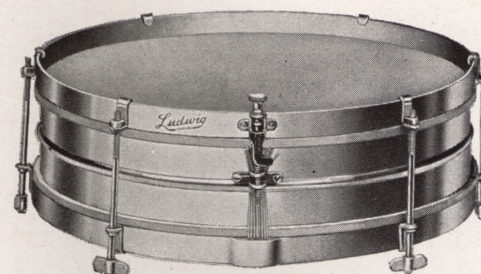
The heads are carefully selected, properly matched and tested so that this drum is very snappy, easy to play and will give genuine satisfaction.

Regularly furnished in mahogany shell, natural maple finish counter hoops, thumb-screw rods, nickel plated, patented snare throw-off and strainer, equipped with silk-wire snares. Made with maple shell optional.

Can be furnished with decorative metal strip if desired

No. 91||	Size, 3"x12"	\$10.00	No. 95||	Size, 4"x14"	\$12.50
No. 92||	Size, 3"x13"	10.50	No. 96||	Size, 4"x15"	12.50
No. 93||	Size, 3"x14"	12.50	No. 97||	Size, 5"x14"	12.50
No. 94||	Size, 3"x15"	12.50	No. 98||	Size, 5"x15"	12.50

Junior Orchestra Drum



Metal Shell Model

A N economical metal shell drum in a popular size. This model is practical for the Junior Orchestra and school organizations. It is constructed of substantial materials and carefully assembled.

Youngsters like the "Flash" of the nickel plated shell of this junior model. That together with the nickeled steel hoops makes a showy drum. It is a very popular snare drum for the young and ambitious drummer in the small school orchestra or band.

The shell is of non-rusting metal, brass nickeled and highly polished and has a center reinforcing bead. The strainer is the patented Tango throw-off muffler and strainer. Snares are silk-wire. Drum is equipped with high grade heads, Ludwig make. It has six sturdy thumb-screw rods.

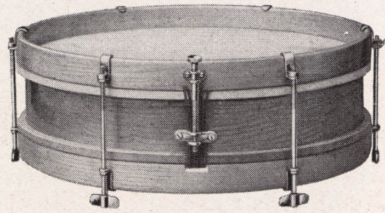
The Ludwig Junior Orchestra Model is an easy playing, snappy drum.

No. 4395. Size, 3 1/2"x13" (Metal Shell) \$10.50

NOTICE: Sticks or slings are not furnished with drums unless so specified in this catalog. All sizes shown on drums are SHELL SIZES, not over all dimensions.



Juvenile School Drum



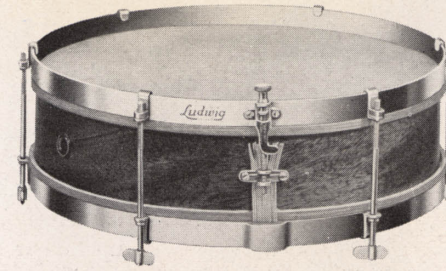
An inexpensive model for the boy and juvenile pupil. It is made with maple shell and maple counter hoops in the natural finish. Equipped with post-type snare strainer and waterproof cord snares.

Has good grade Ludwig genuine calfskin heads.

This drum is made in two popular sizes for the youngsters. Mahogany shell is optional.

- No. 4398. Size, 3"x12"..... \$7.50
- No. 4399. Size, 3"x13"..... 9.00

Junior Orchestra Drum



With Wood Shell

A new Junior orchestra model with wood-shell and metal counter-hoops. Equipped with silk-wire snares and throw-off snare strainer. Standard drums in this model are made with a Mahogany shell.

Heads are good grade, genuine calfskin of Ludwig make. Rods are thumb-screw type, easy threading and sturdy. It is a high grade and popular drum in the correct size for small orchestra combinations. Shell size is 3½"x13".

The wood-shell Junior model is similar in size and make-up to its companion model shown on the preceding page excepting the other drum has a metal shell.

- No. 4396. Junior Wood-Shell Model, 3½"x13"..... \$10.00

Juvenile Snare Drum

The Lowest Priced drum carrying the "Ludwig" trade-mark—and we are proud of it

This is the feature "Holiday" drum. The type of drum that appeals to the youngster at Christmas as well as the year 'round for the school and small juvenile drummer.

"Toy" stuff doesn't go with the boy of today. He wants real heads, tuning rods and the general appearance of a regular professional orchestra drum.

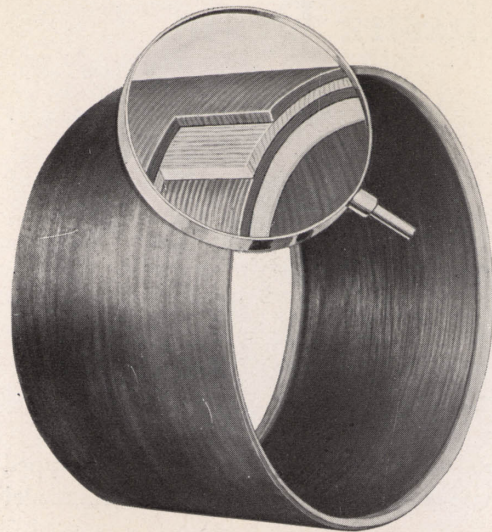
Ludwig Quality Throughout



This model has a polished and nicked metal shell. The counter hoops are of maple, finished in black and banded with a bright metal strip.

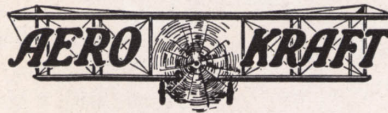
Strainer is of the thumb-screw type. Snares are waterproof cord. Equipped with sturdy thumb-screw tensioning rods. Hickory sticks and web sling furnished.

- No. 4001. Size 3"x12", Juvenile Model..... \$5.00



Superior Method of Bass Drum Construction

The Ludwig method of laminated shell construction is the most modern and improved form of building bass drums. Extreme strength of shell and ability to hold a perfect round are necessary to secure the best drum tone. Bass drum shells fashioned and built in accordance with the recognized correct principles used in the manufacture of aeroplanes are stronger and lighter. They will stand up longer under hard usage, maintain perfect round and are immune to climatic changes.



Government Test of Laminated Construction

According to U. S. Government Air Service Engineers in aeroplane construction the advantages of laminated or plywood construction over solid woods in report No. 84, N. A. for Aeronautics, Washington, D. C., is set forth:

In the first place, "strength with a minimum weight is required," and further, "It is not always possible to proportion a solid plank so as to develop the necessary strength in every direction and at the same time utilize the full strength in all directions. In such cases it is the purpose of plywood to meet this deficiency by cross-banding which results in a re-distribution of the materials."

Drops Ludwig Drum Shell from Aeroplane Nearly Two Miles

In an official test witnessed by Chicago newspaper representatives and International News Service photographer on June 5th, 1923, a Ludwig Drum Shell was dropped several times totalling a distance of 10,000 feet without showing signs of breaking or warping. The photo shows Mr. A. E. Davidson and the pilot Jas. Curran of Ashburn Field, Chicago, Ill., examining shell after the test.



Photo by Inter. News Service

The Trade-Mark on Professional Model Wood-Shell Snare Drums and Bass Drums



Registered

The above label is attached to all Ludwig "PROFESSIONAL" model wood-shell snare drums and Bass Drums. It is a bronzed metal nameplate that is fastened to the vent-hole with a brass grommet. This label is used to distinguish the "professional" highest quality models from the moderate priced line. It is emblematic of the World's Standard in Drums and Accessories. Only genuine Ludwig Professional models bear this mark.

The Ludwig "UNIVERSAL" Line

Trade-Mark



Registered

The Ludwig line of "Universal" models fill the demand for a good substantial type of moderate priced drums adaptable to general practical needs. They are carefully assembled, and are built of high grade materials. The "Universal" models of wood-shell snare drums and bass drums are labeled with a white etched nameplate as shown above.

The Ludwig Inspection Tag

All Professional Model Ludwig Snare Drums are inspected under the direct supervision of Wm. F. Ludwig. They bear an inspection tag to that effect.

All Ludwig Products Are Marked

All metal traps and holders are stamped, cymbals, wood effects and all the various accessories bear the Ludwig label. Look for this mark of the genuine and highest quality on all Ludwig products.



Oil-Painted Color Scenes



Winter Scene



Charleston Dancer



Cabin Scene

LUDWIG hand painted oil-color scenes and the Ludwig "figure subjects" are artistic reproductions. These scenes are designed for brilliant color effects under "Blinker Lights" as well as display on the bass drum without lights.

The combination effect is difficult for the ordinary artist to obtain. We have worked out this problem with special paints and mixture of color to get the best possible display effect.

Special Figure Subjects Hand-Painted in Colors

A new process for figure scenes, hand-painted in a special color application that is waterproof. This type of figure work is expensive but our special arrangement for this type of work permits us to quote a lower price than usually charged, for we buy in large quantities.

The "Black and White" illustration shown here pictures a sample without the color, but the actual scenes are in strong color.

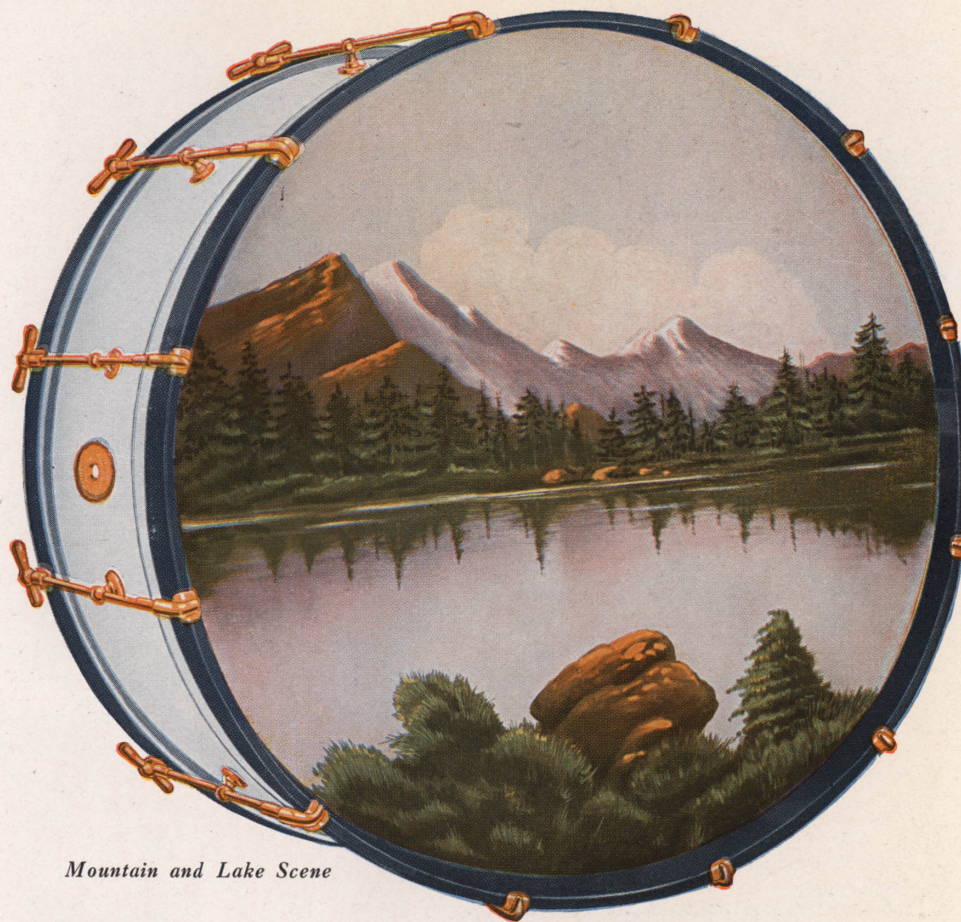
Other figure subjects are Spanish Dancers, Jazz Pirates, Nude Silhouette, Bathing Girl and Pirouette and Clown.

Standard Sizes

The standard size for Ludwig paintings is 28" diameter. Other sizes upon special request.

Sold Only with Ludwig Drums

All Ludwig scenes are furnished with Ludwig Drums only on our regular catalog numbers of Bass Drums, series from Nos. 69 to 90, No. 100 to 117 and 197 to 213. Not furnished with "Universal" model Bass Drums.



Mountain and Lake Scene

- No. 132. Genuine oil painting 28" diameter and smaller. (Specify the scene). Add to price of drum..... \$12.00
 No. 133. Genuine oil painting, 30" and larger. (Specify the scene) . . \$15.00 and up.
 Other scenes not listed are Fishing Boat scene, Forest Fire, Lake scene, Dutch Windmill.

Bass Drum Blinker Lights

Bass drum blinker lights on base, equipped with extension cord and standard socket for 110-volt A. C. circuit. Uses two lamps, red and blue.

- No. 131. Ludwig Blinker Light (2 lamps) \$10.00

Prices of special views and reproductions of special subjects upon request



Separate Tension—Tympani Rod



OUR finest model. The Ludwig Separate Tension Bass Drum is a worthy companion to the best in snare drums. This type of bass drum yields that full resonant tone when both heads are tuned to the same pitch—preferably low “G.”

Equipped with finest grade white calf heads, carefully selected for evenness, tone producing quality and clarity. The tensioning rods are separate tension, with double studs. The standard models have the rods and lugs finished in nickel. The shells are special Ludwig AERO-KRAFT construction, extremely strong, light and durably finished.

The No. 105. 14x28 is Standard and most popular size.



Standard shells are Mahogany with maple counter hoop. Can also be supplied with black ebonized, white enamel, walnut or maple shells at the same price.



Prices and Sizes—Standard Models

Size	Price	Size	Price	Size	Price
No. 100—12x24".....	\$39.00	No. 106—12x30".....	\$50.00	No. 112—16x32".....	\$56.00
No. 101—14x24".....	40.00	No. 107—14x30".....	51.00	No. 113—18x32".....	57.00
No. 102—12x26".....	41.50	No. 108—16x30".....	52.00	No. 114—12x34".....	61.00
No. 103—14x26".....	42.50	No. 109—18x30".....	53.00	No. 115—14x34".....	62.00
No. 104—12x28".....	46.50	No. 110—12x32".....	54.50	No. 116—16x34".....	63.00
No. 105—14x28".....	47.50	No. 111—14x32".....	55.00	No. 117—18x34".....	65.00

Sticks or slings not included.

For Ornamental Finishes Add as Follows:

For De Luxe (imitation gold) plated rods with either Mahogany, Walnut, White or Ebonized shell	\$12.50
For Gold-Trimmed (genuine gold) plated rods, with either Mahogany, Walnut, White or Ebonized shell	35.00
For Ludwigold Shell with Gilded or black hoops and De Luxe (imitation gold) plated rods	22.50
For Ludwigold Shell with Gilded or black hoops and genuine gold plated rods.....	45.00

For Lights and Paintings See Page No. 21



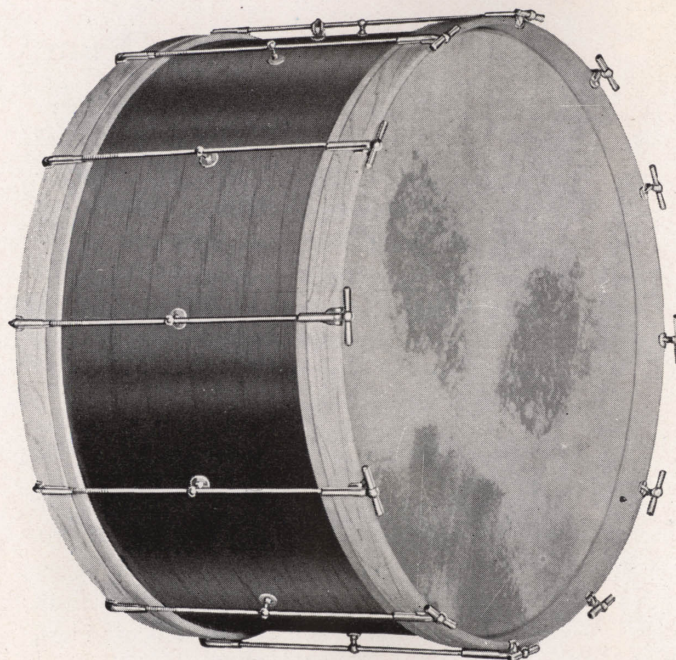
The Most Popular Model

Artists Special

THIS is the most popular model for general professional work. No other drum is so adaptable for general conditions and it has come to be regarded by drummers as the standard type. The center support with tympani handles is a practical improvement that combines easy tensioning with a "support" that tends to line up rods and brace both shell and rods.

The center-support model has all the qualities of tone and appearance so highly desired for any branch of drum work. Used in the theatre, dance orchestras, concert bands and schools.

No. 203. 14x28 is the Standard size.



Tympani Rod

THE tympani handles are of a neat and graceful design, turned from solid bronze. They permit fast and easy tensioning. The rods are of the center support type made of steel and swedged to the tympani handles so that it is practically impossible for them to pull or loosen under the strain of tensioning.

It is an all-'round model—ideal for practically every job you may go on.

Shell is of the special Ludwig AERO-KRAFT construction in Mahogany. Each shell is hand-rubbed and polished similar to a fine piano finish. Heads are finest grade, selected Ludwig genuine calf.

Sizes and Prices of Standard Models

Standard models are equipped with nickel plated rods and Mahogany shell, but can also be obtained with Walnut, Black Ebonized, White or Maple shells at the following prices:

No. Size		No. Size	
197—12x24".....	\$27.00	206—14x30".....	\$36.00
198—14x24".....	28.00	207—16x30".....	37.00
199—12x26".....	29.00	208—12x32".....	39.00
200—14x26".....	30.00	209—14x32".....	40.00
201—16x26".....	31.00	210—16x32".....	41.00
202—12x28".....	32.00	211—12x34".....	43.00
203—14x28".....	33.00	212—14x34".....	44.00
204—16x28".....	34.00	213—16x34".....	45.00
205—12x30".....	35.00		

Rope Models at Same Prices as Above

Sticks or slings not included

For Painted Scenes and Blinker Lights, see page 21

Ornamental Finishes

Extra for Ornamental Finishes, add as follows:

For De Luxe plated (imitation gold) rods with either Mahogany, Walnut, Black Ebonized, White or Maple shells, add..... **\$10.00**

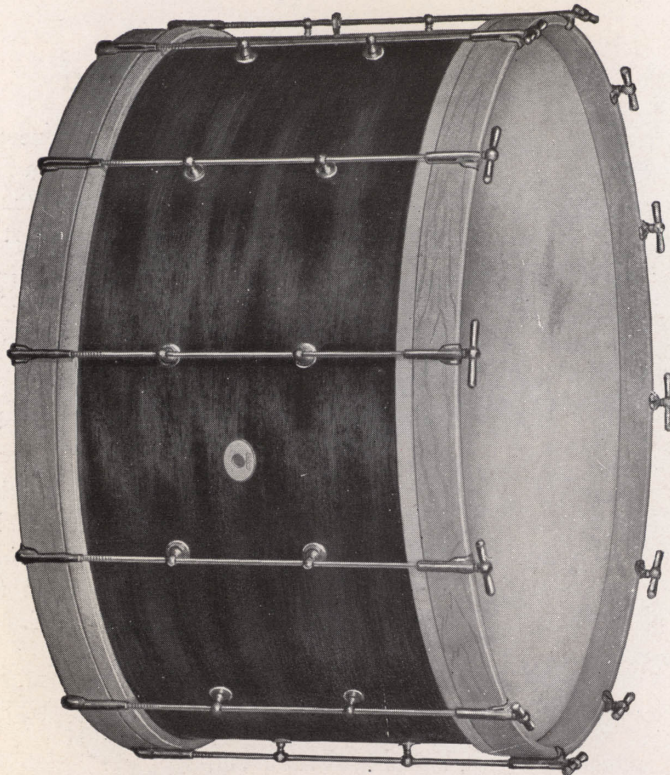
For Genuine Gold Plated rods with either Mahogany, Walnut, Black Ebonized, White or Maple shells, add..... **\$30.00**

For Ludwiggold shell with gilded or black ebonized hoops and De Luxe (imitation gold) rods, add..... **\$20.00**

For Ludwiggold shell with gilded or black ebonized hoops and Genuine Gold Plated rods, add..... **\$40.00**



Professional Models



Double Stud Model

Standard model is made with Mahogany shell, maple counter hoops and nickel plated rods but can be furnished in Walnut, Black Ebonized, White or Maple shells at the following prices:

69—12x24" . . . \$29.00	76—16x28" . . . \$36.50	84—18x32" . . . \$44.50
70—14x24" . . . 30.00	77—12x30" . . . 37.50	85—12x34" . . . 46.00
71—12x26" . . . 31.00	78—14x30" . . . 38.50	86—14x34" . . . 47.00
72—14x26" . . . 32.00	79—16x30" . . . 39.50	87—16x34" . . . 48.00
73—16x26" . . . 33.00	80—18x30" . . . 40.50	88—18x34" . . . 49.00
74—12x28" . . . 34.50	81—12x32" . . . 41.50	89—14x36" . . . 50.00
75—14x28" . . . 35.50	82—14x32" . . . 42.50	90—16x36" . . . 51.00
	83—16x32" . . . 43.50	

Extra for ornamental finishes, see page 23

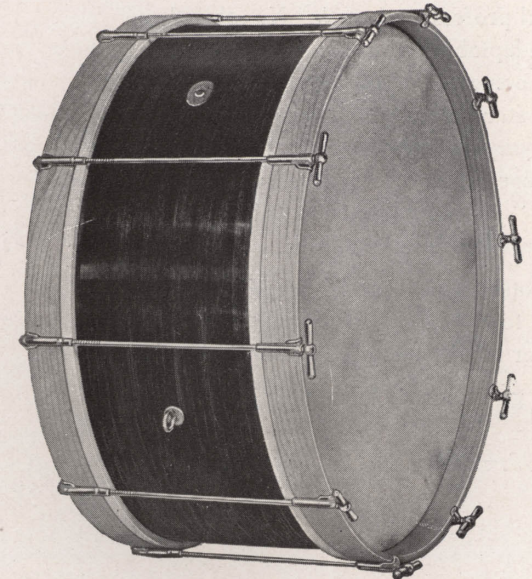
For Painted Scenes and Binker Lights, see page 21

Double Stud Bass Drum

THE double stud model has long been a favorite for the double studs on each rod increase their strength, help to reinforce the shell and line up the rods for easy tensioning. It is the strongest single-tension bass drum that can be made. This type drum is equipped with tympani handle rods. Heads are the best grade genuine Ludwig "selected" calf.

Tango Model Bass Drum

THIS model is smaller, light in weight and easy to transport. They are favored for jobbing work where the larger drums bulk up and make it more difficult for carrying. The tango models are ideal, too, for the smaller dance combinations and in the school orchestras. Tympani handles on the rods. Heads are the best grade genuine Ludwig white calf.



Tango Model

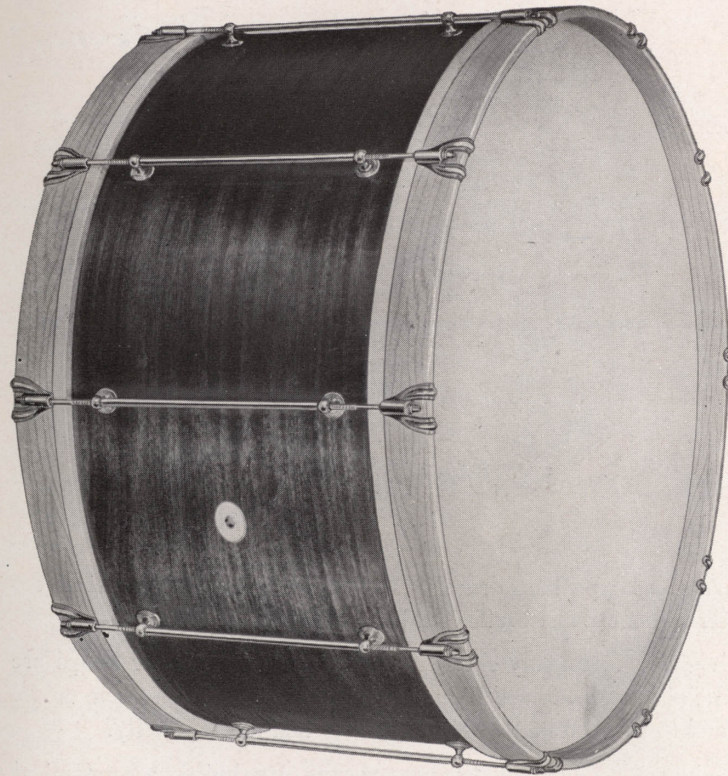
Regularly supplied with Mahogany shell, natural finish maple counter hoops, best grade Ludwig genuine calf heads and nickel plated tympani handle tuning rods. Maple shell optional.



No.	Sizes	No.	Sizes
160—	8x24" \$20.00	163—	10x26" \$24.00
161—	10x24" 22.00	164—	12x26" 25.00
162—	12x24" 23.00		



Professional Models



Key Tension Drum

Shell is standard Ludwig AERO-KRAFT construction. Finest grade professional quality, genuine calf heads. Standard shell finish is Mahogany. Walnut, White Enamel or Black Ebonized finish is optional. The rods, studs and double clamp hooks are heavily nicked. Add for De Luxe finish or genuine gold plated rods and metal fittings.

Numbers, Sizes and Prices

No. 865. 12" x 26".....	\$37.50	No. 870. 14" x 30".....	\$46.00
No. 866. 14" x 26".....	38.00	No. 871. 16" x 30".....	47.00
No. 867. 12" x 28".....	42.00	No. 872. 14" x 32".....	50.00
No. 868. 14" x 28".....	42.50	No. 873. 16" x 32".....	51.00
No. 869. 16" x 28".....	43.50	No. 874. 16" x 34".....	57.00

Sticks or slings not included

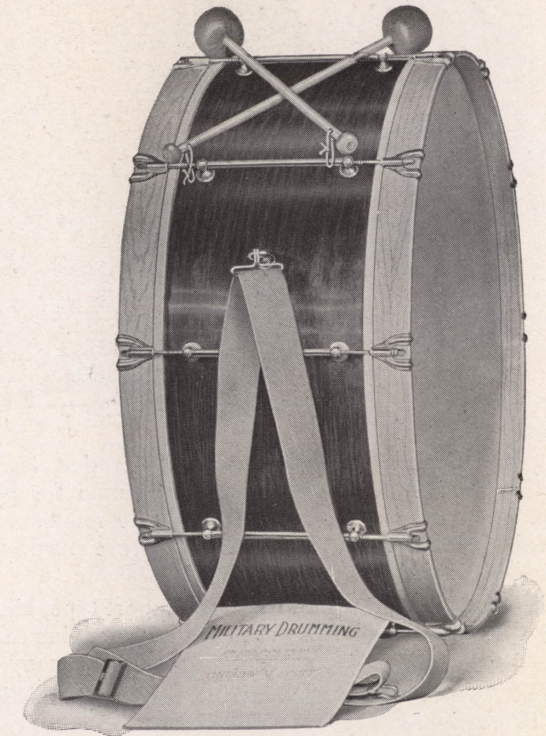
For ornamental finishes see page 22

Key Tension Bass Drum

A NEW Ludwig bass drum with key tuning in a separate tension model. This key tension feature embodies a special double clamp grip that hugs closely to the counter-hoop of drum and also acts as a retainer for the flesh-hoop, preventing it from turning and holding it square to the shell. It is compact and ideal for the drummer who needs every available inch, especially in traveling work, for this drum requires from three to four inches less room in width of packing space.

"Scotch" Model Drum

HERETOFORE there was always the drawback of the protruding tension screw handles that prevented the rod drum from becoming popular with the "Scotch" two-stick bass drummer. The two-stick style is rapidly becoming very popular in bands and drum corps. We've worked out a new drum with double-grip hooks, of the key tensioning type in separate tension.



"Scotch" Model

This model tensions easily, and has the best quality genuine Ludwig calf heads and shell is made of the special Ludwig AERO-KRAFT laminated construction. Sold as a complete outfit including the method—the only book ever published on the subject. It is a standard instruction course written for Ludwig & Ludwig. The drum, sling, sticks and the instruction method complete the outfit.

SHELL



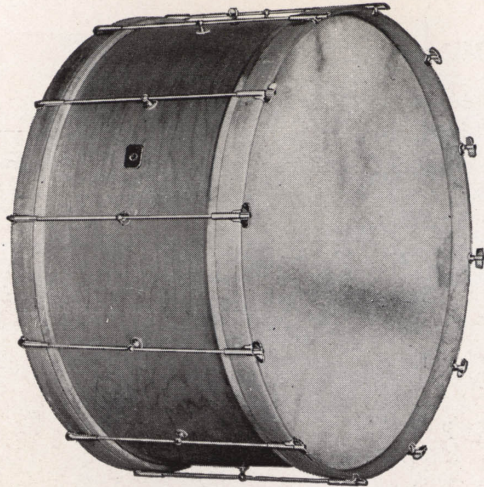
CONSTRUCTION

Standard Popular Size \$50.00
No. 862, 10 x 30".....

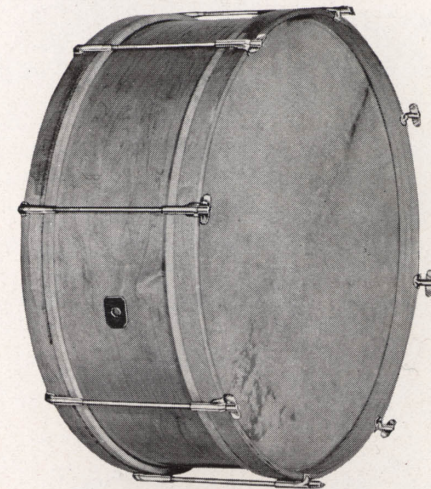
No. 860. Size, 8" x 28".....	\$47.00	No. 863. Size, 12" x 30".....	\$52.00
No. 861. Size, 10" x 28".....	48.00	No. 864. Size, 12" x 32".....	56.00



Universal Model Bass Drums



Orchestra Type



Dance Type

Not supplied in fancy finished models nor with painted scenes. No special sizes in the "Universal" Models.

A MODERATE priced bass drum that is made in popular sizes. The "Universal" models fill the demand for good general type adaptable to practical needs. While they do not possess the enormous strength and exquisite finish of the "Professional" line they are sturdily built, carefully assembled and well finished.

The rods are the popular center support type, highly nicked and tension firmly and easily. The heads are high grade genuine calf. Made with maple shell and natural finish maple counter hoops. Mahogany shell on special order.

The "Universal" models are so labeled to distinguish them from the regular "Professional" type.

MAPLE SHELL STANDARD (Mahogany on special order)

No. 174. Size, 12x24" . . .	\$21.00	No. 186. Size, 12x32" . . .	\$33.00
No. 175. Size, 14x24" . . .	22.00	No. 187. Size, 14x32" . . .	34.00
No. 176. Size, 12x26" . . .	23.00	No. 188. Size, 16x32" . . .	35.00
No. 177. Size, 14x26" . . .	24.00	No. 189. Size, 18x32" . . .	38.00
No. 178. Size, 16x26" . . .	25.00	No. 190. Size, 12x34" . . .	38.00
No. 179. Size, 12x28" . . .	26.00	No. 191. Size, 14x34" . . .	39.00
No. 180. Size, 14x28" . . .	27.00	No. 192. Size, 16x34" . . .	40.00
No. 181. Size, 16x28" . . .	28.00	No. 193. Size, 18x34" . . .	41.00
No. 182. Size, 12x30" . . .	29.00	No. 194. Size, 14x36" . . .	42.00
No. 183. Size, 14x30" . . .	30.00	No. 195. Size, 16x36" . . .	43.00
No. 184. Size, 16x30" . . .	31.00		

Sticks or slings not included

THIS popular priced type bass drum is also made in the smaller sizes for small orchestra, home dance outfits and the school orchestra.

Made with maple shell; mahogany shell on special order. Counter hoops are maple in natural finish. Heads are high grade genuine calf. Regular model tensioning rods and thumb screws that hold securely and tension easily.

The Ludwig "Universal" dance model bass drums are built to economical standards and will prove very serviceable and efficient.

The "Universal" models are so labeled to distinguish them from the regular "Professional" type.

MAPLE SHELL STANDARD (Mahogany on special order)

No. 167. Size, 6x24"	\$17.00
No. 168. Size, 8x24"	18.00
No. 169. Size, 10x24"	19.00
No. 170. Size, 12x24"	20.00
No. 171. Size, 10x26"	21.00
No. 172. Size, 12x26"	22.00

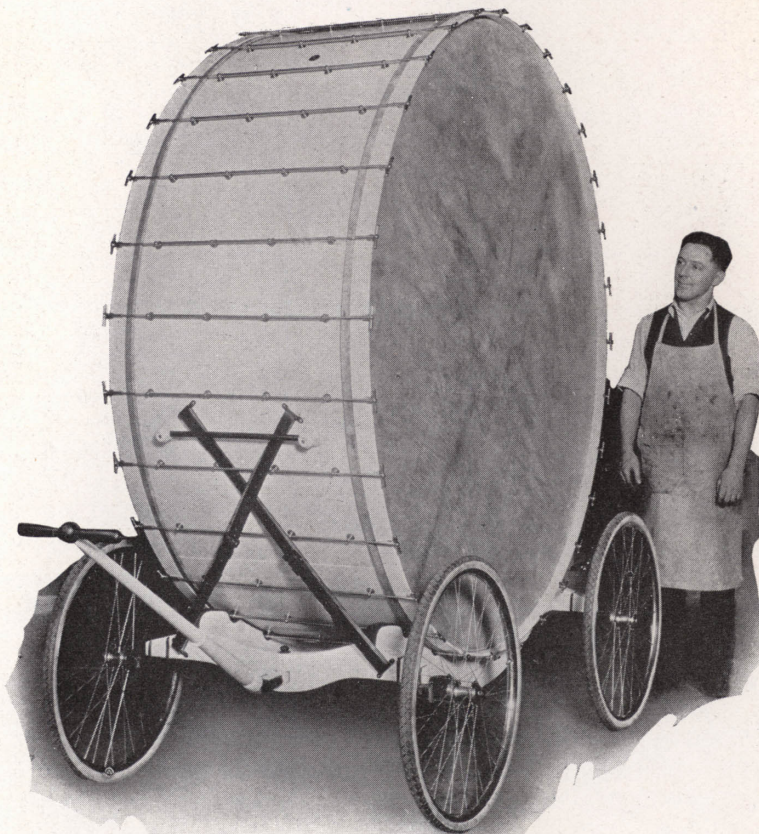
Sticks or slings not included



Monster Bass Drums

LUDWIG "Monster" Bass Drums are the big feature of Band Parades, used by University Bands, Fraternal Organizations, American Legion Posts, Drum Corps, Carnival and Circus Bands and in Political Mass Meetings.

These models are made in practical sizes that can be used on a drum carriage or float and are within the dimension limits for transport by rail in the regular express cars. Shells are genuine Mahogany, hand rubbed. Inside of shell is reinforced with special bands to hold shell rigidly and support the studs of the tensioning rods. Another feature is the Ludwig Tympani Handle screws of the rods, a vast improvement over the small flat thumbscrews ordinarily used. The Ludwig "Monster" Bass Drums are Separate Tension, permitting individual adjustment of each head independent of the other.



Drum Carriages and Special Equipment

Ludwig drum carriages are made with wire spoke, ball-bearing, pneumatic rubber tired wheels. The two-wheel carriage is used for drums up to and including the 60-inch diameter size. Wheels are detachable and carriage can be packed in small space. For the 72-inch drums we recommend the four-wheel

carriage with turntable front wheels. Front wheels have solid rubber tires. Rear wheels are pneumatic.

Sold Only with Bass Drums

No. 99†. Two-wheel carriage with leather straps, tire pump and wrench, complete.....
 No. 99½†. Four-wheel carriage, complete with leather straps, tire pump and wrench.....

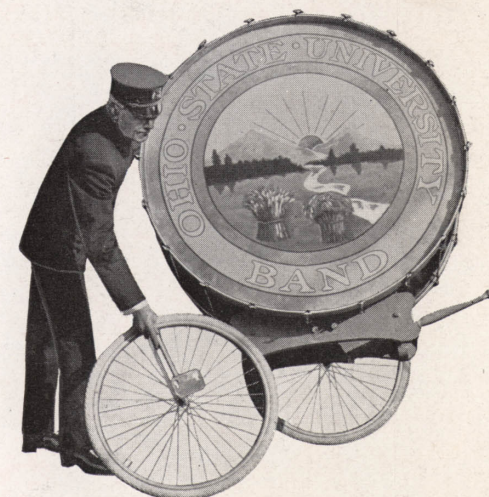
Sizes and Models

Name	Size
Jumbo\$	16x36"
Sandow\$	18x36"
Mastodon\$	18x38"
Jupiter\$	20x38"
Vulcan\$	18x40"
Thunderer\$	20x40"
Cyclops\$	20x42"
Hercules\$	22x42"
Goliath\$	20x44"
Shenandoah\$	22x44"
Titan\$	20x48"
Colossus\$	22x48"
Gigantic\$	22x60"
Leviathan\$	22x72"

Send For Prices

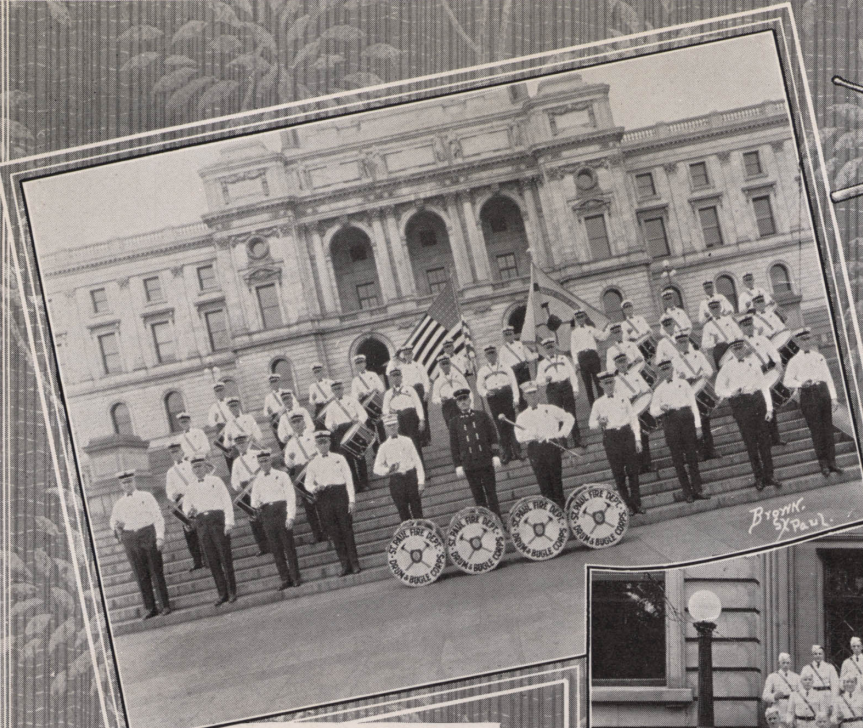
Each drum is equipped with a suitable bass drum beater to conform with the dimensions of drum at no extra charge. Advise size of drum required and prices will be given upon application.

Special lettering on drums and ornamental finishes. Prices furnished upon application.

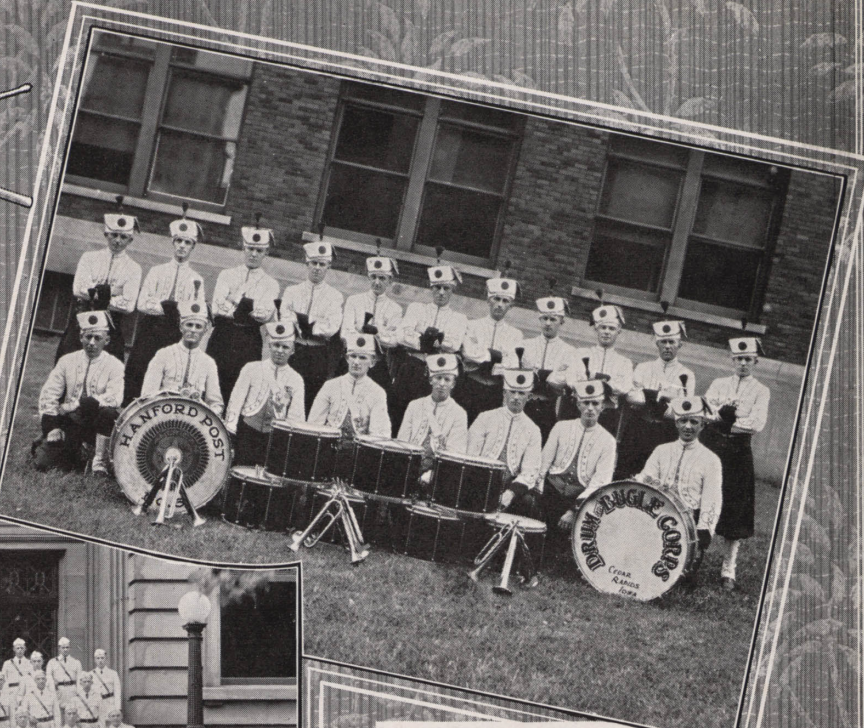




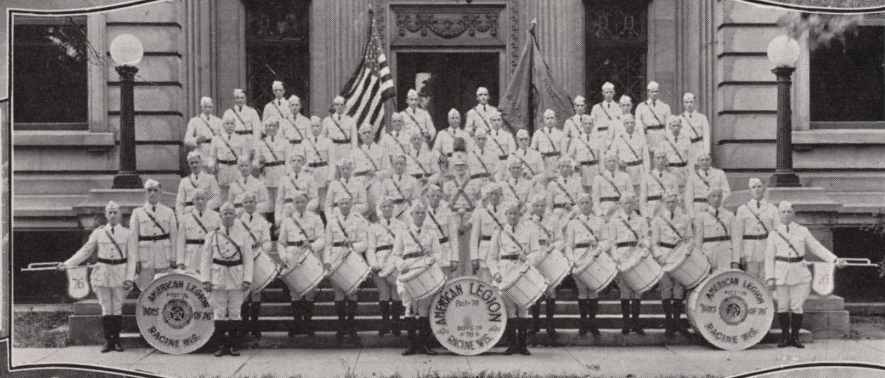
**In Bands and
Drum Corps**



**St. Paul Fire Dept. Drum
& Bugle Corps**



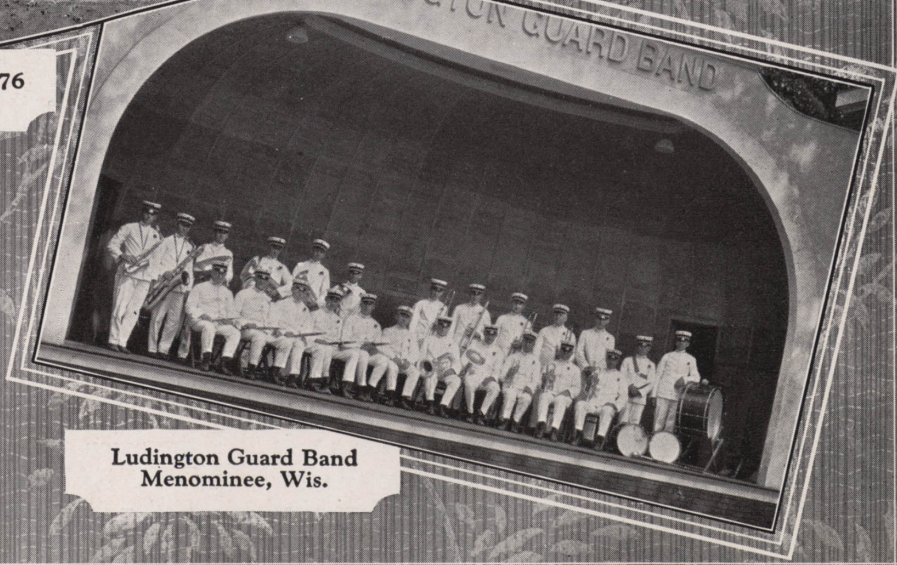
Cedar Rapids Drum & Bugle Corps



**American Legion Post 76
Racine, Wis.**



**Bemidji Boys' Band
Minnesota**



**Ludington Guard Band
Menominee, Wis.**



Separate Tension Drum

EIGHT separate Tensioning Rods.
 Flanged, Non-rusting Counter-hoop.
 Ludwig AERO-KRAFT shell construction.
 Absolutely straight gut snares.
 Ludwig "Selected" quality calf heads.
 Counter-hoops set low to clear sticks.
 Shell is natural finish, hand rubbed and
 polished Mahogany. Maple optional.
 Strong, serviceable and sturdy key rods.
 Unequaled for volume and tone.



CONSTRUCTION



THE separate tension principle permits a greater tension on batter head consequently resulting in tremendous volume and easier playing. The heads are matched and even in texture. Another special feature of this and all Ludwig models is the quality of our gut snares. Ludwig snares are straight and of even gauge. The post type strainer allows a most delicate adjustment of snares and combined with our special snares and selected snare head you have a drum that cannot be equalled for ease of playing, response, tone and volume.

Standard Drum Corps and Band Model Drum

Tone, power, ease of playing are the main essentials in any street or parade drum. If you want these important qualities, if you have decided to get the best that is made, then we know that you will find Ludwig Separate Tension model your ideal.

Equipped with post-type strainer as shown or Ludwig Professional Model Throw-off strainer and muffler

Numbers and Sizes:

1st dimension is the shell depth; 2nd is shell diameter

No. 220. Size, 12"x15" . . . \$32.50 No. 222. Size, 12"x16" . . . \$32.50

No. 221. Size, 10"x16" . . . 32.50 No. 223. Size, 12"x17" . . . 32.50

Adjustable shoulder strap sling of finest grade khaki webbing and Hickory sticks included.

Send for prices and description of Ornamental Models

"HERE THEY COME!"

FREE A new 32-page booklet containing suggestions on how to organize and equip a drum corps. Contains everything that is necessary to know and is written so the layman who has had no previous experience with corps can go right ahead and get results. Send for a copy; it is free. Covers every phase of instruction, the type of equipment, necessary rules for conduct in parade and at conventions, etc.; also has many new and novel ideas for "stunt" nights and fun-making to put spice and variety in the regular routine. It is the only general hand book published on this interesting subject.



Daniel M. English, 19 year old winner of Connecticut State champions hip 1925-26.

Photo shows him after winning first prize at Manchester, Conn., Aug. 7, 1926.

C. O. Robinson of Jacksonville, Fla., winner first prize American Legion Individual Rudimental Drumming Contest, Oct. 11th, 1926.

Contest and convention held at Philadelphia, Pa. First prize consisted of \$50.00 cash and solid gold medal.

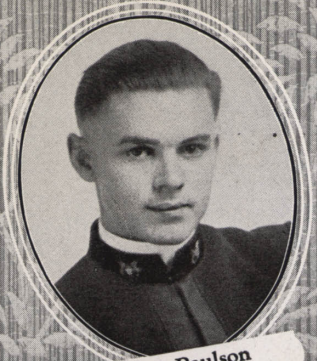




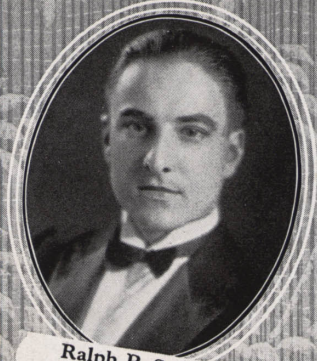
Tympanists and Drummers



Chas. L. White
Los Angeles, Calif.



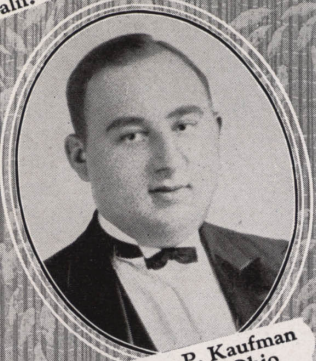
W. J. Paulson
En Route



Ralph P. Smith
Chicago, Ill.



Herman Fink
St. Paul, Minn.



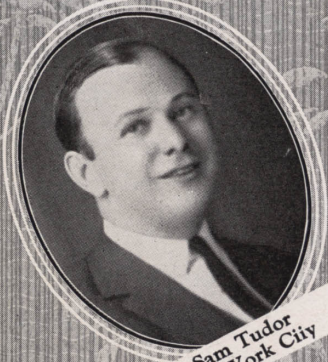
Murray P. Kaufman
Cleveland, Ohio



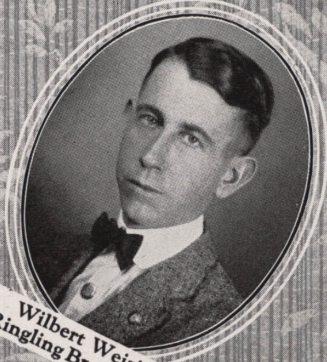
C. Al. Dewey
Detroit, Mich.



Howard C. Gamble
Leicester, England



Sam Tudor
New York City



Wilbert Weirick
Ringling Bros. Circus



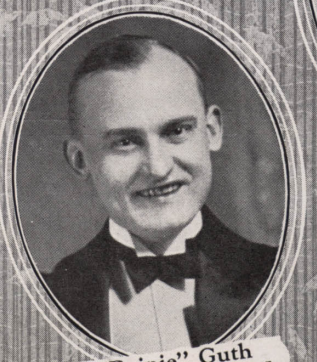
L. H. Hulme
Vancouver, B. C.



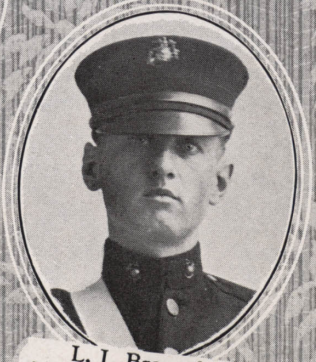
Howard McDonald
Providence, R. I.



Andrew Setara
San Francisco, Calif.



"Reinie" Guth
Staten Island, N. Y.



L. L. Brancel
Minneapolis, Minn.



B. M. Fairbank
New York City



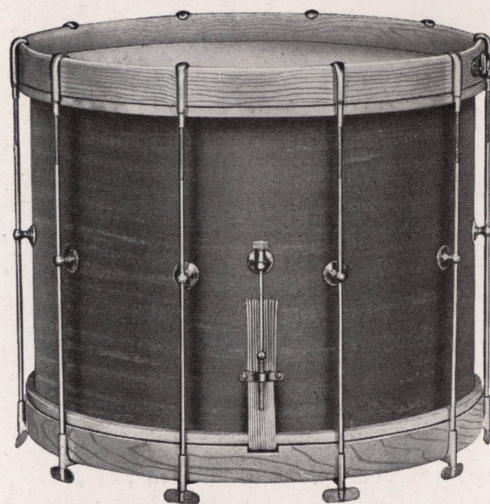
Center Support Model

THE most popular model for the corps. Ten center-support thumb-rods, heavily nickeled.

Mahogany shell is standard. Maple shell only when requested.

Best grade selected Ludwig genuine calf heads.

Ludwig AERO-KRAFT shell construction. Silk-wire snares are standard, gut snares are optional.



MANY leading corps use this center-support model. It is light, practical, and this, combined with the popular price, makes it an ideal drum for the corps.

It is fully equipped and ready to use. One pair of Ludwig hickory sticks and a professional model drum sling complete the outfit.



Construction

The Drum of the Majority

It is ideal for general all-around drum corps or parade band work. The shell is light and especially strong.

The center support type of drum is used by more drum corps than all others combined. It has the tone, the volume and plays easily. The Ludwig Center-Support model is designed to carry and hang properly—balanced design makes it so.

Has best grade batter and snare heads. The snares are special silk-wire and work easily and snappily. Gut snares are optional and will be furnished only when requested. Standard models will be furnished with mahogany shell unless maple is specified. Best grade khaki sling and street model hickory sticks included.

First dimension is shell depth; second is shell diameter.

No. 216.	Size, 12"x15".....	\$25.00
No. 217.	Size, 10"x16".....	25.00
No. 218.	Size, 12"x16".....	25.00
No. 219.	Size, 12"x17".....	25.00

Rope Models at Same Prices

Send for prices on ornamental finishes



Geo. W. Power, first prize winner at American Legion individual drum contest, Omaha, Neb., 1925.

Member of St. Paul Post No. 8. Also corps member Elks Lodge, St. Paul, Minn.

Frank S. Fancher world's champion rudimental drummer.

Now in the employ of Ludwig & Ludwig as a special demonstrator.

Photo shows him in uniform as honorary member U. S. Army band, Washington, D. C., Inaugural parade March, 1925.





Band and Drum Corps Drums



Double-Hook Wood-Hoop Separate-Tension Drum

A separate tension drum that is light in weight, easy to carry, possessing a powerful tone and the desirable snap and action. Wood counter hoops have made it lighter and this is an important factor on a long parade.

The special double-hook grip clears the hoops, setting low and does not interfere with the stroke of sticks. The clamp also acts as a retainer for the flesh hoop. Holds it square without possibility of turning.

Made in the separate tension models only. The mahogany shell is standard, Maple shell on special order. AEROKRAFT construction.

Equipped with post-type strainer as shown or Ludwig professional throw-off strainer.

First dimension is shell depth; second is shell diameter.

No. 237	Size, 12x15".....	\$32.50	No. 239.	Size, 12x16".....	\$32.50
No. 238.	Size, 10x16".....	32.50	No. 240.	Size, 12x17".....	32.50

Sticks and sling included.

Send for special prices on ornamental finishes

Advantages of the Separate-Tension Drum

THE separate-tension principle permits SEPARATE tuning of the batter and snare head. This means that you can tension the batter head more than the snare side (being the proper method of tuning), and secure a more complete adjustment for snare action and greater "snap," more power and volume than in the single tension street drum.

Improves your playing—and makes playing easier.



"Universal" Model Separate-Tension Drum

A "Special" drum in the "UNIVERSAL" model at a popular price. While it does not possess all the superlative features of our regular "Professional" model, it is a full size practical model, strongly built, carefully assembled with high grade standard fittings, sturdy shell and high grade heads.

The size is 12"x15", made with Mahogany shell as standard. (Maple only on special order.) High grade genuine calf heads of our Own making. Equipped with Six separate tension rods, double stud, key type. Regular Ludwig professional post-type snare strainer and Ludwig silk-wire snares. The counterhoops are steel. It is a strong, yet light drum and makes an easy carrying model. Regular Ludwig canvas web sling and pair hickory sticks included.

No. 261—UNIVERSAL, 12"x15" Street Drum.\$25.00

Not made in other sizes.

Sticks and sling included.

No ornamental finishes or other sizes furnished in this model



Parade Drums for Boys

Cadet Model

A FEATURE model that is designed especially for "Scout" or school parade work. Strongly constructed, light in weight and made in the correct size for the work intended.



Has mahogany or maple shell, eight nicked thumbscrew rods. Equipped with strong double stud strainer, thumbscrew type and waterproof cord snares that are wire wound. The mahogany shell is standard and will be furnished unless maple is specified. Ludwig calf heads.

Webbed sling and hickory sticks included.

No. 255. Ludwig Cadet Model, 10"x14"..... **\$15.00**

Rope Tension Model

Similar to above with maple shell and rope tension. Sticks and sling included.

No. 257. Size, 10"x14"..... **\$15.00**

SIZES:

1st dimension is shell depth; 2nd is shell diameter.

The boy of today wants more than a mere "Toy." He desires the drum that follows the style and makeup of the professional equipment he sees in use. That is why you play safe when you specify that it is—Ludwig. You get the drum that endures, that gives satisfaction under heavy use.

Junior Drum

THIS is a new Ludwig street and parade model for the smaller boy scout and grammar grade prospect. It is a light, easy carrying and practical rod drum.



Equipped with ten thumbscrew rods, heavily plated. Has a post-type thumbscrew strainer and silk-wire snares. Both heads are genuine Ludwig calfskin.

The shell of this model is mahogany. Counter hoops are selected maple in the natural finish. It is a high grade Junior drum, made of carefully selected materials and will stand a lot of wear. A popular priced practical model.

Sticks and sling included.

No. 254. Ludwig Junior Street Drum. Size, 8"x13"..... **\$11.50**

School Drum



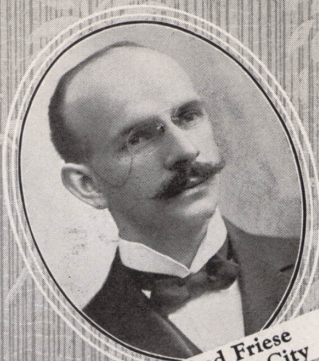
Sticks and Sling Included

This model is made with a standard maple shell, in the natural finish with the counter-hoops finished in black. Heads are good grade Ludwig calf. Equipped with thumbscrew strainer and waterproof cord snares. The size is 6"x12", large enough for the juvenile and small grammar grade boy. Sticks and sling included.

No. 4016 Size, 6"x12", sticks and sling \$6.00



Tympanists and Drummers



Alfred Friese
New York City



George Carey
New York City



Wm. F. Ehrlich
St. Louis Symphony



Ben Vito
Chicago



Harold McDonald
Los Angeles



Joseph Zettelman
Chicago Symphony



Daniel C. Stipp
Chattanooga, Tenn.



Chas. A. Basel
Baltimore, Md.



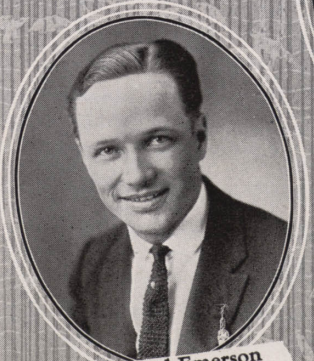
Samuel Haber
Chicago Theatre



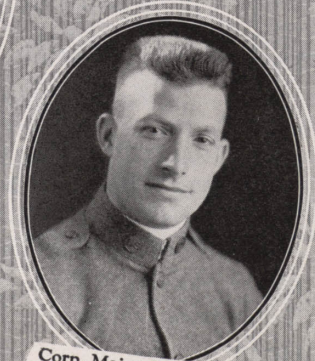
Roy Knapp
McVickers, Chicago



Harry Miller
Cleveland Symphony



Howard Emerson
Minneapolis, Minn.



Corp. Major G. Gardner
50th U. S. Inf. Band



Andrew V. Scott
Chicago, Ill.



Otto Kristufek
Chicago Theatre



Tone Analysis of Pedal Tympani

By Wm. F. Ludwig

TO fully appreciate the total quality of Pedal Tympani it is well to understand the relation existing between their mechanical construction and the sound producing elements. Musical tone is caused by a rapid periodic vibration. In the clarinet it is the reed which vibrates, and on the piano it is a string.

Tympani tone, fundamentally, is produced very much similar to that of the piano. Instead of the hammer striking a string, as in the case of the piano, it strikes the tympani head. The musical tone which results is caused by the rapid vibration of the head. The vibration of the tympani head, however, must be periodic. It must pulsate at regular intervals. If the vibration is not regular the result is noise.

The peculiarity in the tympani is that the head alone acts as the vibrating body. The kettle must not vibrate because it would interfere with the regularity in the vibration of the head.

There are two fundamental parts to the tympani. The head, a circular parchment, is tensioned over a hemispherical kettle. This is the vibrating body. The kettle, the other fundamental part, acts in the two-fold capacity of support for the head and as resonator. As a resonator it aids the periodic vibration of the head, prolongs the vibrations and thereby sustains the tone.

The tympani head being circular, supported and tensioned at its outer edges longitudinally and transversely, naturally offers immense difficulties in its adoption to the musical scale. Therefore, it is necessary to use every possible means both in construction and materials to overcome the natural difficulties.

There are three important elements to be considered: force of tone, pitch, and quality of tone. Force of tone depends on amplitude of vibration, *force* of vibration—or, in other words, the power of the vibration.

Pitch is dependent upon the length of the period or the *speed* of oscillation.

Quality of tone depends upon *form* of vibration.

Roughly, then, the elements are governed respectively by power, speed and form. And all three must be considered carefully in analyzing the tympani.

As stated before, amplitude of vibration determines the volume of loudness of tone. It is easy enough to agitate the tympani head to any desired degree of volume, and, indeed, in this respect the kettle drums are supreme as an orchestral instrument. They produce smooth and uninterrupted crescendoes from a pianissimo that is scarcely audible to the greatest fortissimo, or to a crash, with a facility to which no other band or orchestra instrument can compare.

The regulation of pitch is equally simple, especially since the perfection of the pedal tympani.

Pitch, or speed of vibration, is governed by the tension that is applied to the head. It is obvious that this should be done as rapidly as possible, a mechanical feature that has been carefully worked out and perfected in the Ludwig pedal tympani. The tympani now stand as chromatic instruments, and are placed on a par with all other orchestral instruments.

Form of vibration, upon which depends quality of tone, is a complex consideration in a tympani head because the head is tensioned longitudinally and transversely, from front to back and from side to side.

Take for example the vibrating string of the grand piano: It is tensioned from end to end—or, to draw a parallel with the tympani, from front to back, roughly speaking. The string vibrates from side to side and is unhampered by other conflicting tensionings. It is well supported by a sound-board and string-tensioning keys.

In contrast to this the tympani head is tensioned at all its outside edges along the line of the main vibrations and cross-wise at right angles as well. It is evident now that kettle construction must be such that it will develop the longitudinal vibration, which is the main vibration, at the expense of the transverse form if possible.

A tympani head tensioned on a hoop without a resonator, even though it has the required tension and the required reinforcement, would have very little audible tone. The resonator, however, not only strengthens the tone but improves the form of vibration by eliminating counter vibrations and tuning them into proper, or prime vibrations. The resonator then not only separates counter from prime vibrations, but actually prolongs the vibrations by means of the air within the kettle, which continues the motion. The movement of this air forward and backward, is quite similar to a mass of jelly in a similar body. This is governed, too, by the natural laws of acoustics as follows:

Sound travels approximately 1142 feet per second. The A on the large kettle is 2 octaves lower than the violin A (440), has 110 vibrations per second. This makes the wave length 10.4 feet. That is, the sound has traveled 10.4 feet during one vibration. Sound waves of this A follow each other periodically at the rate of 110 per second, each one of which has a wave length of 10.4 feet.

But sound waves inclosed, as they are in the kettle drum, travel slower than those under ordinary conditions. This is caused by the friction of the confined air. It reduces the speed to approximately 800 feet per second, and makes the wave length of the A, vibrating 110 times per second, about $7\frac{1}{4}$ feet.

The line of main vibration inside the kettle is $3\frac{5}{8}$ feet. Following the arc of sound travel in the kettle from one side to the other, which is only $\frac{1}{2}$ of a vibration, a return of this sound wave would make a complete vibration of $7\frac{1}{4}$ feet.

The depth of the kettle is determined by these measurements. If the kettles were made deeper the main impact shock would follow the radius of the kettle at the same rate as given here, but it would have further to go. The result would be that it would still be going upwards, opposite from the beating spot, toward the head, while the head had already reached its highest point and was starting back down on the second half. This would cause an interference and would tend to shorten or muffle the tone.

If, on the other hand, a kettle is not deep enough, a similar difficulty would occur, except that the action would be reversed. These differences, however slight, have an effect on the tone as they increase with the completion of each half vibration.

This proves conclusively that a kettle which is not properly proportioned cannot have a pure tone. The depth of the kettle must be carefully and accurately calculated. In this regard the thickness of the kettle or the materials are not so important.

However, the strength of the kettle is important from another angle. Strong reinforcements of the outer edge of the kettle are necessary to insure an absolutely periodic vibration. It has been pointed out why it must be regular. If the kettle was permitted to give, even to the slightest degree, it would naturally disturb the periodic motion and effect the quality of the tone.

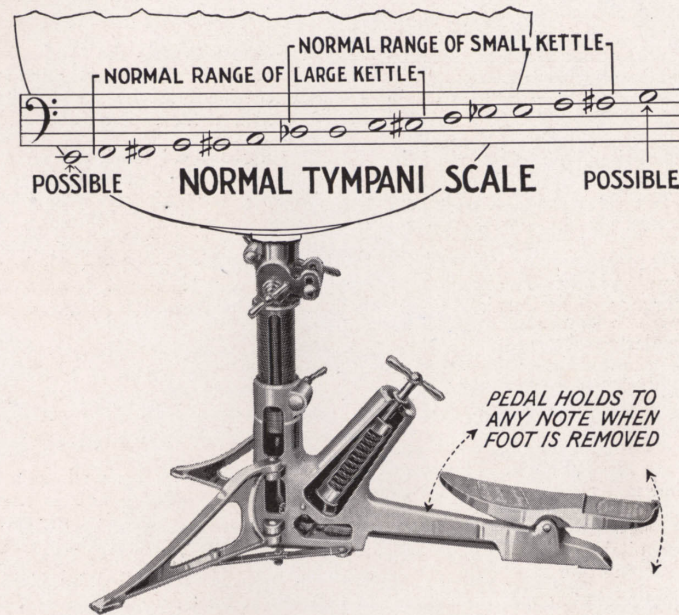
The tone producing head can be compared to the vibrating reed of the clarinet or the string of the violin as far as actual tone production is concerned. The importance of quality is well understood. That is why we make our own heads, select our own raw material and are always on the alert for improvements in manufacturing methods.



Natural-Way Balanced Action

THE normal range of Tympani, machine or hand, regardless of size, is from low F below the staff, bass clef, to the octave F in the staff. At rare instances, as in the case of "Parsifal," low E is used. Also certain compositions in special and rare instances call for higher notes than the normal range; namely, F# and G. These notes can be had on the Ludwig Pedal Tympani. The low E will not be as strong as the normal range scale unless a specially large kettle is provided. For low notes the diameter should be increased. In this case a 30" kettle would serve the purpose better than a 28". This is the reason for the use of three tympani where a large scale is called for.

Another feature of three tympani, of course, is that it necessitates less tuning or changes. In large symphony orchestras a fourth drum is added of a small diameter, 22" or 23" for extremely high notes such as F# and G and even A. These notes are possible on small diameter drums. It is



(Cut-away view of action)

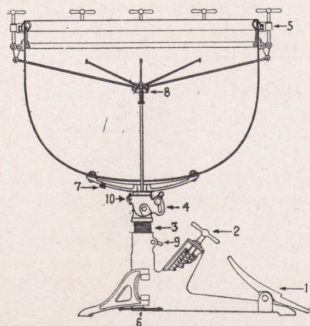
possible to force the standard size 25" up to A, but the note would naturally be poor in quality on account of the diameter being too large for such a high note. The same can be said of the low notes. The normal 28" can be lowered in pitch to E and Eb, but the quality of tone will naturally not be as good as it would on a 30" or sometimes 32".

The Chicago and Philadelphia Symphony Orchestras in order to get extremely low notes that are satisfactory and resonant, use a 35" diameter Ludwig Machine Tympani. On the other hand, the New York Philharmonic Symphony Orchestra obtains excellent results with a 32" kettle for low notes.

25" for the small and 28" for the large kettle are generally regarded as standard. 26" and 29" are used for the large DeLuxe Picture Orchestra and Symphony Orchestras—the range is the same, but the larger diameter of the kettles allows for greater volume.

Ten Important Features

1. Fastest and easiest pedal tuning action ever devised. The NATURAL location for foot-pedal.
2. Compression spring for tension balance of foot-pedal. Eliminates necessity of any locks or stops formerly required when setting pedal. (This device adjusts the pedal balance and is not used to tune the Tympani.)
3. Bronze tubular post so threaded that Tympani can be turned to height required similar to adjusting a piano stool for either sitting or standing position without disturbing the tone.
4. Adjustment for setting kettle at angle required. The removal of this one bolt also detaches kettle from base.

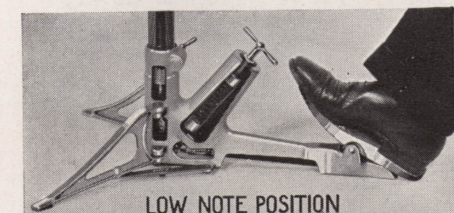


5. Tympani equipped with EIGHT tension screws and internal pull connection rods, which insures more even tension and consequently a better tone.
6. Folding legs that automatically lock in either open or closed position.
7. Drilled and tapped opening for use of standard size Bass Drum or Snare Drum beater.
8. Central connection hub for internal pull rods.
9. Lock adjustment to set Tympani post at height required.
10. Adjustment which permits "spinning" of kettle to desired beating spot while playing without disturbing pitch or height.

The Foot-Pedal

Both pictures show the travel of foot from high to low note position. The pedal will remain at any note you set when the foot is removed.

The foot-pressure required is so light that a child can operate it. Operates smoothly and evenly at every note of the compass.





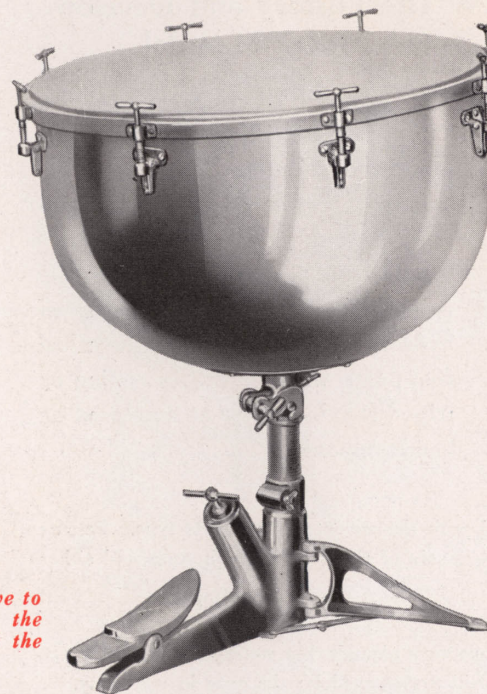
Natural-Way BALANCED ACTION Tympani

For Sitting or Standing Position

The operating principles are so simple, the tuning action so smooth and rapid, and the location of pedal is correct for playing in either standing or sitting position.



You do not have to keep foot on the pedals to hold the note.



Easy to Tune and Handle

The tuning action is so certain, rapid and is so easily manipulated that no special skill or training is required to operate the new Ludwig Natural-Way Pedal Tympani.

Ask the Drummer who owns a set!

The New Ludwig NATURAL WAY Pedal Tympani are extremely simple in operation and so designed that they can be used as comfortably in sitting position as when standing. The NATURAL location of tuning pedal makes them ideal for the Drummer who doubles on drums and tympani.

The action is so certain and easy—tuning so rapid that no special skill or training is required to play them. The removal of one bolt permits you to lift the kettle from the stand to pack for travel. They can be used as hand or pedal tuning. Sturdily built yet so light in weight that they can be moved without any effort.

Owing to the special construction features of the Ludwig Natural-Way Balanced Tuning Action they cannot be installed in any other pedal or hand-tuned tympani.

Kettles are finest hand hammered copper. Kettle support, pedal, and base are cast aluminum—extremely light yet very sturdy and rigid. The adjustable stand, levers, hinges and bearing surfaces are made of bronze, the metal that insures quiet operation and durability. Each kettle has eight pull connection rods of steel. The tympani heads are special select calf skin, matched and even in texture. Kettles are fitted with a steel re-inforcing ring to insure perfect round of kettles under the strain of tensioning.

No. 275§ Ludwig Natural-Way Pedal Tympani, Standard, 25" and 28", pair \$350.00

No. 267§ Ludwig Natural-Way Pedal Tympani, for Symphony Requirements, 26" and 29", pair \$385.00

Furnished complete with pair sticks, fibre discs and Zettelman's Method Part Two, No. 723 Zettelman's Pedal Tympani Instructor \$3.50

(Send for prices on special De Luxe black, white or ornamental finishes)



Tympani Accessories

The History and Development of Pedal Tympani



A set of three "Cable type" Ludwig Pedal Tympani. The models that were developed in 1915. Now supplanted by the Natural-Way Balanced Action type.

Ludwig & Ludwig built the first tympani in America. In 1909 Ludwig introduced the first transportable pedal tympani ever made—the Ludwig hydraulic pressure type. The operating principle was to tune by means of hydraulic pressure, using a detached foot-pump with the kettles resting on tripod stands similar as now used on hand tympani.

Then in 1915 Ludwig improved pedal tympani with the advent of the cable type. Patents were issued covering "Pull connections" on the inside of the kettles which permitted either rod or cables to be employed.

The cable type of Ludwig Pedal Tympani became very popular, but we improved them again and in 1922 introduced the Natural-Way Balanced Action models; the ones in use today.

The new Ludwig tympani have complete adjustability at all times. Can be set for height, or tilted at any angle and "spun around" for beater spots without disturbing the tuning. The pedal is set low—against the floor so that the tuning operation is comfortable. The pedal holds to any note in the range, as it remains where you set it due to the spring-balanced action.

Thus Ludwig has pioneered and developed the three important changes in the construction of pedal tympani. Ludwig & Ludwig were first to originate and first to develop pedal tympani to their present stage of effectiveness.

In the city of Chicago alone there were fifty-four (54) sets of Ludwig Pedal Tympani being used in 1926. And the list is growing. In practically all of the Symphony Orchestras in the United States, where the tympanist is regarded as a first-chair instrumentalist, Ludwig Natural-Way Pedal Tympani are used. Such organizations as The Chicago Symphony, New York Philharmonic, Philadelphia Symphony, Boston Symphony, Cleveland Symphony, St. Louis Symphony, Rochester, N. Y., Symphony, Utica Symphony—and many others—use Ludwig Pedal Tympani.

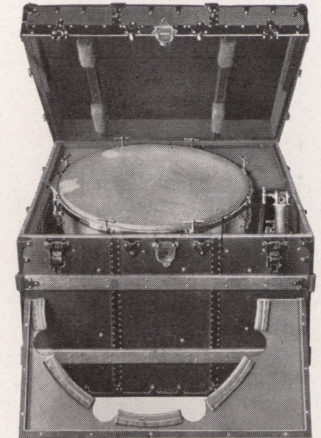
Ludwig Tympani Trunks

The famous TAYLOR XX trunks are known in the theatrical and musical profession as the most durable trunks made. All fixtures are securely riveted by hand, the box frames are made of three-ply basswood lumber, covered with the heaviest sail canvas. Sides and top are banded and trunk is reinforced with hickory strips. Tympani base fits into special compartment separate from kettle. Padded felt guard and cover protect the kettle.

Trunks Sold ONLY with Instruments

	Net Price
No. 294—Pedal Tympani Trunk for 25" size Tympani	Net \$45.00
No. 295—Pedal Tympani Trunk for 28" size Tympani	Net \$45.00

Trunks for Hand Tympani same as above (sold only with Tympani)



Tympani Covers

Made of heavy waterproof mackintosh cloth, fleece-lined. Covers head and tuning handles to protect your tympani from dust and grime. Will fit either Ludwig Pedal Tuning or hand tuned tympani.

No. 292§—Ludwig Mackintosh Tympani covers, for 25" and 28" Tympani, per pair... \$7.50

Tympani Stands for Hand Tympani

Made of steel, very strong, durable and light; handsomely nickel-plated and polished. Folds quickly and packs into small space, making it very convenient for traveling. This style supplied with Hand Tympani, unless otherwise ordered.

No. 282§—Per pair \$12.00

Adjustable Model

It is strong, rigid and easy to regulate—for traveling purposes the upper part folds, while the lower part is detached from the base. It is handsomely nickel-plated and polished.

No. 281§—Per pair \$21.00

Ludwig Instructor for Tympani

This method contains excerpts Tympani parts from fifty modern orchestra compositions, showing the practical use of pedal tympani, also thirty-five exercises for ear training and the use of pedal mechanism, and a general description of their construction and care.

No. 723 \$3.50

Tympani Tuning Pipe

Tympani tuning pitch pipe, vest pocket size. Low "G" to high "F."

No. 283§ \$0.75



Professional Hand Tympani

PERFECT tympani are a scientific product. Inasmuch as the kettles act as resonators, they must not only be faultless in conformation and circle, but they must also be rigid and so constructed to hold to perfect round and shape.

They are made by hand— assembled by hand and built to the exacting professional standards that characterize all Ludwig instruments.

The men who are now building these "Tymps" are the same craftsmen that made them twenty years ago. The personnel has not changed.



Pair 25" and 28" No. 276§

IT IS the test of time that tells. Ludwig Hand Tympani have been in constant use for nearly twenty years. Some of the first kettles we have made are still in active service. One notable pair is in use by Charles Bessette who recently finished a three-year engagement with the Duncan Sisters in "Topsy and Eva," having played the seasons of 1924-25 and 1926.

Here is the logical instrument for the "past master" performer who requires Hand Tympani.

Exclusive features of design, hand-hammered copper kettles, and other valuable features make them the most highly perfected hand tympani of the day.

Finest Tonal Quality

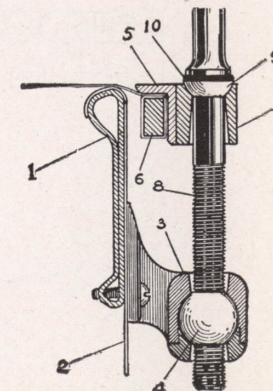
The clear musical tone you require is produced by the tympani head. The kettles serve the purpose of enlarging and developing the prime tone. If the vibrations meet with even the slightest imperfection in the round of either kettles or hoop, they will tend to produce overtones or tones foreign to the fundamental or basic note.

All Ludwig Tympani are properly and accurately constructed and thus produce tones in which the fundamental notes predominate so strongly that it is easily distinguished—a feature that greatly facilitates ease of tuning.

Special inside kettle re-enforcements of a pressed steel rim is rolled into shape and spun fitted to the kettles. This makes for extreme rigidity and retention of perfect round.

Special Features of the Ludwig Tympani

1. Special steel re-enforcement.
2. Hand-hammered copper kettle.
3. Bronze lug fastens to steel re-enforcement.
4. Ball self-aligning nut in lug.
5. Steel angle iron counter hoop, heavily plated and polished.
6. Metal flesh hoop.
7. Brass lug on steel angle iron counter-hoop.
8. Double lead quick-tuning screw.
9. Steel cone washer—will not break.
10. Fibre flat washer to receive pressure—will not break.



No. 276§. Ludwig Hand Tympani, 25" and 28", per pair **\$200.00**
(Complete with folding model stands, sticks and fibre discs)



Professional Standard Outfit

The Standard

BEST Trap-Drum Outfit that money can buy. That is the big idea back of the Ludwig Standard Professional Outfit. This is the outfit that was designed for the critical professional drummer to use in Theatre and Concert work.

For true economy we advise getting the very finest outfit at the start. The Bass Drum is the regular Ludwig standard professional model, center support type of special Aero-Kraft shell construction with tympani rods. The Snare Drum is Ludwig professional model all-metal shell, separate tension drum and you have the option of selecting the size you desire. Foot-pedal is our latest model professional pedal with the extended foot-board that makes for greater ease and rapidity in operation. All the traps are standard and of finest quality.



\$95
No. 51†



Instruction Book

ALUDWIG Elementary Drum Instruction Method is furnished you with every genuine Ludwig Outfit. If you buy the trap-drum outfit here we will supply you with this course of instruction.

The method is illustrated with photos showing the positions, strokes, rolls and beats used in drumming. Every point is explained in simple understandable language. Can also be used as a guide and lesson book in the event you are taking individual instruction.

Tells you how to use the foot-pedal, the tambourine, the triangle and other traps. It deals with the easy fundamentals of drumming yet prepares the student for advanced work.

Consists of following items:

- 14" x 28" Ludwig Mahogany Shell Bass Drum, AERO-KRAFT shell construction. Equipped with highest grade heads, center stud tympani handle rods.
- 4" x 14" Famous Ludwig All-Metal Shell Snare Drum, 10 rods, new flanged type counter hoops, best grade Ludwig drum heads. Drums No. 1 to 6 optional.
- Ludwig Professional Folding Model Drum Stand.
- Ludwig Original Professional Foot-pedal, complete with spurs and cymbal holder.
- Ludwig 12" in Spun Brass Pedal Cymbal.
- Genuine Chinese Crash Cymbal, 14" size.
- Ludwig Upright Crash Cymbal Holder.
- Ludwig Two-Tone Wood Block and Holder.
- Ludwig Rattle and Holder.
- Genuine Chinese Tom-Tom and Holder.
- Ludwig 8" Triangle and Beater.
- Ludwig Castanets, pair on holder.
- Ludwig 8" Professional Tambourine.
- Ludwig Hickory Drum Sticks.
- Ludwig Elementary Drum Method.

No. 51† Ludwig Standard Professional Trap-Drum Outfit \$95.00



Special Professional Outfit

\$70

No. 52‡



Instruction Book

A LUDWIG Elementary Drum Instruction Method is furnished you with every genuine Ludwig Outfit. If you buy the trap-drum outfit here we will supply you with this course of instruction. The method is illustrated with photos showing the positions, strokes, rolls and beats used in drumming. Every point is explained in simple understandable language. Can also be used as a guide and lesson book by the teacher in the event you are taking individual instruction.

Tells you how to use the foot-pedal, the tambourine, the triangle and other traps. It deals with the easy fundamentals of drumming, yet prepares the student for advanced work. The Book is considered authoritative by the professional drummers as it is in strict accordance with musical requirements.

Consists of following items:

- 12x26" Ludwig Mahogany AERO-KRAFT Shell Bass Drum. Equipped with center support tympani handles, best grade white calf heads.
- 4x14" Universal Model Ludwig Separate Tension, all-metal shell snare drum. (Sizes up to 5x15" are optional.) Ludwig 10-rod wood-shell drum optional if desired, Nos. 61 to 68.
- Ludwig Professional Folding Drum Stand.
- Ludwig original professional model foot-pedal, complete with spurs and pedal cymbal holder.

- Ludwig 11" Spun Brass Pedal Cymbal.
- Genuine Chinese Crash Cymbal; 13" size.
- Ludwig Upright Crash Cymbal Holder.
- Ludwig Two-Tone Wood Block and Holder.
- Ludwig Rattle and Holder.
- Ludwig 8" Triangle and Beater.
- Ludwig Hickory Drum Sticks.
- Ludwig Elementary Drum Method.

No. 52‡ Ludwig Special Professional Trap-Drum Outfit.....\$70

No Substitutions or Omissions

Page Forty-one



"Universal" Trap-Drum Outfit

\$57⁵⁰

No. 53‡

Jobbing Outfit

THIS Ludwig Trap-Drum Outfit is a new complete unit, in many ways similar to the best professional model. The snare drum is the Ludwig "Universal" model, metal shell, separate tension drum which is a popular priced fac-simile of the professional model.

The bass drum is the popular center support type, the regular Ludwig laminated construction shell with a mahogany shell, equipped with best grade heads. The foot-pedal is our Ludwig "Junior" model. Drum stand is a high-grade adjustable and folding stand.

Ideal for the jobbing drummer and the percussionist in the small dance orchestra. You save money when you purchase the complete trap-drum outfit set up as shown as against the buying of separate items.

You can beat away merrily on this highly satisfactory popular-priced "Universal" outfit.



Instruction Book

A LUDWIG Elementary Drum Instruction Method is furnished you with every genuine Ludwig outfit. If you buy the trap-drum outfit here we will supply you with this course of instruction. The method is illustrated with photos showing the positions, strokes, rolls and beats used in drumming. Every point is explained in simple understandable language. Can also be used as a guide and lesson book by the teacher in the event you are taking individual instruction.

Tells you how to use the foot-pedal, the tambourine, the triangle and other traps. It deals with the easy fundamentals of drumming, yet prepares the student for advanced work. The book is considered authoritative by the professional drummers as it is in strict accordance with musical requirements.

Consists of following items:

- 12x26" Mahogany "Universal" Shell Bass Drum, center support thumb rod type, equipped with the best grade calf heads.
- 4x14" "Universal" model Ludwig separate tension, all-metal shell Snare Drum. (Size up to 5x15" is optional.)
- Ludwig folding model Drum Stand.
- Ludwig Junior Pedal, complete with spurs and pedal cymbal holder.

- Ludwig 11" Spun Brass Pedal Cymbal.
- Genuine 13" Chinese Crash Cymbal.
- Ludwig Upright Crash Cymbal Holder.
- Ludwig Two-Tone Wood Block and Holder.
- Pair Ludwig Hickory Sticks.
- Ludwig Elementary Drum Method.

No. 53‡ Ludwig Universal Professional Trap-Drum Outfit.....\$57.50



"Tango" Trap-Drum Outfit

Practical Size

THE Trap-Drum Outfit that comes mighty near to being good everywhere. It's just the right size and handy carrying, regardless of where you take it and for nearly every kind of work you are doing.

Works splendidly in the small orchestra and is also ideal in the Home Orchestra for dancing parties and entertainments. An outfit of this kind is easy to play with very little practice and can be used with the phonograph or player piano. The "Tango" outfit will provide more fun and real enjoyment than any other musical instrument.

The outfit is complete and ready to set up without adding an item. It is priced right and built right—the most popular outfit we make.

There is a lot of good fun in a Ludwig Trap-Drum Outfit. Take it along for house parties, home dances and outings where you can fit it in with the phonograph, radio or player piano.

\$50
No. 54‡



Instruction Book

A LUDWIG Elementary Drum Instruction Method is furnished you with every genuine Ludwig Outfit. If you buy the trap-drum outfit here we will supply you with this course of instruction. The method is illustrated with photos showing the positions, strokes, rolls and beats used in drumming. Every point is explained in simple understandable language. Can also be used as a guide and lesson book by the teacher in the event you are taking individual instruction.

Tells you how to use the foot-pedal, the tambourine, the triangle and other traps. It deals with the easy fundamentals of drumming, yet prepares the student for advanced work. The book is considered authoritative by the professional drummers as it is in strict accordance with musical requirements.

Consists of Following Items:

- 8x24" Ludwig Mahogany AERO-KRAFT Shell Bass Drum, tympani handle rods.
- 3x13" Ludwig Thumb-rod Snare Drum, mahogany shell, 8 rods and Ludwig professional throw-off strainer.
- Ludwig Folding Model Drum Stand.
- Ludwig Junior Foot-Pedal complete with spurs and cymbal holder.

- Ludwig 11" Spun Brass Pedal Cymbal.
- Genuine Chinese Crash Cymbal; 12" size.
- Ludwig Upright Crash Cymbal Holder.
- Ludwig Two-Tone Wood Block and Holder.
- Ludwig Hickory Drum Sticks.
- Ludwig Elementary Drum Method.

No. 54‡ Ludwig Complete "Tango" Trap-Drum Outfit.....\$50.00



"Home" Trap-Drum Outfit

\$40

No. 55 †

For the Home

"HOME" entertainments, the dancing parties where both the young folks and adults gather—a Ludwig "Home" Trap-Drum Outfit will readily prove the popular "Hit" among the assembly. A Ludwig trap-drum outfit is easy to play, for it does not require an extensive course of lessons or long training to become proficient with drums and traps. Most of us have acquired the sense of rhythm peculiar to the popular songs and a little practice with the phonograph or player piano will prepare you to accompany the music of the home orchestra.

The "Home" outfit is equipped with a Junior orchestral model metal-shell snare drum, Ludwig Junior Pedal. The bass drum has two high grade calf heads and is made in a size that is compact and convenient to handle without sacrificing tonal qualities.



Instruction Book

A LUDWIG Elementary Drum Instruction Method is furnished you with every genuine Ludwig Outfit. If you buy the trap-drum outfit here we will supply you with this course of instruction. The method is illustrated with photos showing the positions, strokes, rolls and beats used in drumming. Every point is explained in simple understandable language. Can also be used as a guide and lesson book by the teacher in the event you are taking individual instruction.

Tells you how to use the foot-pedal, the tambourine, the triangle and other traps. It deals with the easy fundamentals of drumming, yet prepares the student for advanced work. The book is considered authoritative by the professional drummers as it is in strict accordance with musical requirements.

Consists of following items:

- 8x24" Ludwig Universal Bass Drum with maple shell (mahogany only on special order), equipped with thumb-screw rods and high grade Ludwig heads.
- 3½x13" Ludwig Junior Orchestra Drum, with metal shell, throw-off strainer and muffler.
- Ludwig Folding Model Drum Stand.

- Ludwig Junior Foot-pedal complete with spurs and cymbal holder.
- Ludwig 10" Spun Brass Pedal Cymbal.
- Genuine Chinese Crash Cymbal; 12" size.
- Ludwig Crash Cymbal Holder.
- Genuine Chinese Wood Block and Holder.
- Ludwig Hickory Drum Sticks.
- Ludwig Elementary Drum Method.

No. 55 † Ludwig "Home" Trap-Drum Outfit \$40



"Juvenile" Trap-Drum Outfit

The Youngster

"DADDY, get me one of those trap-drum outfits like they have in Brown's Music Store." That's the voice of the youngster of today.

Boys want the best—they have been educated to a higher standard in their sport and play equipment. Nothing short of that will satisfy. They are proud of good instruments—and rightly so.

There is no better means of inculcating the desire for music in your boy or any boy than with a Ludwig Trap-Drum Outfit. Every boy has the spirit and "feel" for trap-drumming. This outfit will prove a joy and a pleasure to the youthful beginner and makes a splendid gift for the young drum pupil.

\$32⁵⁰

No. 4025†



Instruction Book

A LUDWIG Elementary Drum Instruction Method is furnished you with every genuine Ludwig outfit. If you buy the trap-drum outfit here we will supply you with this course of instruction. The method is illustrated with photos showing the positions, strokes, rolls and beats used in drumming. Every point is explained in simple understandable language. Can also be used as a guide and lesson book by the teacher in the event you are taking individual instruction.

Tells you how to use the foot-pedal, the tambourine, the triangle and other traps. It deals with the easy fundamentals of drumming, yet prepares the student for advanced work. The book is considered authoritative by the professional as it is in strict accordance with musical requirements.

Consists of following items:

6x22" Ludwig Maple Universal Shell Bass Drum, 8 rods, and two good grade Ludwig heads.

3x12" Ludwig Maple Shell Snare Drum.

Ludwig Juvenile Folding Model Drum Stand.

New Ludwig Juvenile Foot-Pedal, complete with spurs and cymbal holder.

Ludwig 8" Spun Brass Pedal Cymbal.

Genuine Chinese Crash Cymbal; 10" size.

Ludwig Crash Cymbal Holder.

Genuine Chinese Wood Block and Holder.

Pair Ludwig Hickory Drum Sticks.

Ludwig Elementary Drum Method.

No. 4025† Ludwig Juvenile Trap-Drum Outfit.....\$32.50



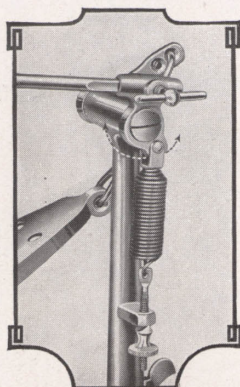
The Original Pedal

Faster and Smoother Beater Action

SMOOTHER, faster and better action than ever. The Ludwig Original Foot Pedal has a frictionless ground bearing that makes for faster and smoother beater action. The spring is now secured with a clevis to the frictionless shaft so that spring breakage is eliminated.

The stroke of beater is long and powerful. It gives you that "hand struck" blow of beater and aids you in producing a full resonant tone on the head.

Piano hammer action of the beater, smooth and easy working of the foot-board, and greater speed than ever are new features of the Ludwig Professional Model Pedal.



*New Spring and Spring Mounting
Sold as P-523\$
\$1.00*

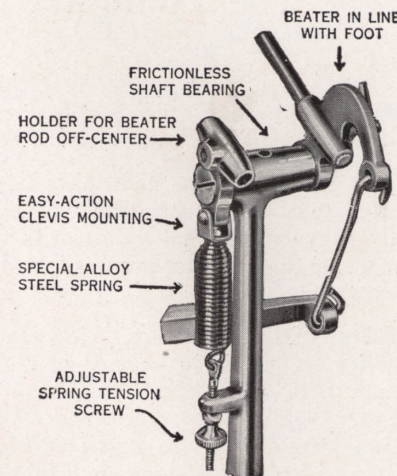
Another New Feature — The Double Holder For Two Beaters

This new arrangement permits the mounting of your beater and striker on EITHER side of the bearing shaft. There are TWO holders on the new improved Ludwig Foot-Pedal.

One of them permits a direct blow to the "dead center" of the bass drum which yields a short staccato or muffled tone like the damped or muffled effect now so popular.

The other allows you to get that resonant, full and sustained tone similar to the hand-struck blow of a concert bass drummer.

A double-purpose pedal with double holders.



Natural Restful Foot-Motion

The Ludwig pedal was the first floor-swing pedal made. At the time of its introduction, over 20 years ago, this pedal was considered the greatest aid ever offered to the drummer. It proved an instant success then and it remains the leader of them all now for with the refinement in design and construction it is without question the fastest and easiest operating pedal on the market.



It is a perfect product—both musically and mechanically. It has never been equalled for smoothness of action, mechanical accuracy and production of vibrant drum tone.

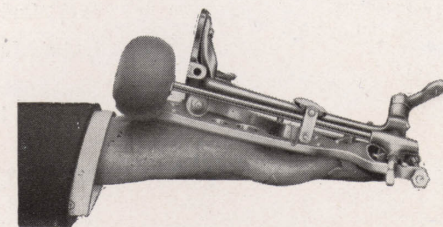
It is the only floor pedal that acts in perfect unison with the movement of the foot. The balance of the Ludwig Pedal is so perfect that it operates with as little effort as it takes to beat time.

Full Resonant Tone

This pedal brings out the best tone in your drum. Direct lever action, natural arm stroke tone, with beater arm set slightly to the right so as to strike drum where the tone is best, and to clear the foot in motion, immediate and full response in unison with every touch of the foot.

The direct lever action produces a long and powerful stroke that is adjustable to the desired degree of volume. This is similar to the natural stroke of the hand and arm.

The Ludwig beater ball is made of felt and covered with finest grade lamb's wool. This makes for that highly desired "soft" boom and full resonant tone.





The Original Pedal

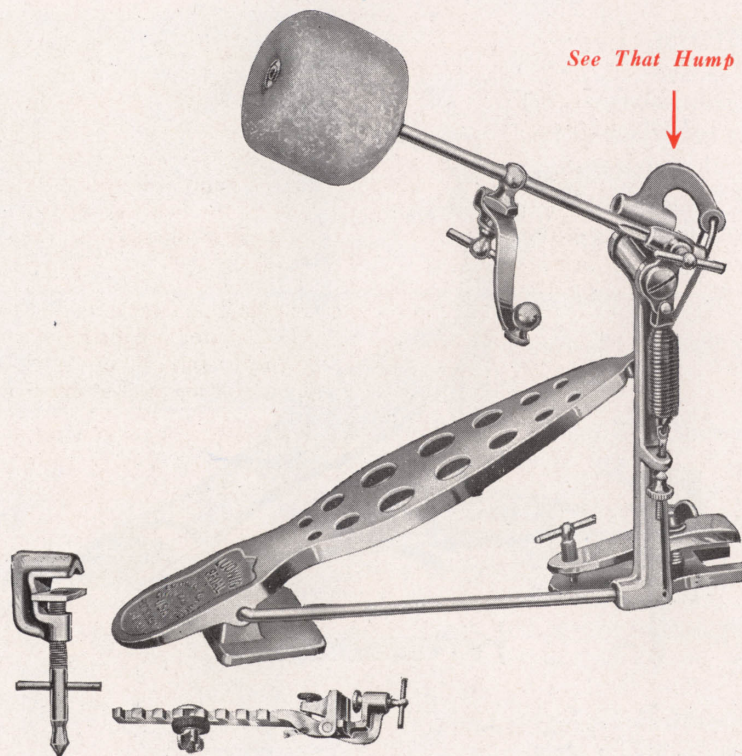
See That Hump ?

THAT'S the new added beater holder—two beater holders on the Ludwig Foot-Pedal now.

Set your beater in either end of the bearing shaft. One strikes a "dead-center" blow on the bass drum head for staccato and short beats like that of a muffled or damped bass drum.

The other strikes off-center for a resonant and sustained tone with a full sounding boom.

A double-purpose foot pedal—mount your beater in either holder for the effect required.



OWING to the direct lever action which operates the pedal in unison with the movement of the foot, the speed is phenomenal. Smooth and restful in action, will never tire the foot and you can accelerate or quicken the beat in an instant. The cymbal striker can be thrown on or off with the touch of stick or finger.

- No. 312¶. Pedal complete with cymbal holder and spurs \$10.00
- No. 311¶. Pedal with cymbal holder holder 9.40
- No. 310¶. Pedal only 8.40

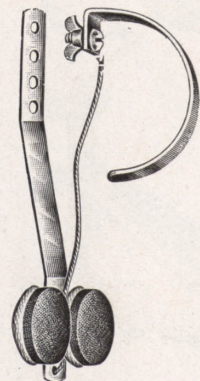
Ludwig Alternating Pedal

Alternates from cymbal to bass drum. Foot-lever cymbal throw-off. Rapid and certain action. Complete with spurs and cymbal holder.

- No. 317¶. Ludwig alternating complete \$12.00

Ludwig Cymbal Damper

(PATENTED)



Prevents "after ring" of pedal cymbal. Action is very similar to piano action damper. The cymbal damper is attached to regular cymbal holder in rear of cymbal so that soft felt pads strike against cymbal when cord is pulled while raising the toe clip. Toe clip is fastened to foot-board of pedal and cord is attached to pedal beater arm.

- No. 345. Ludwig Cymbal Damper and Toe Clip \$0.60

Ludwig Side Pedal

(PATENTED)

For places where the drummer is cramped for room—when the bass drum must be placed on the side, we have perfected a side pedal attachment that can be used with the original Ludwig pedal. It is made complete as the Ludwig Side Pedal or you can buy the attachment for your regular pedal.

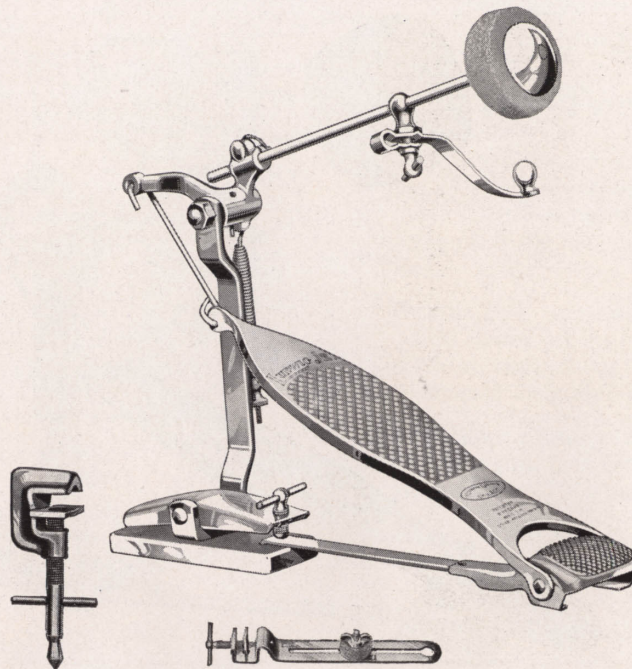
- No. 326. Ludwig Side Pedal Attachment only \$ 3.00
- No. 327. Ludwig Side Pedal, complete 10.00



The Junior Pedal

PEDAL enjoys the distinction of having a greater sale than all other pedals combined. It is the popular and moderate priced item that serves every purpose and functions with the rapidity and ease of action of much higher priced pedals.

While it does not possess the style and finish of the original Ludwig pedal, it will give you long service and complete satisfaction for many years. It is light and compact—substantially constructed and economical in price.



THE Ludwig Junior Pedal appeals particularly to the jobbing drummer as it is extremely light—occupies but little space in the drum case and meets every practical requirement of the modern drummer.

It's fast in action, easy to beat and low in price.

We guarantee it to be a perfect pedal—try us on that. We've been building pedals for many years and "kicked" them long before that and nineteen years of manufacturing have taught us how to build them well and economical.

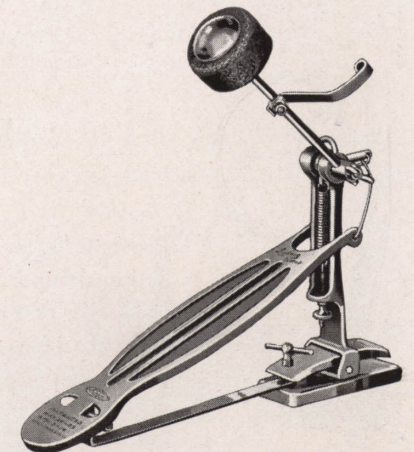
No. 314. Junior pedal complete with cymbal holder and spurs... **\$7.00**

Ludwig Juvenile Pedal

Here's a foot-pedal for the youngster. This beater was designed for the juvenile. It has a special size foot-board to accommodate the foot of the aspiring juvenile drummer. It is surprisingly fast too. Made of metal stampings that are light in weight. Pedal

folds compactly into a small parcel and takes up a minimum of room. It possesses a balanced action that makes pedaling very easy for the child. Beater ball is of best grade felt. The cymbal striker can be thrown on or off as desired.

No. 318. Ludwig Juvenile Pedal complete with spurs and cymbal holder... **\$5.00**

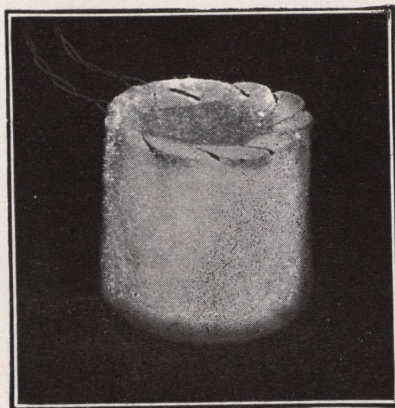




Cymbal Holders and Spurs

Lamb's Wool Felt Pedal Ball Cover

THE lamb's wool felt cover improves bass drum tone when used to cover the usual hard felt beater. Made of the finest grade lamb's wool, fits over any Ludwig pedal and produces a soft, full tone. It is complete with cord to slip over ball and fasten. Attached in a minute.

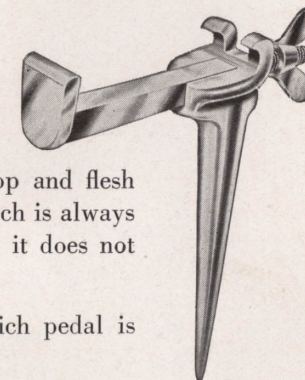


No. 329. Lamb's Wool Pedal Ball Cover \$0.60

Ludwig Spurs

No. 323

THE accompanying illustration makes any verbal description as to design of the Ludwig Spur unnecessary. Ideal as a back spur. It is thoroughly practical. The clasp engages the hoop and flesh hoop, fastening with a convenient thumb screw which is always easy to get at. While the grip is perfectly rigid, it does not mar the hoop.

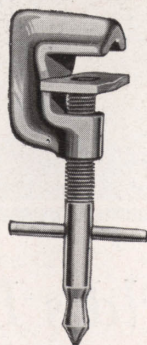


Spurs should be used on the reverse side to which pedal is attached.

No. 323. Spurs only, per pair \$1.00

Ludwig Spurs

This is a very practical spur. The popular style. It fastens to hoop only, not gripping the flesh hoop. Hook is made of steel casting, nickel plated. Spur is made of steel with a sharp point and non-marring swivel. This type spur will hold on either front or the back of bass drum.

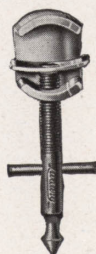


No. 324. Per pair \$0.75

Special Spurs

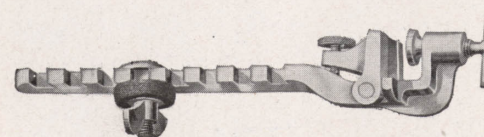
A new and economical spur has stamped steel bracket. A rigid yet moderate priced spur.

No. 328. Per pair \$0.60



No. 328

Ludwig Cymbal Holder



An original and distinguished feature of this cymbal holder is its universal adjustment clamp which makes it possible to fasten the holder at any angle regardless of the condition of the counter hoops. The square head bolt which holds the cymbal may be dropped into any of the eight adjustment slots, the fastening being firm, but free to vibrate when the cymbal is struck, thereby increasing the tone of your cymbal and adding greatly to its brilliancy.

No. 320. Cymbal Holder only \$1.00

Ludwig Junior Cymbal Holder

The Ludwig Junior Cymbal Holder made of pressed steel with a broad swivel clamp which is sure to hold on any hoop. The screw bolt holding the cymbal is adjustable in a slot, constructed in a way that will not weaken the cymbal holder. A popular cymbal holder at a popular price. While



No. 321

it does not possess all the superlative features of the regular Ludwig (No. 320) yet it fills the bill when an economical holder is desired. A good practical holder for nearly all general requirements.

No. 321. Cymbal Holder only \$0.60

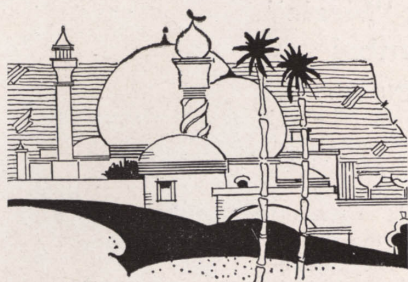


One of the World's Finest

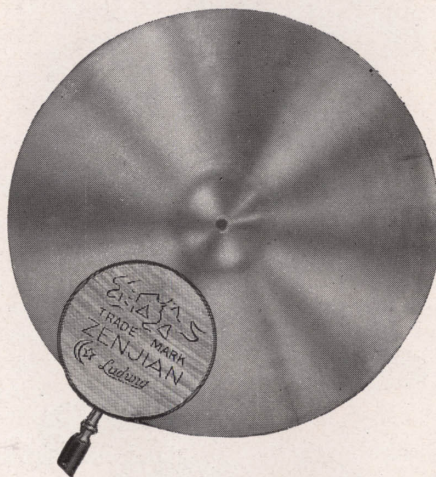
Don Clark's Orchestra of Los Angeles, California, is one of the premier organizations of the Musical World. They are noted for a smooth symphonic style featuring all the subtleties of modern arrangement. The banjoist, Leonard Mojica, is a plectrum artist using two Ludwig Banjos. The drummer, Harold McDonald, has long been a booster for the Ludwig line of Drums and Accessories. He was formerly with Paul Whiteman's Orchestra.



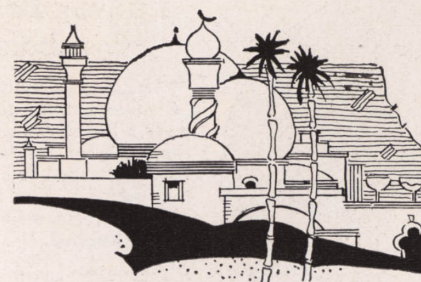
Genuine ZENJIAN Cymbals



Imported
by
Ludwig



*Note: Magnified view
of trade-mark*



THE "ZENJIAN" cymbal is responsive, highly sensitive and unequalled for volume and delicate tone shading. The tone is full, resonant and mellow. Possesses tremendous crash power—a piercing, brilliant and ringing crash when used fortissimo.

EACH genuine "ZENJIAN" cymbal bears the stamped mark near the edge.

They are graded and selected by us after importing so that you have the choice of the best cymbals right from our own complete stock. Knowing the requirements of the professional drummer enables us to select the type most generally used.

Cymbals in the Music of Today

Cymbal—and more cymbals seems to be the cry of directors. They are merely following the wishes of the public who demand a never ending procession of novelties in the modern music. Today it is a demand for cymbals unprecedented in the history of the profession. Drummers require cymbals for after-beat foot devices, for hand cymbals and plenty of suspended cymbals for crash and "sock" effects.

The Turkish type cymbal naturally, then, is becoming more popular than it ever was before. Many drummers are now changing the ordinary brass cymbals used on the foot-pedal and foot-operated

"Sock" devices to the popular Turkish type. Likewise the "Sizzle" cymbal is being used with the Turkish instead of the brass or nickel-silver.

In bands, for street and concert work you must have a pair of full-toned Turkish cymbals to get clear, ringing effects. Drum corps also are adding Turkish type cymbals to their equipment for full military crescendos and accents. Good cymbals in the hands of an active cymbalist add flourish and brilliancy to the music. The cymbalist is mighty important, and this duty should be entrusted to only such men who understand its value to the organization.

Sizes and Prices

If you want the highest grade Turkish type cymbal made—if you want power, tonal clarity and defined, sweet and sustained tone you will be more than pleased with the Ludwig "ZENJIAN" cymbal.

- No. 437—13-inch, each..... \$ 9.00
- No. 438—14-inch, each..... 11.25
- No. 439—15-inch, each..... 12.50

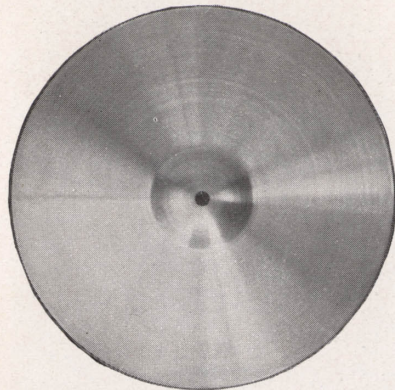
Straps Are Not Included with Cymbals

Extra for ZENJIAN "Sizzle" Cymbal Effect

The Ludwig "Sizzle" effect can be had on the genuine "ZENJIAN" cymbal at a slight extra cost. Such cymbals are made only on a non-cancellable order. They are not returnable for credit or exchange. Extra for mounting "Sizzlers" (add to cost of cymbal) \$1.00



The Latest in Cymbals and Holders



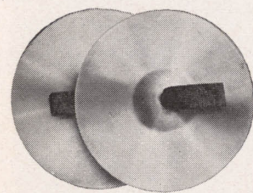
Ludwig Brass Cymbals

THEY are "spun" to a fine temper that imparts a brilliant tone. (Ordinary brass cymbals are merely stamped and formed to a round.) The Ludwig cymbal is firm, smooth and evenly finished.

All genuine Ludwig cymbals are stamped with a die forming the trade-mark design. Look for it on the cymbals when you buy.

No. 428¶. Size, 7", ea.	\$0.60	No. 432¶. Size, 11", ea.	\$1.25
No. 427¶. Size, 8", ea. ....	.75	No. 433¶. Size, 12", ea.	1.50
No. 429¶. Size, 10", ea.	1.00	No. 434¶. Size, 13", ea.	2.00
No. 435¶. Size, 14", ea.	2.50		

Straps not included.



Ludwig Hand Cymbals

Genuine Ludwig spun brass cymbals with canvas webbed hand straps. Used in Juvenile Symphony Orchestras, and for dancing specialties.

No. 424. Hand cymbals, brass with web hand straps, 7" dia., per pair. **\$.125**

For Drummers' Use

No. 430—One pair nickel silver hand cymbals mounted on cymbal suspenders that permit mounting on our No. 343 clamp, per pair. **\$2.50**



Ludwig Cymbal Suspenders

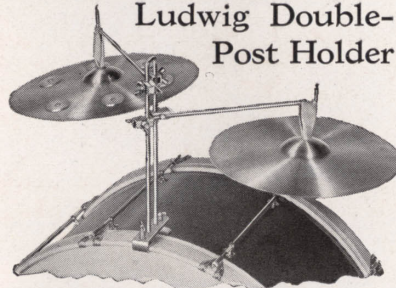
Throw away the old twine, string and wire that you are now using to suspend your crash cymbals. Here is a little device with leather strap riveted to a cup-holder disk that has a felt cushion so no metal touches the cymbal. Simply slip the Ludwig suspender through the cymbal and hang 'er up.

No. 417. Ludwig Cymbal Suspender, each. **25c**



*Ralph Smith,
Jack Chapman's
Orchestra*

Ludwig Double-Post Holder

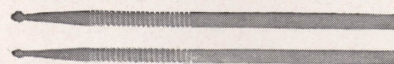


Patented and Patents Pending

The benefits are obvious. See the double uprights that fasten to both counter-hoop and against shell of bass drum. Cannot shake, wiggle or wobble. The only holder for the drummer on "permanent" location. Special Ludwig clamps lock each cymbal arm against the other. They brace one another for a rigid mounting.

No. 426. Double-post Holder as illustrated (excepting the cymbals) ... **\$3.50**

Ludwig "Sizzle" Drum Sticks

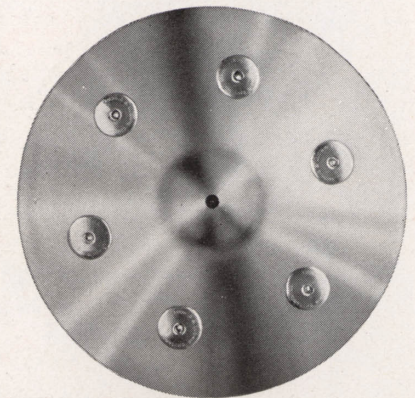


Made for special use with the Ludwig "Sizzle" cymbal. The sticks are notched to produce rolls and "rasp" effects by drawing against edge of cymbals.

No. 606. Ludwig Notched Sizzle Sticks, per pair. **\$0.50**

Ludwig "Sizzle" Cymbal

SOMETHING new in this cymbal era. The Ludwig "Sizzle" cymbal is made of "spun" brass, especially tempered, of proper weight to give that proper "sock" tone and sizzling effect. The "Sizzlers" are located to yield the ideal tone and effect.

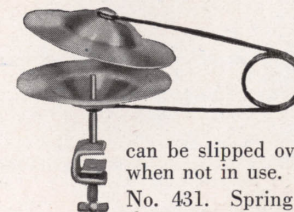


Rhythm cymbal beats are now the rage with all modern drummers. You will require the "Sizzle" cymbal to complete your outfit. Use the holders and suspenders with it shown on this page. The feature dance and recording orchestras use this cymbal to produce the very latest desired effects in cymbal rhythms.

No. 425. Ludwig "Sizzle" Cymbal, each. **\$3.00**

(Instruction for using "Sizzle" cymbal in LUDWIG DRUMMER, Sept., 1926-Jan., 1927, issues.)

Spring Mounted Hand Cymbals



For "flash" work of hand cymbals similar to wave of slapsticks use the new Ludwig spring mounted hand cymbals. Consists of Ludwig nickel silver cymbals on spring holder. The cup is so formed that they

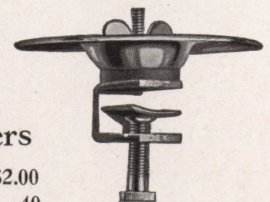
can be slipped over a clamp holder on bass drum when not in use.

No. 431. Spring mounted hand cymbals as shown **\$2.50**

No. 343. Clamp holder only, each. **.40**

Ludwig Greeko Cymbals

They are used in pairs, of two sizes to differ in pitch. Clamp fastens to counter-hoop of bass drum. Made of nickel silver.



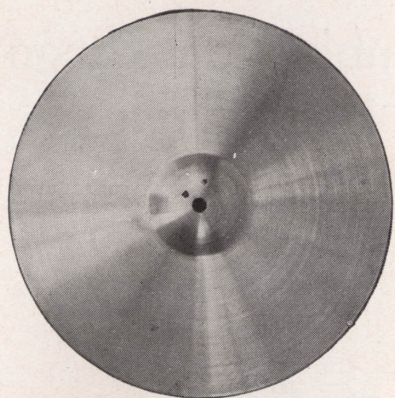
After-Beat Cymbal Holders

No. 986. Greeko Cymbals, pair. **\$2.00**

No. 987. Clamp Holder only, each. **.40**

No. 322. After-beat cym. hldr. for wood-hoop snare drum, each. **\$.060**

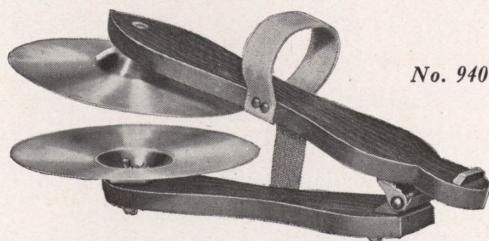
No. 322A. After-beat cym. hldr. for metal-hoop snare drum, each. **.60**



Nickel Silver Cymbals

Some drummers prefer the nickel silver cymbal against the ordinary American brass type. They have a different tone—more bell-like and possess a clearer singing quality. Ludwig nickel silver cymbals are hand-spun, finely polished to a satin silver finish.

- No. 440—Size, 8" each..... \$1.20
- No. 421—Size, 10" each..... 2.00
- No. 422—Size, 11" each..... 2.50
- No. 423—Size, 12" each..... 3.00
- No. 443—Size, 13" each..... 3.50
- No. 444—Size, 14" each..... 4.00



No. 940

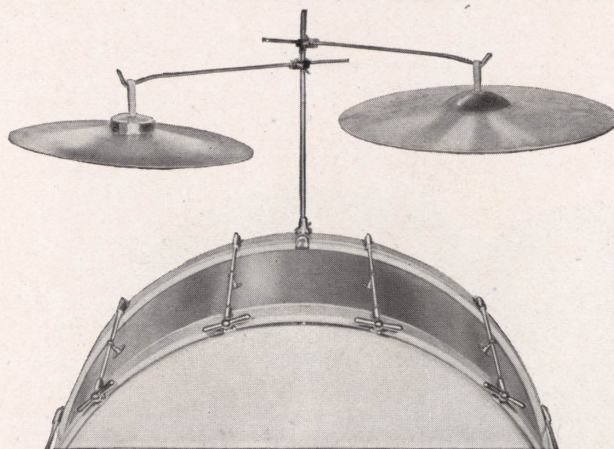
Ludwig "Charleston" Cymbal

Affectionately known as the "Snowshoe" cymbal by drummers. A highly popular effect for left foot after-beats.

Sturdily built of selected wood, in a black ebonized finish. Canvas webbed foot-strap and strong spring hinge that will stand up under heavy usage.

No. 940, "Charleston" effect, complete with cymbals as illustrated..... \$5.00

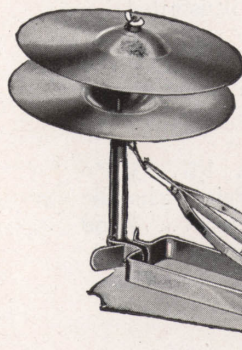
Crash Cymbal Holder



The tone of a good cymbal can be ruined by the wrong holder. The Ludwig upright holder suspends the cymbal. This is the proper mounting for fine Symphony, Concert or Theatre Work and in use by the best Dance artists.

No one has ever devised a better mounting for a cymbal or gong than the simple means of allowing it to hang freely. Any device that holds a cymbal rigidly tends to destroy the sonority and tonal quality of the cymbal.

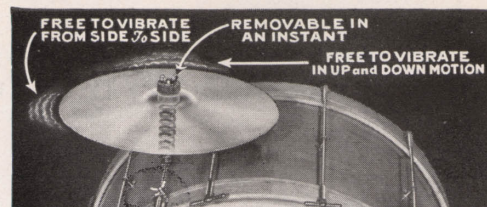
- No. 476—Ludwig Upright Crash Cymbal Holder (Single).....\$1.50
- No. 477—Ludwig Upright Crash Cymbal Holder (Double) 2.30
- No. 498—Extra arm for this holder..... .80



Perfection "Sock" Cymbal

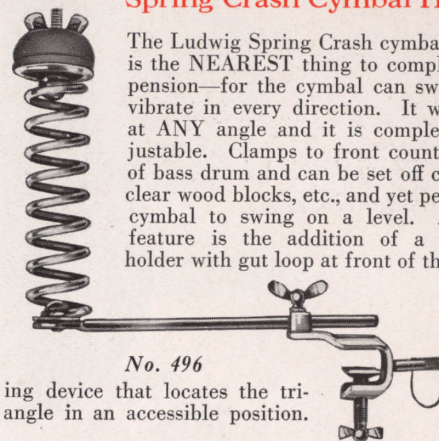
A small and compact left foot cymbal effect. Folds into small space. It is ideal for the jobbing drummers. See the illustration showing the set-up and folded for packing. Order the cymbals separately.

- No. 941§ Perfection "Sock" Cymbal, pedal only...\$5.00
- No. 429¶ 10-inch brass Cymbals (for use on above pedal) each\$1.00



Spring Crash Cymbal Holder

The Ludwig Spring Crash cymbal holder is the NEAREST thing to complete suspension—for the cymbal can swing and vibrate in every direction. It will hold at ANY angle and it is completely adjustable. Clamps to front counter hoop of bass drum and can be set off center to clear wood blocks, etc., and yet permit the cymbal to swing on a level. Another feature is the addition of a triangle holder with gut loop at front of this hold-



No. 496

ing device that locates the triangle in an accessible position.

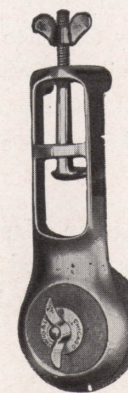
No. 496 Ludwig Spring Crash Holder, complete with triangle holder..... \$2.25

No. 418 Single curved arm, Juvenile style crash cymbal holder, each..... \$0.75

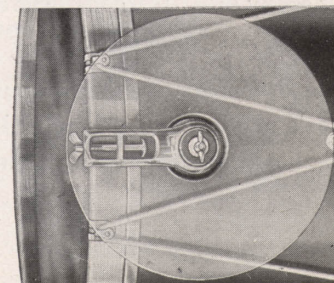
"Universal" Cymbal Holder

The most practical holder for bass drum cymbal on the march. Preserves the highly desired cymbal tone. Light and easily attached or detached. Made of aluminum with a steel thumb screw.

No. 474 "Universal" cymbal holder..... \$1.60



No. 474

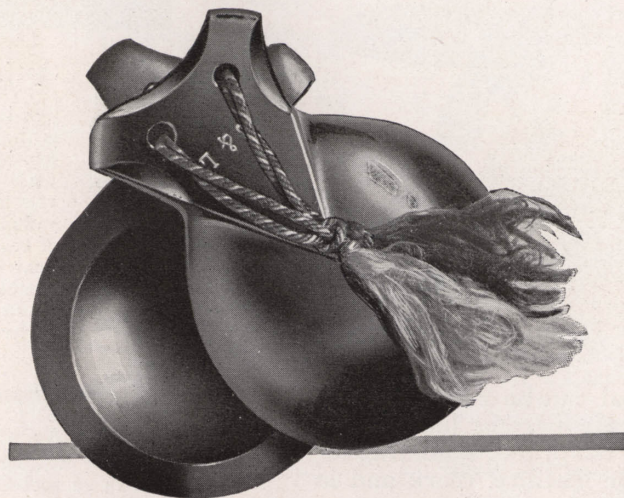




Ludwig "Spanish" Castanets

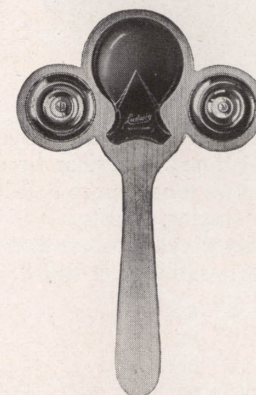
Combination Tango Trap Jingle Castanet

*The World's Highest
Grade Castanet*



*Made Only by
Ludwig*

Note: A set consists of two pair—one pair for each hand.

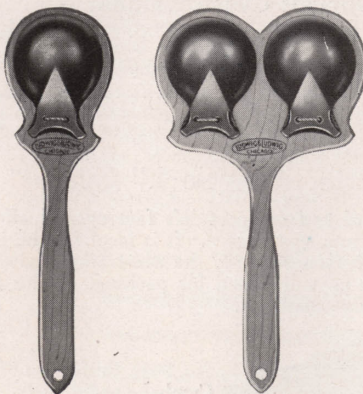


(Patented)

THE only castanet that has the tone, weight and shape of the genuine Spanish Castanet and in addition is many times more durable.

Ludwig Castanets are made of a special composition, moulded to shape and form under several hundred tons pressure. They possess that peculiar tone so highly desired by theatrical dancers. The general public is quite familiar with the tone quality of the genuine Spanish make and you can hardly afford to sacrifice results for the very slight difference in cost over inferior makes. They are stronger and will not chip as readily as ebony or other woods. The hand castanets are paired with a tasseled silk cord.

For drummers' use they are mounted on selected hard-rock maple handle, handle being ebonized finished. Castanets are fastened with best grade selected gut.



No. 488. Ludwig
H a n d Casta-
nets \$0.90
(The pair, as
illustrated)

No. 480. O n e
P a i r on handle
. \$1.50

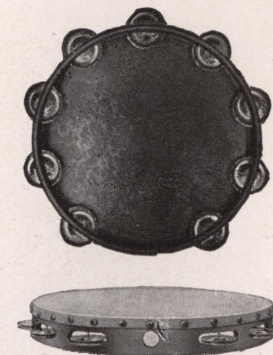
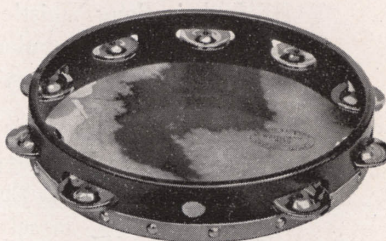
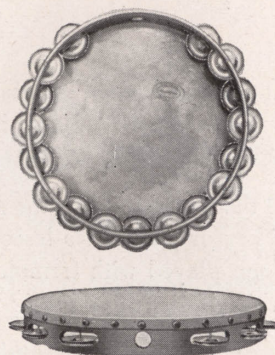
No. 481. T w o
P a i r s on handle
. \$2.50

One pair of Castanets with two sets of jingles. The double effect of genuine castanet combined with tambourine jingle. Can be played with one hand—a feature that will appeal to the theatre and dance drummer. It is a new effect and very popular for Spanish or Tango dances.

No. 632. Jingle Castanet \$2.00



Ludwig Tambourines

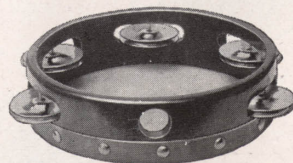


The Quality Standard

LUDWIG Tambourines are representative of the high quality, excellent workmanship of our entire line. They are made to standards of excellence far in excess of ordinary requirements. Tambourines are a trap necessity and drummers generally give them gruelling service that would prove ruinous to ordinary makes.

Dancing schools, stage productions and minstrel shows require a serviceable and strong tambourine that has the desired "tambo" tone. In some of the large musical shows of the present day they feature the "tambourine drill" with the complete ensemble for finale numbers. Seen last season in LeMaire's Affairs and "Cocoanuts" of the Four Marx Brothers.

You can depend upon Ludwig Tambourines for quality of tone, workmanship and material. The shell is made of selected SOLID stock, highly finished in the natural walnut color of the wood. The jingles are of our own manufacture and of correct weight so as to speak easily and yet give the desired volume and genuine tone.



Ludwig Tambourine Heads

LUDWIG Tambourine heads are made of the very best quality calf and possess a special moisture and water resisting surface that renders them immune to the ordinary temperature variations.

Juvenile Symphony Orchestras

Music supervisors want the best for their Juvenile Symphony classes, for the youngster gives them heavy service and only a well-built tambourine will stand up for that work. Then too, the tone is very important—teachers and supervisors both are very critical about this.

The popular size for regular trap work is our 8-inch size. This model is also a favorite in schools and dancing classes.

No. 489¶.	6" with 5 jingles.....	\$1.50
No. 482½¶.	8" with 7 jingles.....	2.00
No. 482¶.	10" with 9 jingles.....	2.50
No. 484¶.	10" double row, 17 jingles.....	3.50



Ludwig Song Whistle

Used in Recording Victor, Brunswick and Columbia Records

THE Ludwig Song Whistle is a musical instrument that can be used for playing anything from classical music to popular syncopated numbers. The simplest of any instrument ever devised and therefore the easiest of them all to play.

DOWN is a low tone. UP is a high tone. That is all there is to it. It is the only instrument that can be played to the phonograph without thought of key or pitch. No lessons required to play the Ludwig Song Whistle. When played with tremolo motion of slide it closely resembles the human voice.

Besides being a popular trap effect for the drummer this instrument is very popular with the young folks as an accompaniment with the Ukulele and Banjo-Ukulele. Ideal for beach parties, vacation trips—wherever you may wish to carry a small musical instrument.

The Ludwig Song Whistle can be put into play at conventions as a novelty for group performances at banquets and dinners. Also used for "Stunt" nights at American Legion, fraternal lodges and among various organizations in their parades, etc.

No. 973

\$1.50

How To Play

ALWAYS use a tremolo motion, keeping the wrist as loose as possible.

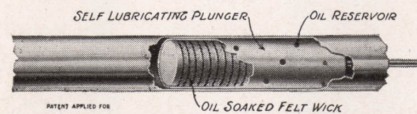
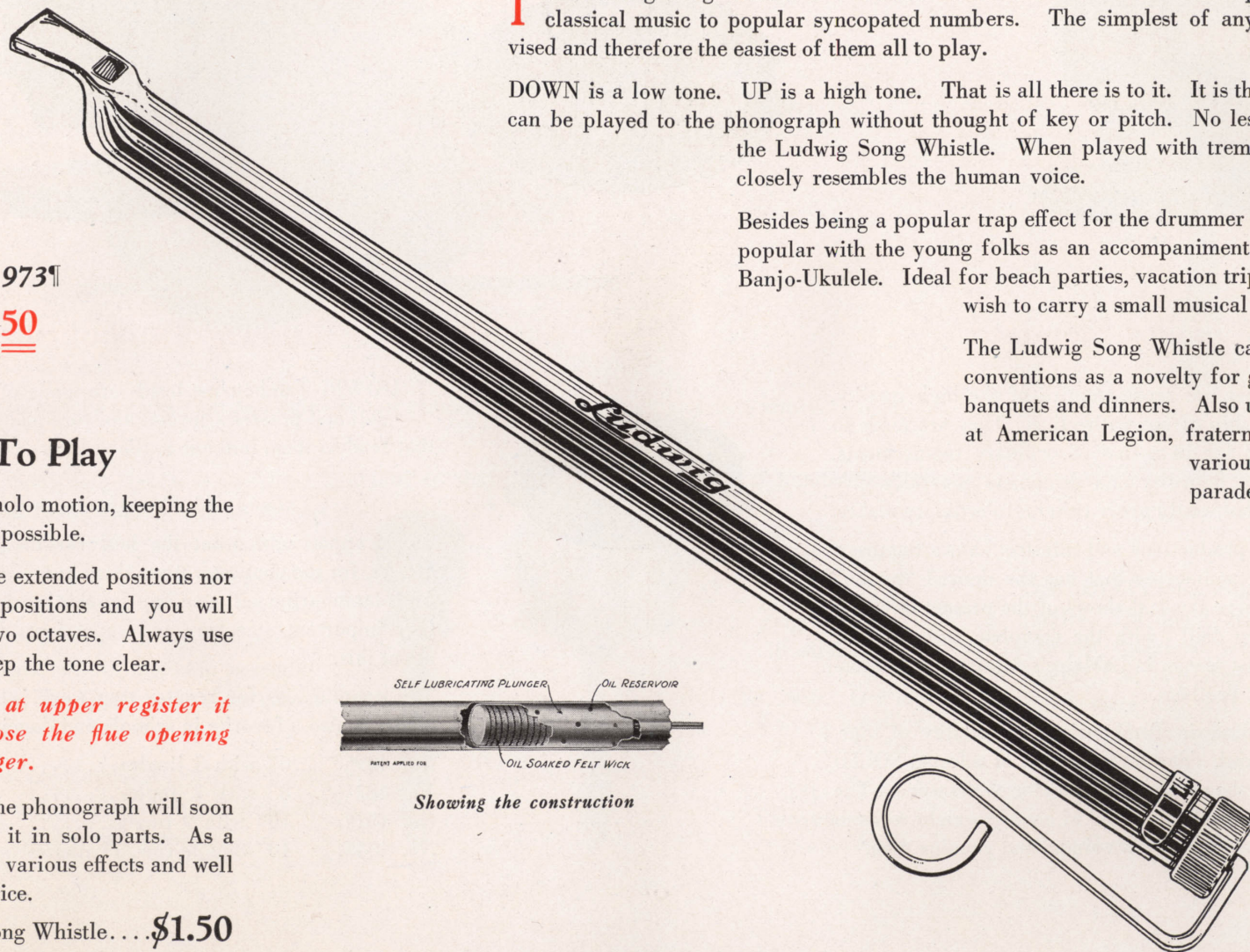
Do not overblow at the extended positions nor underblow at upper positions and you will get a range of over two octaves. Always use sufficient breath to keep the tone clear.

To clear the tone at upper register it will aid you to close the flue opening slightly with the finger.

A little practice with the phonograph will soon enable you to feature it in solo parts. As a trap it can be used for various effects and well worth its moderate price.

No. 973. Ludwig Song Whistle... **\$1.50**

Page Fifty-six



Showing the construction



The Synco-Jazzstick

For a Variety of Effects

THE wire brush is used for alternating swish or accented taps on snare drum, effective for regular or after-beat, sand block imitation, railroad train effects. The rubber mallet end makes it possible to change quickly to muffled snare drum, bass drum beats, for wood-block, tom-toms and cow-bells. Can also be used on cymbals, triangles and quick change for a few beats on bells.

The Ludwig Synco-Jazzstick slides into protective aluminum handle when not in use which keeps the wires straight and even. It is the only practical collapsible steel-wire effect made—manufactured exclusively by Ludwig.

New Uses for the Synco-Jazzstick

Many drummers are using this trap with remarkable effects in soft choruses of vocal numbers on the stage productions.

Another clever adaption was seen with the Art Kahn orchestra when he (Kahn) does a piano solo with the drummer featuring a rhythmic background of wire brush "swishes."

The Synco-Jazzstick permits a hundred different effects on cymbals, snare drum, etc., in fact, they are now considered a standard item of every drummer's kit.



No. 630

75c

Per Pair

A Practical Necessity

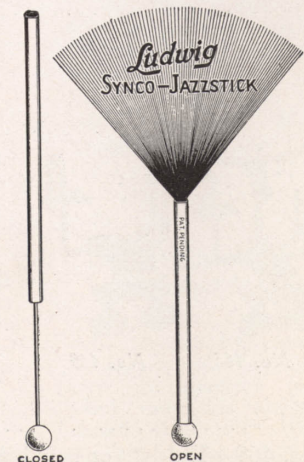
THE Ludwig Synco-Jazzstick is a practical and novel effect that should be in every drummer's kit. It is perfectly balanced—strongly made and will endure under rough handling and use.

The wire brush contains 200 fine steel wires, tempered and tinned to prevent rusting. The holder rod is steel wire and wires are fastened by a brass ferrule. Mallet end is 3/4" semi-hard rubber.

No. 630. Ludwig Synco-Jazzstick,
per pair\$0.75

Opens and Closes in an Instant

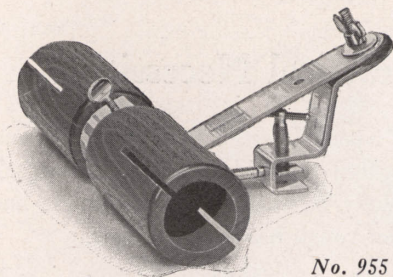
They open and close with a slide action that is extremely fast and easy. Close them when not in use to protect the fine steel wires.





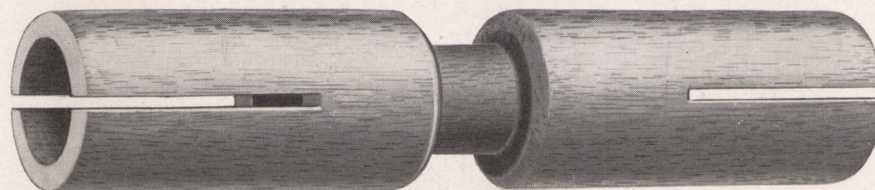
Two-Tone Wood-Blocks

Two-Tone Wood Block and Holder



No. 955

Large single block and holder complete.
No. 955.....\$3.00

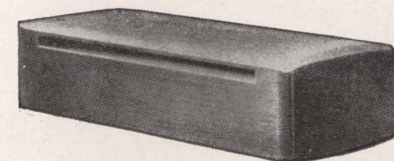


No. 957—Ludwig two-tone block (Large block only).....\$1.50
No. 959—Ludwig two-tone block (Small block only).....1.20

The Ludwig two-toned wood-blocks are double toned—a different tone in each end. They possess a definite clear tone, resonant and full. This wood-block is decidedly superior to the imported type of Chinese block as a variety of effects are possible. The holders fasten to center of block and at-

tach securely. The small block is used only in connection with the large one when attached to double holder. The large block is used singly. Both holders are so designed to accommodate added sections for Ludwig cow-bell sets and tunable tom-toms.

Chinese Wood-Blocks



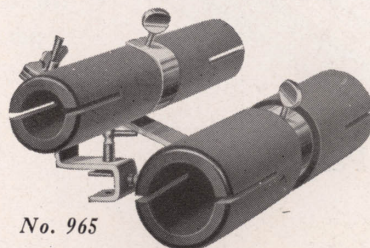
Chinese wood-blocks imported direct by us are of the very best quality possible to obtain. They will stand up under hard usage, but due to the peculiar properties of this wood we cannot guarantee them against checking or cracking.

No. 462§—Small size, Chinese Wood-Block.....\$0.75
No. 464§—Large size.....1.20

Four-Tone Wood Blocks and Holder

Two wood-blocks with four different tones, and holder complete.

No. 965.....\$4.50

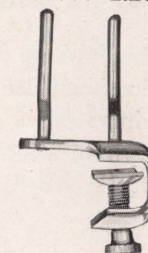


No. 965

Ludwig Wood-Block Holder

Made for Chinese blocks and the popular Piccolo wood-blocks. It is adjustable to hold either of these blocks. Has a knurled thumb-screw and clamp is designed to fasten rigidly and securely to counter hoop. This is a new and stronger holder that is far superior to the old type.

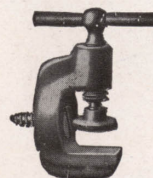
No. 463—Holder for Wood-Block.....\$0.60



Ludwig "Rigid" Wood-Block Holder

This type of holder is used in pairs and fastened to Chinese block with small screws. Holds the block firmly and rigidly without possibility of wobble. Clamps firmly without marring counterhoop. Sets low on bass drum.

No. 470—Price, per pair.....\$0.75



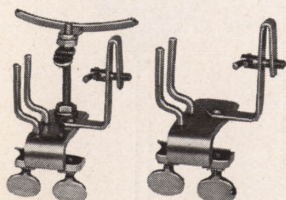
Combination Holders

Holders that combine wood-block with cow-bell and tom-tom or else the other combination of wood-block and cow-bell.

Wood-block and cow-bell is an effective recording combination. The arrangement of both holders permit compact mounting of the traps—using a small amount of space.

No. 465—Holder for tom-tom, wood-block and cow-bell.....\$1.75

No. 469—Holder for cow-bell and wood-block.....\$1.50



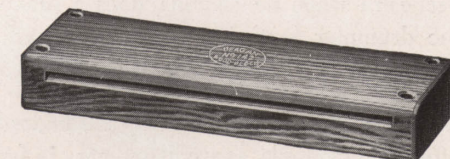
No. 465

No. 469

Ludwig Piccolo Blocks

This block is made of the celebrated Nagaed wood and possesses tremendous volume and a distinct carrying tone. It is smaller than the usual block, speaks easier and more distinctly.

No. 1400§—Ludwig Piccolo Blocks, small size.....\$0.75
No. 1422§—Ludwig Piccolo Block, large size.....0.90

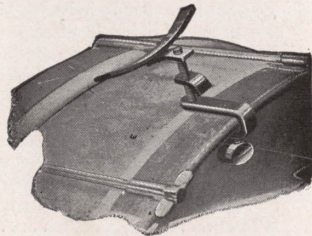




Tom-Tom Holder

Fastens to counter-hoop of bass drum. To attach, fasten holder plate with 4 screws to side of tom-tom at angle desired. Holder is adjustable for height.

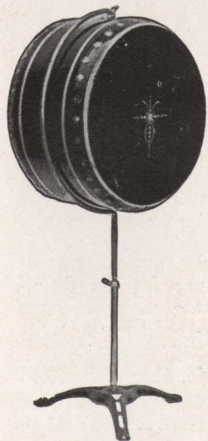
No. 974—Tom-tom Holder..... \$1.25



Tom-Tom Holder

A practical and popular arrangement for single tom-tom.

No. 467—Tom-tom Holder..... \$0.90



Tom-Tom, Cymbal or Gong Stand

Designed to hold extra large tom-toms, large Chinese gongs, or crash cymbal with spring holder at tip. Made with heavy floor base and adjustable steel tube for height.

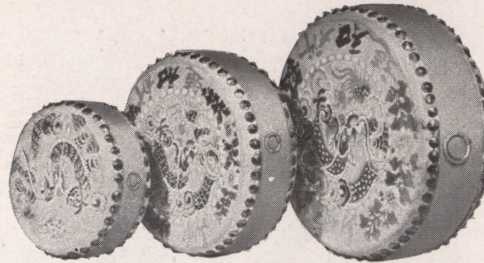
No. 985—Stand for Tom-tom..... \$6.00

No. 990—Stand for Gong.....\$7.00

No. 991—Stand for Cymbal (includes spring tip) \$6.00

NOTE—We do not sell the large Tom-Toms. See list above for sizes.

Oriental Traps



Ludwig Chinese Tom-Toms

The genuine Chinese tom-tom is imported direct from the Orient by Ludwig & Ludwig. We grade and select the choice tom-toms for our own label. They bear the trade-mark affixed to the side of the tom-tom.

Tom-toms are a standard trap for the drummer. Now with the "Black Bottom" dance in vogue there is a greater call for this effect than ever.

Ludwig tom-toms are hand-finished and decorated; bright and new in their brilliant red trimming with the bizarre oriental design.

No. 405\$—10 inch..... \$ 3.25

No. 406\$—12 inch..... 7.50

No. 407\$—15 inch..... 10.00

Ludwig Oriental Temple Blocks



The Ludwig Oriental Temple Blocks are mounted upon a heavy base and adjustable stand which makes them exceedingly practical. Can be quickly taken apart for transporting from one job to another. Sold as a complete outfit and includes a set of (FIVE) Lud-

wig Oriental Temple Blocks, adjustable stand and pair of Ludwig mallets.

These blocks cannot be guaranteed as to perfect scale. Allowance must be made for the inaccuracies of oriental workmanship. They are suitable, however, for all practical requirements.

No. 1015\$. Complete with stand and mallets. \$45.00



Chinese Cymbals

In selecting Chinese cymbals it is well to look for those of the very best quality. There is a variance in the grades imported to the U. S. Ludwig Chinese cymbals are imported direct by us. They have that brilliant "crash" tone and brilliance. All are hand-hammered, finely tempered and of the most durable quality.

No. 442\$—Size, 12", each.....\$ 2.75

No. 459\$—Size, 13", each..... 3.25

No. 454\$—Size, 14", each..... 3.75

No. 460\$—Size, 15", each..... 4.00

No. 461\$—Size, 18", each..... 6.00
(No straps.)

Chinese Gongs

For that sonorous and genuine Oriental effect gongs are required. They are absolutely necessary for heavy tom-tom and loud crash effects. Possess great durability and tremendous volume.

No. 455\$—14" \$7.00 | No. 456\$—18" \$10.00
No. 455½\$—16" 8.00 | No. 457\$—20" 12.00

Oriental Musettes

Genuine Chinese musettes for that weird Oriental music.

No. 507\$—Small size (13") \$0.75

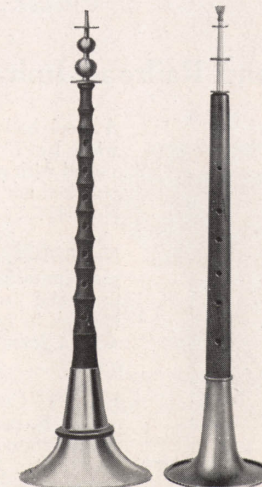
No. 508\$—Large size (18")\$1.25

No. 509\$—Musette reeds, each \$0.04

Ludwig Modern Musette

Seasoned wood with metal bell. Simplified fingering. Instruction and free musette arrangements supplied with this modern musette only.

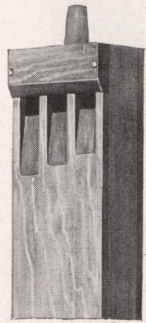
No. 510—Ludwig Modern Musette, each \$7.50





Whistles and Imitations

Ludwig Three-in-One Whistle



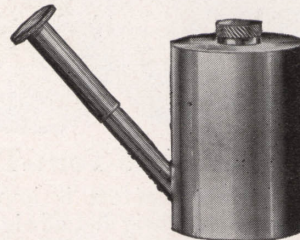
Skill is required to make a wood whistle. Knowing what the work requires, we have spent a lot of time and money in perfecting what looks like a simple wooden affair.

It is not. Excellent for steamboat.

We take special pride in the careful construction of our wood whistles. They are skillfully voiced and respond to the slightest breath. They will sustain a rich, full tone when blown hard for railroad effects.

Voiced by experts to blow very easy and will not overblow. 16" long.
No. 521§ Price, each..... \$3.00

Ludwig Professional Bird Whistle



The best bird imitation on the market. Carefully voiced for accurate imitation. The effect is realistic and sure. Heavily nickered and made of brass. Used with water and so designed that cover cap makes it leakproof.

No. 511—Ludwig Bird Whistle.
3" high..... \$2.00

Bird Whistle



An inexpensive and popular bird whistle that will serve the purpose for the school and juvenile orchestra. 2½" high.

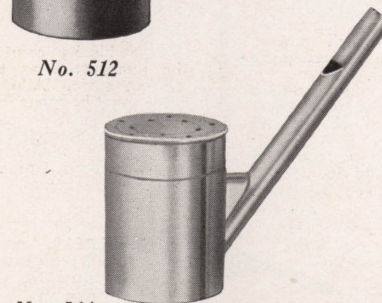
No. 512—Bird Whistle..... \$1.25

Bird Whistle

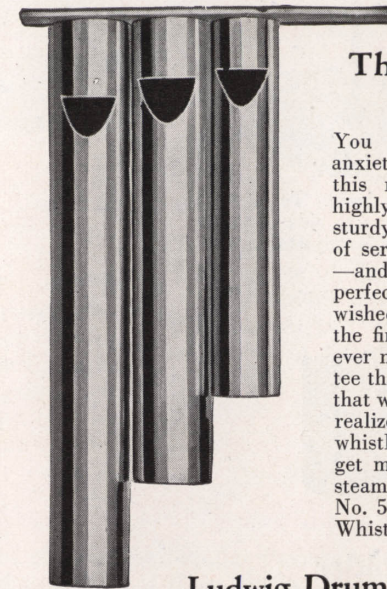
An economical water-carrying bird whistle. 3½" high.

No. 514§ Bird Whistle..... \$1.50

No. 512



No. 514



New Ludwig Three-Tone Boat and Train Whistle

You can dismiss all worry and anxiety from your mind when you use this new effect. Made of metal, highly nickered and is a compact, sturdy trap that will give many years of service. More reliable than wood—and less bulky. Voiced just as the perfect whistle effect you have long wished for. It is without question the finest of whistle effects we have ever made. Drummers, we'll guarantee that you have never played a trap that will give you the satisfaction you realize in performing on this new whistle. It is three-toned and you get many variations of the standard steamboat and train calls. 7¼"x4½".
No. 515§ Ludwig Three-Tone Whistle..... \$3.00

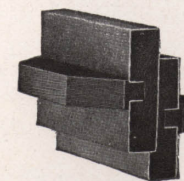
Ludwig Drum Major and Police Whistle



A shrill metal whistle that is used for commands and assembly calls in Drum Corps and Bands. Also used for trap work as a police traffic whistle, mailman, etc.

No. 524—Price, each..... \$0.50

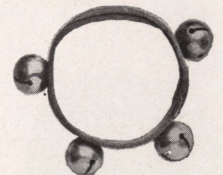
Ludwig Sand Blocks



Swish, swish, swish—for soft shoe dancing and nigger shuffle effects. Also used in the children's juvenile orchestras for rhythmic figures. 3"x5".

No. 752, pair..... \$0.50

Ludwig Sleigh Bells



Still effective as ever. Used a lot on hand strap or for wrist similar to one pictured in juvenile orchestras. Good small trap for the drummer as well. Four (4) bells on wrist strap.

No. 419..... \$0.60
No. 490—11 bells on strap..... \$2.50
No. 491—20 bells on strap..... 4.00

Nose-Blow



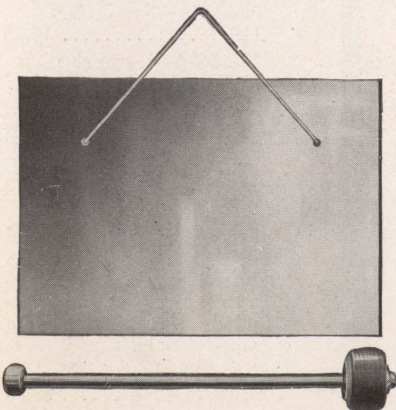
A short, hard blast produces a regular "bandana" handkerchief effect. Will also produce an accurate imitation of fly buzz, bee hum and mosquito.
No. 556—Nose Blow Imitation.
4" long..... \$0.20

Snore Imitation



Very effective for comedy pictures.
No. 557—Snore Imitation. Length 6"..... \$0.30

Ludwig Bell-Plate and Railroad Imitations



A steel bell-plate, 9½" wide by 7" high, furnished with mallet. Not polished nor plated.
No. 531..... \$3.00

No. 528—Ludwig Railroad imitation; effect is produced with heavy springs in box, stroked with a lever across the springs..... \$6.00

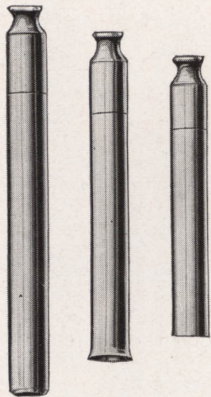
No. 529—Complete bell and R. R. imitation—(a combination of Nos. 531 and 528) makes the complete outfit. \$9.00



Ludwig Imitations

Reed Effects

Ludwig reed imitations are remarkably true, they depict the genuine call or effect desired. Ludwig reed traps are a pleasure to use.



Rooster Crow

Perfect rooster effect—loud and lusty. Made of nickel plated brass tube with metal reed.

No. 501—Ludwig Rooster Crow, 8½" long. . . . \$1.25

Hen Cackle

Realistic effect for "cackle." Has durable brass reed. Made of brass tubing, heavily nicked and polished.

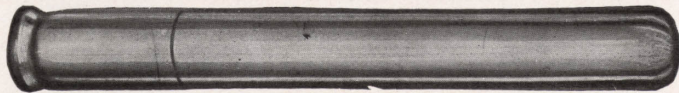
No. 502—Ludwig Hen Cackle, 5½" long. . . . \$1.00

Baby Cry

Perfectly voiced imitation. Made of brass, nicked and polished.

No. 503—Ludwig Metal Baby Cry. 5" long. . \$0.75

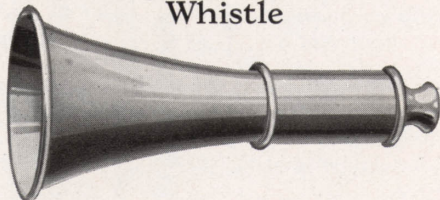
Ludwig Cow Bawl



Strong, life-like tone. Made of nickel plated brass tubing, 15" long. Detaches to 9" for compact carrying.

No. 500—Ludwig Cow Bawl. \$1.75

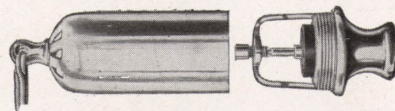
Ludwig Bell Mouth Wind Whistle



A metal wind whistle that is extremely powerful, ideal for cyclonic effects. Responds easily and quickly. 5" long.

No. 549\$—Ludwig Wind Whistle with bell \$2.00

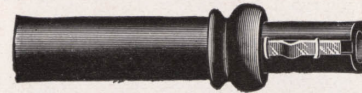
Cyclone Wind Whistle



An imported whistle that responds to the slightest breath. No drummer can afford to be without a reliable wind whistle. 3" long.

No. 513 \$1.00

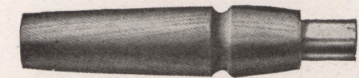
All-in-One Trap and Duck Call



Combination Hen Cackle, Baby Cry, Duck Call, Jay Bird or Cow Bawl—all excellent imitations. The different effects can be obtained by simply shifting a small slide with your thumb or first finger. Use this once and you will never be without it again. Made of hard rubber; 4¾" long.

No. 506\$—Each \$1.75

Allen's Duck Quack



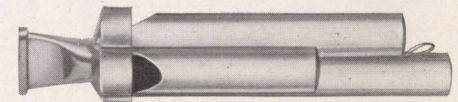
Made of wood and metal. A perfect imitation of duck quack. Can also be used as Hen Cackle, Rooster Crow, Pig Grunt and many other imitations. Every drummer needs one. Finely made and will last a lifetime. 5" long.

No. 505\$—Each \$1.25

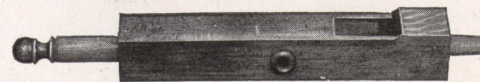
Three-Tone Interurban

A new three-toned effect for interurban train imitations and a variety of other calls. 5½" long.

No. 523\$—Interurban \$1.00



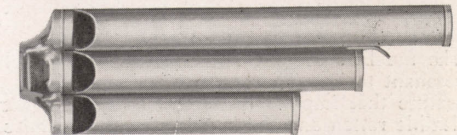
Ludwig Cuckoo



Single cuckoo, like illustration, made of same fine quality of hardwood. Skillfully voiced, perfect effect. 10" long.

No. 526\$—Price, each. . . \$1.75

Three-Tone Metal Whistle

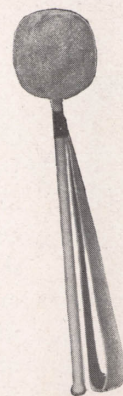
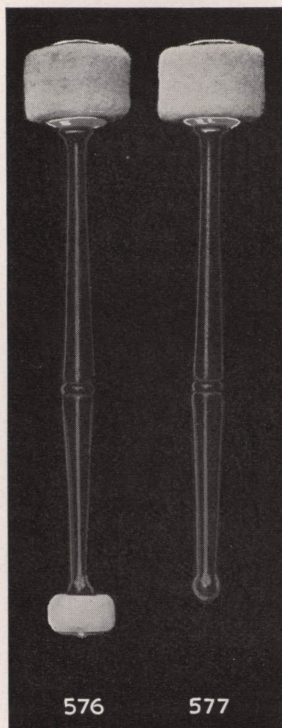
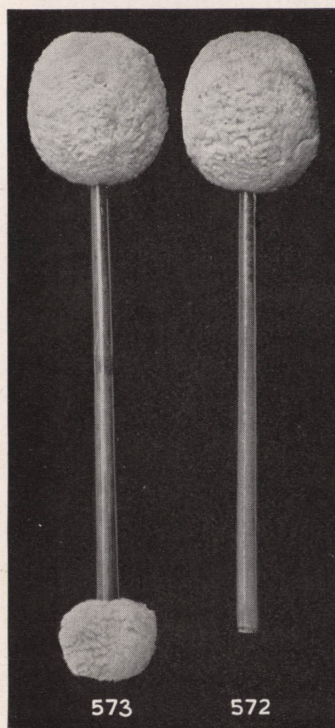


Nickel-plated, compact. Excellent imitation of small steamboat, launch, interurban electrics and motorcycles. A very effective, useful, inexpensive and durable little trap. 5½" long.

No. 522\$—Price, each \$0.75



Drum and Tympani Sticks



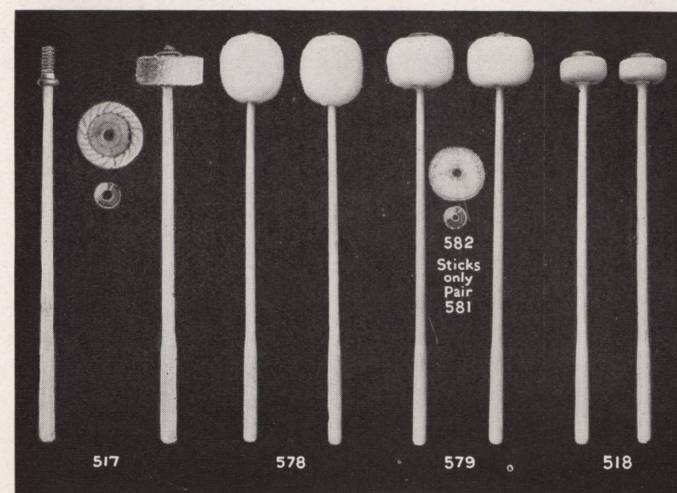
Military Model

Natural lamb's wool over felt ball on hickory stick. Equipped with chrome tanned horsehide strap. Will not "blister" hand.
No. 633.....\$3.50

Scotch Bass Drum Sticks

Felt covered beaters on rattan handles. Sticks are 15" over all. Butt end has fibre ball. Stick is drilled for leather thong loops. Leather thongs are included.

No. 571. Sticks, per pair.....\$5.00



Tympani Sticks

No. 517 is a detachable ball, disk model that is a favorite in the East—used and recommended by Oscar Schwar. Per pair.....\$2.50

No. 578 is a standard light model for general work where one drummer is used for the entire percussion section. Best grade hickory stick and piano damper felt used. Per pair.....\$2.25

No. 579 is the Joseph Zettelman model and used considerably by Symphony, large Concert Bands and Picture House orchestras where one man is assigned to Tympani only. Ball is fastened to stick with a screw button that permits replacing of ball. Only best grade white piano damper felt is used for this model, mounted on hickory stick. Per pair.....\$2.50

No. 518 is made of solid felt and used for tremendous fortissimos in bands, theatre orchestras and large organizations. Also effectively used on snare drum with snares engaged or thrown off. A desirable model for tympani and drum with no time allowed for change of sticks. Per pair.....\$1.50

No. 559 is similar to the model pictured as 578 excepting that the ball is covered with natural lamb's skin, especially selected soft, fluffy and durable. Desirable stick for general all-around work. Per pair.....\$2.50

No. 581. Handles only, per pair..... .80
No. 582. Balls only, per pair..... 1.75

Bass Drum Sticks

A GOOD bass drum stick properly selected for the results desired certainly improves the tone of the drum.

The numbers 573-572 are Concert models and designed to bring out full, resonant tones. The beater is soft and light, yet the ball is of a size and texture that imparts distinctive carrying power. The handles are smooth, flexible rattan and the ball is of natural lamb's wool.

The numbers 576-577 are designed for tremendous volume and are generally used in large brass bands and for street work. The balls are of best grade; white Spanish felt with two retaining metal washers. The stick handle is made of hickory wood in mahogany finish.

- No. 573. Double end concert model.....\$3.00
- No. 572. Single end concert model..... 2.50
- No. 576. Double end stick..... 2.00
- No. 577. Single end stick..... 1.60



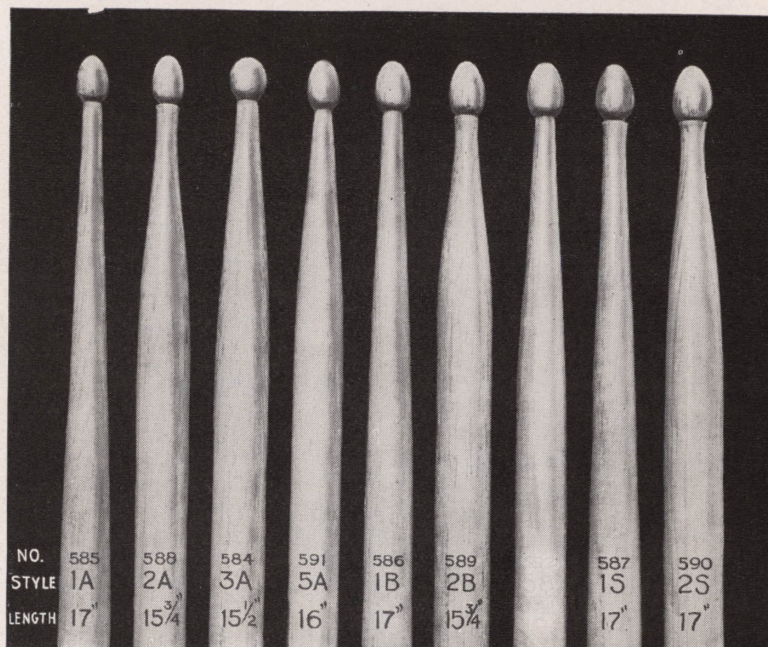
Drum Stick Models

Hickory Models

LUDWIG drum sticks are made of selected hickory. We use the graded stock only, selecting the best wood obtainable. Ludwig hickory drum sticks are always uniform as to size. The models never vary and you can always reorder by number with the assurance that there is no variation.

Drummers get used to certain models and do not desire to change. We can always furnish you with the stick you have been accustomed. Uniformly straight, even in grain and texture, with a minimum of deviation in balance—that's the quality of Ludwig drum sticks.

Order them by number and specify Ludwigs—the name is on the butt of each stick.



The Quality Standard

FOUR essential qualities are found in the genuine Ludwig sticks. They are uniformity, elasticity, balanced weight and durability.

The "A" Models are for Orchestra Drumming.

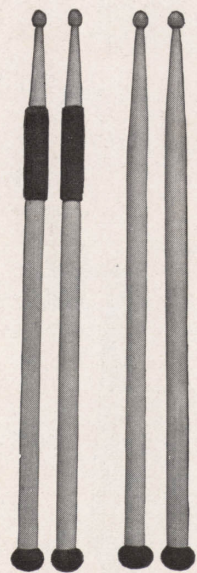
The "B" Models for Band and Concert Work.

The "S" Models for Parade and Drum Corps.

Any model, Ludwig Hickory Drum Sticks, per pair.....**\$0.35**

Ebonized Finish

Hickory sticks, with ebonized finish (black), pair.....**\$0.90**



Three-in-One Sticks

These new model sticks are used for various soft beats and effects on wood-block, cymbal and butt end for tom-toms and bass drum where quick changes do not permit use of separate sticks. They are made of regular white hickory in the usual drum stick models. Have padded felt on butt end or shoulder.

No. 627—Two-in-One sticks, per pair**\$0.75**

No. 628—Three-in-One sticks, per pair **1.50**

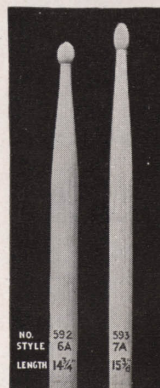
"Sizzle" Sticks

Made for special use with the Ludwig "Sizzle" cymbal. The sticks are notched to produce rolls and "rasp" effects by drawing against edge of cymbals.

No. 606. Ludwig Notched Sizzle Sticks, per pair.....**\$0.50**



"Sizzle" Sticks



Lightweight Sticks

Two new Ludwig models that are extremely light. This is the type of stick greatly in demand for "easy" dance work. They are straight, uniform and even in balance. Made of first selection fine grained hickory.

No. 592—6A, 14³/₄" long, per pair. **\$0.35**
No. 593—7A, 15³/₈" long, per pair. **.35**



No. 629

Felt Tip Drum Sticks

They are made in a special design for novel effects on snare drum. You can "roll" and get all the usual beats of the regular snare drum stick with this model. The felt end is made of best grade white felt, securely fastened. This is the stick that gives you that realistic tom-tom effect on muffled snare drum.

No. 629—Felt Tip Drum Stick. Per pair...**\$1.25**

Ludwig Snakewood Models

They are heavier than hickory and used mostly for heavy band duty or the drum corps. Many drummers also use the snakewood models for limbering-up practice on the practice pad. Exhibition and solo rudimental drummers favor genuine snakewood sticks.

No. 604\$17¹/₈" length, taper shoulder. Per pair.....**\$2.50**

No. 603\$16¹/₂" length, short stub shoulder. Per pair..... **2.50**

No. 602\$16" Orchestra Model. Similar in shape to 1A..... **2.50**

Note: Snakewood, being a dense wood, is naturally more brittle than hickory. Care should be taken not to use them on cymbals or metallic surfaces. Cannot be guaranteed against breakage.



No. 603



Triangles, Holders and Slap-Sticks

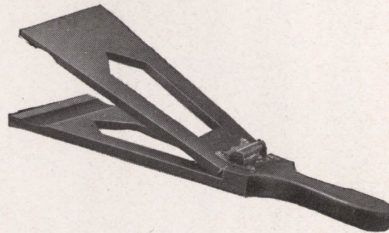
Piccolo Slap-Stick



A new slap-stick novelty used in pairs to make a "roll" or "bones" effect. Gaining in popularity with the theatre trap-drummer and the dance drummer. It's new and different. They are extremely light and can be used for fast work.
No. 547—Piccolo Slap-Stick, each . . . \$1.00

Regular Model

A new model that is shorter, with the weight close to hand. Ideal for fast beats. Has a quick and snappy action. This is the favored type for after-beat work.
No. 544—New Model Slap-Stick, each \$2.00



Slap-Stick [whip-crack]



Slap Stick, made of hard rock maple. Tongs, 14½ inches long and 2 inches wide. Spring hinge. A loud and perfect imitation. Very durable. Operates with one hand, leaving the other hand free for sleigh bells or other traps.
No. 545—Price, each \$1.25

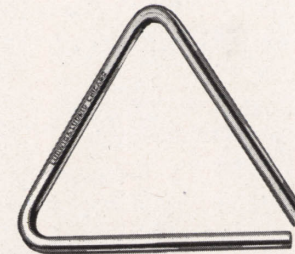
Ludwig Jingle Sticks



Something new, practical and highly efficient. Imitates tambourine effect for after-beat, regular beats and jingle effect. Double jingles are mounted on ebonized wood handles. Bumper rubber on underside to prevent marring drum.

No. 631—Jingle sticks, per pair \$0.50

Ludwig Triangles



Ludwig triangles have the required brilliance and an easy speaking quality.

A cheap triangle requires a harder blow and then you hear the "contact" of beater which is disconcerting to the director.

You will immediately realize the superior value of a Ludwig triangle at the first stroke. The discriminating performer knows that a triangle must possess a clear tone without defined pitch and speak easily. Ludwig triangles are made of a special steel having these desired properties. Beater is included.

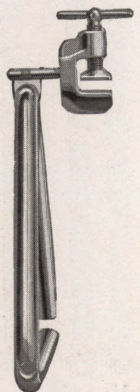
- No. 487— 6 inches, $\frac{7}{16}$ -inch diameter \$1.00
- No. 486— 8 inches, $\frac{1}{2}$ -inch diameter 1.20
- No. 485—10 inches, $\frac{1}{2}$ -inch diameter 1.30

New Ludwig Triangle Holder

A special triangle holder that clamps to counter hoop of bass drum with the triangle suspended where the drummer wants it—right before him.

Simply slip the triangle over gut loop which permits free vibration and clear, full ring of the triangle.

Ludwig triangles are made of a special steel, possess a distinct tone and ring without definite pitch.
No. 325—Triangle Holder \$0.50





Ludwig Trap Holders

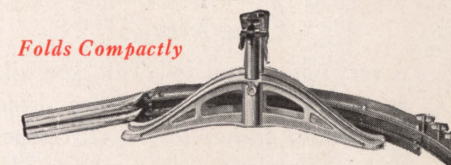
Hold All Trap Rack

A BEAUTIFUL display outfit is an asset to the drummer. The public is intrigued with the brilliant flash of a nice drum set-up. Leaders as well are more partial to drum performers who have a set of instruments that tone up the appearance of the entire orchestra. The Ludwig Hold All Trap rack permits you to display traps more effectively. It enables a compact arrangement with all your effects in immediate reach.



THE rack is made of tubular steel with aluminum bases. It is collapsible in sections and the entire outfit folds compactly to permit ease of handling for travel. Adjustable to all practical size drums.

The large gong support and trap table are extra equipment. Traps pictured are not included.

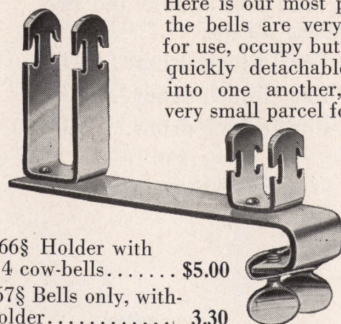


Folds Compactly

- No. 1010—Ludwig Hold-All Trap Rack (no accessories) \$25.00
- No. 1011—Gong Support 5.00
- No. 1012—Trap Table 7.50

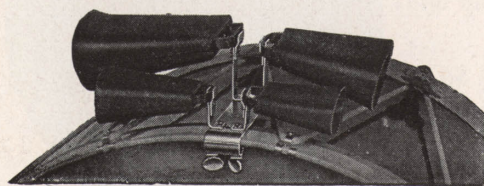
Cow-Bell Holders

Here is our most popular set; the bells are very convenient for use, occupy but little space, quickly detachable, and fold into one another, making a very small parcel for transport.



- No. 566§ Holder with set of 4 cow-bells. \$5.00
- No. 567§ Bells only, without Holder. 3.30
- No. 558 Holder only. 2.00

- No. 568§ Complete with holder. \$5.00
- No. 958—Cow Bell Holder only. 2.40
- No. 966—Additional sections to hold extra Bell or Tom-Toms.50



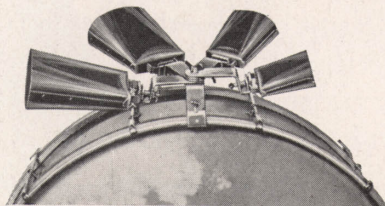
No. 566

Single Cow Bells

(Tuned)

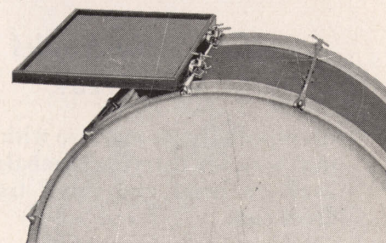
WITHOUT CLAPPER

- B25§3½" high, "C" natural. . . \$0.60
- B24§4¾" high, "G" natural. . . .70
- B23§6½" high, "E" natural. . . .80
- B21§7½" high, "C" natural. . . 1.20



No. 568

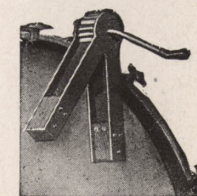
Ludwig Trap-Board



The new Ludwig Trap-Board saves you a lot of fuss and annoyance due to traps and sticks falling or being out of reach when you need them. Made of 5-ply wood that will not warp and has an edge of moulding around the board. Finished in natural mahogany. It is adjustable to practically any size Bass Drum and has a padded felt support that rests on shell. The clamps are fastened to the rods of Bass Drum.

- No. 1013—Ludwig Trap-Board. \$5.00

Double Rattle with Crank



For vaudeville, burlesque or picture house work, this trap is one you must have. It is made of pressed steel and rock maple with four wooden tongues working independently and striking at different intervals.

- No. 475§. \$2.50



Drum Cases



Double Compartment Suit Case Model

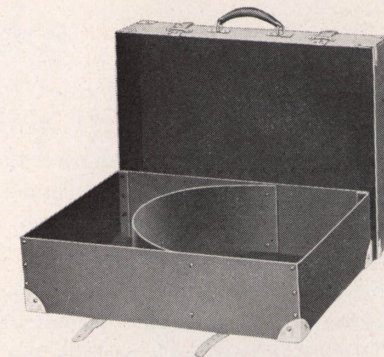
A very popular model. This case will accommodate any size snare drum from 3x14 inches to 6½x15 inches and is made with two compartments for traps. Made of the very best grade fibre, strongly reinforced with wood frame, special lock and clasps. No. 277§—Case as illustrated. **\$11.00**

Case for Super-Ludwig Drum

A special case for the carrying of the Super-Ludwig snare drum. Made of very best grade fibre, reinforced with plywood frame, with special locks and clasps.

Will accommodate any size Super-Ludwig from 4"x14" to 6½"x15". Has an adjustable strap and protector flap for head. Two side compartments for traps.

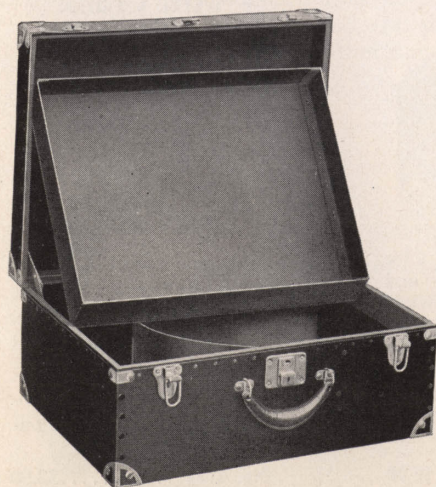
No. 284§—Case for Super-Ludwig.....**\$13.50**



Original Carry-All Telescope Case

A favorite and highly popular type that holds a large amount of traps. Made of best grade fibre, strongly reinforced with metal corners. Equipped with strong carrying handle and two genuine leather straps.

No. 278§—For 14-inch drum.. **\$9.00**
 No. 279§—For 15-inch drum.. **9.00**
 No. 280§—For 16-inch drum.. **9.00**



Suit Case Model With Tray

An especially strong case with a 2½-inch tray for carrying cymbals, extra head on hoop and small traps, or dress suit.

Made with strong wooden frame, fibre covered. Has special lock and clasps, metal corner reinforcements. A very light yet sturdy model.

No. 303§—For 14" and 15" diameters and up to 5" shell depth drums..... **\$16.00**

No. 304§—for 14" and 15" diameter drums and 6½" shell depth. **\$16.00**

Round Drum Case

A round model that stands on end and cannot roll away. Made of best quality fibre with genuine leather binding strip. Has leather buckle strap and handle.

No. 288§—For 14-inch drum.. **\$6.00**
 No. 289§—For 15-inch drum.. **6.00**
 No. 290§—For 16-inch drum.. **6.00**





Mackintosh Drum Covers

For Bass Drums

LUDWIG bass drum covers are made of the heaviest weave mackintosh cloth. We use only the best and strongest grade of cloth. Cheaper covers are usually made of "flimsy" or light weight covers and will not wear as long nor give the rain and moisture proof service.

They fasten with snap-buttons that make it easy to enclose or remove the bass drum. Covers are well sewed and reinforced at the seams. Buttons always bear the Ludwig trade-mark as shown.



Look for the Trade-marked Button on the Genuine

Always Specify Size of Drum Shell Only

(not over-all dimensions)

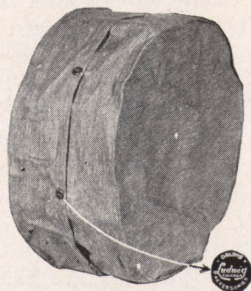
No. 808—8x24" Mac.....	\$ 5.00
No. 809—12x24" Mac.....	5.50
No. 810—14x24" Mac.....	5.50
No. 811—12x26" Mac.....	6.00
No. 812—14x26" Mac.....	6.50
No. 813—16x26" Mac.....	6.50
No. 814—12x28" Mac.....	6.50
No. 815—14x28" Mac.....	6.50
No. 816—16x28" Mac.....	7.00
No. 817—12x30" Mac.....	7.00
No. 818—14x30" Mac.....	7.00
No. 819—16x30" Mac.....	8.00
No. 820—18x30" Mac.....	8.00
No. 821—12x32" Mac.....	8.00
No. 822—14x32" Mac.....	8.00
No. 823—16x32" Mac.....	8.00
No. 824—18x32" Mac.....	9.00
No. 825—12x34" Mac.....	9.00
No. 826—14x34" Mac.....	9.00
No. 827—16x34" Mac.....	9.00
No. 828—18x34" Mac.....	10.00
No. 829—14x36" Mac.....	10.00
No. 830—16x36" Mac.....	10.00

For Snare Drums

Made of finest grade, heavy mackintosh cloth that is absolutely waterproof. Carrying handle of same material and fasten with snap buttons.

Specify shell size of drum always

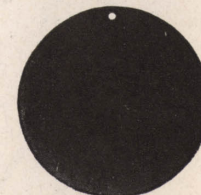
No. 831—For 3x14" Snare Drum.....	\$2.50
No. 832—For 3x15" Snare Drum.....	2.50
No. 833—For 4x14" Snare Drum.....	2.50
No. 834—For 4x15" Snare Drum.....	2.50
No. 835—For 5x14" Snare Drum.....	2.50
No. 836—For 5x15" Snare Drum.....	2.50



No. 837—For 6½x14" Snare Drum..	\$2.50
No. 838—For 6½x15" Snare Drum..	2.50
No. 839—For 12 x15" Snare Drum..	3.50
No. 840—For 10 x16" Snare Drum...	3.50
No. 841—For 12 x16" Snare Drum..	3.50
No. 843—For 12 x17" Snare Drum....	3.50

Fibre Disk Head Protector

A "Safety First" item that protects drum heads and Tympani heads from traps, damage in transit, etc. Made of heavy fibre.



No. 354\$14"	\$0.75	No. 357\$25"	\$1.50
No. 355\$15" ....	.75	No. 358\$28"	2.00
No. 356\$16" ....	.75	No. 359\$30"	2.50



Drum Stands

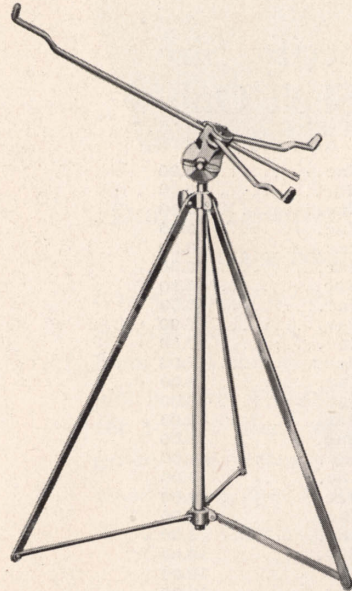
Professional Folding Model

THIS is the strongest and sturdiest drum stand made. It is built to withstand heavy wear and to hold rigidly.

You need a strong and durable stand for professional work in the theatre pit, concert stage or band shell. The Ludwig stand was made especially for the heavier professional all-metal shell and wood-shell drums. The ordinary lightweight stand will not carry the load of a heavy snare drum without shake or wobble.

Adjustable to any angle and for any size drum. Highly plated and polished.

No. 331*. Ludwig Professional Model Folding Drum Stand..... \$4.00



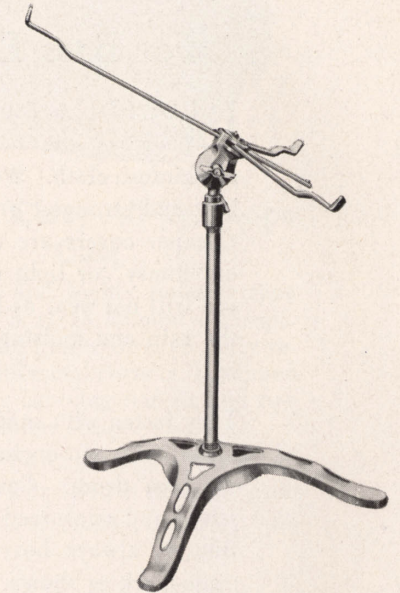
Professional Theatre Model

ASOLID support for any snare drum in the theatre, for concert, band, and symphony work. The base is made of steel and tapped to receive threaded steel tube. This is the ideal stand for permanent work. The stand for permanent location. While it is termed our "Theatre" model yet it is used by many professional drummers who have a permanent set-up on the stage, or shell of dance-hall and cafe.

This is the drum stand that the "Stars" of the profession invariably endorse.

No. 332*. Ludwig Professional Theatre Model Drum Stand..... \$5.00

No. 332½*. Same with extra heavy base..... \$6.00

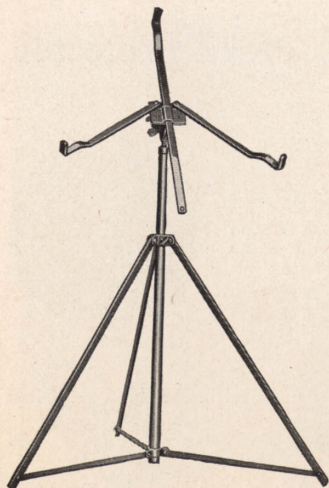


Ludwig Junior Drum Stand

A smaller and more economical model that is adjustable and folds compactly. A substantial and practical stand that is moderately priced.

The "Junior" stand is adaptable for the smaller Home and School orchestra. Light in weight, folds compactly and takes up but little room in your drum case when "knocked down."

No. 334*. Ludwig Junior Drum Stand \$2.50

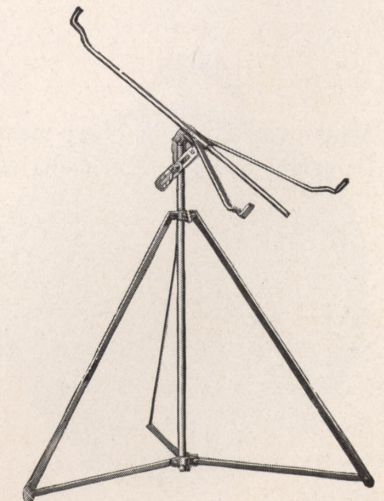


Ludwig Juvenile Drum Stand

The Juvenile stand was designed for use with the popular small trap-drum outfits. It is light—yet strong and a good practical stand for the smaller size snare drums.

The youngster does not require the heavy and solid stand of the professional for his smaller and lighter snare drum. This stand will serve admirably for a Juvenile trap-drum combination.

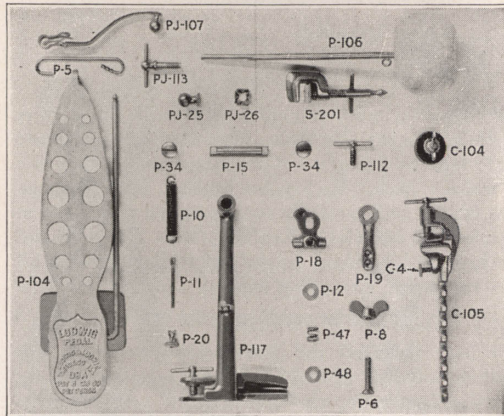
No. 330*. Ludwig Juvenile Drum Stand \$2.00





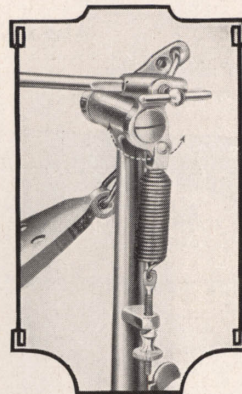
Repair Parts

Ludwig "Original" Pedal Parts



1 (P-104) ..	\$2.50	(P-15)	\$0.30
5 (P-5) .....	.10	(P-18) .....	.40
6 (P-6) .....	.10	(P-19) .....	.30
8 (P-8) .....	.10	(P-34) .....	.10
11 (P-11) .....	.10	(P-47) .....	.10
(P-20) .....	.20	(P-48) .....	.10
(C-104) .....	.30	(P-112) .....	.20
(C-203) .....	.75	(P-117)	4.00
(P-10) .....	.20	(PJ-15) .....	.20

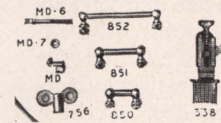
New Pedal Clevis and Spring



No. P-523§

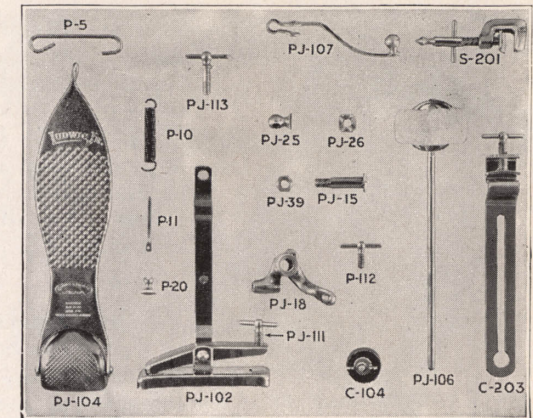
New spring clevis mounting and spring. Complete assembly that eliminates all spring breakage.... \$1.00

All-Metal Drum Repair Parts



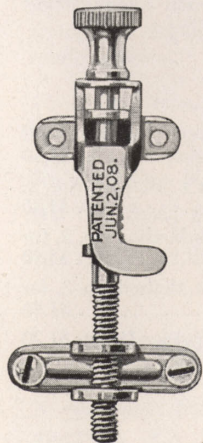
No. 850—Lug for 4" drum, each.....	\$0.60
No. 851—Lug for 5" drum, each.....	.60
No. 852—Lug for 6½" drum, each.....	.60
No. MD-6—Collar screw.....	.20
No. MD-7—Collar screw washer.....	.05
No. MD-2—Drum hook.....	.20
No. 756—Ludwig Drum key.....	.20
No. 338§—Ludwig "Professional" model snare strainer	\$4.50
No. 847—Complete assembly of rod, lug, screw, hooks and washers for 4" drum..	1.25
No. 848—Same as above for 5" drum....	1.25
No. 849—Same assembly for 6½" drum..	1.25

Ludwig "Junior" Pedal Parts



12 (P-12) ...	\$0.05	(PJ-102)	\$2.00
13 (P-106) ..	2.25	(PJ-104)	2.00
19 (C-4) .....	.10	(PJ-106)	1.75
21 (C-105) ..	1.00	(PJ-107) .....	.40
(PJ-18) .....	.60	(P-523)	1.00
(PJ-25) .....	.40	(PJ-113) .....	.20
(PJ-26) .....	.10	(S-201) .....	.40
(PJ-39) .....	.10		

Throw Off Strainer



No. 341

The Ludwig Tango Muffler is a very simple and at the same time a very effective strainer. The main feature is the spring lever action making this a very quick acting and a positive snare release. They must go down by force of the compression spring.

The strainer is designed for use on the counter hoop only. In ordering be sure to state size of your drum (give depth of shell only).

No. 341A—For 3" shell.....	\$1.00
No. 341B—For 4" shell.....	1.00
No. 341C—For 5" shell.....	1.00

Will Fit Snare Drum Only



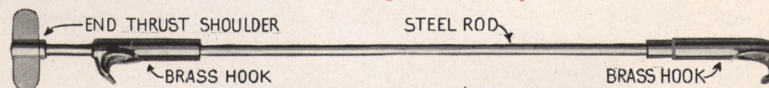
No. 373—For 3" shell.....	\$0.45	No. 375—For 5" shell.....	\$0.45
No. 374—For 4" shell.....	.45	No. 376—For 6" shell.....	.45

Ludwig Thumb-rods are the strongest rods made. They will hold and tension evenly, thread easily and do not strip.

When ordering, state size of snare drum shell, as we make the necessary allowance for counter-hoop.

Ludwig Thumb Rods for Bass Drum

For Ludwig Drums Only



All Parts Heavily Nicked

No. 378—For 8" shell, each.....	\$0.50	No. 363—For 14" shell, each.....	\$0.50
No. 361—For 10" shell, each.....	.50	No. 364—For 16" shell, each.....	.50
No. 362—For 12" shell, each.....	.50		
No. 398—Ludwig center-support stud for above rods (fit Ludwig Drums only), each.....	.15		

Ludwig bass drum rods are 3/32" steel rod. It is practically impossible to "pull" the thumb screw or strip threads on Ludwig rods. The highest grade bass drum rod made.

State size of shell when ordering, as we will make necessary allowance for over-all dimensions.



Drum Instructors

Standard Drum Major Manual



This new work contains all the instructions and duties of the Band in review, parade and various functions, together with photographic illustrations of the positions and commands for the Drum Major. It is a complete treatise on this important part of band performance. Written by Major Geo. Malstrom, veteran of three wars, drummer and drum major with America's largest band.

The Standard Guide

Used as a standard instruction course and guide by U. S. Army School of Music, Fraternal Bands, College Bands, American Legion Bands and Drum Corps.

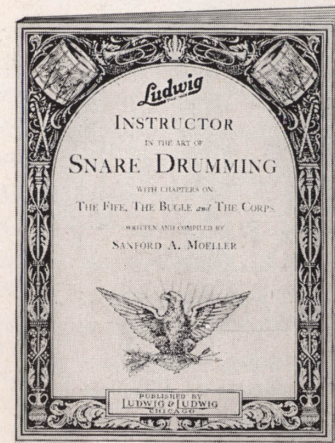
No. 695 \$1.00

The Art of Snare Drumming

Written and Compiled by S. A. Moeller

Also a Complete Drum Corps Instructor

*Published by
Ludwig & Ludwig*



An elaborate and voluminous work embracing every phase of the art. It is complete in every detail and is as near to being a self-instructor as it is possible to make a book. Each point is taken up in progressive fashion and carefully explained and illustrated in simple understandable English. It is complete and teaches the "Standard School" of drumming with all the rudiments, including chapters of the fife, the bugle and the corps.

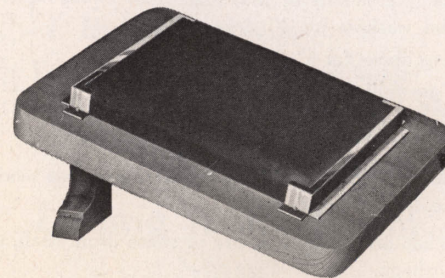
The book describes the beats, strokes and rolls, including positions of hand and body together with instruction for developing "hand-to-hand" ambidexterity. It will develop stick control, grace and the correct technique.

The Ludwig Art of Snare Drumming is what you drummers and teachers have been looking for. A book that should be in the hands of music students, band and orchestra leaders, drum instructors and the drummer.

No. 697—Ludwig Art of Snare Drumming \$3.50

Ludwig Practice Pad

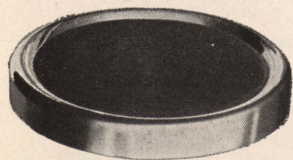
The Ludwig Teachers' Practice Pad is made of pure gum rubber, securely mounted on wood block and set at the proper angle. It has the desired drum action and does not creep or wobble when played upon. Used and endorsed by Champion Frank Fancher and many other prominent drum instructors.



It is silent to the extent that it will never annoy or be heard outside of your room. Yet each beat is distinct and audible to the player. Setting the pad at an angle prepares you for the drum and in addition helps you to develop a "high" left hand.

No. 755—Ludwig Practice Pad \$3.50

Silent Drum [Practice Pad]



Practice silently with the practice pad which gives the proper rebound but eliminates all noise. Has a nickel plated outside hoop over solid felt center on hard wood base.

No. 730—Ludwig Practice Pad \$1.25

Drum and Tympani Methods

No. 724†—Carl Gardner's Method No. 1, for Drums, Cymbals and Accessories..... \$2.00

No. 725†—Carl Gardner's Method No. 2, for Bells, Xylophones, Marimba and Chimes..... \$2.00

No. 726†—Carl Gardner's Method No. 3, for Tympani..... \$2.00

No. 727†—Carl Gardner's Method, all branches of drumming complete..... \$5.00

No. 735†—Harry Bower's Method, all branches of drumming complete..... \$3.50

No. 736†—Harry Bower's Method No. 1, for Drums and Traps..... \$1.50

No. 737†—Harry Bower's Method No. 2, for Bells and Traps..... \$1.50

No. 738†—Harry Bower's Method No. 3, for Tympani..... \$1.50

No. 739†—Imperial Method for Drums \$1.20

Fife, Bugle and Drum Corps Methods

No. 00F†—Yankee Doodle Fife Instructor..... \$0.75

No. 00D†—Yankee Doodle Drum Instructor..... .75

No. 00B†—Yankee Doodle Bugle Instructor..... .75



Band and Corps Equipment

Khaki Webbing Slings



No. 721

The Ludwig snare drum sling is made up of stout, broad khaki webbing that will not cut your shoulders, nickel-plated trimmings, with a swivel snap.

No. 720..... \$1.20

The Ludwig bass drum sling is made of khaki webbing and is made to cross on the back. The top hooks to the center of the drum. The two bottom hooks fasten to the two hoops of the drum, which prevents the drum from tilting.

No. 721..... \$1.50



No. 720

Leather Drum Slings

These Slings are made of fancy TAN leather 1½" wide, strong and durable with plated metal buckles and sewed reinforcements.

The Snare Drum Slings can be used with or without waist belt.

No. 716§ Bass drum sling.....\$2.50

No. 717§ Snare drum sling complete..... 3.00

No. 718§ Snare drum sling without waist belt..... 2.00

For All-Metal Drums

A convenient body strap. Holds the drum firmly while marching. You have wished for a carrying strap of this kind many times. Here is a strong strap made of leather that will reduce your worries on that next march.

No. 740§ \$2.00



No. 742

Ludwig Music Holder

Light in weight, simple and easy to wear and serves a practical purpose. All you do is to merely insert the breast fixture inside coat and then button the uniform.

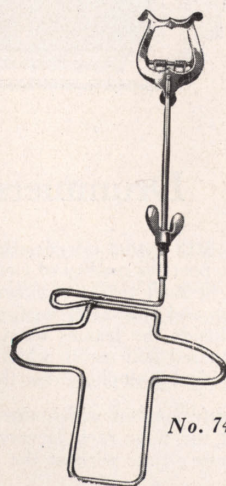
Music holder slides into breastplate tube and is securely locked with a turn of the wing-screw.

Holder for bass drum is of aluminum and slips over the rods (or rope) of bass drum.

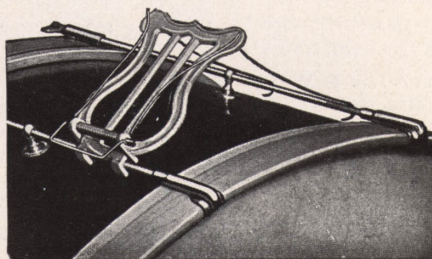
No. 742—Holder for snare drummers.....\$2.00

No. 742—Holder for Piccolo players..... 2.00

No. 743—Holder for Bass Drum 2.00

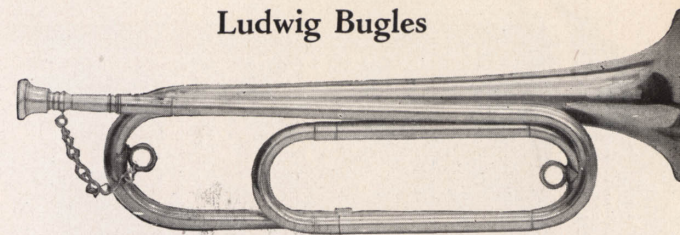


No. 742



No. 743

Ludwig Bugles



The genuine regulation model. A superior bugle that is made in accordance with government specifications and is ideally suited to all forms of drum corps, military bands and general work. Has easy slide action; mouthpiece with chain, key of "G," slide to "F"

No. 228§ Ludwig Regulation Bugle..... \$5.50

No. 714§ Bugle cord, blue, heavy wool... 2.50

No. 715§ Bugle cord, red, heavy wool.... 2.50

Ludwig Professional Bugle

A special professional model for the exacting player. Easy blowing and true in tone. This bugle meets the special requirements of the critical performer who desires the best regardless of price.

No. 229§ Ludwig Special Professional Bugle.. \$7.00

Drum Major's Batons

Ludwig Batons are supplied with heavy nickel-plated or polished brass trimmings. The bell is heavy brass of the proper size to balance just right. Special presentation batons of gold or silver with gold or silver cord trimmings can be supplied upon special order. Write for prices.

No. 535§ Ludwig 41-inch Baton with Gold Cord and Tassels..... \$25.00

No. 536§ Same Baton without Cord 18.00

No. 534§ Special Ludwig Light Weight 41-inch Baton with Red and White Cord and Tassels..... 9.00

No. 555§ Ludwig Twirling Model, 32-inch, Baton in Nickel without Cord or Tassels..... 10.00

No. 537§ Gold Baton Cord, Only, Heavy Weave..... 7.00

No. 538§ Black and White Baton Cord, Only 5.00

No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00

No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00

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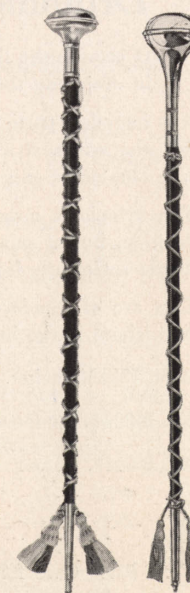
No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00

No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00

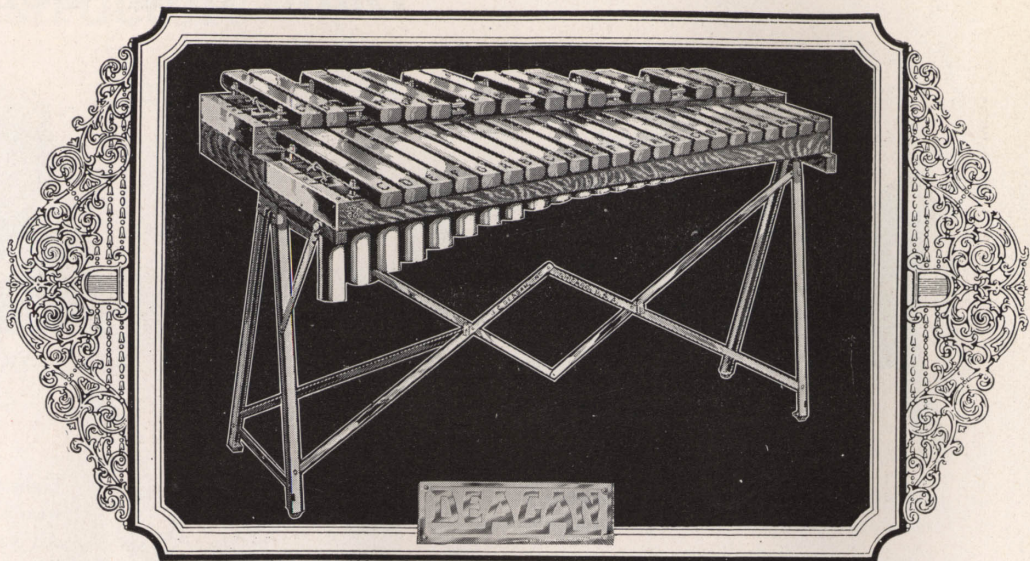
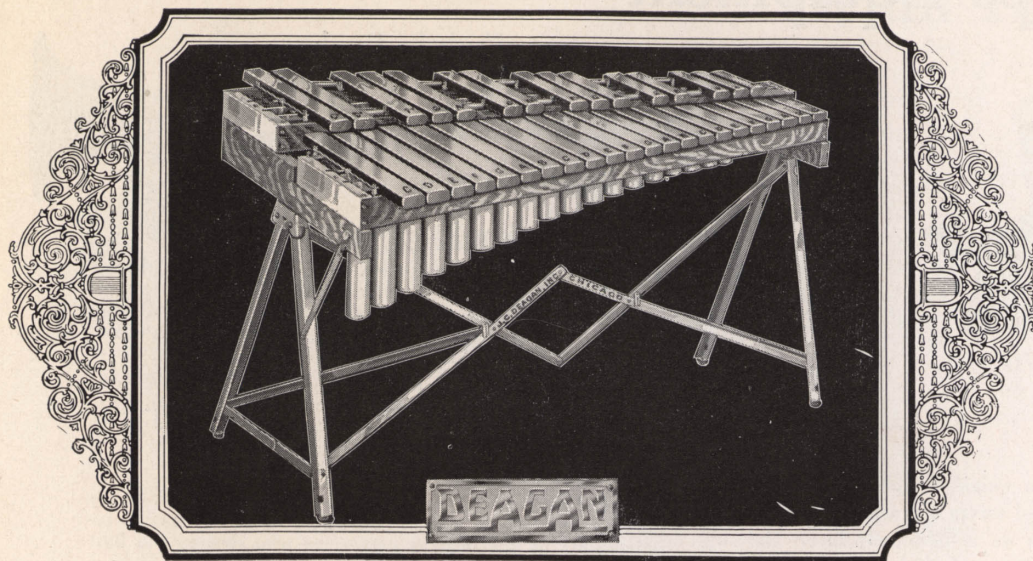
No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00

No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00

No. 539§ Red, Blue or Yellow Baton Cord, Only 5.00



No. 534 No. 535



Drummers' Lite-Wate Xylophone No. 8-834

TO provide the lightest *practical* xylophone with resonators possible to build was the aim in designing the Deagan Lite-Wate.

It is intended, particularly, for the drummer who does not specialize on xylophone exclusively, yet who wants, at a moderate price, an instrument which produces that desirable quality of tone obtainable only from a Deagan xylophone with resonators.

The xylophone measures 25 inches high over all, the proper height for playing in sitting position, but at small additional cost we can supply extension legs which will increase the height sufficiently for playing in standing position.

Bars are of standard quality Nagaed, thoroughly seasoned, and the instrument is finished throughout in the best possible manner.

Bars, 1 1/4 x 5/8 inches.

No. 8-834*. 3 Octaves, C₄₀ to C₇₀ Chromatic, 37 bars..... \$70.00

No. 8-664*. Floor rack extension legs..... 3.50

Hand Carrying Case for Deagan Lite-Wate Xylophones

No. 8-639. Case for No. 8-344 Lite-Wate Xylophone..... NET \$17.00

Drummers' Special Xylophone No. 8-844

THIS model is specially designed to promote lightness and at the same time preserve the peerless quality of Deagan Xylophone tone. Extra selected Nagaed bars, 1 1/4 inches wide by 7/8 inch thick, together with specially designed, light weight resonators (one for each bar) and special fittings, go to make up this exceptional instrument. The resonators, which fit inside the frames when the instrument is packed, are constructed of light weight, highly tempered bell metal, which results in a combination of strength and perfect resonance. An ideal Xylophone for the jobbing drummer.

The frames on which the bars and resonators are mounted are of quarter-sawed white oak and the floor rack is very rigid when erected and can be set up or taken apart in but a minute's time without the use of tools.

All metal parts are highly polished and triple nickel-plated. All wood parts are hand polished.

No. 8-844*. 3 Octaves, C₄₀ to C₇₀ Chromatic, 37 bars..... \$85.00

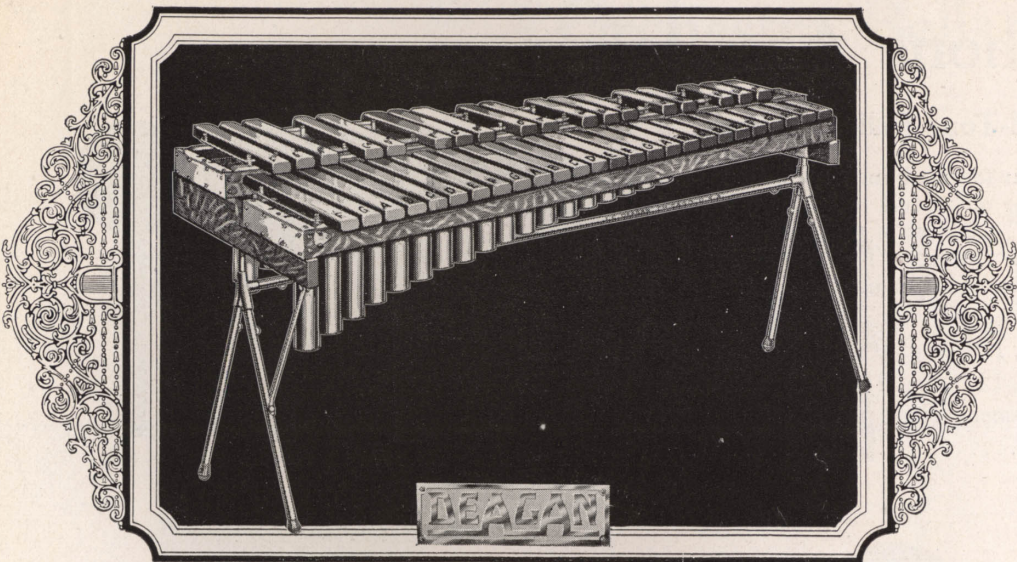
No. 8-664*. Floor rack extension legs..... 3.50

Three pairs Assorted Mallets included with each of the above instruments.
All instruments will be tuned to Low Pitch A—440 unless otherwise specified.

Hand Carrying Case for Deagan Drummers' Special Xylophones

No. 8-669. Case for 8-844 Drummers' Special Xylophone..... NET \$20.00

Course of instruction for playing free to each purchaser.



Deagan Professional Xylophone No. 8-870

THERE is a good, a better, and a best in everything. This Xylophone is the best for the professional drummer. It is large enough for solo work, small enough to transport, and just the correct size for the drummer who wants one Xylophone to fill into most any kind of work that he may be called to do. The bars are of five-year-old Nagaed wood and are mounted on oak frames over Deagan patent resonators, the whole being mounted on Deagan All-Steel Floor Rack.

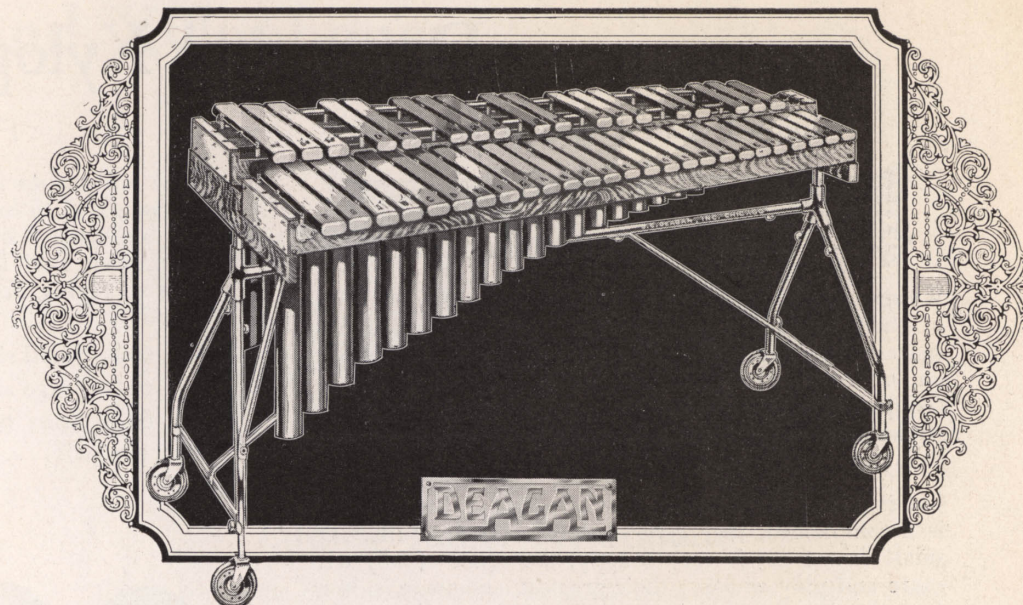
Ninety per cent of the Xylophones with resonators in use today are Deagan Professional instruments.

Bars $1\frac{5}{8} \times \frac{5}{16}$ inch

No. 8-870* $3\frac{1}{2}$ Octaves, F to C Chromatic, 44 Bars.....\$125
 No. 8-872*4 Octaves, C to C Chromatic, 49 Bars..... 150

Four to six pairs Assorted Mallets included with each of the above instruments.

All Deagan instruments tuned to Universal Low Pitch A-440.



With Wheel Rack

Deagan Marimba No. 8-352D

THE Marimba Xylophone developed and perfected by J. C. Deagan is classed as the Song Bells of the Xylophone Family.

Here is an instrument that will "make" a dance orchestra. Easy to master by anyone who can play orchestra bells or read a piano keyboard, the Deagan Marimba will keep your jobbing order book "full up" all the time.

"Marimba Waltzes," when played for dancing, create an instant sensation. The lower tones of the instrument are ideal for that "dreamy first strain" effect so often encountered in waltzes, while the upper register is perfectly suited for the brighter movement usually found in the second strain.

The Deagan Marimba is made up of select Nagaed bars mounted on special wear-resisting cord suspended by nicked posts between the bars. Adjustable resonators of Deagan patent construction, permitting of easy tuning to meet extreme climatic conditions, are a part of the equipment. Frames are of quarter-sawed oak, and rubbed and are mounted on the famous Deagan floor rack.

No. 8-352 * $3\frac{1}{2}$ Octaves, F21 to C64 Chromatic, 44 Bars (plain floor rack) \$150
 No. 8-352D* $3\frac{1}{2}$ Octaves, F21 to C64 Chromatic, 44 Bars (De Luxe wheel rack) . 185

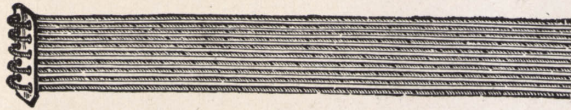
Four pairs Mallets included with each of the above instruments. All instruments will be tuned to Low Pitch A-440 unless otherwise specified.

Course of instructions for playing free to each purchaser



Drum and Xylophone Accessories

Ludwig Gut Drum Snares



We recommend gut snares for professional use on account of their versatility. All wire, silk-wire or waterproof snares give good results in a limited way, most commonly on small drums in small orchestras. Gut snares possess the quality of giving a snap and distinctive beat to the stroke from the most sensitive taps to the heaviest forced roll.

Gut require careful setting and adjustment, but once this is accomplished, they give by far the best results. On small drums gut is very snappy, the equal of any wire snare and play as easy; their greatest advantage is, however, that it is possible to play an even crescendo smoothly and up to a great fortissimo without the snares leaving the head (as wire will) and causing a ruffled dull tone.

Gut snares may be used for orchestra, band or street work with most satisfactory results, regardless of the size of the organization, providing, of course, that the snares are of good quality and properly adjusted.

Made in two sizes for orchestra and band use.

To set gut snares, moisten before putting on drum, then allow to dry before final clamping in snare strainer.

- No. 701—Set of 12 snares on butt, orchestra size... \$1.50
- No. 707—Set of 12 snares on butt, band size..... 1.80

Ludwig Silk-Wire Snares

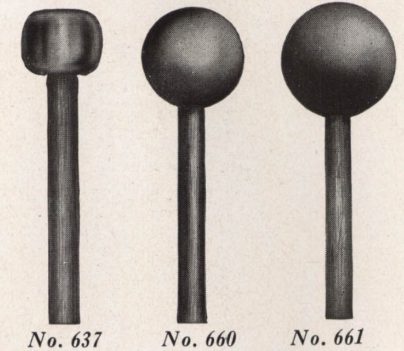
Made of pure silk core, wound carefully with a non-rusting and non-corroding wire. They are easy to set and will not cut head.

- No. 702 —Extra fine quality silk-wire snares, set of 12, for orchestra drum..... \$1.00
 - No. 702½—Red silk-wire snares with butt, set of 12, for street drum..... 1.00
- Highest grade made.

Full-Tone Bell Hammers

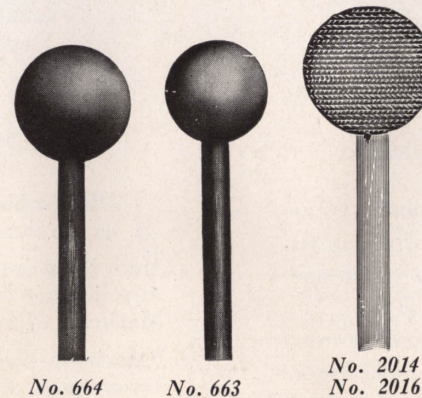
They are purposely made medium hard by our own process and are weighted to bring out a full tone. You will get away from that annoying "click" peculiar to the usual hard hammers if you use Ludwig Full Tone hammers. They will bring out the full bell tone so highly desired and yet have no audible hammer stroke sound.

- No. 660—Small size, 12" long, 1" ball, pair..... \$0.50
- No. 661—Large size, 12" long, 1½" ball, pair..... .60
- No. 637—Brass hammers, small size, 12" long, ½" dia. hammer, per pair..... .50



Xylophone and Marimba Hammers

The xylophone hammers are made of hard vulcanized rubber, polished. Ideal for brilliant tone. Best grade flexible rattan handles.

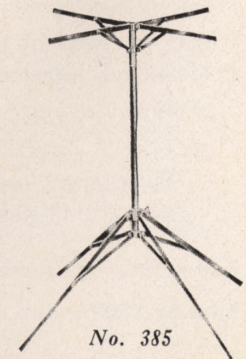


- No. 663—Small size, 13" long, ball 1" dia., pair..... \$0.60
- No. 664—Large size, 13" long, ball 1½" dia., pair..... .80
- No. 665—Practice mallets, 12½" long, 1" dia., semi-hard rubber ball, pair..... .50
- No. 666—Large size practice mallets, 12½" long, 1½" diameter, semi-hard rubber ball, pair..... .60
- Marimba Hammers (Ideal for Oriental Temple Blocks and Cow-Bells).
- No. 2014*Hard wound Xylophone and Marimba mallets, small size beater, 1" diameter, 12½" long, per pair..... \$0.85
- No. 2016*Soft wound yarn Xylophone and Marimba mallets, large size, beater, 1¼" diameter, handles and ball over all 12½" long, pair..... \$1.25

Ludwig Bell Stand

A strong adjustable folding model Bell stand. Adjustable from 17 inches to 25 inches. Folds compactly like music stand to 14½ inches in length. Highly plated and polished.

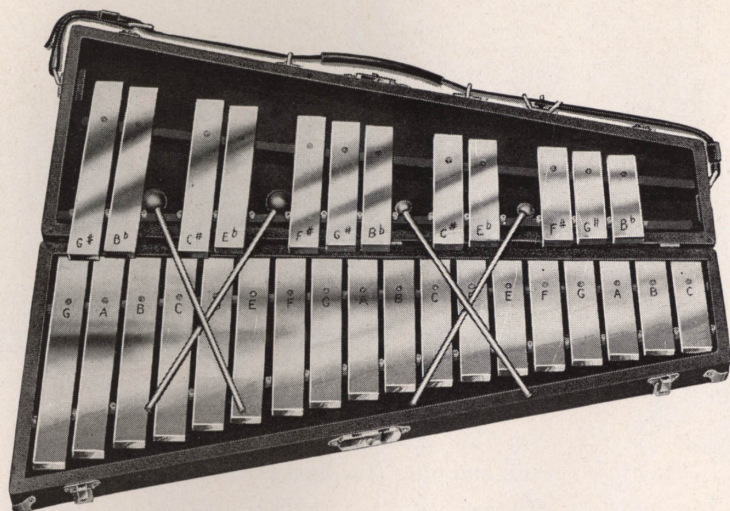
- No. 385* Ludwig Folding Bell stand..... \$5.00



No. 385



Orchestra Bells and Xylophones



Ludwig Orchestra Model Bells

THE finest bells that money can buy. We say that without fear of contradiction or denial. Ludwig Bell steel produces a clear sustained tone without waver or overtones; vibrations are even—not harsh, yet penetrating and possessing exceptional carrying power.

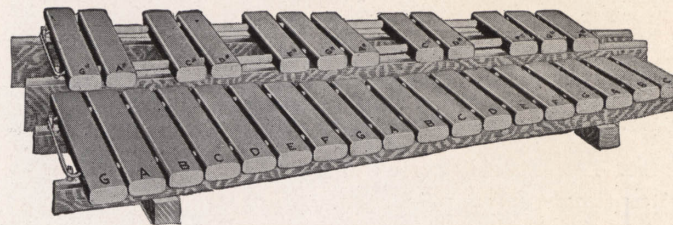
Special selected and tested steel is used for Ludwig Bells. It is close grained and unusually hard. This quality of steel takes nickeling and a high polish. The usual run of bells that are made to low price standards will never give complete satisfaction and prove detrimental to your playing ability. Here are five principal features of Ludwig Bells:

1. Finest grade special alloy steel.
2. Correct width bars.
3. Rich and pure tone quality.
4. Heavy nickel plate over copper.
5. Convenient fabricated carrying case.

No. 381*. 30 bars (2½ Octave), G to C chromatic, bars are 1¼" wide x 1⅝", low pitch, with case..... \$40.00
(Mallets included)

Special Bells

No. 384*. Ludwig Special Model Bells, 2½ Octave, 30 bars, G to C chromatic, low pitch (Universal A-440) case included..... \$27.50



Ludwig Junior Xylophone

YES—it was made for the beginner. We made them smaller, but we made them good. There is nothing cheap in their construction. They are plenty good enough even “for professionals.” Made of Nagaed wood; mounted on collapsible frames.

Bars 1¼x5⁄8 inches

No. 8-800*. 2½ Octaves, G to C Chromatic, 30 Bars..... \$15.00
No. 8-801*. 3 Octaves, C to C Chromatic, 37 Bars..... 18.00

One pair of mallets included with each of the above instruments. All instruments are tuned to low pitch A-440.

Course of instruction for playing free to each purchaser.

No. 8-617. Carrying Case for No. 800 Xylo..... Net \$10.00
No. 8-618. Carrying Case for No. 801 Xylo..... Net 10.00
No. 8-573*. Floor Rack for No. 800 Xylo..... 3.75
No. 8-574*. Floor Rack for No. 801 Xylo..... 3.75



Traps and Accessories Not Displayed

No. 351 Ludwig (wooden) bass drum stand, folding model.....	\$4.50
No. 420 Cymbal strap, each....	.50
No. 494 Ludwig horse trot imitator (hoofs only), pair.....	1.00
No. 495 Shot Cushion with slappers	3.00
No. 541 Lion Roar	3.00
No. 550 Ludwig Dog Bark.....	1.00
No. 551 Comb. Cowbells and Wood Block Holder.....	2.00
No. 552 Telegraph Imitation ..	.30
No. 554§ Ludwig Bell Imitation.	.90
No. 708 Metal bound ears for field drums, each.....	.15



Max H. Manne of the Rivoli Theatre, N. Y., displays over \$1,500.00 worth of "effect" apparatus. This picture taken (about five years ago) when trap-effects by the theatre drummer was probably the most important feature of the orchestra. To render a realistic imitation is quite an art. Drummers who are proficient in this branch of the business are in great demand by both public and directors.

No. 709 Metal bound ears for bass drums, each.....	\$0.15
No. 710 Roller hooks for field and bass drums, each.....	.15
No. 731* Heater Elements	4.20
No. 732* Electric Heater, with cord and plug (for Snare Drum) .	6.00
No. 733* Electric heater, with cord and plug (for Bass Drum) ...	6.00
No. 746 Cymbal pad for hand cymbals, each.....	.40
No. 750§ Hand cymbal holder, with hand strap, wooden handle, lock-nut and felt cushion, each...	.60
No. 751§ Wire cymbal beater, wood handle.....	.60

Your Local Dealer

Ludwig Drums and Accessories are sold by your local dealer. If he does not happen to have just what you want in stock—he can get prompt and efficient service on every item in the Ludwig line.

A good musical instrument dealer is an asset to your community. He takes an active part in the musical affairs of your vicinity, sponsors good music and in general promotes the welfare of the entire Music Industry. He carries a stock, takes care of ordering for you, maintains a repair and service department, pays rents, salaries and taxes in your community.

Co-operate with your local dealer and he will gladly co-operate with you.



Counter and Flesh Hoops

We supply Ludwig flesh and counter hoops to our customers merely as an accommodation for repairs. Packing and shipping costs exceed the sales price and we cannot accept returns of these items if you do not order correctly. Ludwig hoops cannot be guaranteed to fit other makes of drums. Use extreme care in taking measurements and give exact specifications. They are not returnable for credit.



View of the Chicago Union Stockyards

The Raw Skin Determines the Quality of the Finished Product

CHICAGO is the world's largest market for raw animal skins. It is the center, the hub of the hide market for fresh calfskins. The largest meat packing plants in the world are located here where all the packers maintain central storage cellars for hides gathered from their plants throughout the United States.

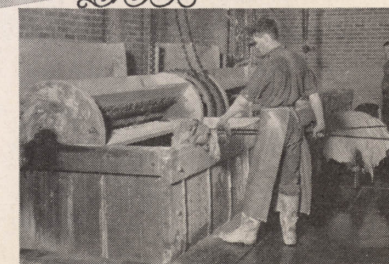
This enormous production of skins permits Ludwig & Ludwig to select from huge stocks only such material that is adaptable for drum and banjo heads. We have the choice of the "cream" of the market and pay a premium for the fresh, selected and graded stock. Ludwig inspectors are on the spot to select and check, and we make DAILY purchases and DAILY delivery to our own head plant located but a few miles from the source—The Union Stockyards.

Skins used for drum and banjo heads are selected for our particular purpose. The ordinary run of calfskins used in tanning leather are not the same grade as we

use for our instruments. The natural process used for making our heads shows up every tiny defect that cannot be hidden as in that of tanning leather where dyes, coloring and finishes cover up the surface.

This location, then, is ideal for us. The quality of the skin is what determines the quality of the finished head. The best heads come from the best skins and this is why the selection of raw material is so important. Skins never run absolutely uniform and the kind that is used for making the best grade of heads must be graded for weight, evenness and freedom from blemishes. It is this fortunate location that has enabled Ludwig & Ludwig to build up an enormous trade in Ludwig branded and standard quality heads. Ludwig & Ludwig operate two complete head plants—one for drum and the other for banjos.

Standardize on the standard. Look for the name Ludwig on all the heads you buy. The genuine is ALWAYS trade-marked.



Some Scenes in the Ludwig Head Plants—the Largest Drum and Banjo Head Plants in the World.



The Finest Professional Quality Heads

For Banjo *William F. Ludwig* For Drum
TRADE MARK
SELECTED

*The Genuine Has This Signature
Stamped on the Drum Head*

For the Professional Banjoist

Wm. F. Ludwig
TRADE MARK
SELECTED

WM. F. LUDWIG SELECTED brand of banjo heads are made by us in our own banjo head plant (we make all our own heads) and processed especially for banjo use. This is the type of head used on all our own banjos and placed on instruments retailing from \$95.00 to \$1,000.00. The Wm. F. Ludwig SELECTED brand is made of the very choicest quality of prime and fresh calf that we are able to buy. The skins are then re-graded by us and only the SELECTED calf skins are used to make this special brand.

Banjo Heads

No. 3894—12" for 9" banjo.....	\$2.00
No. 3895—13" for 10" banjo.....	2.25
No. 3896—14" for 11" banjo.....	2.50
No. 3897—15" for 12" banjo.....	2.75
No. 3898—16" for 13" banjo.....	3.00

Banjo Heads on Hoop for Ludwig Banjos

We can furnish Wm. F. Ludwig "SELECTED" banjo heads tucked on hoop for Ludwig Banjos only. Cannot supply them for any other make of banjos.

Head prices are subject to change without notice. Owing to fluctuations in cost of raw skins we cannot guarantee nor stabilize prices. See your local dealer for latest prices.

For the Professional Drummer

Wm. F. Ludwig
TRADE MARK
SELECTED

THE professional drummer is very critical about heads and you know the Ludwig reputation for catering to the exacting wants of the professional performer. The Wm. F. Ludwig SELECTED brand is supreme for snare drum batter heads and for the highest quality bass drum requirements. The process for drum heads is DIFFERENT than that of the banjo heads and they require a different treatment to make the drum head more malleable and adaptable to the touch and stroke of the sticks. ALWAYS get the genuine. It is always marked and the stamp of the brand is on EACH head. Look for the name and INSIST on getting the GENUINE.

For Snare Drum—Batter Side Only

No. 3909. 17" for 13" drum.....	\$2.70	No. 3912. 20" for 16" drum.....	\$3.30
No. 3910. 18" for 14" drum.....	2.90	No. 3913. 21" for 17" drum.....	3.50
No. 3911. 19" for 15" drum.....	3.10	No. 3914. 22" for 18" drum.....	3.70

(Above are for batter side only)

Bass Drum Heads

No. 3607. 28" for 24" drum.....	\$6.00	No. 3611. 36" for 32" drum.....	\$10.00
No. 3608. 30" for 26" drum.....	7.00	No. 3612. 38" for 34" drum.....	11.50
No. 3609. 32" for 28" drum.....	8.00	No. 3613. 40" for 36" drum.....	13.00
No. 3610. 34" for 30" drum.....	9.00		

Drum Heads on Hoop for Ludwig Drums

Any size snare drum, batter or snare side head tucked on hoop. Fit Ludwig drums only.

No. 640. Flesh Hoop only, each.....	\$0.40
No. 650. Charge for Tucking.....	.50



Ludwig Whitecalf Heads



Trade-Mark—Ludwig Whitecalf

LUDWIG WHITECALF heads are made of selected light calfskins, cured without chemicals and hand shaven to an even thickness. This class of skins come from an animal considerably older than that of which the transparent variety is derived and are therefore heavier and more durable.

For Batter Heads Only

	Price
No. 909. 17" for 13" drum.....	\$2.30
No. 910. 18" for 14" drum.....	2.50
No. 911. 19" for 15" drum.....	2.70
No. 912. 20" for 16" drum.....	2.90
No. 913. 21" for 17" drum.....	3.10
No. 914. 22" for 18" drum.....	3.30

Bass Drum

	Price
No. 607. 28" for 24" drum.....	\$5.20
No. 608. 30" for 26" drum.....	6.00
No. 609. 32" for 28" drum.....	7.00
No. 610. 34" for 30" drum.....	8.00
No. 611. 36" for 32" drum.....	9.00
No. 612. 38" for 34" drum.....	10.50
No. 613. 40" for 36" drum.....	12.00

Banjo Heads

We do not furnish these banjo heads, on hoop.

	Price
No. 894. 12" for 9" banjo.....	\$1.00
No. 895. 13" for 10" banjo.....	1.20
No. 896. 14" for 11" banjo.....	1.40
No. 897. 15" for 12" banjo.....	1.60
No. 898. 16" for 13" banjo.....	1.80

Ludwig "Crown" Brand



Trade-Mark

Crown Head Brand

A MODERATE priced transparent head that will prove highly satisfactory for practical requirements. Our transparent Crown Brand are made from selected prime young calf. They possess a beautiful satin finish, are extremely malleable and produce a full, rich tone. Can be supplied in both weights for either batter or snare side.

For Batter Side Only

Transparent		Price
No. 899. 17" for 13" drum.....		\$2.15
No. 900. 18" for 14" drum.....		2.40
No. 901. 19" for 15" drum.....		2.65
No. 902. 20" for 16" drum.....		2.90
No. 903. 21" for 17" drum.....		3.15
No. 904. 22" for 18" drum.....		3.40

For Snare Side Only

Transparent		Price
No. 919. 17" for 13" drum.....		\$2.15
No. 920. 18" for 14" drum.....		2.40
No. 921. 19" for 15" drum.....		2.65
No. 922. 20" for 16" drum.....		2.90
No. 923. 21" for 17" drum.....		3.15
No. 924. 22" for 18" drum.....		3.40

Ludwig Tucking Tool

You will need this handy tool when relapping heads or tucking a new head.

	Price
No. 905\$. Ludwig Tucking Tool.....	\$0.30



Head prices are subject to change without notice. Owing to fluctuations in cost of raw skins we cannot guarantee nor stabilize prices. See your local dealer for latest prices.

Tympani Heads



The New Ludwig "Vellour" Tympani Heads

VELLOUR Brand tympani heads are made from strictly selected fresh calfskins, by an entirely new process. They are even in texture, perfectly smooth and malleable, yet unstretchable. We guarantee them to produce a real tympani tone and positively perform better duty in damp weather than any tympani head on the market. When you purchase a Ludwig Vellour Head you get the result of scientific knowledge applied to best material.

	Price
No. 621. 30" for 24" tympani.....	\$ 7.00
No. 622. 32" for 25" tympani.....	8.00
No. 623. 33" for 27" tympani.....	9.00
No. 624. 34" for 28" tympani.....	10.00
No. 625. 36" for 30" tympani.....	11.50

Tympani Heads Tucked on Hoop

Will Fit Ludwig Tympani Only

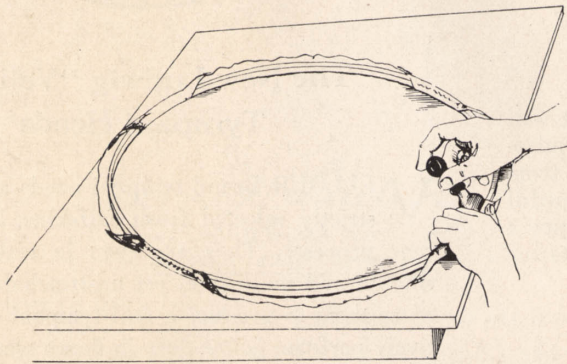
	Price
No. 651. Tucking Tympani Head.....	\$1.00
No. 642. Ludwig Tympani Flesh Hoop (state size)	2.00



Tucking of Drum Heads

FOR snare and bass drums, the heads must be four inches larger than the diameter of the shell. For tympani, the heads should be six to seven inches larger. We recommend a 32" head for a 25" tympani; a 34" head for a 28" tympani.

Make sure that you have the correct size head, then soak in water until it is soft and pliable, usually from 20 to 30 minutes. Then lay the head grain or smooth side down on a flat surface (tucking board or table); place the flesh hoop on top and in the center of the head.



Begin by first tucking under one side just enough to hold the head, then do the same thing on the opposite side and finally crosswise until the head is held in position at four points opposite each other. Then tuck under the intermediate points as even and loose as possible, though all the while the head is lying flat on the table. Then mop the water off on both sides with a towel or dry cloth.

After tucking, place the head in position on the shell, lay the shell flat so that the head will stay on without the counter hoop, and allow 24 hours to dry. This applies to snare drum, bass drum and tympani. In dry climates or in a dry room lay a newspaper over the head as a further precaution to avoid fast drying, which may cause the head to tear around the edges of the shell.

For bass drum and tympani moisten the head on both sides a second time, until it is soft, leaving the flesh hoop dry. Assemble the drum and apply tension to stretch the head the required amount, allowing another 12 hours to dry. This stretching and resoaking operation is not necessary for snare drums which should be assembled dry, in which case they are ready for use at once.

The Care of Your Drum

It is not advisable to release the tension of a snare drum after using. The most successful drummers adjust their drums when they are ready to use them and as a rule leave them alone as much as possible. This does not mean that you should hesitate to apply extra tension on a damp day, but this extra tension for safety sake should be released after using.

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Ordering Heads

AVOID mistakes. First measure the size of your shell, then allow four inches for tucking on snare and bass drums; for example, 28" shell will require a 32" head; a 14" shell will require an 18" head. Do not say "Send me a head for a 28" drum." Order the actual size of head you want, which in this case would be a 32" head. If your shell diameter is 28", your order should read, "Send me a 32" head for 28" drum."

For snare drums be sure to specify if batter or snare heads are wanted.

For tympani allow six to seven inches for tucking. A 25" tympani will require a 32" head; a 28" tympani will require a 34" head; a 30" tympani will require a 36" head.

All heads are guaranteed against defects of any kind and must be examined upon arrival. Adjustments or exchanges will be made without question, but under no circumstances can any adjustments be made after the head has been soaked in water.

Service on Drum Heads

We can supply drum heads on hoop for all Ludwig Drums and Tympani. They may reach you slightly warped or out of round; this is unavoidable because the heads contract when dry, but when moistened they will resume their original shape.

When you buy Drum Heads always look for the name or mark of the maker. Do not be satisfied with—just a drum head—as it may prove to be a poor investment.

Oil Pedal Tympani

All moving metal parts on the tympani should be oiled at regular intervals. Turn the tympani and stand upside down. Oil holes will be found in the base. This part of the mechanism should be oiled once a month. All screws and inside mechanism in the kettle should be oiled twice a season. Vaseline is the best, it will lubricate without running—oil may damage the head. Avoid so-called head restoratives. Oil or grease will damage tympani heads.

Oil Your Pedal

The Ludwig Bass Drum and Cymbal Pedal needs oiling at least twice a season.

Grease Bass and Snare Drums

A touch of vaseline twice a season will do snare drum and bass drum rods a world of good. This is necessary to prevent wearing. Avoid thin oils—they evaporate or run, and affect or damage the heads.

PRINTED IN U. S. A.

