

CATALOGUE 157 PRICE LIST 1956.

# STEMMLER ARCHERY

L. E. STEMMLER CO., MANORVILLE, LONG ISLAND, NEW YORK.



# EQUIPMENT NEEDED

# STEMMLER ARCHERY...

BY THE OLDEST ESTABLISHED MANUFACTURER OF ARCHERY TACKLE IN THE U.S. A.

### FOREWORD

Much has been written about the probable and actual history of archery. To you who are about to purchase tackle, we'd like to tell something of ourselves.

Mr. William Stemmler, father of Louis E. Stemmler, made self and backed bows for the old Staten Island Archery Club and the Brooklyn Bowmen as far back as 1875. He was a survivor of the old revival and continued to love and use the bow until his death. L. E. Stemmler inherited the skill and enthusiasm of his father and, in 1912, organized the business under his name.

His early sales of bows and arrows required explaining to sporting good stores, just what they were and how they were to be used. He had to compete with "imported" tackle and had to overcome sales resistance from store owners and buyers who could see nothing to the sport. He had also to gather together a group of people natur-



ally skilled but who learned new crafts from him. We are proud of the fact that we constitute the manufacturing group which has continued to turn out fine tackle longer than any other existent to-day.

We have made improvements in our gear and have experimented with new materials and introduced them to skeptics. We believe that our efforts to produce better equipment for less money have resulted in literally thousands of people's enjoyment of archery because they didn't have to spend a discouragingly large sum to start.

You may judge as to the excellence of our low priced archery tackle as well as the tournament and field equipment. As you look over the following pages you will find something to fit almost any pocketbook — for the enthusiastic beginner as well as for the champion. With pardonable pride we offer you the following selection because we believe in it and have seen it endure and give service for more than 40 years.

# WHAT OTHERS SAY ABOUT US

"Having found satisfaction in my purchases from you two years ago I would appreciate your latest catalogue."

"I received the bow you sent me in good condition. I sincerely appreciate your kindness and consideration in this matter. I will surely take every opportunity to tell my friends about your fairness and courtesy."

"The target face you sent me has worked out very nicely. I thank you for helping me and giving me such prompt service."

"The staves and shafts reached me safely this afternoon. I felt like a kid with a package from Santa Claus. It would be difficult to fully express my appreciation of your kindness and interest as well as for the trouble you have taken for my pleasure. I can assure you that I shall, in the enjoyment of my bows and arrows, always recall your kindness with gratitude and a feeling of indebtedness. They are indeed beautiful staves and my fingers itch to begin their finishing and to do them justice."

"I have two of your bows, one purchased in 1927, the other in 1928; both have given excellent service and compare more than favorably with bows of other makers of considerably greater price."

"It might interest you to know that our Boy Scout camp has just finished a most successful season. Never have I seen a handicraft project go over with greater success in our camp than your special bow and arrow sets have. The price per set was excellently within the reach of any boy desiring to make a set."

"Received the new bow last Saturday and it surely is a beauty. It shoots wonderful and is the snappiest outfit I've had the pleasure of using for a long time."

"I have used your archery supplies for some time and have had quite a bit of success in hunting and target work. The performance is excellent."

"Your card and my order arrived yesterday and I have to say that I could not have been more satisfied had I been in your shop in person."

"I have just received the bow I ordered from you; it arrived in very good condition. I purchased another one of your bows about a year ago and find they are superior craftsmanship as well as being at reasonable prices."

"I received the bow I ordered from you and it is the finest bow I have ever seen for its price. I have shot it almost every day since I received it."

"Those long tapered steel target pile heads are honeys. Got them last week."

One who shoots the bow and arrow is called an archer. His equipment or tackle consists of:

### THE BOW

Nine-tenths of all **moderately** priced, good wooden bows are made of **LEMONWOOD**, and, for the beginner, a Lemonwood bow is recommended; either flat or long bow type. Later, you may want a fine laminated or Osage Orange bow.

Men and grown boys take a 5'6" or 5'8" Flat Wooden Bow or a 6'0" Long Bow. Your bow should not be too strong. You should be able to pull and loose it without too much effort. Thirty-five to forty-five pounds pulling weight is sufficient. Grown girls and women take a 5'6" Flat or Long Bow with weights (pull in pounds) of twenty to thirty-five pounds. Juveniles take bows of the same height as themselves and with pulls of fifteen to twenty-five pounds.

### THE ARROW

Modestly priced arrows are recommended for beginners. Arrows are perishable and while learning, it is best to use and abuse a low priced set. After you become more proficient, better arrows are necessary. Footed tournament arrows are for the more advanced target archer. Field Archers and Hunters use Roving and Hunting arrows.

#### THE ARMGUARD

Is a heavy leather guard which covers the inside of the left wrist and protects it against friction from the bowstring. Armguards are a very essential part of an archer's tackle.

### FINGER GUARDS

These protect the fingers that pull the string—the first three—and make it possible for prolonged shooting. The constant friction of the bowstring in loosing an arrow causes soreness unless the fingers are protected by a tab or semi-glove.

#### THE OUIVER

A receptacle for carrying arrows. It is a long, narrow bag, carried at the waist or over the shoulder by a belt or strap.

### THE TARGET

Archery Targets, with the standard target face rings of gold, red, blue, black and white come in various sizes. The scoring, beginning with the gold or center counts 9, 7, 5, 3, 1. The tournament size is 48". Targets are made of long rye straw and the faces are oilcloth.

#### THE TASSEL

A woolen or worsted tassel, worn at the belt, and used to clean arrow shafts that become wet or soiled.

# "Essentials of Archery"

An archer should also be a craftsman. He ought to be able to make minor repairs to his gear. We strongly recommend that everyone intending to make Archery his hobby, learn to make his own bows, arrows and accessories. There is genuine satisfaction in making your own tackle. To see a shaft made by your own hands, speed from a bow fashioned at your own work bench, gives you a sound, honest bit of happiness.

In order to be of greater service to those who wish to make their own tackle, we have written "THE ESSENTIALS OF ARCHERY" ("How To Use and Make Bows and Arrows"). This handbook contains over 75 pages 6" x 9" of concise, practical, usable knowledge. Eight large photographs illustrate Bracing or Stringing a bow, How to Shoot and Aim. A full page cut explains "Point of Aim" shooting.

Tables of measurements of finished bows of Lemonwood, Osage Orange (Bois d'Arc), and Yew are given. Eleven full page plates show accessories and picture, step by step, making Long Bows (plain ended, horn tipped, rawhide-backed, self and joined yew and osage orange) Flat Bows, Reflexed Bows, Strings, Self and Footed Arrows. General information, a section of archery for clubs and camps, various archery rounds, tournament conduct, and a glossary of the language of the sport are all included.

For individuals who wish to make tackle, manual training teachers, boys' work secretaries, scout leaders, camp directors, etc., "THE ESSENTIALS OF ARCHERY" will prove of great value.

Single copies are \$1.00; in dozen lots they are \$6.00 per dozen. If you place an order with us for a dollar or more you may order the handbook for \$.50.

### Page 4

## LEMONWOOD BOW STAVES

The best Lemonwood comes from the Cuban uplands; from the mountains back of Santiago. It belongs to the gardenia family, and, in the Spring, the Dagame tree (its Indian name) is covered with small, white, sweet smelling blossoms. It is close-grained, tough and springy; its color is lemon color. Because it is so straight grained, staves may be sawn from the spars. Blue Ribbon Lemonwood Staves are the best that Nature grows. They have been very carefully selected from mountain grown logs and the air seasoning rigidly regulated. If you want the best in Lemonwood Staves, BLUE RIBBON STAVES will meet your requirements.

### BLUE RIBBON SEMI-FINISHED FLAT LEMONWOOD BOW STAVES WITH HANDLE RISERS

5/0// Long	\$2.50 Fach 5'6" Long	\$3 00 Fach	Longer	\$3.50 Fach

These staves are so nearly finished you can't go wrong. During our part of the process, any stave that develops a flaw is rejected, so that, when you buy a semi-finished stave you are getting a proven piece of wood.

### BLUE RIBBON LEMONWOOD LONG BOW STAVES—SQUARE AND SEMI-FINISHED

5'0" x 3/4" x 3/4" square	<b>\$1.50</b> Each	Semi-finished \$2.00	Each
5'6" x 7/8" x 7/8" square			
$6'0'' \times 1-1/8'' \times 1-1/8''$ square	<b>\$3.00</b> Each	Semi-finished\$3.50	Each

Long Bow Stayes are for making the "Long Bow" of song and story. Its traditional shape has come down through the ages. It is long and narrow and made with stacked, rounded belly and flat back.

### BLUE RIBBON RECURVE ENDED LEMONWOOD BOW STAVES SEMI-FINISHED



The recurved ends are permanently fixed with laminations of beautiful tropical woods; they won't pull out. The handle riser is of contrasting woods, and the staves will result in exceptionally fast bows of beauty and grace. 5'8" Long—\$8.00 Each.

**BACKING.** To add strength, beauty and finish to your bow, the above staves may be had with a backing of Fiber—Red, Black or White—which results in a colored back that polishes to a beautiful lustre. For FIBER BACKING add \$1.25 to the price of any of the above staves.

BLUE RIBBON FLAT LEMONWOOD STAVES WITHOUT HANDLE RISERS. For those archers who have their own ideas as to what they want in the way of a handle. Flat, Square only (not semi-finished).

5'0" Long..........\$1.75 Each 5'6" Long..........\$2.25 Each Longer........\$2.75 Each

LEMONWOOD HUNTING BOW STAVE, RAWHIDE BACKED. Hunting with the bow and arrow is growing by leaps and bounds. A sturdy bow of from 55 to 65 pounds pull is called for. Our heavy, very carefully selected stave, backed with rawhide, meets the requirements. Semi-finished, 5'8" long-\$8.50 Each.

LEMONWOOD BILLETS, Blue Ribbon Quality, 36" x 1-1/2" x 3/4"-\$2.00 per pair. For demountable bows or for joining under the handle to make a regular bow.

<b>CROSS</b>	BOW	BLANKS,	for making the prod or bow of a cross bow,
*	1	40//	4 4 /0// 2 /4//

Lemonwood	48" x 1-1/2" x 3/4"	\$1.50 Each.
Osage Orange	36" x 1-1/2" x 3/4"	4.50 Each.
Osage Orange Slats.	36" x 2" x 1/4"	3.00 Each.

### PARCEL POST SHIPPING WEIGHT-4 POUNDS FOR EACH STAVE

### BACKED AND LAMINATED BOW STAVES Page 5

In addition to the staves listed opposite, which are of single pieces of Lemonwood, we make Blue Ribbon Hickory Backed Staves and Laminated Staves of three pieces-hickory for the back, amaranth or majagua (colorful tropical hardwoods) and select lemonwood for the belly. When a bow bends, the back stretches and the belly compresses. By combining woods that have these qualities a better stave is the result, and the finished bow will have more cast and action. Hickory stretches and is very tough; lemonwood is an excellent compression wood and has lots of resiliency. The two together, when properly joined with plastic glue, produce a stave of superior worth.

HICKORY BACKED BOW STAVES. Natural, carefully selected Blue Ribbon Lemonwood Staves are backed with full length White Hickory. The joint is made with a new plastic glue and the resulting bow is a beautiful, fast shooting weapon. Semi-finished—\$6.75 Each.

THREE PIECE LAMINATED STAVES. Hickory Back, Amaranth or Majagua center and Natural Lemonwood belly. A colorful combination of properly assembled woods that result in a beautiful bow of exceptional cast and strength. Semi-finished—\$9.50 Each.

### SHIPPING WEIGHT OF ABOVE SPECIAL STAVES 4 POUNDS EACH

Because of present parcel post regulations, we would advise that you instruct us to ship staves and bows 5'6" and longer by Express Collect. (Railway Express Agency.) Your shipment is then automatically insured up to \$50.00 and swift, safe delivery is assured.

# OSAGE ORANGE

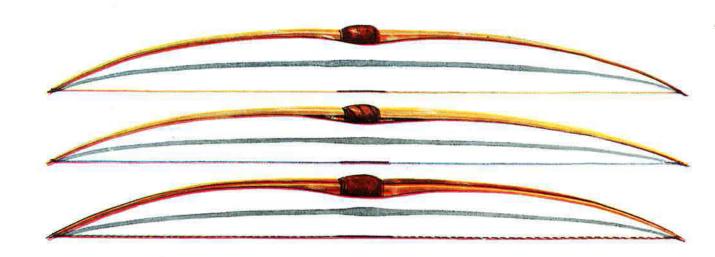
Osage Orange is America's gift to archers. It is a golden yellow hardwood that darkens to a rich brown with time. It makes hard-shooting, sturdy bows that will stand plenty of abuse. Osage is a favorite for Roving and Hunting bows and, in many opinions, is the best all-around bow wood. Osage Orange is also known as Bois d'Arc (Bodark) and was much used by the Indians in the South and Middle West. The early French explorers gave it its name. Because of its knottiness, there is more Osage available for short staves or billets. It is the safest wood for very heavy tackle-bows of 60 pounds pull or more.

Osage staves are about 1-1/2" wide with plenty of wood for the heaviest tackle. Backed staves are backed with clarified rawhide.

Roughed out or semi-finished staves are worked to the approximate shape of the bow and finishing is simplified and made easier. Osage staves are not straight. Since they are split from the log, all the peculiarities of the growing tree appear, whatever dips occur are followed so the grain may run from tip to tip. Every stave we send out will make a beautiful bow but no exchanges or claims of any kind will be allowed if work has been done on them.

PLAIN OSAGE ORANGE STAVES (Joined Billets) SEMI-FINISHED..... \$12.50 Each OSAGE STAVES (Joined Billets) SEMI-FINISHED AND RAWHIDE BACKED 16.50 Each

SHIPPING WEIGHT OF OSAGE ORANGE STAVES 10 POUNDS EACH



It is difficult to properly illustrate a bow, but the above pictures will give you a good idea of FLAT BOWS and the LONG BOWS.

### FLAT TARGET BOWS

STYLE NO. N-1. A fine, inexpensive bow. Beautifully finished and polished. The high, narrowed handle riser is embellished with a thin strip of colored fiber. Attractively wrapped grips; strong, whipped strings. A bow of excellent cast and performance. Drawing weights 15 to 45 pounds.

4'6" Long	<b>\$3.95</b> Each	5'6" Long	<b>\$7.50</b> Each
5'0" Long	<b>\$4.95</b> Each	5'8" Long	<b>\$8.50</b> Each

STYLE NO. N-1-B. Made of a selected Blue Ribbon Bowstave. Handle riser beautified with a lamination of fiber or exotic colorful tropical wood. Wrapped grips; strong, whipped linen strings. This bow is BACKED with fiber (black, red or white) and is beautifully finished and polished. A superior weapon in every respect. Drawing weights 25 to 45 pounds.

5'0" Long	<b>\$8.50</b> Each	5'6' Long	\$10.00 Each	5'8' Long	\$12.00 Each
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### LONG BOWS (Target)

The Long Bow is the bow of song and story, the pride of the old English yeoman, the artillery of past centuries which was so effective against knights in armor. It is long and narrow with a flat back and rounded belly, and, by very reason of its length is a dependable weapon. Use it and you will find that once "set", it is like a faithful friend ever ready for sport at the target or in the field.

The 4'6" and 5'0" Long Bows are made of a single piece of Lemonwood. The 5'6" and 6'0" bows are made of self, selected staves beautified and strengthened with a lamination of colorful imported wood under the wrapped grips. Hand made with a fine finish, they have strong, long wearing strings and are of sturdy construction.

4'6" Long	5'6" Long \$7.50 Each
5'0" Long	6'0" Long \$8.50 Each
(Light Weights; under 25 lbs. pull)	(Drawing Weights 30 to 45 lbs.)

PARCEL POST SHIPPING WEIGHT OF ALL BOWS ON THIS PAGE—3 LBS. EACH



These plain ended Reflexed Bows come in pulling weights of from 30 to 45 pounds. The working reflexes are glued in for strength and beauty and they won't pull out. They have extra strong, whipped linen strings, wrapped grips, contrasting wood risers and are beautifully finished and polished. Be sure to state drawing weight or pull when you order. Each \$20.00.

All the bows on pages 6 and 7 come with plastic arrow rests.

# **HUNTING BOWS**

Deep in every male is the primitive urge to hunt and to use the archer's weapons. The pleasure one gets in hefting a good hunting bow and pulling the tough cord that fights you every inch of the arrow length, loosing and watching the arrow whizz away, is soul-satisfying. Many states have recognized the growing numbers of Archer-Hunters and have made provision for this style of hunting by setting aside game preserves and designating seasons when the bow and arrow may be used exclusively.

AMERICAN SEMI-FLAT LEMONWOOD HUNTING BOWS. Lemonwood Hunting Bows are made of extra heavy, very carefully chosen staves. They are hand made, custom jobs. They have wrapped on leather grips, extra strong, whipped strings, and are well finished and polished. They are rugged, sturdy weapons built for the work intended.

This bow may be had Plain, Fiber-Backed or Rawhide-Backed. The Pull or Drawing Weights are from 45 to 60 pounds. They are all 5'8" long.

PLAIN — \$10.00 Each

FIBER-BACKED — \$12.50 Each

RAWHIDE-BACKED — \$15.00 Each

**REFLEXED LEMONWOOD HUNTING BOWS.** The recurves are laminated with beautiful contrasting woods. All fittings are rugged. An exceptionally beautiful fast hunting weapon. Pulling weights from 46 to 60 pounds. **\$20.00** Each.

A word about **LEMONWOOD.** It is one of the three best bow woods; the other two being Osage Orange and Yew. The best Lemonwood comes from the uplands of Eastern Cuba, where the limestone in the "lomas" gives it that extra toughness and flexibility which characterizes our wood.

All the bows on pages 6 and 7 come with plastic arrow rests.



### OSAGE ORANGE HUNTING BOW

OSAGE ORANGE HUNTING BOW. Osage Orange is the wood supreme for Hunting Bows. Its dependability, regardless of weather conditions, makes it the favorite of hunters. For heavy bows, those over 60 pounds pull, Osage is the best and most dependable wood. It is tough, sturdy and strong, and will stand lots of abuse. Osage Hunting Bows are handmade, well-finished and are fitted with extra strong, whipped strings. Grips are leather, wrapped on. They are Rawhide Backed and come in lengths from 5'6" to 5'10" depending on the stave used. Each bow is an individual creation and a custom made weapon.

Drawing Weights or Pull of from 45 to 65 pounds. \$25.00 Each
Drawing Weights or Pull of from 70 to 80 pounds. \$30.00 Each

SHIPPING WEIGHT OF HUNTING BOWS-4 LBS. EACH

### The Bows Archers Dream About

### ARE ENTIRELY NEW AND REVOLUTIONARY

Made by Archers for Archers - Light in the Hand - No Kick - Sweet to Shoot - Fast Unbelievably Low Points of Aim — Do Not Lose Cast or Take a Set — Do Not Tire if Left Strung Do Not Break When Over Drawn — Are Not Affected by Heat, Cold or Moisture

### THE WHOLE FAMILY CAN USE THE SAME BOW

It took over two years to perfect the bows we are now presenting, and believe they are as nearly perfect as a bow may be. They have been tested in the field and woods as Roving and Hunting weapons, and at the targets for formal shooting. We are confident that pound for pound, and arrow for arrow, they shoot better than any bow made, regardless of price or materials.



### THE MOGUL

Modeled after an Oriental Composite Bow, this Superb, Double Recurved, Hunting Bow is hand molded from special fiber-glass. It measures 54" when strung and comes in pulling weights of from 45 to 75 pounds. It is beautifully finished, has double looped string, is light in the hand and has wonderful cast. \$37.50 Each.

### FLAT, RECURVED, SOLID FIBER-GLASS BOWS

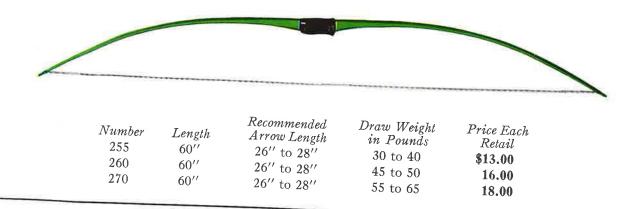




The comfortable, molded, checkered, double arrow rest grip.

Number	Length	Recommended Arrow Length	Draw Weight in Pounds	Price Each Retail
220	54''	$24^{\prime\prime}$ to $26^{\prime\prime}$	25 to 35	\$14.50
225	54''	$24^{\prime\prime}$ to $26^{\prime\prime}$	40 to 50	16.00
230	60′′	26" to 28"	30 to 40	16.00
235	60′′	26" to 28"	45 to 50	17.00
240	60′′	26" to 28"	55 to 65	18.00

# FLAT, STRAIGHT, SOLID FIBER-GLASS BOWS



# ROUND FIBER-GLASS BOWS



Plastic Bow Tips

	Length*	Lbs. Pull	Each
400	50′′	20 to 30	\$6.00
500	52''	31 to 45	7.50
600	60′′	46 to 60	9.00
*Le	engths are	approximate	

Solid Fiber-Glass; Plastic Bow Tips; Decorated and Polished; made by old time bowyers who know what is wanted in a bow. Properly tillered; molded plastic grips and fine whipped strings. Beautifully finished and delightful to shoot.

Both the Recurved and Straight Solid Fiber-Glass Bows are beautifully finished and polished. They come in either clear emerald green or clear aquamarine. They have molded, comfortable, double arrow rests with checkered sides. The fine strings are whipped and double-looped. When the bows are full drawn, their classic curves

# JUVENILE BOWS - LONG BOW TYPE

**\$3.00** Each

Plain Ends, Molded Plastic Grips, Decorated and Polished.

# JUVENILE, FLAT, SOLID FIBER-GLASS BOWS



No. 215 — RECURVED, 15 to 25 lbs. 48" Long.

Price Each Retail - \$6.00

Recommended Arrow Length — 18" to 24"

Nicely finished, polished and decorated. They have attractive plastic grips and stout whipped strings.

# TARGET ARROWS

Packed a Dozen in a Box. Lengths 24", 26" and 28",



PRACTICE — PLAIN ARROWS neither polished nor decorated. Intended for those who wish to decorate and finish to suit individual taste. These are arrows you can afford to use and lose.

1A—Selected Birch with self-nocks and metal heads, balloon-shaped feathers. Excellent for juvenile archers. Per dozen......\$2.75

1B-Port Orford Cedar with plastic nocks and metal heads. Junior Streamlined feathers. Suitable for intermediate archers who wish to improve their scores. 

1C—Best Port Orford Cedar with plastic nocks and tapered heads. Regular Streamline feathers make these as fine-flying arrows as any archer could wish for. Good for target or roving. Per dozen.... \$4.75

2-NORMAN BIRCH made of tough birch with self nocks, balloon feathers, metal heads, high gloss finish and decorated. Per dozen ...... \$3.75

3—SQUIRE has a Port Orford Cedar shaft, metal head, plastic nock. Junior Streamline feathers, decorated and varnish finish. Per dozen...... \$5.00

4-KNIGHT selected, varnished and attractively painted lathe-milled Cedar shafts, metal heads and plastic nocks, regular Streamline feathers. An excellent arrow for adult beginners. Per dozen \$6.75

5-YEOMAN Selected throughout for close target work. Port Orford Cedar shafts, lathe-milled, tapered heads, plastic nocks, three color crest and high gloss finish. A beautiful arrow for looks and per-

6—GOLDEN EAGLE Beautiful four tailed footed shafts, plastic nocks, target piles or long tapered heads, long low Streamline feathers, striking 3 color crestings, and high gloss finish. In addition, these arrows have been Tested by Shooting and group inside the red circle at 60 yards. Per dozen \$12.50

### Shipping Weight—3 Pounds per Dozen

### **IMPORTANT**

These two pages (Pages 10 and 11) illustrate and describe Arrows. It is essential that you order arrows of the proper length in relation to your wood bow. DON'T USE ARROWS TOO LONG FOR YOUR WOOD BOW. The following Scale gives you the Correct lengths.

Length of Flat Bow	$L\epsilon$	ength of Arrow	Length of Long Box	w .	Length of Arrow
4'6''		23''	4'6''	9 K203 KW	. 23''
5'0''		$24^{\prime\prime}$	5′0′′		24''
0 -		26" to 27"	5'6''		
5′8′′		28''	6′0′′	20000000	. 28′′

When ordering Arrow Material Sets (Page 13) lengths of shafts should be as given above.

# ROVING and HUNTING ARROWS

Page 11

Packed a Dozen in a Box. Lengths 24", 26" and 28'



A-ROVING is a tough, plastic nocked, birch arrow for field shooting. Decorated and varnished, heavy blunt heads. Long streamline feathers keep them in perfect balance. Per dozen..... \$6.00

B-WOODLAND a sturdy birch arrow for target and roving; plastic nocks; tapered heads for non-skid shots. Varnished and decorated. Per dozen. \$7.50

C-TARGET HUNTING is designed to permit hunting practice at field targets. Similar in weight and flight to the Lancet and Deerslayer arrows, but with a metal pile head. Per dozen......\$7.50

D-RED FOX is a low-priced, sturdy, plastic nocked birch hunting arrow, fletched with long, low feathers and tipped with a sharp 11/2" steel broadhead and brass collar. It is big enough for deer and small enough for rabbits. Per dozen ...... \$7.95

effective for fish, frogs, etc. Per dozen..... \$15.00

F-LANCET has selected Port Orford Cedar shafts and plastic nocks and is fletched with Streamline feathers. Decoration and finish make it easy to spot and the Lancet head  $2\frac{\pi}{4}$  long, brazed into a solid ferrule makes a fast arrow for small game. This sturdy blade is shaped so it will not catch on twigs 

**G**—DEERSLAYER is similar to the Lancet arrow. but is equipped with a 1-1/2" steel broad-head which is well balanced by the effective Streamline feathers. 

H-BIG GAME. Plastic Nocks; Jumbo Streamlined feathers; varnished and decorated shaft. Broadhead is 3'' long and 1'' wide. Will not plane. BIG GAME also comes with a 3 Bladed Head. Be sure to specify two or three bladed head when you order. Per dozen......\$12.00

# **BOW MATERIALS**







PLASTIC BOW TIPS. 3/8" hole. For longer bows 7/16" hole. Per pair \$.75, weight 2 oz.







BOWYER'S GLUE. Can of special bowyer's glue for use in making sinew-backed bows. Used cold, joins sinew to sinew, and sinew to wood. Per can \$1.50, weight.



LEATHER SQUARE for one handle, \$.25, weight 2 oz.



LEATHER STRIP for



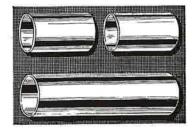
LAMINATION SLATS for reflexing bows. Ten properly prepared slats of lemonwood and contrasting dark hardwood, ground absolutely flat. \$2.50 per set, weight 1 lb.

RISERS—Beautiful hardwood handle risers for flat bows; 9" x 1-1/2" x 3/4"; sanded flat on one side, \$.25 Each, weight 6 oz.

HICKORY BACKING-1-1/2" x 36"-\$1.50 per Pair. Shipping Weight-3 lbs.

GLUE—Waterproof casein type; large package \$.25.

GLUE-Clear, liquid, all purpose, \$.25 tube.



DEMOUNTABLE STEEL HANDLES. Set of three pieces seamless tubing drawn to perfect fit for take-apart bows. \$1.75 per

# ARROW MATERIALS

ROUND ARROW SHAFTS. Birch is good for beginners' arrows, for field and hunting shafts. It is tough, hard and strong. It may be straightened with the fingers, a distinct advantage. Port Orford Cedar is a fine, light wood. It makes excellent self and footed arrows. The difference in cost between really fine, straight shafts and others is so little, it pays you in satisfaction to get the best.

#### BIRCH

Selected	for	spine	and	stra	ightnes	s, 5	/10	5′′	X	30′′.	Per
dozen										\$	.75

#### PORT ORFORD CEDAR

Hand picked for grain, spine and straightness, 5/16" 

FOOTED ARROW SHAFTS. A footed arrow is made of two pieces of wood. A splice or foot of a hard, durable colored wood is applied to Port Orford Cedar. It beautifies the shaft, improves balance and adds strength and durability.

Four Tailed Footed Shafts, 5/16" x 30", lathe-



**ARROW FOOTINGS.** Beefwood squares, 3/8" x 7" slotted. Per dozen......\$1.00 Shipping Weight 1 pound

CRESTS. Beautiful, wrap around, three color decalcomanias for decorating arrows; 3-3/4" x 1-1/2" for all arrow shafts. Per dozen..... \$ .75 Shipping Weight 4 oz.

### ARROWHEADS AND NOCKS







PARALLEL BRASS 5/16", \$.50 per dozen.



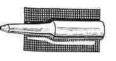
PARALLEL STEEL



ROVING BRASS 3/8", \$.75 per dozen.



BRASS LONG TAPERED 5/16" and 11/32", \$1.00 per dozen.



POINT. Non-skid extension point. 5/16" and 3/8"; 1-3/4" long. \$1.00 per dozen.



PLASTIC NOCKS 9/32", 5/16", and 11/32", \$.40 per dozen.



FINGER FORMED



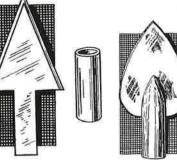
SOLID ALUMINUM



FEATHERING JIGS. For accurately attaching three feathers to the shaft. For 5/16" Shafts - \$1.75 Each. For 4-1/2" Feathers-\$1.85 Each. For 6" Feathers-\$2.00 Each. Shipping Weight—1 lb.

### ARROWHEADS-Shipping Weight-All 4 Oz. Per Dozen

### HUNTING ARROWHEADS



RED FOX 1-1/2" broadhead with tang and brass collar for 5/16" shaft, \$3.00



LANCET 2-1/4" overall length. Swedish steel blade 1" wide, ferrule 3/8". 2" overall length. 1-1/2" steel blade. Ferrule 3/8", \$3.60

BLADED BROAD-

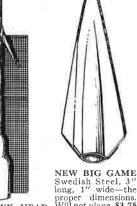
HEAD with True Curve Cutting Edge, Tem-

pered, strong, perfect flight, \$3.75 Doz.



XL PRACTICE 2-1/2" steel pile, heavy as BIG GAME head, fits over 3/8" shaft,





Page 13

all, ferrule fits over 3/8" shaft, spring steel blade, \$2.75 per dozen.

FISH HAWK HEAD barbed prong, 2-1/2" per Dozen. barbed prong, 2-1/2" per Dozen. long ferrule fits over 5/16" shaft. \$5.40 per

Shipping Weight of all Hunting Arrowheads—1 lb. per Dozen

### TURKEY FEATHERS



WHOLE TURKEY WING FEA	THERS	DIE CUT SHAPED TURKEY FEATHEI	
Barred	<b>\$ .60</b> Dozen	Ground Base, Balloon Shape	.65
Colored Barred	<b>.75</b> Dozen	Ground Base, Jr., Streamline	.80
White	<b>.75</b> Dozen	Ground Base, Streamline	1.00
Colored White.		Ground Base, Jumbos (4½" long)	2.00

Prices are per dozen sets. A set consists of two barred and one colored feather section.

### Shipping Weights—4 oz. per Dozen

# MATERIAL SETS FOR BOWS AND ARROWS

SET A — Materials to make 5'0" flat bow and 6 Norman arrows	\$3.75
SET B — Materials to make 5'6" flat bow and 6 Squire arrows	
SET C — Materials to make 5'8" fibre-backed flat bow and 6 Yeoman arrows	7.50

Sets contain Semi-Finished, Blue Ribbon, Lemonwood Staves, a piece of leather for the handle and a looped finished bowstring. The arrow shafts are the proper

WHOLE GROUND BASE WING FEATHERS

Barred..... \$ .75 Dozen Colored Barred...... 1.00 Dozen White..... 1.25 Dozen

Colored White...... **1.50** Dozen

Shipping Weights—4 oz. per Dozen

### TARGET ARROW MATERIAL SETS

Set 1.	All raw materials to make 12 Norman arrows.
	(5/16" Shaft) Per set
	(5/16" Shaft) Per set
Set 3.	A set to make an exceptionally rugged arrow
	for roving and field shooting. Shafts are 3/8"
	Port Orford Cedar. Plastic nocks, steel heads
	and Streamlined Feathers go with it. Per
	set

Shafts are ready to fletch; the heads and nocks are on; prepared die cut feathers, waterproof glue and instructions are furnished. See page 10 for arrow descriptions. Shipping weight-2 lbs. per set.

length; heads and nocks are on; prepared die cut feathers, glue and instructions are furnished. Shipping weights—3 lbs. per set.

### HUNTING ARROW MATERIAL SETS

Set 4.	All materials	to make	12 Red Fox	arrows.
	(5/16"Shaft)	Per set		<b>\$4.2</b> 5
	3.5			

Set 5.	All materials	to make	12	Lancet	arrows.
	(5/16" Shaft)	Per set			\$4.95

Set 6.	All materials to make 12 Big Game arrows.
	(3/8" Shaft) Per set \$8.75

The hunting shafts are ready to fletch; hunting heads are on, die cut, prepared feathers, waterproof glue and instructions are furnished. See page 11 for Hunting Arrow descriptions. Shipping weight-3 lbs. per set.

MATERIALS SET FOR CROSS BOW BOLTS OR ARROWS. Consists of 12-15" x 3/8" birch shafts, square ended, 12 steel pile heads 3/8", fitted to shafts; 12 sets of Streamlined Die Cut Feathers and glue. \$2.75 per set. Shipping Weight 2 lbs.

### **ACCESSORIES**



Bowstrings are important. They should have plenty of reserve tensile strength to hold the bow safely. They should also be as thin as is consistent with strength. After you adjust your string to the bow it will last much longer if you whip or serve the upper loop. If you back-splice the lower loop, as is customary with good archers, it too should be served. Linen or silk thread is good. The center of the string itself should be bound or served for about 5" where the arrow and drawing fingers engage the cord. Some archers whip a "finding knot" on the string so they can quickly place the shaft on the bowstring.

**GENUINE FLEMISH BOWSTRINGS.** Imported from Belgium where they have been made for centuries by the same family. Tapered, three ply reinforced tie end and loop. Thin, exceptionally strong and the very best in bowstrings. For 5'6" to 6'0" bows only. For bows 35-45 lbs. pull \$1.50 Each. For bows 45-55 lbs. pull \$1.75 Each. For bows 70-90 lbs. pull \$2.00 Each.

SHIPPING WEIGHT OF ALL STRINGS-2 Oz.



PREPARED BOWSTRING TWINE. A ball sufficient for 30 to 40 strings. Very strong and long wearing. \$3.00 Per Ball. Sufficient prepared bowstring twine for 6 bowstrings—\$.75.

LINEN BOWSTRING THREAD. The proper material for fine hand made strings. 2 Oz. Ball—\$1.25 Per Ball. 1 Oz. Ball—\$.65 Per Ball.

VEE-DACRON THREAD. An exceptionally strong, new wonder-fiber thread. Makes thin, strong bowstrings. Sufficient thread for 6 Bowstrings—\$1.50; sufficient for 3 Bowstrings—\$.75.



BOWYER'S WAX. Special formula, large cake. What tar is to a sailor, wax is to a string maker. \$.25 Per Cake. Shipping Weight 4 Ozs.

### **ACCESSORIES**

leather—\$.25

Each. Cordovan

leather-\$.30



ALL PURPOSE ARM-GUARD. Heavy cowhide. Adjusted in seconds. Stout elastic cord holds them firmly and comfortably in place. Small—\$.50 Each. Large—\$1.00 Each. Weight 4 ozs.



ARMGUARD. Heavy cowhide. Suede lined. Adjusts to arm in seconds. \$1.50 Each. Weight 4 ozs.



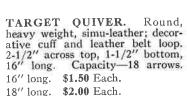
HUNTING ARM-GUARD, leather with leather lining, sewn stays, \$3.00.



SHOOTING-GLOVE, fancy leather back, strap and adjustable snap. Large, medium and small \$1.75. With Cordovan Tips, \$2.00 Each.



QUIVER. Scabbard-type 18" long; heavyweight, simulated leather; decorative cuff; leather belt loop. Capacity — 1 dozen arrows. \$1.00 Each.





TARGET QUIVER.
Top grade cowhide;
2-1/2" top, 1-1/2"
bottom, 18" long. Side
sling harness and belt
loop. Holds a dozen
arrows easily. \$3.25
Each.



JUNIOR HUNT-ING QUIVER. Heavy leatherette, decorative cuff; 6" wide, and 15" long, with shoulder harness. \$3.00 Each.



HUNTING or FIELD QUIVER. 7" top, 5" bottom, 20" long. Contour top piece with strap and buckle permits easy back carry. Top grade soft brown leather. Holds about 18 arrows. \$10.00 Each.



A very attractive all leather Indian style quiver of buckskin-like cowhide splits; 4" wide and 18" deep; 1" collar with 3" fringe; loop for belt wear. Holds a dozen arrows easily. \$1.75 Each.



An all leather, beautiful Indian style quiver made of buckskin-like cowhide splits; 4-1/2" wide and 18" deep; long leather fringe down one side. Holds a dozen arrows easily. Loop for belt wear. \$3.00 Each.



This all leather, beautiful, generous Field or Hunting Quiver holds 2 dozen hunting or heavy field arrows easily. It measures 7" across the top, 5" across the bottom and is 20" deep. It is made of buckskin-like tan cowhide splits. The bottom is reinforced and the deep collar is heavily fringed. Fitted, contour top piece with strap and buckle permits comfortable, easy shoulder carry. \$5.00 Each.



MATERIAL SET to make the above quiver. Pieces cut to size and leather lace. You cut fringe and hand lace. Instructions furnished.

ished. Leather—Soft, Tan, Cowhide Split—\$1.00 Set. MATERIAL SET to make above quiver. All pieces cut to size plus leather lace. You cut fringe and hand lace. Instructions furnished. Leather—Soft, Tan, Cowhide Split—\$1.50 Set.

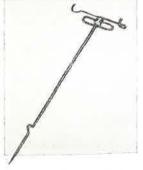
MATERIAL SETS to make the above Hunting Quivers. All pieces cut to size plus accessories. You cut fringe, handlace and finish. Instructions furnished. Leather—Soft Cowhide Split—\$2.50 per Set.

Leather—Brown Top Grade Elk—\$5.75

SUEDE HUNT-ING QUIVER, 17" long and 3" wide with leather fringe on top and Wampum decoration. \$3.00 Each.



BOW CASE — Simuleather for either 5'6" or 6'0" bows. \$2.75, 1 lb.



GROUND QUIVER of heavy steel rod. Bow rack and arrow ring unscrew for fitting in arrow box. \$2.75, weight 1 lb.



TASSEL of wool yarn with leather strap for wear at belt. A colorful wiper for soiled arrows. \$75



SCORE PAD contains 75 pages ruled for any archery round, \$.35, weight 6 oz.



POINT of AIM MARKER for constant target shooting. White wooden ball with pin. \$.50, 2 oz.

# TARGETS - FACES - STANDS



# REGULATION HAND COILED RYE STRAW TARGETS WITH SKIRTED OILCLOTH FACES

Diameter	48''	36''	$24^{\prime\prime}$
Approx. Weight lbs.	70	40	20
Price each	\$15.00	\$12.50	\$7.50
Extra Skirted Faces	4.50	3.50	2.50

Our Regulation Archery Targets are made of long fibered rye straw by hand. They are very tightly bound and re-tightened. With ordinary care they should last several seasons.

The prices listed are for the straw back together with a skirted or slip-on oilcloth face in the standard archery colors of gold, red, blue, black and white.

LIGHTWEIGHT PRACTICE TARGET. Corrugated front and back; excelsior padding; slip-on or skirted OILCLOTH Target Face in the five archery colors. Diameter 24". \$4.50 Each. Shipping Weight—5 lbs.

### WOOD TARGET STANDS

Height a like and some side side to the	0 0	5′0′′	
Price each.	\$4.25	\$3.50	\$2.25
Weight lbs.		2	2

### HOW TO PUT TARGETS ON STANDS:

Many years of experience have convinced us that the proper way to put a target on a stand is to hang it from the tripod by means of an adjustable sling. We do not use pegs or extensions because we know that a good puff of wind can blow a target off the stand easily, and the result is a target full of broken arrows. If the target is slung from the stand, the wind cannot blow it off. All of our targets come provided with a rope sling.

PAPER TARGET FACES. Printed in gold, red, blue, black and white. May be mounted on several thicknesses of corrugated paper board to make a practical small target. 24" Diameter—\$.25 Each. 12" Diameter—\$.15 Each.

ROVING COURSE TARGETS. Three thicknesses of corrugated board; 24" paper face in the five archery colors. \$1.50 Each. Shipping Weight—3 lbs.



ANIMAL TARGET FACES. On heavy paper. Black and white drawings of deer, bear, rabbits, fox, ducks, etc., about life size; deer and bear half size. These may be colored and then mounted on cardboard or corrugated box paper. Excellent for a roving or field course. Seventeen (17) figures to the set. \$2.50 per set.

# JUVENILE ARCHERY SETS (Mounted on Cards)

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### SHIPPING WEIGHT—3 POUNDS EACH

COMPLETE ARCHERY SETS — COMPLETE\*

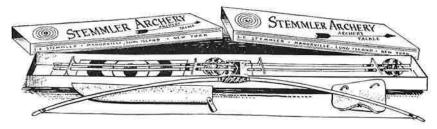
With Polished LEMONWOOD Bows



No. 5-N. A polished 4'6" Lemonwood long bow; about 15 lbs. pull; 4 metal tipped, 3 feathered, decorated arrows, plain shaft; a 12" juvenile fabric quiver; a leather tab; a leather armguard; a 12" paper face and instructions...... Each—\$ 5.00

No. 10-N. A hand finished and polished 5'6" Lemonwood flat bow; 30 to 45 lbs. pull; contrasting handle inlay, Fiber-Backed; 6 Yeoman arrows; a semi-glove fingerguard; a fine leather armguard; an 18" quiver; a 24" paper face and instructions..... Each—\$18.50

# \*COMPLETE BOXED ARCHERY SETS WITH FLAT FIBER-GLASS BOWS



No. F42-BX. A 42" Flat Fiber-Glass Bow; 15 to 20 lbs. pull; with polished lemonwood handle riser; 4 metal tipped, 3 feathered, decorated arrows, plain shaft; a 12" juvenile fabric quiver; a leather tab; a leather armguard; a 12" paper face and instructions. Each—\$ 6.50

No. F48-BX. A 48" Flat Fiber-Glass Bow; 15 to 25 lbs. pull; with polished lemonwood handle riser; 6 metal tipped, 3 feathered, decorated arrows, plain shaft; a 16" fabric quiver; a leather tab; a leather armguard; a 12" paper face and instructions...... Each—\$ 9.75

No. F-54-BX. A 54" Flat Fiber-Glass Bow; 20 to 40 lbs. pull; beautifully finished and polished, with lemonwood handle riser; 6 metal tipped, streamlined feathered, decorated arrows, polished and decorated; an 18" quiver; a leather tab; a leather armguard; a 24" paper face and instructions.

Each \$12.50

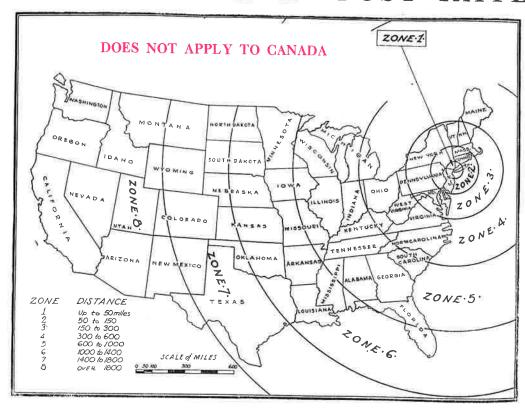
The lengths of the Flat Fiber-Glass Bows are approximate.

\*COMPLETE ARCHERY SETS—We should like to explain what we mean by COMPLETE ARCHERY SETS. An archer's equipment consists of a bow, arrows, a quiver, fingerguards and an armguard. Every one of our sets,

whether it has a fine Lemonwood or a beautiful fiber-glass bow is complete in this respect. Everything is there, nothing is left out, and instructions come with each set.

SHIPPING WEIGHT OF BOXED SETS-4 POUNDS EACH.

# PARCEL POST RATES



2 ounces or less	2¢
3 or 4 ounces.	3¢-4¢
5 or 6 ounces.	5¢-6¢
7 or 8 ounces	7¢-8¢

The above rates apply to any zone Over 8 ozs. up to 1 pound (16 ozs.) allow the pound rate for your zone, according to the table of rates.

# How To Figure Parcel Post Charges

The shipping weight of each article is given. Add the pounds and ounces, and change the ounces into full pounds. For example—if the total weight of your order is 5 pounds 4 ounces, it will take the 6 pound rate. If you live in Illinois, which is zone 5, your postage would be 73c.

If there is any question about the postage you wish to be certain of, ask your postmaster.

Shipping Weight		Zones 1 and 2		$Zone \ 4$	Zone 5	Zone 6	Zone 7	Zone 8
1	\$0.18	\$0.23	\$0.23	\$0.24	\$0.26	\$0.28	\$0.30	\$0.32
2	.20	.27	.29	.31	.36	.40	.46	.51
3	.21	.31	.34	.38	.45	.52	.61	.69
4	.23	.35	.39	.45	.54	.64	.76	.87
5	.24	.39	.44	.52	.63	.76	.91	1.05
6	.26	.43	.49	.59	.73	.88	1.06	1.23
7	.27	.47	.54	.66	.82	1.00	1.22	1.41
8	.29	.51	.60	.73	.91	1.12	1.37	1.59
9	.30	.55	.65	.80	1.00	1.24	1.52	1.77
10	.32	.59	.70	.87	1.10	1.36	1.67	1.95
11	.33	.63	.75	.93	1.19	1.48	1.82	2.13
12	.34	.67	.80	1.00	1.28	1.60	1.98	2.31
13	.36	.71	.85	1.07	1.37	1.72	2.13	2.49
14	.37	.75	.90	1.14	1.47	1.84	2.13	2.67
15	.39	.79	.96	1.21	1.56	1.96	2.43	2.85

Shipping		Zones	Zone	Zone	Zone	Zone	Zone	Zone
Weight		1 and 2	3	4	5	6	7	8
16 17 18 19 20	.40 .42 .43 .45	.83 .87 .91 .95	1.01 1.06 1.11 1.16 1.21	1.28 1.35 1.42 1.49 1.56	1.65 1.74 1.84 1.93 2.02	2.08 2.20 2.32 2.44 2.56	2.58 2.74 2.89 3.04 3.19	3.03 3.21 3.39 3.57 3.75
21	.47	1.02	1.26	1.62	2.11	2.67	3.34	3.93
22	.49	1.06	1.32	1.69	2.21	2.79	3.50	4.12
23	.50	1.10	1.37	1.76	2.30	2.91	3.65	4.30
24	.52	1.14	1.42	1.83	2.39	3.03	3.80	4.48
25	.53	1.18	1.47	1.90	2.48	3.15	3.95	4.66
26 27 28 29 30	.55 .56 .58 .59	1.22 1.26 1.30 1.34 1.38	1.52 1.57 1.63 1.68 1.73	1.97 2.04 2.11 2.18 2.25	2.58 2.67 2.76 2.85 2.95	3.27 3.39 3.51 3.63 3.75	4.10 4.26 4.41 4.56 4.71	4.84 5.02 5.20 5.38 5.56

# PLEASE NOTE BEFORE ORDERING

- 1. Be sure your name and address are plainly and legibly PRINTED.
- 2. Orders should be accompanied by remittance, otherwise they will be sent C.O.D. Postal money order is preferred.
- 3. C.O.D. orders result in extra expense to you. You are charged with a service fee here and an extra charge at your end. If your C.O.D. order is over \$6.00 the total charges are about 40 cents. These charges go to the postal authorities. You save money by remitting with your order. C.O.D.

shipments by express are subject to similar charges.

- 4. ALL ORDERS ARE F.O.B. MANORVILLE, L. I., N. Y. You pay the transportation charges. Information to enable you to figure parcel post costs is given in the catalog.
- 5. Parcel Post packages measuring over 84" in length and girth combined are considered to be 10 pounds, whether they actually weigh that much or not. Therefore, the most efficient and safest way to ship orders of three or more bow staves, targets, target stands and packages of several bows is by express collect.