

STAGHORN

Internationals



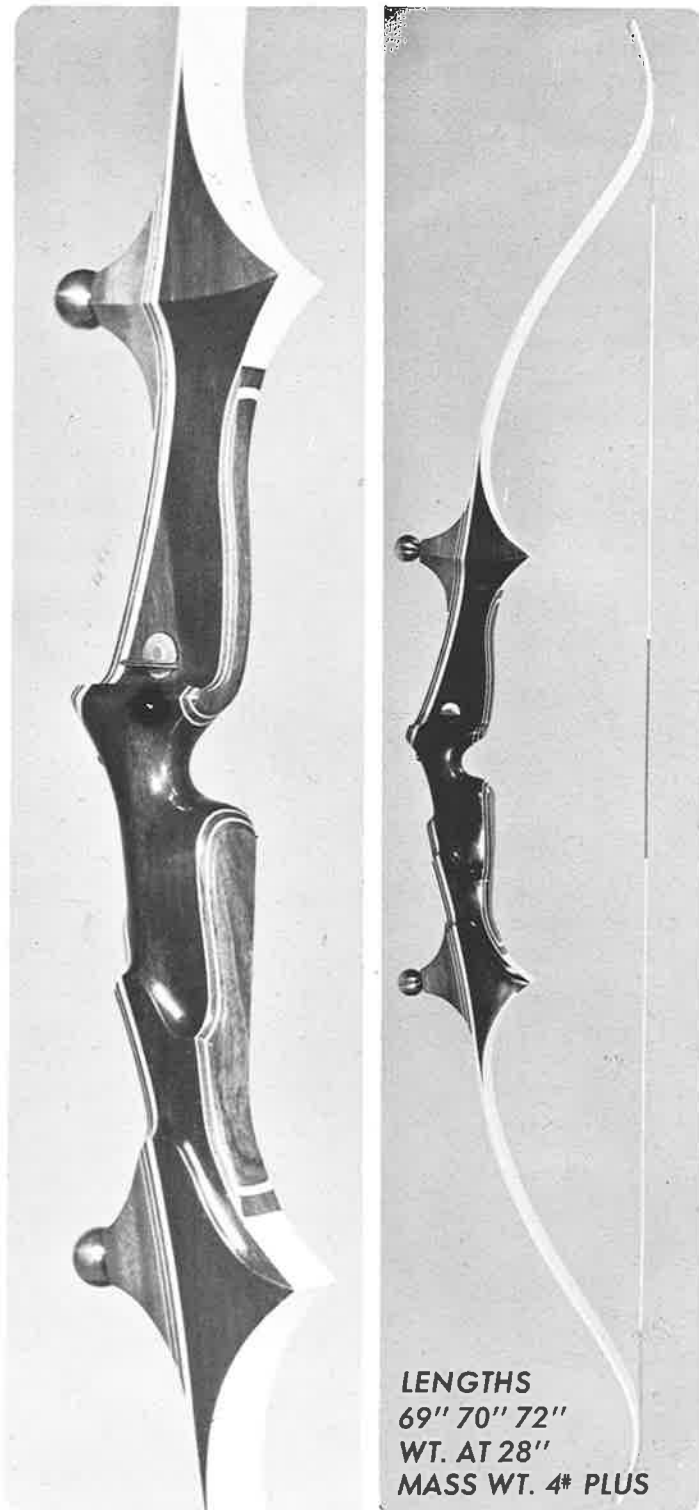
Since 1951
Makers of Fine Bows

HUNTING
TOURNAMENT
ALL AROUND

Classic

Contrasting Rosewoods and Weight Stabilizers

with DUAL WEDGE LIMB & TUNER



LENGTHS
69" 70" 72"
WT. AT 28"
MASS WT. 4# PLUS

\$205.00

The Classic includes all of Staghorn's finest features in a prestige tournament bow. The riser design in contrasting rosewoods features multiple overlays, stabilizer mounts and sphere weights or wand stabilizer. Channeled shelf with adjustable Tuner, handle proportioned and styled for your hand. Performance features smooth easy action (somewhat faster than comparable bows) and Dual Wedge Limb (See page 4). Also, custom balancing to assure smooth maximum performance for which the bow was designed. Padded bowcase. Lifetime Guarantee. Delivery six to eight weeks.

The Classic combines all the concepts so popular today and Staghorn's finest features in a prestige model for tournament shooting.

The elaborate design contrasts Brazilian rosewood with African rosewood in overlays and stabilizer mounts. Choice of brass sphere weights or wand stabilizer. Heavy physical weight is balanced. The new channeled shelf gives excellent clearance for vanes. The sight window, cut 1/4" past center, with Tuner installed puts you in the center of the target with a simple turn of the tuning knob.

The handle can be made to order. Handle fit is important — for accuracy, for comfort. If a handle is too large or too small, too open or too closed, some good hits will be lost. If the standard handle, medium California style, does not fit your hand, you can order one that does. High wrist style handle is pictured.

Balancing of the forces on the limbs is essential to smooth soft shooting. Since changing a shooting style changes the balance, custom balancing for your style of shooting assures you of the smooth action and maximum performance for which the bow was designed.

Dual Wedge Limb gives diagonal stressing to the limb which resists torque and makes the bow more forgiving of human error.

The Classic incorporates these features to give the archer every advantage in tournament shooting.

You will do better if these things are in the bow that you shoot.



YOUR INVESTMENT IS PROTECTED BY STAGHORN'S LIFETIME GUARANTEE.

Triumph Scroll Carving -- Brazilian Rosewood

with
**DUAL WEDGE
LIMB & TUNER**



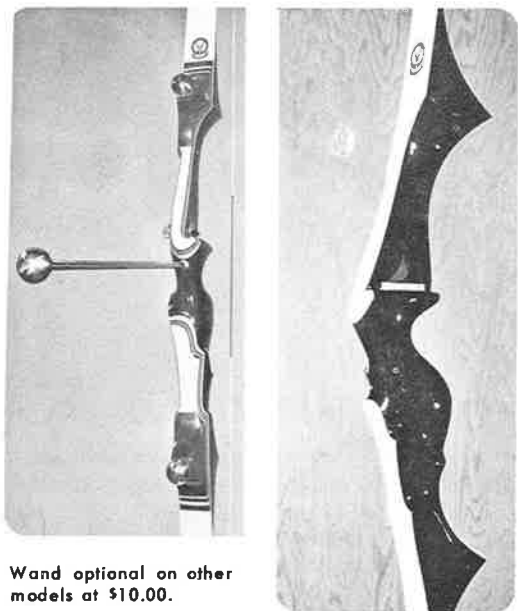
Shipped in zippered,
padded bowcase with luggage handles.

Elegant scroll carving and graceful lines characterize the Triumph. Styled in Brazilian rosewood with rosewood multiple overlays, channeled shelf, and standard California handle conformation. Custom handle may be ordered.

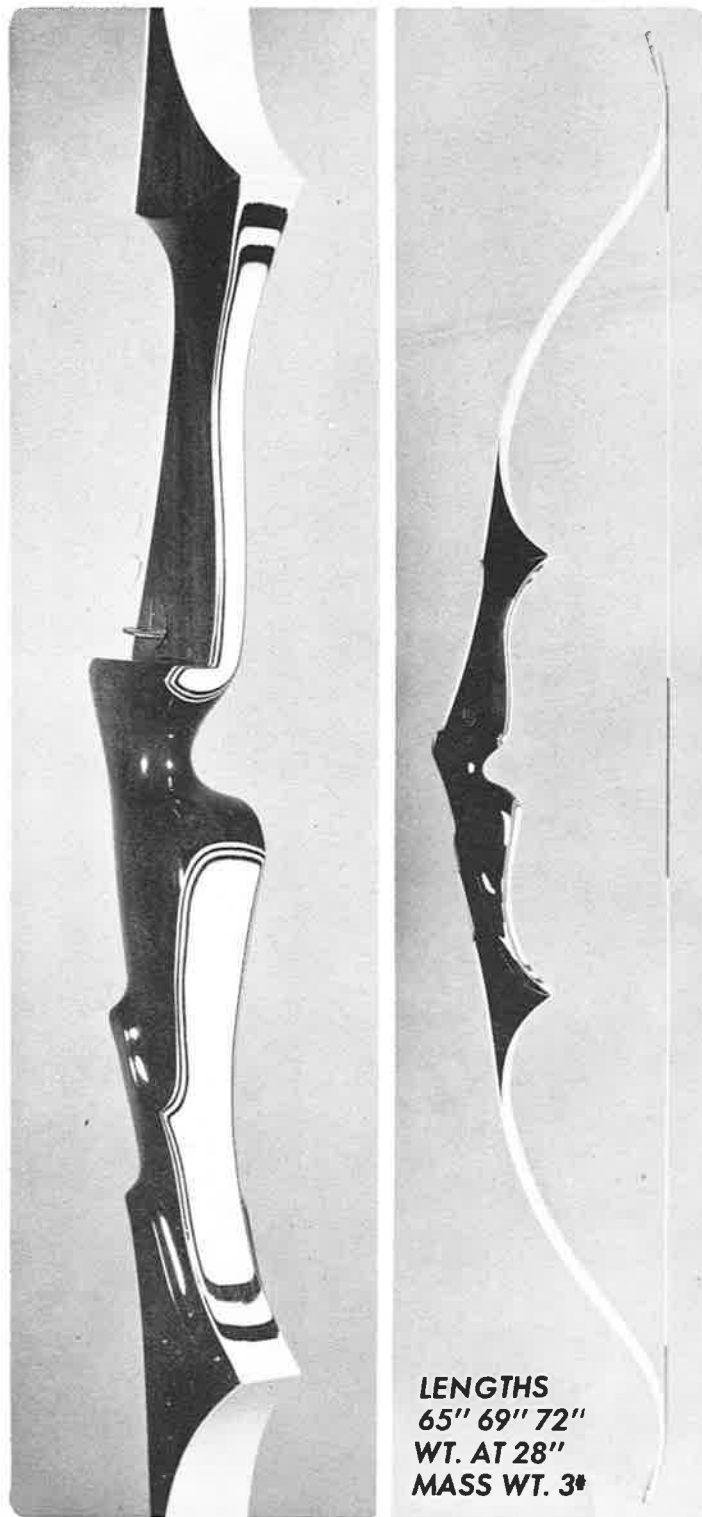
Stabilizer points are placed on the inside to allow a higher sight window and provide a firm base for added weight. Somewhat faster than comparable bows. Although speed is not a basic factor in much of today's tournament shooting, Staghorn's processes increase speed without losing stability or altering bow measurements. Note the short sweep at the end of the riser which powers the limbs and makes the Triumph faster than bows with a long slow taper.

Smooth action makes the Triumph a pleasure to shoot. Soft smooth shooting results from a well designed bow and limbs that are in perfect balance. If the motion of the limbs is in harmony, the action will dampen out through the tips, not with a jar in your hand.

Additional internal weight if desired or choice of external sphere weights or wand stabilizer. Dual wedge limb and tuner.



Wand optional on other
models at \$10.00.



LENGTHS
65" 69" 72"
WT. AT 28"
MASS WT. 3#

\$189.50

Staghorn elegance and scroll carving. Brazilian rosewood with overlays. Made to order handle, bow balanced for any special release. Mass wt. about 3 lb. Up to 1 lb. internal weight may be added. Sight window cut 1/4" past center, Tuner installed. Performance: Soft shooting, perfect balance of forces, slightly more speed than comparable bows. Stability developed to highest degree. Padded zipper case. Lifetime Guarantee, ownership transferable. Accidental damage serviced under \$25.00 maximum service charge. Dual Wedge Limb and Tuner. Delivery four to six weeks.

Confidence in our product is expressed by a lifetime guarantee

WAS SHOT BY THE WINNER OF THE 1967 WOMEN'S NATIONAL AND NORTH AMERICAN TARGET CHAMPIONSHIPS.

Sportsman

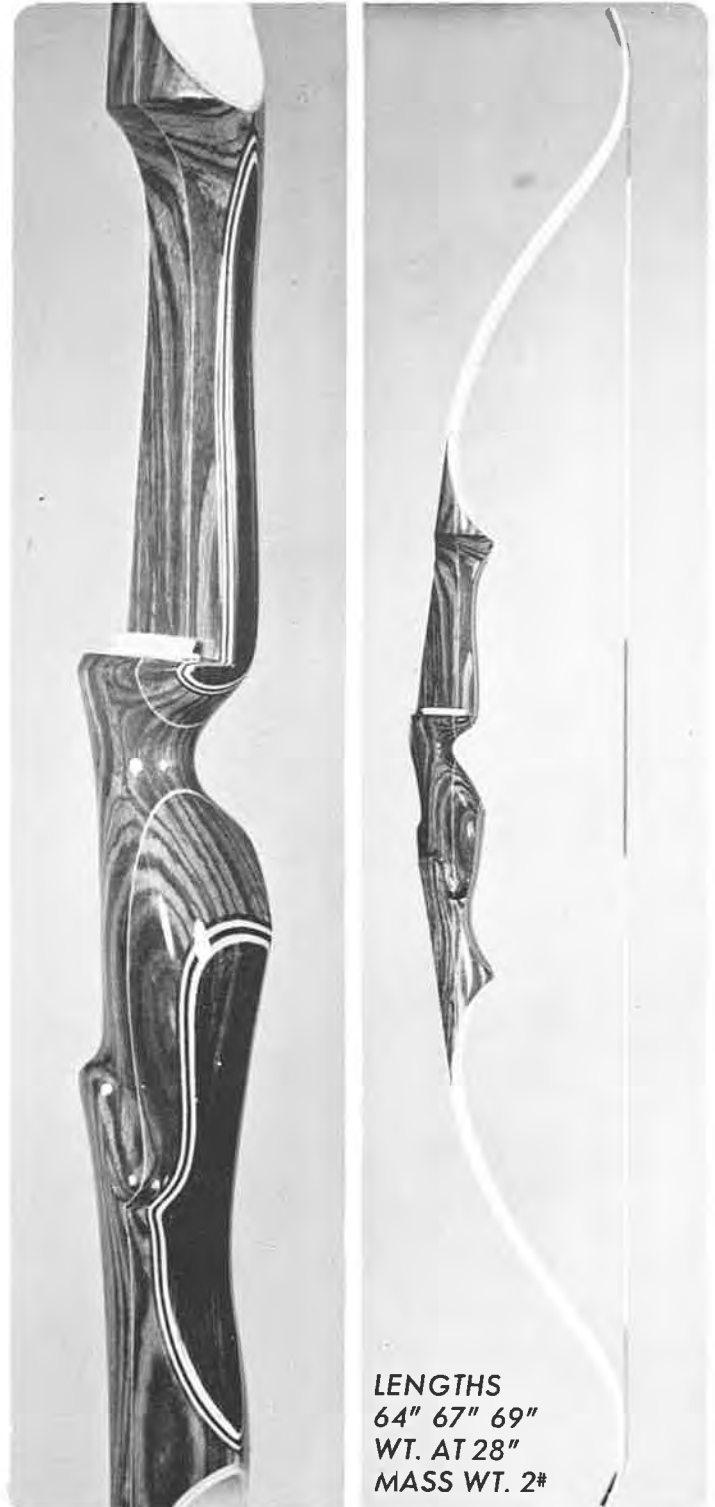
High Speed, Flat Shooting... Dual Wedge Stability

Popular styling in Zebra wood with stabilizer points and multiple overlays complements the Sportsman model. Exceptional speed is a great advantage in lighter draw weights or for instinctive shooting. Sight window is cut full center to 3/16" past center. Channeled shelf may be special ordered at no extra charge. If desired, handle will be cut and contoured to your style of shooting.

The Sportsman models are designed particularly for the archer who likes the arrow to shoot flat. Emphasis is on speed and easy draw. Dual Wedge Limb increases stability, inherently less in a very fast bow.

Staghorn bow designs are faster than average for the reason that we believe there are as many points to be lost in up and down error as there are in left and right error.

Sportsman
models
with
Rosewood
Riser
\$135.00



LENGTHS
64" 67" 69"
WT. AT 28"
MASS WT. 2#

WHEN YOU NEED A FEW EXTRA POINTS TO WIN--

Set the arrowrest slightly ahead of center, at the point of rotation affected least by any movement.

Use a longer arrow, one-half to one inch longer than draw length.

Try a string with small end loops. This is not a popular idea today, but tight end loops better control the recurves which are affected by release and pressures on the handle.

\$135.00

Staghorn Sportsman Model. Step into the World of Speed. If long range shooting or Bare Bow style is for you, close the gap and aim on target. Tournament styling, Zebra wood with overlays. Dual Wedge Limb. Made to order handle. Bow balanced for special release. Additional internal wt to 1 lb. Center cut to order. Performance: Exceptional speed, smooth shooting. Zipper case included. Lifetime Guarantee. Available in rosewood, extra charge. Delivery three to four weeks.

International

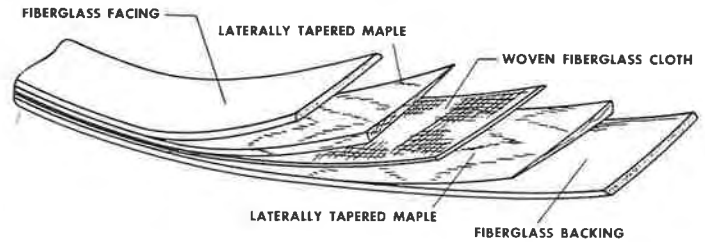
Featuring Dual-Wedge Limb & Tuner



LENGTHS
66" 69" 70"
WT. AT 28"
MASS WT.
APPROX. 2-3/4#

\$159.50

Staghorn "MODERN" concept with clean lines, swept back look and exceptional performance symbolic of today's space age. Brazilian Rosewood riser with overlays. Dual-Wedge Limbs & Tuner included. Made to order handle. Balanced for any special release. Maximum center cut, Tuner inlitted. Remarkable stability added with Dual Wedge Limb. Slightly more speed than comparable bows. Padded zipper case. Lifetime Guarantee. Ownership transferable. Accidental damage, serviced under \$25.00 maximum service charge. Unlimited time. Delivery four to six weeks.



DUAL-WEDGE LIMB

Staghorn achievement of 1966. Dual-Wedge construction consists of a layer of woven fibre - glass cloth .010" thick placed in a diagonal direction between the dual wedges of hard maple. This diagonal stressing resists torque, and when torquing does occur, Dual Wedge causes the limbs to recover their correct position simultaneously with the release of the string, allowing the string to travel through its intended plane.

Dual-Wedge available on most other Staghorn models at \$25.00 extra charge.



STAGHORN TUNER

Moves entire arrow rest unit in or out for windage adjustment to accommodate different arrow sizes, diameters, types, and spines. Sight window cut maximum depth for installation. Tuner inlitted. Any side rest may be used. Attaches to plate. Available separately at \$12.95

The International is highly accepted all over the world for competitions at long distances. The sleek lines and slighter dimensions are less affected by high winds. Lighter draw weights are not so critical with Dual-Wedge Limb.

XP 60

Top Hunting Bow



\$199.50

XP 60"
WT. AT 28"
MASS WT. 2*

The Magnificent XP by Staghorn. Rosewood Riser with overlays. Made to order handle, brown or green glass and balanced for special release. Physical weight under 2 lbs. max., int. wt. to 3 lbs. Center cut to order. Dual-Wedge Limb not required on this model. Zipper case. Lifetime Guarantee. Delivery three to four weeks.

The XP-60 is the most functionally perfect bow we have ever designed.

Four years in experimental, one year in field test, 3 years on the market from the cold of Alaska to the heat of South Africa, in 40 lb. weight to 100 lb. weight, no XP has broken or required service.

XP specifications called for a bow that would give the hunter every advantage: Maximum speed and limb efficiency, the stability of a tournament bow, minimum tendency toward limb twist, and a length short enough for maneuverability and easy stringing, long enough to draw evenly through 30".

The effectiveness of the XP in hunting is conclusive proof that it is all of these things.

We, at Staghorn, feel that the very short bow leaves something to be desired as a best hunting model.



Deer field dressed at 210 pounds. First arrow from 50 yards hit near the heart. Second shot hit one inch away from first arrow. Danny Ristow, Wausau, Wisconsin.

This special limb casts a heavy arrow on a flat trajectory, so important for less elevation correction, or to compensate for misjudged distance. The wood-glass ratio in the limb is balanced to drive heavy arrows longer distances with hard penetration.

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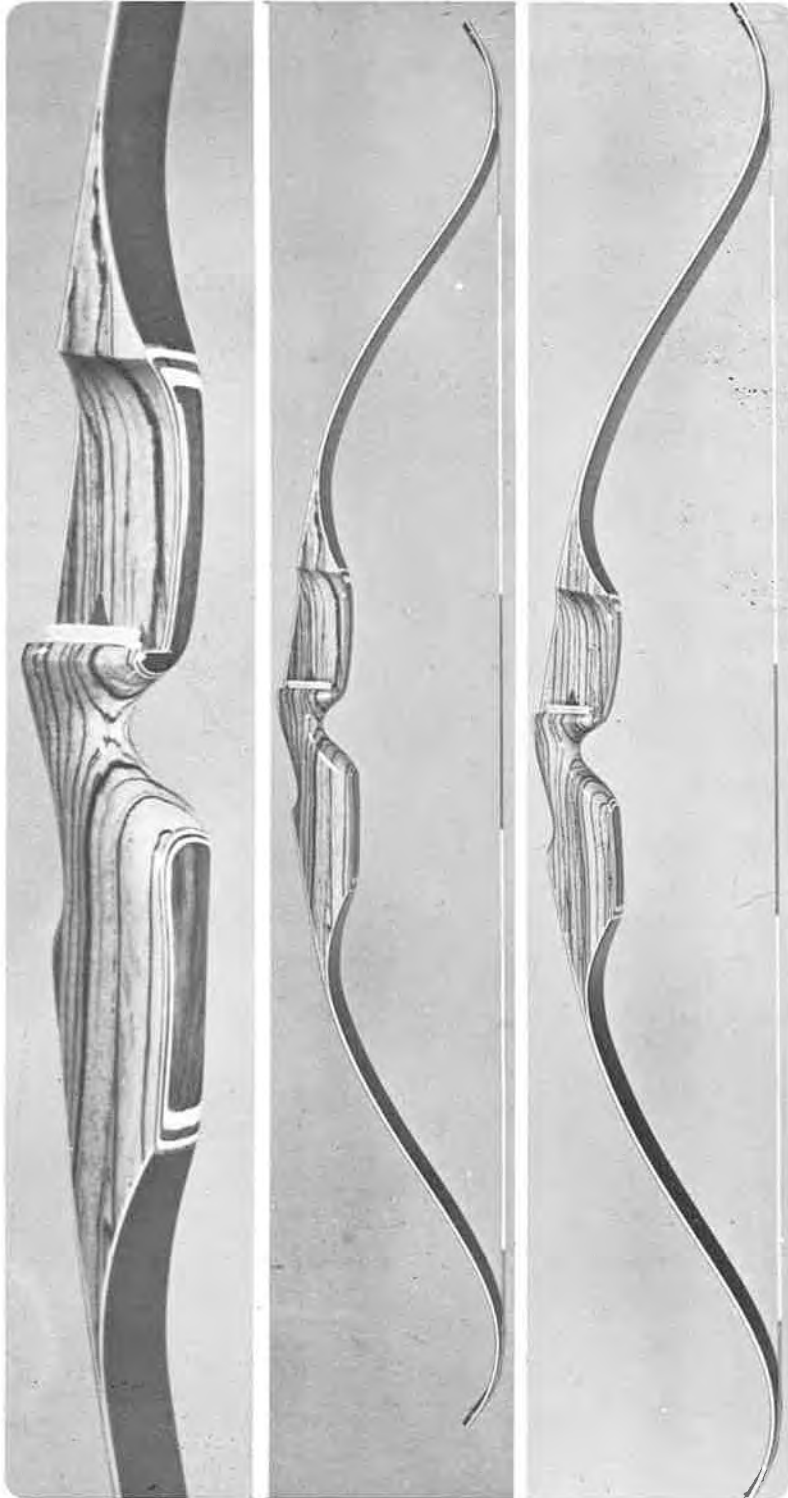
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This special limb casts a heavy arrow on a flat trajectory, so important for less elevation correction, or to compensate for misjudged distance. The wood-glass ratio in the limb is balanced to drive heavy arrows longer distances with hard penetration.

Tempest Hunting Models



\$99.50

LENGTHS 58" 60" 62"
WT. AT 28"
MASS WT. 1-1/2#

Popular Zebra wood styling with multiple overlays. Standard handle unless special ordered. Unusual speed, easy draw. Sight window cut deep enough to accommodate arrows of large diameter. Lifetime Guarantee. Bow case. Delivery 3-4 weeks.

The recognized performance of Staghorn hunting bows has been established to a great extent by the Tempests. In test after test, by shooting machine, flight shooting, penetration tests, and hand tests, comparison with other hunting bows shows the Tempests exceeding the best by a remarkable margin.

Comparisons have been made by us and by many challengers against shorter bows, higher priced bows, and often against heavier bows showing a decided Staghorn advantage. Even our lower priced Badger outperforms some popular hunting bows a few pounds heavier. Speed is important in a hunting bow — for penetration, and to compensate for misjudged distance.

Compared against our own models, the Tempests lead with the XP for speed and are higher performing than the Masters or Badgers. For those who are not as comfortable with a forward lean grip, the riser style of the Tempests offers a natural handle with reverse cut which some shooters prefer.

The popularity of the Tempest hunting bow is due to good looks, selection of lengths, comfortable handle, and the outstanding performance. Exceptional durability plus a lifetime guarantee leave nothing to be desired when purchasing a Staghorn bow.

Proper arrows complete the performance of your bow for the reason that balance between bow limb and the arrow is relative. As a golfer would get little distance using a ping pong ball, the energy from a very fast bow is not absorbed by an arrow too light. The importance of density and spine increases with heavier weight bows. We recommend arrows spined 5 lb. to 10 lb. heavier than draw weight for best performance.

We suggest 1" surgitube for camouflage since it may be purchased at any drug store and it fits snugly to the lines of the bow without any damage to the finish.

Our satisfaction with the quality and performance of Staghorn Bows is expressed by a Lifetime Guarantee.

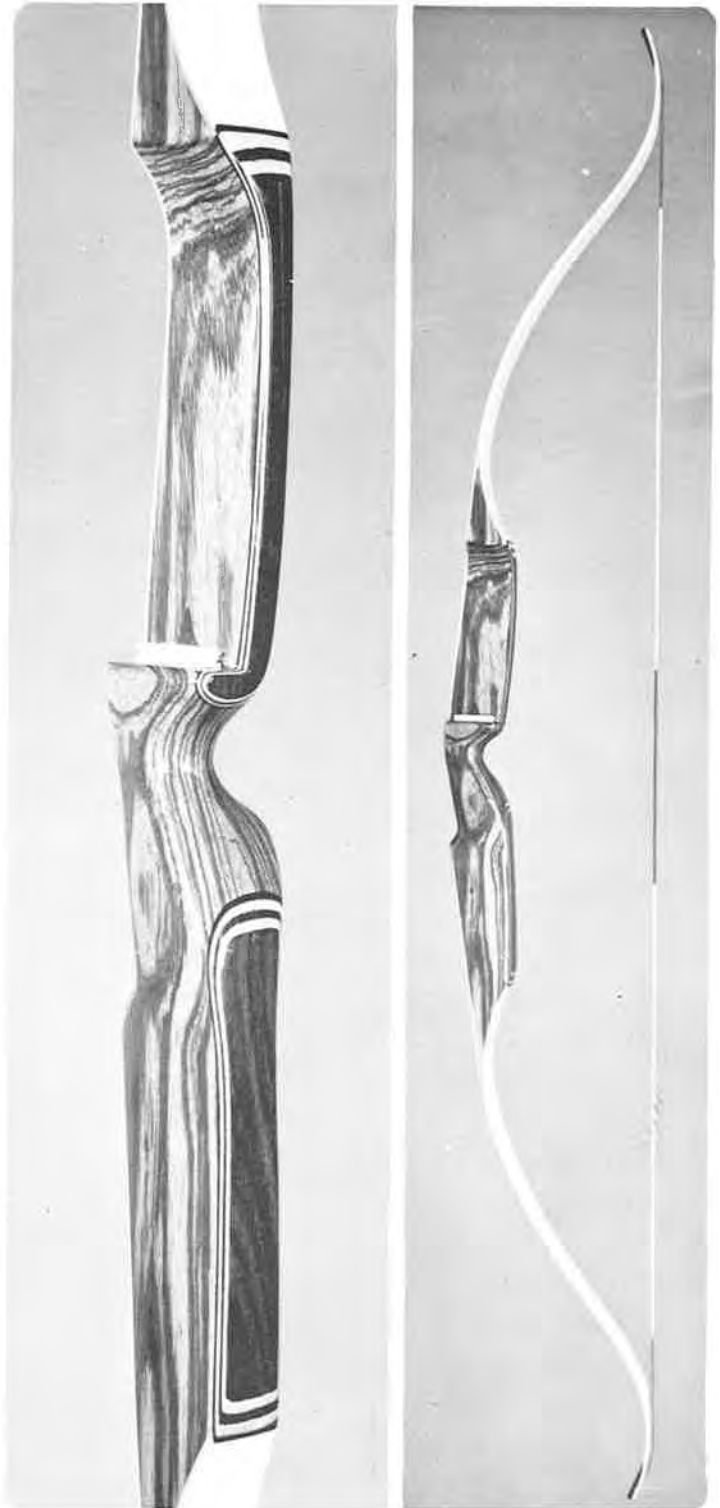
Tempest All Around Models

The Tempest is a classic all around bow for tournament, field or hunting. Zebra wood styling with multiple overlays. Limbs designed to handle light weight arrows to the heavier hunting arrows.

No need for a second hunting bow. Even longer models out distance most hunting bows of the same weight. Maximum performance closes the gap for hunting, minimizes up and down error when field shooting.

Each Tempest length is a different design to fulfill its functional purpose. We do not recommend the Tempest 64" and 67" lengths for beginners since they are extremely fast bows with long recurves and should be shot with a light hand.

Tempest models with Rosewood Riser



#99.50

LENGTHS 64" 67" 69"
WT. AT 28"
MASS WT. 2*

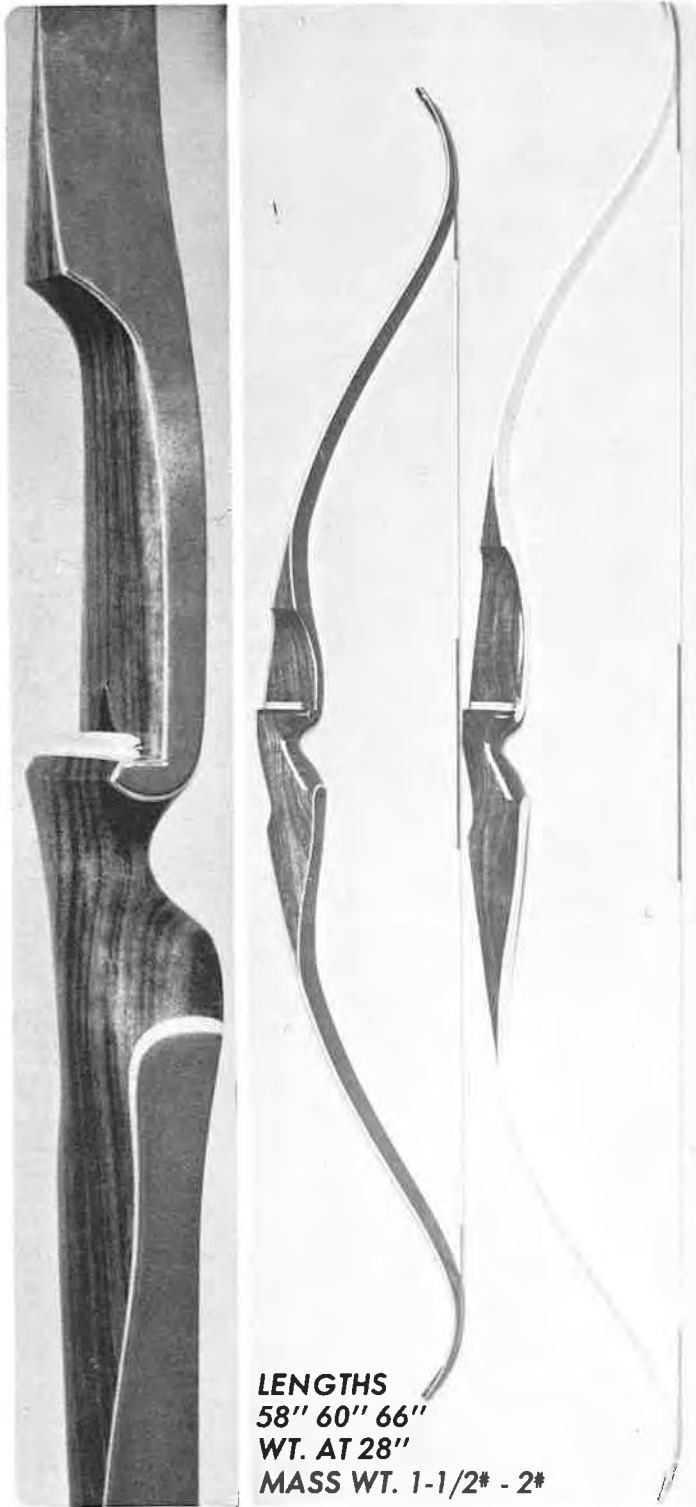
Give your bow the care and attention you would give any highly accurate and expensive piece of equipment.

It is your bow, but it is our product. Treat it with care.

Styles come, styles go, the continuing popularity of the Tempests increases. Modern design that is all performance. Zebra wood riser with overlays. Exceptionally fast models with good stability. Outperforms every bow compared against it. Made to order handle. Bow balanced for special release. Center cut to order. Channeled shelf; if desired, no charge. Glass colors, white or brown Dual-Wedge Limb available, \$25.00 extra charge. Sueded bow case. Full Guarantee. Three to four week delivery.

Masters

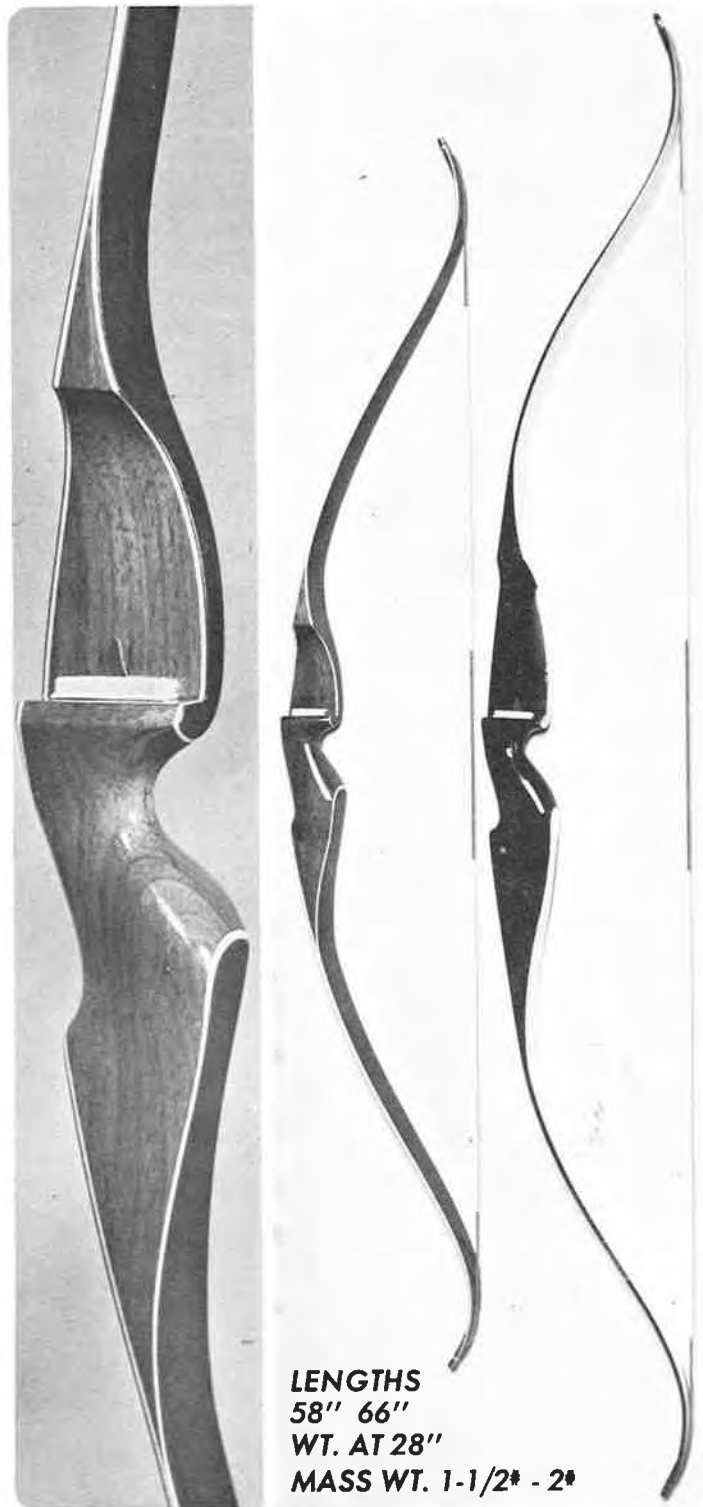
Badgers



LENGTHS
58" 60" 66"
WT. AT 28"
MASS WT. 1-1/2* - 2*

\$79.50

Excellent performance in a beautiful looking bow. Bengé riser, white, brown, or green glass. Full centercut, Standard handle with thumb rest. Mass weight about 2 lbs. Bow case included. Full Guarantee. Delivery three to four weeks. Handle small, medium, or large.



LENGTHS
58" 66"
WT. AT 28"
MASS WT. 1-1/2* - 2*

\$69.50

Staghorn quality in a modestly priced bow. Full dimensions, first quality materials, full guarantee. Modified performance for dependable stable shooting. Weights 25 lb. to 60 lb. Handle proportioned to weight. Mass weight under 2 lbs. Bow case included. Delivery three to four weeks. Vermillion Riser, Brown or White glass.

Ordering Information

MODEL — Order by Series and bow length. Generally, longer bow lengths are preferred when draw length is over 28".

WEIGHT — Staghorn Bows are rated at 28" and for draw weight only. Weight increases evenly at about 1 3/4 # per inch of draw. Draw length is measured to the outside edge of shelf.

HANDLE — Determined by wrist position at full draw. Elevated, level, dropped, full hand pressure. Submit outline of hand with pressure points indicated, angle of thumb and fingers, and open or closed grip. Information not required for Masters and Badgers.

RELEASE* — **STANDARD** — one finger above nock, two below. **GUNBARRELING** — three fingers under nock. **WALKING THE STRING** — varying finger position according to distance.

STRING NOCK — Nock position relative to arrow rest.

ARROWS — Length, size and type. Feathers or vanes.

ARROW REST — Type and height above shelf. Position forward or back of center.

SIGHT WINDOW — Depth may be cut to center, 1/8", 3/16", 1/4" past center. Height is maximum permitted by riser length.

DELIVERY — Specify required delivery date. Standard delivery three to four weeks except August-November.

Personal specifications will be carried out within the limits of durability and good taste.

*For smooth shooting and best performance, it is necessary to specially balance the bow for any release that moves the hand on the string away from a standard release.

Staghorn Specifically

With the high efficiency of Staghorn Bows, use over-spined arrows, factory recommended fistmele, and slightly heavier string for best performance.

For best groups, set arrow rest or striker plate at center or forward of center — never toward the inside.

For best arrow flight, nock the arrow 1/4" or 5/16" above level of arrow rest. We recommend arrows cut slightly longer than draw length.

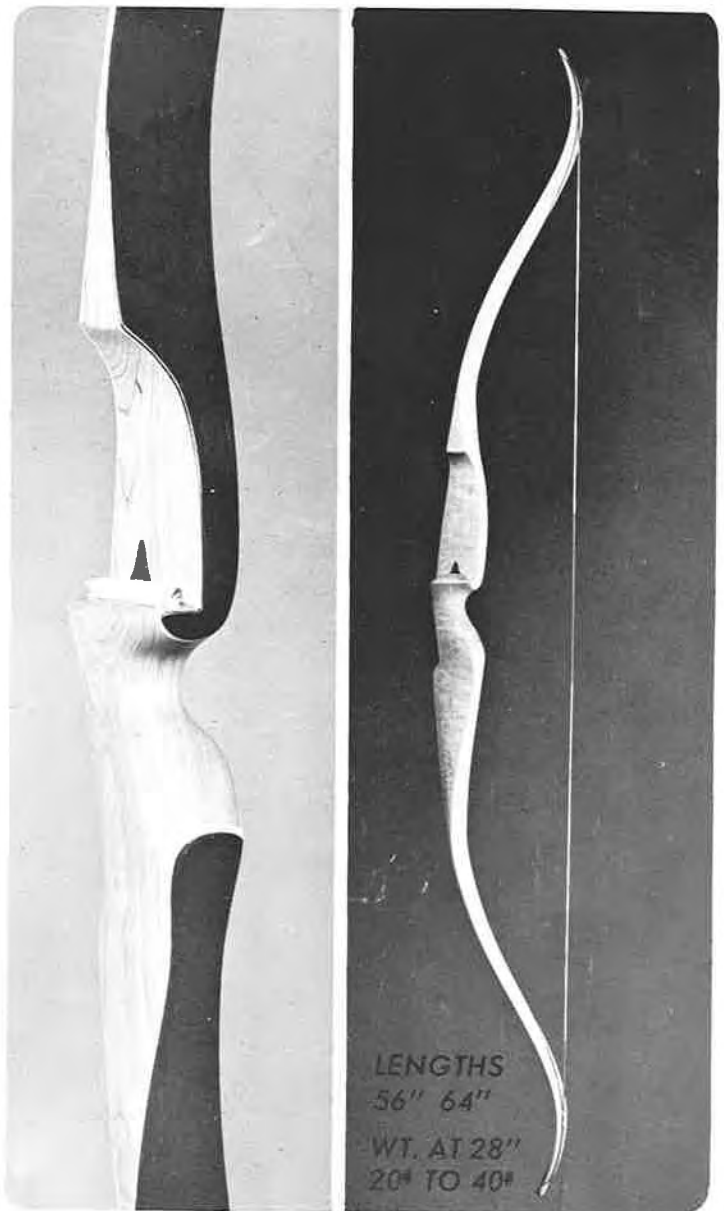
Staghorn makes twenty-three models in five series. Choose a length and model for your shooting interest and physical stature that will give you the most pleasure in shooting.

Staghorn Guarantee

From date bow is serial numbered. Staghorn bows are unconditionally guaranteed on workmanship and materials for a period of one year. After one year or in case of accident, maximum service charge is \$25.00. Transferrable. Service period unlimited. A Staghorn Guarantee never runs out.

We have never had a customer dissatisfied with our bow care or service charges.

Little Pro



\$45.00

Staghorn "Little Pro" for young archers who take the sport seriously. Top quality materials, deep sight window, modified recurve, standard bow nocks. In available light woods.

WHAT YOU SHOULD KNOW ABOUT ANY BOW.

Fiberglass is sensitive to heat, not cold. As temperature rises, limbs become increasingly limber resulting in loss of cast and tendency to twist. A bow is affected in temperatures above 60 degrees and has a maximum tolerance of 130 degrees. Avoid exposing your bow for prolonged periods of time to any intense heat.

LIMB ALIGNMENT — No reliable manufacturer produces bows with limbs out of alignment. You may find the limbs out of alignment if in shipping, the box was exposed to heat and some pressure, or, if the bow was displayed near a radiator or a window exposed to direct sunlight. Correcting the limbs is a simple procedure unless it is an unusually severe condition.

VISUAL CHECK — The most accurate visual method is to set the strung bow vertically on the floor in front of you using the tip on the floor as one pivot and placing the other tip on the chin as the other pivot. Rotate bow on these pivot points (be careful neither tip moves) 90 degrees to one side looking for an edge of lower bow nock. Bring back to center and rotate 90 degrees to opposite side and look for an equal amount on opposite side of lower bow nock. You can see as little as 1/32" out of alignment. Reverse bow and check other limb.

LIMB CORRECTION — Once it is determined that your limb is twisted, it is best to mark the direction of the twist with a small mark on the side of the limb at the tip of the bow. A small line made with a wick pen or ballpoint will do. The next step is to force the limb back gently into alignment by twisting the limb in the opposite direction of the twist. This is something that might have to be done several times before the limb is once again true. It is best to do this straightening before you start to shoot and when you are finished and store the bow. You will find by following the above procedure that the limbs are quite easy to keep in perfect alignment. In cases of extreme limb twist, the advice of the manufacturer is recommended.

Did you know that...

- heat is your bow's worst enemy
- keeping bow limbs in alignment as well as keeping arrows straight is the responsibility of the archer
- too high a fistmele can cause limb twist
- limb vibration is a product of balance, not imbalance
- changing your finger position on the string or your style of grip can put your bow out of balance
- the cut of the handle determines whether or not a bow will balance vertically in your hand
- arrow spine changes with draw length. A 35 lb. arrow will not necessarily shoot well from a 35 lb. bow if your draw length is longer or shorter than 28"
- bow tips are stressed in one direction, not the other. If you lean on a bow in vertical position, you could easily snap off a tip.

The Staghorn Story

Staghorn Bows are the product of three generations of bow making. From Belgium, many years ago, where difficult archery games taxed bowmakers ingenuity, through America's transition from casual shooting to competitive tournaments, to today's demand for highly developed equipment, bow making has been a challenge and an art in the Pyle family.

Since 1951 when the bows came under company name, Staghorn has produced only top line bows of quality, beauty, and maximum performance. The knowledge of forces, balance, and strength factors influencing their design and production has proved Staghorn Bows to be so durable that a lifetime guarantee is possible.

If you are considering a STAGHORN Bow
Write for:

1. Product information	3. Bow Technology
2. Customer Information	4. About Staghorn
	5. Description of models

Staghorn Bows available at selected archery shops. Outside these areas, write to the factory.

Staghorn International shipments through Pacific Air Freight from O'Hare International Airport, Chicago and in the United States and Canada by parcel post.

STAGHORN ARCHERY Merrill, Wisconsin 54452



TEL. 536-2664