

THE GOLFWORKS® GOLF CLUB REPAIR newsletter

ISSUE NO. 11

FALL, 1985

OPEN HOUSE HUGE SUCCESS

Every one of the nearly 1,000 people who attended the recent GolfWorks® Open House all agreed that it was a tremendous success, was very informative and was a lot of fun. From 9 a.m. until 7 p.m. on Saturday, June 8, golfers and club repairmen were treated to a full day of planned activities.



Regular tours of all GolfWorks® departments were available to all and most of our guests took advantage of this chance to see our many new changes, both in buildings and machinery. Golf club repair and fitting seminars were held at different times throughout the day. Participants were treated to very informative sessions by Ralph Maltby, Tom Wishon, Mark Wilson and Greg Johnson. Ralph Maltby gave two slide presentations during the day on fitting with each talk lasting two hours. Seminar attendees then were invited up to our driving range and fitting building where Tom Wishon gave a presentation on the actual "How To" of fitting golf clubs to individuals. Mark Wilson gave informative lectures on the use of our fitting computers, equipment and club repair while Greg Johnson held numerous product demonstrations on tools and machines that measure and alter golf clubs.

While everyone agreed the seminars made the day very valuable, the highlight was The GolfWorks® Bargain Barn. Thousands of leftover, overstock and unsold golf club repair items from grips to gauges to heads were drastically marked down and sold. Later in the afternoon, the leftovers in the Bargain Barn were auctioned off to the highest bidder which turned out to be a lot of fun. The Bargain Barn was the first place Open House attendees visited upon arrival and nobody left without finding something they could use.

GolfWorks® customers from as far away as North Carolina and the New England states attended and no one came away disappointed. Door prize drawings were held and over \$1,000 in gifts were awarded to 25 lucky participants. □

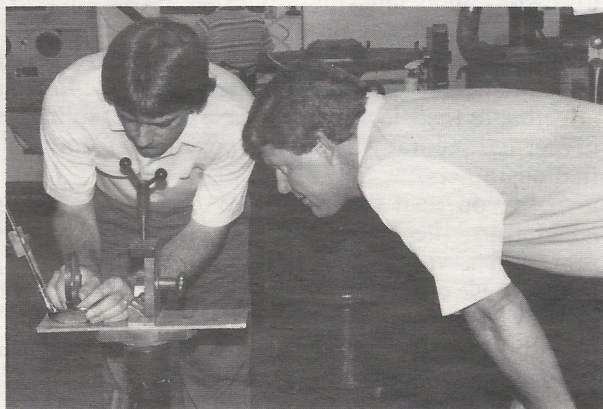
GOLFWORKS® BUSY DURING MUIRFIELD TOURNEY

One of the most respected events on the PGA Tour, the Memorial Tournament, held at nearby Muirfield Village Golf Course, brings a select field each year. Taking advantage of The GolfWorks® repair and alteration technology this year were U.S. Open and PGA champion David Graham, recent Westchester and World Series of Golf winner Roger Maltbie (no relation!) and last year's Memorial runner-up, Andy Bean.



Roger Maltbie tries his hand at rolling the leading edge on an iron.

Each of the players came in for fine tuning and changing of their equipment prior to Thursday's opening round. Bean's driver was reshafted with a Dynamic Gold X-500 shaft, and a special regrind was performed on his old sand wedge. Graham and Maltbie both had loft and lie changes performed on their irons and putters. It looks like Roger's worked right away as evidenced by his playoff win over Ray Floyd and George Burns in a spectacular win at Westchester. □



GolfWorks' Tom Wishon & Andy Bean do a loft and lie alteration on Andy's wedge.

INFORMATION UPDATE

SHAFT BANDS NOW FREE WITH SHAFT

A new policy which goes into effect September 1, 1985 will include one shaft band free with each shaft purchased from The GolfWorks®. We will continue to make additional shaft labels available for the same price. This new policy is in response to requests from many of our customers, and we are happy to offer it as another convenient service from The GolfWorks®. □

INFORMATION SURVEY

We'd like to thank all of you who responded by completing and sending back the first GolfWorks® Survey. This information request was included in the *Spring Newsletter* and was conceived in an effort to allow us to listen to you, the customers' needs and requests.

After initially evaluating some of the early returns, we are sure that this information will help us to serve your club repair and assembly needs better and more efficiently. □

BIO-MECH™ IRON UPDATE

The GolfWorks® Iron Department has been overwhelmed by the success and popularity of the brand new Bio-Mech™ irons. Cast Bio-Mech™ heads arrived from our foundry on time in April, but the unpredicted heavy early demand immediately placed these clubs on back order.

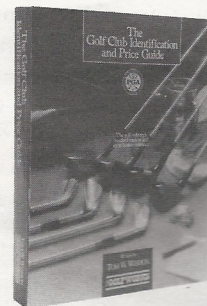
A tremendous overtime effort is being made on behalf of The GolfWorks® iron department to meet the demand for our most playable head ever. We are catching up with the Bio-Mech™ demand and they are scheduled to be in stock shortly.

If you haven't tried this incredibly easy-to-hit iron, you simply must hit the club to see the effects of the true perimeter shell weighting, The GolfWorks® exclusive Roll-Sole design, the progressive offset and the slightly toe-favored center of gravity. Letters attesting to the Bio-Mech's™ ease of play, solidness of feel and accuracy have been pouring in from satisfied customers.

As you read in The GolfWorks® 1985 *Spring Newsletter*, the broad or wider style hollow irons represent a very playable design which definitely makes these clubs more solid and easier to hit. If you or your customers have fought the long irons, try the new Bio-Mech™ and you'll see what many club repair and assemblers are just finding out about this new design from The GolfWorks®. □

NEW IDENTIFICATION GUIDE BECOMES INDUSTRY REFERENCE

Our latest book, *The Golf Club Identification and Price Guide* by Tom Wishon, is being received with great success by the entire golf industry. Golf club repair shops, pro shops and the major manufacturers alike are benefiting from the tremendous amount of previously unavailable information that is contained within this volume.



NEW INDUSTRY REFERENCE

The PGA of America has thrown their full support behind this book and is promoting its use among all of their members and apprentices.

The new *Golf Club Identification and Price Guide* contains over 6,000 separate listings, descriptions and more than 500 photographs of golf clubs manufactured since 1950, the beginning of golf's modern era. Of particular interest to all who have purchased *The Guide* are the histories of each of the more than 40 different manufacturers included. Even more helpful to many club repairmen are the additional information sections which note grip styles and even shaft patterns used each year by the companies. This book is for anyone who appreciates equipment and a must for anyone who works with or sells golf clubs.

To order, just call The GolfWorks® toll free lines and tell them you would like a copy of *The Guide*, catalog code — GCID — price \$16.90 each.

PGA MAGAZINE TO BEGIN COLUMN

Beginning in the September issue of *PGA Magazine*, Tom Wishon of The GolfWorks® will be authoring a regular monthly column. The column will be entitled "Club Links" and will be based on interesting information on old and new golf clubs uncovered during Tom's research performed during his writing of The GolfWorks® latest book, *The Golf Club Identification and Price Guide*.

Interesting and little known information will be featured in this column with the topics covering information on golf clubs such as Classic Clubs of the Future, the evolution of various golf clubs, unusual clubs, and a series on the all-time most popular clubs. Contact *PGA Magazine* at PGA headquarters for subscription information:

PGA Magazine
100 Avenue of Champions
P.O. Box 12458, Dept. 07
Palm Beach Gardens, Florida 33410

INFORMATION UPDATE

HERO BECOMES HERO

Ralph Maltby outlined the specifications for a new easy-to-hit driver in the new Fitting Corner section of our Spring Newsletter. The Hero Driver, the result of this very positive combination of specifications has been a tremendous sales success. Also, as was expected, the Hero Driver is making heroes out of the club repair shops who have fit their customers using this club as a fitting aid or fit them directly into the Hero Driver as is.

Players who previously struggled with a driver have suddenly discovered a new "weapon" with the Hero. Again, what The GolfWorks® has accomplished with the Hero Driver is a grouping together of specifications which are all aimed at making the driver easy to hit:

- ½" shorter in length for more solid impact, which can result in longer shots for players suffering from off-center impact problems.
- 0 degree face angle to combat open face angle and slicing problems.
- 11 degree loft, which when coupled with the 0 degree face angle gives an easy-to-hit effective loft of 2 degrees more than a standard 2 degree open face driver.
- TT Lite or UCV-304 lightweight shafts for lighter total weight.
- Swingweight D-4, a ratio of weight which is NOT heavy due to the ½" shorter club length.
- Slightly oversize grip especially under the right hand to eliminate re-gripping during the swing and to maintain more positive face alignment at impact for better directional control.

Hero Drivers are available from The GolfWorks® as heads only or as a completely assembled club.

Hero Driver head only **RMHERO \$17.00**
(Pro-finished in black, red insert, .294 bore)

Assembled Hero Driver **ARMHERO \$38.00**
(TT Lite shaft, Victory grip, black finish)

"I'm in the golf repair business and have played a 3 wood off the tee for 10 years - tried everything to hit the driver. I used my new Hero Wood in a practice round for our member-member golf tournament. I was consistently 230-240 yards straight down the middle. I ended up selling two of the members of my foursome a Hero Driver and had a total of four orders before the day was over.

You've made a believer of me."

W.C. - North Carolina

golf history

....and Trivia

The following is taken from The Golfer's Handbook, Edinburgh, Scotland. The handbook was first published in 1893 and was updated yearly thereafter.

On the subject of wagering on the golf course . . .

"A match was arranged at Westward Ho! links for a considerable amount of money between a scratch player and a high-handicap man, the play to be even, with the scratch man to drink a whiskey and soda on each tee. On the 16th tee, the scratch man, who had a one hole lead, collapsed, and was not very well for some time after."

And, on the lighter side . . .

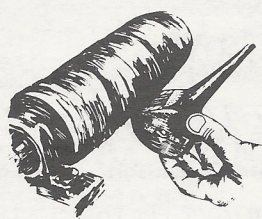
"On 6th July 1938, Mr. N. Bathie, playing on Downfield, Dundee, was about to hit an iron shot when the ball was suddenly whisked away. Then the player was spun completely round. He had been caught in the fringe of a whirlwind. The whirlwind then uprooted a wooden shelter 60 feet into the air and burst it into smithereens on the 11th green. A haystack was also uprooted and a tree razed. The rules committee met and after discussion decided to allow Mr. Bathie to replay the shot."

And for that split second of impact . . .

"At Geelong Course, near Melbourne, Australia while Mr. F. D. Walter was driving off, the strap on his wrist watch broke. The watch fell on top of the ball at the exact moment of impact. The player picked up the watch unbroken forty yards down the fairway."

And finally . . .

"At the Middleton, County Cork, in 1922, a member of the club, Mr. McEvoy, drove from the third tee, the ball entering the ear of a donkey on the links. The donkey stood completely still, but as the players were within a few yards of the animal he took to his heels, tossed his head, and the ball came spinning to the ground. As the beast's gait had taken him closer to the hole, Mr. McEvoy was requested to replace the ball to the vicinity of the mule's location before playing on to the green."



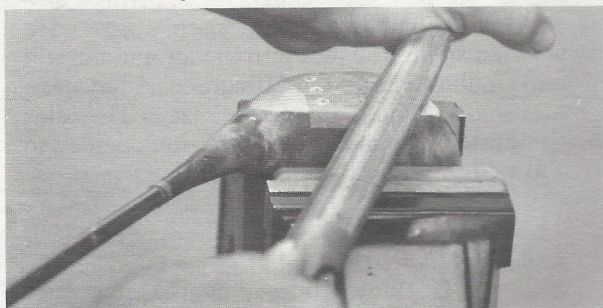
TIPS, TOOLS & TECHNIQUES



FACE ANGLE CHANGES ON WOODS

The GolfWorks® Repair Department is often called upon to make changes in the face angle (hook, square, open) of an existing wood as part of a routine alteration to re-fit a particular wood to a player. If you offer the same repairs, we recommend that you learn each of these three different ways to alter face angle of woods. Many times you will need to call upon 2 or even all three of these methods to achieve the amount of change that may be desired.

1. Re-Facing by File — The most common method of changing the face angle of a wood is to file the face. By filing more material off the toe portion of the wood, the face angle is opened; and filing more off the heel part of the face results in a closed or hooked face angle. Changes such as these should be made without altering the proper loft, roll and bulge. Be-



To open face angle

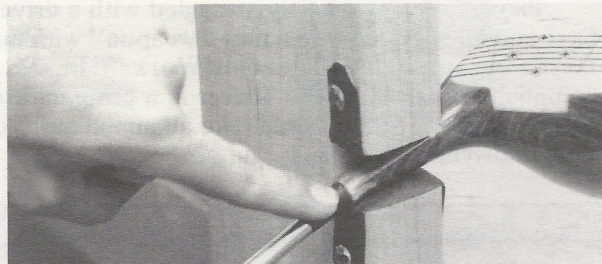


To close face angle

cause material is being removed from the face, the insert may become thinner on one side depending on the direction of filing. While this does not affect playability of the club, some golfers will react unfavorably at seeing an unsymmetrical look at the top of the insert.

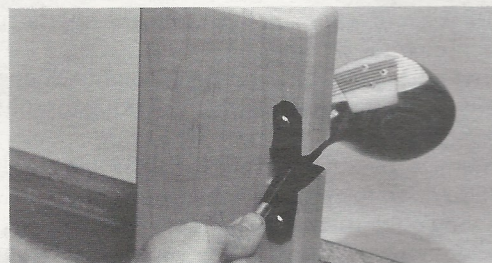
2. Bending the Shaft at the Neck — Originally used by old clubmaking firms to correct boring errors, today this method is seen as a viable alternative for making face angle alterations on woods. Using a

shaft bending block (GolfWorks® Item Code SSB-\$9.50 ea.) that has been secured to your bench, exert slight bend pressure precisely at the junction of the top of the wood hosel and the bottom of the plastic ferrule.



Precise pressure point

To open the face, place the club into the notch of the bending block so the line between the ferrule and top of the hosel is exactly on the lower front edge of the notch. Turn the head so the face points straight up and, exerting downward pressure, bend the shaft DOWN.



To open face angle

To close face angle, just turn the head around so the face points down at your bench top and again bend the shaft DOWN.

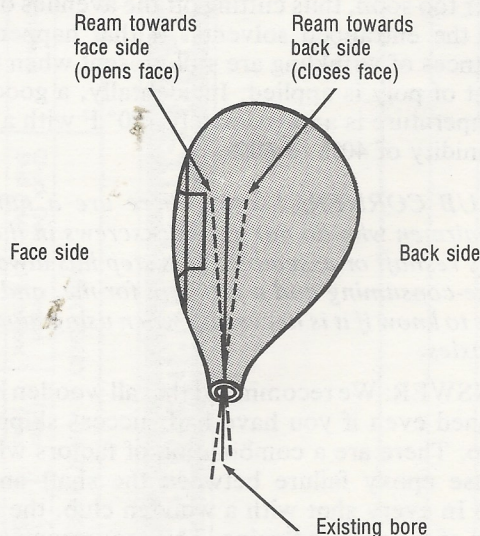


To close face angle

Understand that as long as the shaft is not kinked and the shaft remains relatively in line with the taper of the hosel, that this is a perfectly acceptable method of changing face angle. **CAUTION:** Do NOT try to bend graphite shafts or any of the following: UCV-304, True Temper Extralite, Brunslite, Powerflex or Swingrite.

TIPS, TOOLS & TECHNIQUES *(continued)*

3. Re-Reaming the hosel — If one of the other repairs to be performed on the wood include removal of the head from the shaft, you may re-ream the hosel to change face angle. Prior to installation of the shaft, use the proper size drill bits or reamer to slightly enlarge the bore towards the back side to close the face, or toward the face side of the bore to open the face. Use of a shim during shaft installation may be necessary to insure that the shaft seats itself on the proper side of the oveled out bore.



Remember that the professional repair shop looks at each face angle alteration separately and makes an evaluation to determine which of the above methods is appropriate. For example: If a driver comes into your shop for a reshaft with a Dynamic® pattern shaft and a requested change from 3 degrees open face to a square face (0), use method 2 by itself or use a combination of methods 2 and 3.

EASY FILLER CLEANUP

Let's face it. All refinishers know there are many time-consuming steps in performing a refinish. One of those is the tedious task of removing filler that gets stuck in the scoring lines of a wood. Right after wiping the filler from the head, use a stiff bristle brush to quickly whisk across the face in the direction of the scoring lines. The bristles will dig out that wet filler and save you a bit more time on refinishing. We recommend that you acquire two brushes, one for natural fillers and the other for black or less intense black filler. The GolfWorks® Stiff Bristle Brush is code GBR \$1.40 Each

DECAL TIP

Proper decal technique is to blot the decal wet instead of dunking it in water. To do this: wet a paper towel, lay it on your bench and place the decal flat on the wet towel with the printed side up. A handy tip to prevent the curling of the decal during wetting is to sit a small drinking glass on top of the decal. This eliminates the aggravation of holding the decal down until it wets. Note the new decals offered in this Newsletter.

HANDY SWINGWEIGHT CHART

Experienced club repairmen usually learn by trial and error just how large of a hole of lead will equal what number of swingweights when altering the weight of woods. Here's a handy chart that can eliminate the guesswork and speed up your swingweight changes on wood heads.

Hole Size		Swingweight Equivalent	
Dia.	Depth	Wt. Oz.	(.07 oz = 1 SW)
3/16"	1/2"	.09	1.25
1/4"	1/2"	.16	2.25
5/16"	1/2"	.25	3.55
3/8"	1/2"	.36	5.10
7/16"	1/2"	.50	7.00
1/2"	1/2"	.64	9.20
5/8"	1/2"	1.00	14.25

WOOD HEAD BUFFING TIP

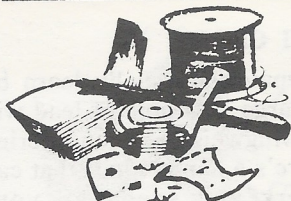
Experienced refinishers know that they just cannot do without their unstitched buffing wheels and Glanz Wach bar when it comes to delivering a consistently high quality finish. Any small runs or flaws can be corrected simply by hand sanding the affected area with 400 grit sandpaper, then followed by steel wooling with 000 grade and buffing on the unstitched wheels. Try this tip for even better Glanz Wach buffing results: Attach 2 more unstitched buffing wheels onto your arbor which are to remain untouched by the Glanz Wach bar. After buffing back the shine on the waxed half of your wheels, then buff to an even deeper gloss with the clean, soft wheels. This step removes the slight wax residue left from Glanz buffing and is how we do our buffing here at The GolfWorks®

WHIPPING ON GOLFWORKS® METAL WOODS

To make the GolfWorks® Stainless Steel Metal woods (RM571) look even better, why not finish off the hosel by applying string whipping? To make the job look professional, during the shaft installation step, cut an F110W plastic ferrule to half its length. Discard the bottom half and use the top portion for the ferrule. Shortening the ferrule not only makes your filing easier, but it looks better than trying to use the full 1" original ferrule length.

IRON HEAD PINNING TRICK

Have you ever installed a rivet through the hosel of an iron and found that the 3/32" size was too small, but the 1/8" was too large? We do not recommend enlarging the hole, but rather, we use this trick to make the smaller 3/32" rivet fit properly. Tap the smaller rivet through the hosel so that one end of the rivet just comes through the other side. Using a small hammer, bend the long end of the rivet sticking out from the side of the hosel. The curve in the rivet will bind against the hosel holes and help lock the pin in place. Finish by cutting off the excess rivet so that a small amount protrudes from each side of the hosel. Use a ball peen hammer to mushroom out the excess rivet over the hole and scrape or gently file off the rivet flush to the side of the hosel. Remember: be sure to bend the rivet to keep it secure in the hosel.



CLUB REPAIR CORNER

Here, in The Club Repair Corner we hope to share some of our knowledge with you in an effort to make each of you a better repairman, or possibly just to understand golf clubs better. We welcome all questions and urge you to take the time to write to us with your questions concerning any aspect of golf club repair or assembly.

Please write to:

The GolfWorks®
Club Repair Corner
P.O. Box 3008
Newark, OH 43055

CLUB CORNER: During my refinishing of woods, I am having a hard time with some of the decals I am placing on the crown. After dipping, I am seeing a "shadowing" or a "greying" of the decal. It looks like there is air under the decal but I am pressing them down after application. Am I doing something wrong?

ANSWER: The adhesive that holds a water transfer decal on the club head surface is on the decal paper and not really on the decal itself. Therefore, do not immerse any of your water transfer decals completely under water or you can wash the adhesive away. Rather, fold a paper towel, wet it and lay it on your bench. Place the decal on the wet towel, printed side up and blot the decal wet. When the decal begins to move, it is time to install it on the head. This wet blotting of the decal prevents the washing away of the adhesive and should solve the problem.

CLUB CORNER: I'm confused. I have been using parallel tip unitized shafts for years and just recently I heard that the words "parallel" and "unitized" mean different things. Is that true?

ANSWER: The word "parallel," when used to describe a shaft, means that from the tip to the first step down the shaft has one constant diameter. However, the word "unitized" was used to describe the fact that one raw shaft length could be installed in any wood club and also one raw shaft length could be used in any iron club. This is unlike the case for tapered shafts, where a different shaft length must be used for each wood or iron head. Until the introduction of True-Temper's parallel tip version of their flex flow shaft, all parallel tip shafts were also unitized. This newest True-Temper offering is not unitized in its parallel tip form, since a different shaft is required for each head.

CLUB CORNER: I have just built a small drying box for my refinishes and am confused about something. I have heard that you are not supposed to put the clubs in the heat immediately after dipping, but that

you're supposed to let them sit at room temperature for a while before they are placed in the dry box. Is this true? And if so, why?

ANSWER: After dipping or spraying a head with moisture cure type polyurethanes (GolfWorks® brand poly), the club should remain at room temperature for about 30 minutes before being placed in the heated drying box. This is called the "flash-off" period and is necessary for flashing off the heavy initial concentration of solvents entrapped in the poly. If you place the club in the heat too soon, the heat will cure the outer surface first and make it skim over too soon, thus cutting off the avenues of escape for the entrapped solvents. If that happens, your chances of wrinkling are still present when the next coat of poly is applied. Incidentally, a good drying temperature is approximately 100° F with a relative humidity of 40% to 60%.

CLUB CORNER: I know there are a number of repairmen who do not use backscrews in the woods they reshaft or assemble. This step has always been time-consuming and a problem for me, and I would like to know if it is necessary when using modern day epoxies.

ANSWER: We recommend that all wooden heads be pinned even if you have had success skipping this step. There are a combination of factors which can cause epoxy failure between the shaft and head: (1.) In every shot with a wooden club, the top portion of the neck is flexing. This movement can eventually break the epoxy bond. (2.) Wooden heads are susceptible to moisture, and moisture causes swelling and shrinking of the wood, not only around the insert and soleplate as is commonly seen, but also around the shaft which is not easily seen and is harder to detect. This movement will eventually break the shaft-to-head bond. For these reasons we always recommend pinning your wooden heads. It is a measure of added safety. You might then ask why don't we pin irons, and the reason is because neither of the above 2 occurrences happen on an iron. It is important, however, to be sure the shaft tip is roughed adequately, the hosel is clean and free of dirt and oil, and the proper type of epoxy is properly mixed.

CLUB CORNER: I'm worried that the steel wool is leaving a residue that might affect my polyurethane. What can I do?

ANSWER: You could be right. Fine grade steel wools such as 000 grade are coated with oil to prevent rusting and increase their shelf life. During steel wooling, this oil will be coated on the club head. To overcome any possibility of poor intercoat adhesion due to the oil, just give your clubs a wipe with a cloth dampened with either VMP Naptha or Per-chlorethylene (GolfWorks® grip solvent). Be sure to give the solvents time to evaporate themselves before dipping or spraying. As an alternative to this method, you may wish to wash the oil out of the quantity of steel wool you will be using. An old coffee tin and the solvents listed above will handle this nicely.

NEW PRODUCTS

CALL TOLL FREE 1-800-848-8358 (OHIO CUSTOMERS 1-800-762-1831)

NEW PRODUCTS

NEW DECALS OFFERED!!

The GolfWorks® is trying to keep repair shops up-to-date by supplying the latest in materials to perform alterations and repairs properly. Below are new decal introductions not shown in our 1985 full line catalog.

All decals are available in dozens only. Decal price **\$.80 Dozen**

HEEL — TOE BALANCE 40a	Hogan 40b
<i>Citation</i> 40c	<i>PERMA Seal</i> 40d
Maxfli 40e	

NEW DARK RED ORIGINAL FIBER INSERTS

The GolfWorks® has just purchased a limited supply of dark red colored, original fiber inserts. This insert is a darker red than the current brick red or maroonish color style that we currently stock. This insert works perfectly in many of the MacGregor and Spalding woods that were originally made with a very dark red fiber insert. We only have a limited supply of these pre-cut inserts with 5 degree angle sides, so be sure to order your supply now. Remember, this is the golf repair industry's only source of dark red original type fiber face inserts!!

FIBRR \$.50 Each
12 or more \$.45 Each



NEW PUTTER GRIP AVAILABLE

Now, in stock and ready for shipment is this wide paddle style putter grip in Sandalwood Tan from Tacki-Mac. Veteran club repair shops will recognize this grip as the same exact grip used for years by Acushnet on some of their putters. So, this new paddle putter grip can be used as a replacement for those Titleist putters as well as for any customer who desires a very wide paddle feel.

Available in men's .580 core.

PPS58 \$1.05 Each



NEW GOLFWORKS® PRIMER VARNISH

The GolfWorks® has completed testing on a brand new primer which we are now happy to offer to improve adhesion and eliminate brass tarnishing when using the Water Reducible Club Coating (WRCC). This new GolfWorks® Primer Varnish is intended to be used in place of the Primer Sealer when using the Water Reducible finish.

Early users of the WRCC are aware of the fact that brass surfaces can tarnish from the effects of the Water Reducible penetrating through the standard Primer Sealer. This new base coating will eliminate all such problems and will be a welcome addition to current and new users of the WRCC.

For proper application, be sure the club head is detailed properly and is clean of surface dust. Spray on one medium coat of The GolfWorks® Primer Varnish and follow these drying instructions.



ROOM TEMPERATURE DRYING:

- Your shop must be at least 65°F.
- Dry for at least 12 hours before proceeding.

FORCE DRYING:

- At 100°F. and 40% to 60% relative humidity.
- Dry for 30 minutes at room temperature and then for 5 hours at the elevated temperature conditions before proceeding.

IMPORTANT NOTE: The new GolfWorks® Primer Varnish is compatible with both the Water Reducible and The GolfWorks® Moisture Cure Dipping Polyurethane (GWDP).

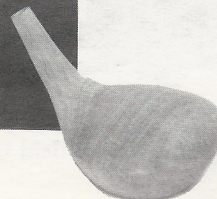
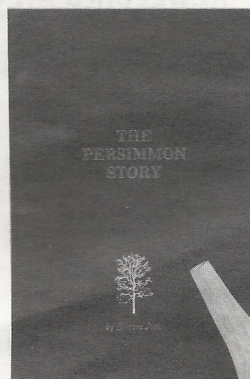
16 oz. aerosol can **GWPV \$5.50**

THE PERSIMMON STORY

BY ELMORE JUST

Many of us are not able to look at that almost mysterious raw material, persimmon, the same way that a hardwood expert might. This fascinating short book, **The Persimmon Story**, takes a look at this member of the ebony family and reveals how the wood makes its trip from the "tree to the tee." All of the steps of processing the persimmon trees from logs, through de-barking, evaluation, sawing, drying and finally turning are uncovered. The book also discusses the various grain structures of persimmon woods and offers an explanation of head densities, a factor which relates to the durability of the club head. For anyone interested in better understanding persimmon wood, this book will make fascinating reading.

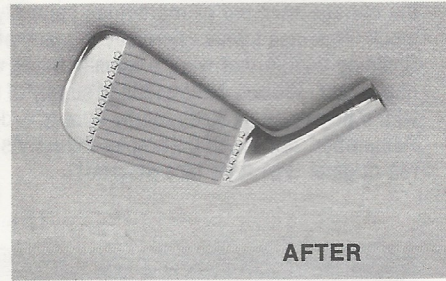
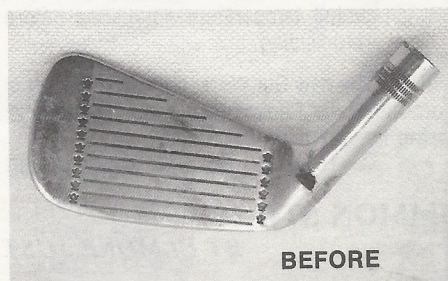
TPSB \$6.95 Each



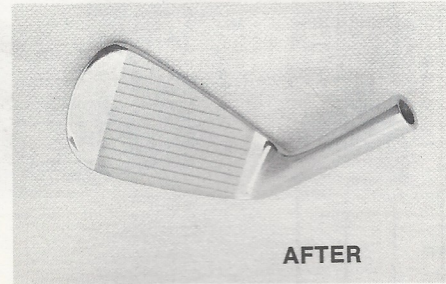
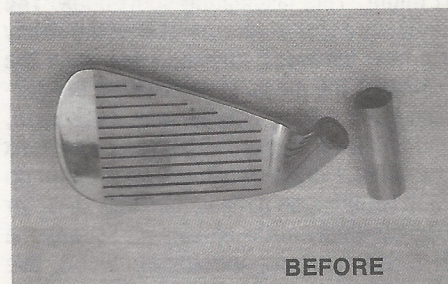
SEASON'S END REPAIR SERVICES

Act now and avoid the rush! Before you store away your tired-looking golf clubs, send them to us . . . We can provide new life for those nicked and battered irons and woods.

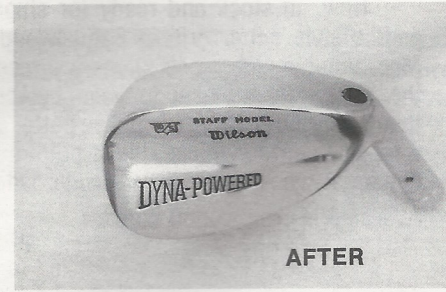
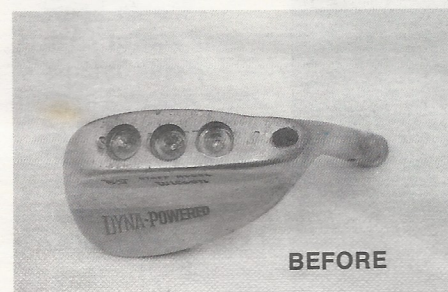
Complete iron refurbishing for as little as \$7.50 a club, and our high quality wood repair will astound you.



REPAIRING A HOSEL CRACK



REWELDING AN OLD HOSEL OR PUTTING ON A NEW HOSEL



FILLING IN HOLES AND LARGE NICKS

CUSTOM GOLF CLUB REPAIR & ALTERATION SERVICES

RECHROMING & REFINISHING IRONS

COMPLETE REFINISHING OF YOUR OLD, NICKED AND BATTERED IRONS

We refinish irons to their original, new from the factory look! Send us your stainless steel or chrome plated irons — we do both! Most first time customers are amazed at the results of our refinishing as evidenced by the hundreds of complimentary letters we have received.

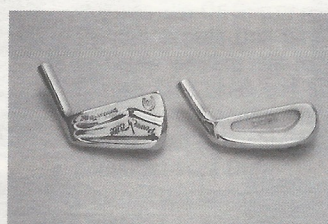
STAINLESS STEEL IRONS

Here is what we do:

1. Complete nick removal and buffing.
2. New sandblasting on face.
3. All engravings are paintfilled.
4. Ferrules are buffed to original lustre.



Before Stainless



After Stainless

Your Wholesale Cost
\$7.50 Per Club
Suggested Retail
\$11.00 Per Club

CHROME-PLATED IRONS

Here is what we do:

1. Remove head from shaft.
2. Strip off old chrome.
3. Remove nicks and buff.
4. Chrome plate and sandblast face.
5. Reinstall head on shaft.
6. All engravings are paintfilled.
7. Ferrules are buffed to original lustre.



Before Chrome



After Chrome

Your Wholesale Cost
\$10.00 Per Club
Suggested Retail
\$14.00 Per Club
If you remove and
install head on shaft
\$7.25 Per Club
Suggested Retail
\$11.00 Per Club
Satin Chrome Finish —
Add **\$1.00 Per Club**

Collectors and Restorers: We specialize in older clubs. You simply will not believe the results!

Golf Professionals: Offer this service to your customers or send us your trade-ins to make them more valuable and saleable.

Repair Shops: Now you can offer your customers complete iron

refinishing.

Golfers: Don't be embarrassed by playing with old beat-up, nicked clubs. Send them to us for complete refinishing and your set will be like new.

ADDITIONAL REPAIRS/OPTIONS AVAILABLE

SPECIAL PRICES BELOW APPLY ONLY IN CONJUNCTION WITH RECHROMING/REFINISHING

RESHAFTING

	Add Per Club
• Dynamic, TT Lite, ProFit, Jet Step	\$8.50
• NDIS	\$9.50
• Microtaper	\$9.50
• Contour	\$10.00
• Dynamic Gold™	\$10.50
• Northwestern Power-Kick	\$15.50
• Precision Shaft (specify length & flex)	\$16.50
• Precision FW Featherweight Shaft	\$19.50
• True Temper Flex Flow	\$10.50

REGRIPPING (Specify Size)

• Any Rubber	\$3.00
• Cord Style	\$4.50
• Slip-On Leather	\$6.00
• Neumann Leather Wrap	\$8.50
• Custom Shape Leather Putter Grip (paddle, pro-only)	\$11.00

REAM HOSEL BORE

• .300", .355", .370" (Specify Size)	\$2.00
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SPECIAL GRINDING

• To Gram Weight	\$3.50
• To Any Shape	\$2.50

(Please Specify Weight or Shape)

WELDING

	Add Per Club
• Hosel Cracks, Holes too Large to Grind Out	\$11.00
• Additional Build-Up	\$11.00
• New Hosel (Specify Bore)	\$17.50

STAMPING/ETCHING

• Deepen Face Lines	\$4.50
• Restamp Sole on R-20, R-30, R-90 Wedges Only	\$4.00
• Stamp 1/8" High Initials (Max. of 3 Letters) Specify Location	\$4.00
• Electro-Etch Names (Specify Location)	\$4.00
Set of 8 or More Clubs	\$3.25

GENERAL REPAIRS

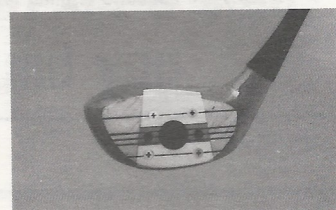
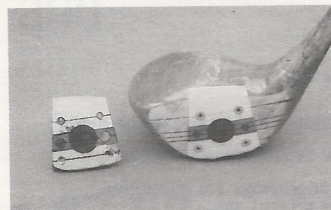
• Loft and Lie	\$2.00
• Replace Ferrules	\$7.75
• Change Swingweight (Not Available on Heads Only)	\$2.50
• Drill Out Broken Shaft Tip	\$6.00

Take time to write your instructions when sending
in repairs!

CUSTOM GOLF CLUB REPAIR & ALTERATION SERVICES

WOOD AND IRON CLUB REPAIRS AND ALTERATIONS

The GolfWorks® is recognized as the leading authority in golf club repairs and alterations. Send us your golf clubs and you'll be amazed at the difference GolfWorks® quality repair work will make. We rely on the finest in repair skills, machinery and technology to provide the highest quality available today.



WOOD CLUB REPAIRS AND ALTERATIONS

REFINISHING

- Wood Clubs
- NOTE:** In some cases to refinish the wood properly the soleplate and insert must be removed and reset. A \$6.00 additional charge will be added.
- Stainless Metal Woods*
- Metal/Wood Combination Head*

*We **DO NOT** accept painted Metal Woods for refinishing.

RESHAFTING

NOTE: All reshafting includes any rubber grip or Tacki-Mac grip listed in our catalog. Specify flex, finished length and swingweight.

	Your Wholesale Cost	Suggested Retail
• Wood Clubs	\$12.00	\$17.50
• Stainless Metal Woods*	\$12.00	\$17.50
• Metal/Wood Combination Head*	\$14.00	\$20.00
• Dynamic, Pro-Fit, Jet Step, TT Lite	\$14.00	\$20.00
• Aldila Velocitor Graphite (S,R,L)	\$44.00	\$65.00
• Brunslite	\$27.00	\$33.00
• Contour	\$16.00	\$22.00
• Dynamic Gold™	\$16.50	\$23.00
• Extralite	\$19.00	\$25.00
• Grafalloy Graphite	\$39.00	\$60.00
• Microtaper	\$14.50	\$21.00
• NDWS	\$15.00	\$21.00
• Northwestern Power-Kick®	\$21.00	\$30.00
• Power-Flex or Swingrite	\$38.50	\$58.00
• True Temper Flex Flow	\$16.50	\$23.00
• Kerband Graphite over steel	\$39.00	\$60.00
• Precision FW Featherweight	\$26.00	\$33.00
• Precision	\$24.00	\$31.00
• UCV-304	\$21.00	\$29.00
• Metal Wood Shafts		
Dynamic, TT Lite	\$15.00	\$21.00
Aldila Velocitor	\$44.00	\$65.00
Power-Flex, Swingrite	\$38.50	\$58.00
Flex Flow	\$16.50	\$23.00

REGRIPPING

- Any Slip-On Grip Listed in Catalog
- Any Cord-Style Grip
- Lamkin Slip-On Leather
- Neumann Wrap Leather in Black, Maroon, Perforated Pecan or Kingwood Tan

GENERAL REPAIRS

- Change Swingweight
- Replace Whipping
- Tighten Loose Head
- Repair Split Neck
- Change Hosel Bore — Larger only
- (.277, .294, .320, .335 or any size)
- Remove Shaft Broken Inside Hosel
- Change Length (longer or shorter, includes slip-on grip or reuse old grip)
- Repair Damaged Face
- Reset Soleplate Only
- Reset Insert Only
- Change Face Angle, Loft, Roll or Bulge and re-seal
- (Maximum $\pm 2^\circ$ on loft or face angle)
- Change Lie by Bending Shaft
- ($\pm 2^\circ$ Max.)
- Reseal Head Only
- Repair Split or Broken Head (includes refinishing, recommended in Black)

REPLACE INSERTS

- Fiber, Cynolac, Cast-in-Place Epoxy (Specify Color)
- With Refinish
- Without Refinish
- Custom Inserts (Keysite, 2-color, firing pin)
- With Refinish
- Without Refinish
- Gamma Fire, Aluminum
- With Refinish

IRON CLUB REPAIRS AND ALTERATIONS

RESHAFTING

NOTE: All iron reshafts include any rubber grip or Tacki-Mac grip listed in our catalog. Specify flex, finished length and swingweight.

	Your Wholesale Cost	Suggested Retail
• Dynamic, Pro-Fit, Jet Step, TT Lite . .	\$13.50	\$21.50
• Contour	\$15.50	\$21.00
• Dynamic Gold™	\$16.00	\$22.00
• Microtaper	\$14.00	\$20.50
• NDIS	\$14.50	\$21.00
• Northwestern Power-Kick®	\$20.50	\$29.00
• Precision	\$22.00	\$29.00
• Hickory	\$18.50	\$25.00
• Bent Putter Shaft (offset)	\$15.00	\$20.00
• True Temper Flex Flow	\$16.00	\$22.50
• Precision FW Featherweight	\$25.00	\$32.00

REGRIPPING

• Any Slip-On Grip Listed in Catalog . .	\$3.75	\$6.00
• Cord-Style Grip	\$5.25	\$9.25
• Lamkin Slip-On Leather	\$6.75	\$10.50
• Neumann Wrap Leather in Black, Maroon, Perforated Pecan, Kingwood Tan	\$9.50	\$13.50

- | | | |
|---|------------------------------------|-----------------------------|
| • Custom Shape Leather Putter Grip . .
(Specify Shape) | Your
Wholesale
Cost | Suggested
Retail |
| | \$12.00 | \$17.00 |

GENERAL REPAIRS

• Change Swingweight	\$3.00	\$4.50
• Tighten Loose Head	\$4.50	\$7.25
• Change Hosel Bore (.300, .355, .370 or any size)	\$3.50	\$6.00
• Remove Shaft Broken Off Flush With Hosel	\$6.00	\$9.00
• Change Length (longer or shorter, includes Slip-On Grip or reuse old Grip) .	\$7.00	\$9.50
• Remove Broken Drill Bit From Hosel . (includes welding and refinishing)	\$25.00	\$35.00
• Deepen Face Lines and Sandblast . . . (Not recommended on Plated Irons unless head is Rechromed as well)	\$7.00	\$10.00
• Sandblast Face Only	\$2.50	\$3.50
• Electro-Etch Names on Heads (Specify Location) Per Club	\$4.00	\$6.00
• Set Loft and Lie (Specify) Each	\$3.00	\$5.00
8 or More Irons Each	\$2.50	\$4.50

PLEASE READ BEFORE SENDING IN ALL REPAIRS

RECHROMING & REFINISHING IRONS

- We cannot remove fiberglass shafts from irons without destroying them. We can, however, install new steel shafts and grips to your specifications per the additional charges listed.
- We can refinish your Ping stainless steel irons to a high polish lustre thus making them quite unique and very attractive; however, be sure to specify in your instructions. Otherwise they will receive their original dull grey vibratory finish.
- On certain heads with a clear epoxy medallion in the back of the club (such as Wilson staff heads) we cannot guarantee that these will not fall out during the chroming process.
- Older clubs with vinyl or celluloid covered shafts are extremely difficult to remove. Occasionally they will break because they are rusted internally and brittle. If a shaft breaks we will notify you and ask if you wish it replaced with a regular steel shaft and grip of your choice per the additional charges listed.
- In the rechroming process hosels are not ground down very much. How they come in, is the way they go out. Often hosels are very thin, or thin in spots, and when rechromed the new chrome will crack in these spots making these thin areas very noticeable. The only solution is to weld the hosel or replace the hosel depending on how thin this area is. Sometimes we can identify these potential trouble spots, and sometimes we can not. This problem is fairly uncommon but deserves mentioning.
- Ping putters are difficult to reshaft because of a ball bearing which holds the shaft in the head. Many times the only way to reshaft them is to drill up through the bottom of the sole to remove the bearing. This hole is then filled with epoxy. If you do not wish us to do this please be sure to specify in your instructions, in which case we will return the club to you without reshafting if we can not remove it another way.
- Certain putter heads may be made of zinc, brass or other pot metals and alloys. These heads may partially dissolve in the chrome strip tanks. We try to identify these heads before stripping; however, sometimes they can not be identified. Please do not send in heads of this material as we can not replating them.
- Many older clubs are covered with rust and deep pits. When grinding, a decision often must be made as to when to stop grinding — while there are still pits or while there is still stamping. We always decide to save the stamping even though there will still be pits showing. This will retain the most value for the club. On certain

models with concave backs (like the MacGregor M65 model), the pitting can not fully be ground away without changing the lines and lessening the value of the club, so often the rest of the club will look like new but the pitting may still be slightly evident.

- At the present we are not able to copper the faces on MacGregor Colokrom heads or ceramic the faces on MacGregor CF4000 heads. We can rechrome these heads and change the face to the normal sandblasted type which most people prefer due to improved durability.
- Please do adjusting of lofts and lies before sending irons in for rechroming to prevent damage.
- If there will be any additional charges due to the complexity of the work, you will be notified before work is started.
- We do not offer refinishing of graphite or ceramic iron heads, nor do we offer ceramic spray coating of iron faces.

WOOD AND IRON CLUB REPAIRS

- Please send a list of the clubs with explicit instructions as to the work you wish done on each club. Please send these instructions **WITH** the clubs and not separately.
- If you do not have an account with us, you may arrange for payment by:
 1. Estimate the charges for the repairs plus shipping and send the anticipated amount with the clubs.
 2. Authorize us to send the clubs back by C.O.D.
 3. Charge the repair amount to your MasterCard or VISA.
- As soon as we receive the clubs we will send you a workorder/invoice describing the clubs received, the repairs to be performed and the total charges. Read this workorder/invoice carefully and if there are any discrepancies contact us **IMMEDIATELY**.
- All repairs will be shipped back via UPS unless specified otherwise, with shipping charges according to our Delivery Charge Chart. UPS Blue Label Service will require an additional charge.
- If you desire additional insurance coverage you must request it. All packages are automatically insured for \$100 only. You will be charged for additional insurance at the rate of \$.75 per \$100 of coverage.
- Please allow approximately 4-6 weeks for rechroming irons and refinishing woods. Understand that at certain times of the year our repair load is very heavy and it may take a little longer for the work to be completed.

THE GOLFWORKS® NEWS BULLETIN

- **VISORS IN STOCK.** We are now back in stock on the visors in our Sportswear division and will be filling all back orders as well as shipping current orders.
- **AUDIO TAPE CANCELLED.** The audio tape, The Fitting Secret (ATX1), has been cancelled and all orders are being refunded. Customers who ordered both tapes, which included the fitting tape and the shaft tape, are being shipped the shaft tape and a refund is being made for the other. The Fitting Secret is going to be incorporated in Mr. Maltby's upcoming fitting book, at which time the tape will be concurrently released.
- **CATALOG ERROR.** Please notice that we have mistakenly given two different codes each to three containers of grip solvent. Please use:
 - 1 Gallon — NFGG \$11.50
 - ½ Gallon — NFGH \$ 7.00
 - 18 oz. Aerosol — NFGA \$ 2.25
- **MORE VIDEOS COMING.** The GolfWorks® is planning to expand our library of golf club repair video tapes for 1986. This fall we will be filming new tapes on other repair areas which will be very helpful to all repair shops. Look for these tapes to come in 1986.
- **ANNUAL WOOD HEAD CLOSE-OUT SALE COMING.** The GolfWorks® Annual Close-out Wood Head Sale is coming later this summer. Regular customers are aware of the fantastic savings we offer on these top quality wood heads. Remember, these are accumulated from cancelled custom orders or when we slightly miss a specification on a custom order head and are NOT seconds or rejects. This annual sale represents a great time to stock some heads for assembly as well as start your test club inventory for a fitting center.
- **HI-TACK GRIP SUPPLY INCREASING.** Eaton Golf Pride has informed us that they have installed a brand new press which will increase their capability to produce the new popular Hi-Tack series of grips. If you haven't tried these new tacky-feel rubber grips with the imitation leather "look," order a set today. Available in Men's, Ladies' and two styles of putter grips, all in Cordovan brown color. Check your GolfWorks® Catalog for codes and prices.
- **MINI-PRODUCTS CATALOG COMING.** You should have, or soon will receive, The GolfWorks® mid-season mini-catalog of golf club components. This is the first release in a plan to publish at least two mini-catalogs each year in addition to the annual full line catalog. Each "Mini" will cover timely categories in golf club repair and assembly items to provide you with the most updated and important materials possible for the season.
- **REPAIR SCHOOL UPDATES.** All of The GolfWorks® Repair Schools for the remainder of 1985 are now filled. However, if you wish to be an alternate for any of the remaining sessions, please write to us and let us know. In the next GolfWorks® Newsletter, we will be announcing the new 1986 Repair School schedule and with it, some very exciting news about an entirely new advanced school featuring fitting only. Look to The GolfWorks® to keep you abreast of the latest in golf equipment information.
- **SHAFT ADDED.** By popular demand, The GolfWorks® is now offering the ProFlex shaft in woods only. This shaft is manufactured by the company currently making the PowerFlex and the Swingrite extra flexible shafts. However, the ProFlex shaft is a much stiffer flex shaft, similar in flex feel to a soft steel shaft. Its degree of flexibility is better for middle to low handicap players, and also makes a perfect choice for a low to middle C range swingweight set of woods. Now in stock and ready for shipment, this shaft is NOT to be used in metal woods.

GolfWorks® Code — PROG — \$34.50

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THE GOLFWORKS®

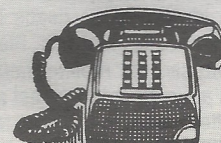
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