

RAILWAY



WARWOOD TOOL CO.
Made With Pride In The USA Since 1854





WARWOOD TOOL COMPANY CATALOG

ALL AMERICAN MADE
TOP QUALITY FORGED HAND TOOLS

We have extensive experience in supplying to US government agencies, The General Service Administration and the American Railway Engineering and Maintenance of Way Association (A.R.E.M.A). For any assistance in quoting tools to these organizations or other tool specifications, please contact us.

VISIT OUR WARWOOD TOOL COMPANY WEB PAGE
www.warwoodtool.com

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FOREST HOE

ADZES

BARS

BULL PINS

CHISELS

DRIFT PINS

HAMMERS

MANHOLE COVER LIFTERS

MATTOCKS

MAULS

PICKS

PUNCHES

RAILROAD TRACK TOOLS

SLEDGES

TONGS

WEDGES

WRENCHES

GRUB HOE



PROTECT YOUR EYES WEAR SAFETY GOGGLES

OSHA Regulations 29 CFR 1910.133 requires the use of eye protection not only to workers using striking tools, but to nearby workers in the immediate work area. Similar requirements are contained in OSHA Construction Standards 29 CFR 1926.102. Mine Safety and Health Administration requires eye protection in the Mining environment 30 CFR 55.14-4, 30 CFR 56-15-4, 30 CFR 57-15-4, 30 CFR 75.1720(a) and 30 CFR 77.1710(a).

GENERAL TERM AND CONDITIONS

ALL PREVIOUS QUOTATIONS AND PRICE LISTS ARE HEREBY WITHDRAWN AND CONDITIONS CONSIDERED NULL AND VOID.

Payment Terms: 2% discount, 15 days from date of invoice, net 30 days.

Shipping Terms: Free freight will be allowed on shipments of \$3,500 or more to any point in the Continental United States. Warwood Tool reserves the right to ship via the least expensive route.

Minimum Invoice Charge: Our minimum order and invoice charge is \$75.00 or a \$5.00 service fee is added to invoice.

Returned Goods: No merchandise is to be returned without Warwood Authorization. Returned goods, when authorized, must be returned prepaid freight. Credit will be issued at invoice price at time of shipment less 15% restocking charge. If it is necessary to recondition or repackage returned goods, additional charges will be assessed. Credit for returned goods may be applied only toward the purchase of other Warwood products. Credits cannot be applied for cash rebates.





Shortage or Damage: In the event of any shortage or damages, notify at once the delivery transportation agent. File claim properly and be certain all shortage and damaged goods are signed and noted on the freight bill at the time of delivery. Losses and damages which occur in transit are the carrier's responsibility, and such claims should be filed promptly with the carrier.




Warranty: The Warwood Tool Company will replace any hand tool, free of charge, which fails to perform under normal working conditions. Tools are warranted to be free of defects in workmanship and material. Merely return your tool to its place of purchase, and Warwood Tool will replace it at no charge. Failure due to misuse, abuse, or normal wear and tear are not covered by this warranty. Wood handles are not included in the warranty as they are subject to deterioration and damage during normal usage.





Specifications: Specifications and plans in this catalog include those published by the American National Standards Institute, Inc. (A.N.S.I.) and/or AREMA American Railway Engineering Maintenance of Way Association (A.R.E.A.) or AREMA and/or Federal Specifications and/or the United States Department of Commerce Simplified Practice Recommendations (heavy forged hand tools) unless otherwise specified. If ordering to American Railway Engineering Association Specifications designate AREA or AREMA Plan, Type and Grade of steel desired. Warwood Tool Company highly recommends using current AREMA Specifications when possible.

Warwood Finish: Most Warwood carbon steel tools, unless otherwise requested, are painted blue. Railroad Track Tools will be furnished per designated AREA Specifications which could be painted or unpainted depending on the year and AREA Plan or AREMA specified. 2 "Protect Your Eyes; Wear Safety Goggles."

"All American Made Since 1854"





TOOL	Product No.	Prod. Size	Prod. Type
 <p>Track Adze</p>	<p>1200 1201 90015</p>	<p>12-T 6# H-12-T 6# 34" HANDLE</p>	<p>TOOL ONLY TOOL & HANDLE HANDLE ONLY</p>
 <p>Carpenter Adze</p>	<p>1220 1221 90015</p>	<p>12-TC 5# H-12-TC 5# 34" HANDLE</p>	<p>TOOL ONLY TOOL & HANDLE HANDLE ONLY</p>
 <p>Railroad Clay Pick</p>	<p>3030 3031 90020</p>	<p>7# 7# 36" #6 EYE</p>	<p>TOOL ONLY TOOL & HANDLE HANDLE ONLY</p>
 <p>Tamping Pick - Carbon</p>	<p>2000 2001 90020</p>	<p>2-T 8# H-2-T 8# 36" #6 EYE</p>	<p>TOOL ONLY TOOL & HANDLE HANDLE ONLY</p>





TOOL	Product No.	Prod. Size	Prod. Type
 <p>Double Face Sledge - Grade B Head only or Regular Hickory Handle</p>	53310	533-AB 2#	TOOL ONLY
	53311	H-533-AB 2#	HANDLED TOOL
	53400	534-AB 3#	TOOL ONLY
	53401	H-534-AB 3#	HANDLED TOOL
	53410	534-AB 4#	TOOL ONLY
	53411	H-534-AB 4#	HANDLED TOOL
	53420	534-AB 6#	TOOL ONLY
	53421	H-534-AB 6#	HANDLED TOOL
	53430	534-AB 8#	TOOL ONLY
	53431	H-534-AB 8#	HANDLED TOOL
	53440	534-AB 10#	TOOL ONLY
	53441	H-534-AB 10#	HANDLED TOOL
	53450	534-AB 12#	TOOL ONLY
	53451	H-534-AB 12#	HANDLED TOOL
	53460	534-AB 16#	TOOL ONLY
53461	H-534-AB 16#	HANDLED TOOL	
90007	16" HANDLE	HANDLED ONLY	
90002	32" HANDLE	HANDLED ONLY	
90003	36" HANDLE	HANDLED ONLY	
 <p>Double Face Sledge - Grade B Tool with Safety Grip (SG) Handle</p>	53312	H-534-AB 2#	HANDLED TOOL SG
	53402	H-534-AB 3#	HANDLED TOOL SG
	53412	H-534-AB 4#	HANDLED TOOL SG
	53422	H-534-AB 6#	HANDLED TOOL SG
	53432	H-534-AB 8#	HANDLED TOOL SG
	53442	H-534-AB 10#	HANDLED TOOL SG
	53452	H-534-AB 12#	HANDLED TOOL SG
	53462	H-534-AB 16#	HANDLED TOOL SG
	90025	16" HANDLE	HANDLE ONLY SG
	90040	32" HANDLE	HANDLE ONLY SG
90026	36" HANDLE	HANDLE ONLY SG	
 <p>Double Face Sledge - Grade B Tool with Fiberglass (FG) Handle</p>	53315	H-533- AB 2#	HANDLED TOOL FGH
	53405	H-534-AB 3#	HANDLED TOOL FGH
	53415	H-534-AB 4#	HANDLED TOOL FGH
	53425	H-534-AB 6#	HANDLED TOOL FGH
	53435	H-534-AB 8#	HANDLED TOOL FGH
	53445	H-534-AB 10#	HANDLED TOOL FGH
	53455	H-534-AB 12#	HANDLED TOOL FGH
	53465	H-534-AB 16#	HANDLED TOOL FGH
	90023	16" HANDLE	HANDLE ONLY FGH
	90024	34" HANDLE	HANDLE ONLY FGH





TOOL	Product No.	Prod. Size	Prod. Type
 <p>Pinch Point Crow Bar</p>	16020 16030 16040 16050 16060 16070 16080 16090	160 6# 160 10# 160 12# 160 14# 160 16# 160 18# 160 22# 160 26#	36" 48" 51" 54" 57" 60" 63" 66"
 <p>Wedge Point Crow Bar</p>	16120 16130 16140 16150 16160 16170 16180 16190	161 6# 161 10# 161 12# 161 14# 161 16# 161 18# 161 22# 161 26#	36" 48" 51" 54" 57" 60" 63" 66"
 <p>Diamond Point Lining Bar</p>	16210 16220 16230	162 18# 162 22# 162 26#	60" 63" 66"
 <p>Chisel End Tamp Bar</p>	1400	14-T 15#	61"

TOOL	Product No.	Prod. Size	Prod. Type
 <p>Spike Maul - BP Grade B Head only or Regular Hickory Handle</p>	<p>50360 50361 90003</p>	<p>3-TAB 10# H-3-TAB 10# 36" HANDLE</p>	<p>TOOL ONLY HANDLED TOOL HANDLE ONLY</p>
 <p>Spike Maul - BP Grade B Tool with Safety Grip (SG) Handle</p>	<p>50362 90026</p>	<p>H-3-TAB 10# 36" HANDLE</p>	<p>HANDLED TOOL SG HANDLE ONLY SG</p>
 <p>Spike Maul - BP Grade B Tool with Fiberglass (FG) Handle</p>	<p>50365 90024</p>	<p>H-3-TAB 10# 34" HANDLE</p>	<p>HANDLED TOOL FGH HANDLE ONLY FGH</p>
 <p>Spike Maul - BP Carbon Head only or Regular Hickory Handle - NOT AREMA APPROVED</p>	<p>300 301 320 321 90003</p>	<p>3-T 10# H-3-T 10# 3-T 8# H-3-T 8# 36" HANDLE</p>	<p>TOOL ONLY HANDLED TOOL TOOL ONLY HANDLED TOOL HANDLE ONLY</p>

TOOL	Product No.	Prod. Size	Prod. Type
 <p>Spike Maul - BP Carbon Tool with Safety Grip (SG) Handle - NOT AREMA APPROVED</p>	<p>302 322 90026</p>	<p>H-3-T 10# H-3-T 8# 36" HANDLE</p>	<p>HANDLED TOOL SG HANDLED TOOL SG HANDLE ONLY SG</p>
 <p>Spike Maul - BP Carbon Tool with Fiberglass (FG) Handle - NOT AREMA APPROVED</p>	<p>305 325 90024</p>	<p>H-3-T 10# H-3-T 8# 34" HANDLE</p>	<p>HANDLED TOOL FGH HANDLED TOOL FGH HANDLE ONLY FGH</p>
 <p>Spike Maul - SP Carbon Head only or Regular Hickory Handle - NOT AREMA APPROVED</p>	<p>380 381 390 391 90003</p>	<p>3-1/2-T 8# H-3-1/2-T 8# 3-1/2-T 10# H-3-1/2-T 10# 36" HANDLE</p>	<p>TOOL ONLY HANDLED TOOL TOOL ONLY HANDLED TOOL HANDLE ONLY</p>
 <p>Spike Maul - SP Carbon Tool with Safety Grip (SG) Handle - NOT AREMA APPROVED</p>	<p>382 392 90026</p>	<p>H-3-1/2-T 8# H-3-1/2-T 10# 36" HANDLE</p>	<p>HANDLED TOOL SG HANDLED TOOL SG HANDLE ONLY SG</p>

TOOL	Product No.	Prod. Size	Prod. Type
 <p>Spike Maul - SP Carbon Tool with Fiberglass (FG) Handle - NOT AREMA APPROVED</p>	<p>385 395 90024</p>	<p>H-3-1/2-T 8# H-3-1/2-T 10# 34" HANDLE</p>	<p>HANDLED TOOL FGH HANDLED TOOL FGH HANDLE ONLY FGH</p>
 <p>Double End Track Wrench</p>	<p>41010 41020 41030 41040 41050</p>	<p>4-TDE 3/4" X 7/8" 36" 4-TDE 7/8" X 1" 42" 4-TDE 1" X 1-1/8" 48" 4-TDE 1-1/8" X 1-1/4" 48" 4-TDE 1-1/4" X 1-3/8" 48"</p>	<p>10# 12# 14# 15# 16#</p>
 <p>Single End Track Wrench</p>	<p>42010 42020 42030 42040 42050 42060</p>	<p>4-TSE 3/4" 4-TSE 7/8" 4-TSE 1" 4-TSE 1-1/8" 4-TSE 1-1/4" 4-TSE 1-3/8"</p>	<p>30" 8# 36" 10# 42" 12# 48" 14# 48" 16# 48" 18#</p>
 <p>Rail Tong</p>	<p>600</p>	<p>6-T 18#</p>	<p>TOOL ONLY</p>

TOOL	Product No.	Prod. Size	Prod. Type
 <p>Tie Tong</p>	700	7-T 10#	TOOL ONLY
 <p>Timber Tong</p>	800	8-T 12#	TOOL ONLY
 <p>Spike Puller</p>	9000	9-T 2-1/2# 9-94	TOOL ONLY
 <p>Track Chisel - Grade B</p>	51700 51701 51702 90009 90030	17-TAB 5-1/2# H-17-TAB 5-1/2# H-17-TAB 5-1/2# 24" HANDLE 36" HANDLE	TOOL ONLY HANDLED TOOL 24" HANDLED TOOL SG HANDLE ONLY HANDLE ONLY SG

TOOL	Product No.	Prod. Size	Prod. Type
 <p>Track Chisel - Square Cutter</p>	51710 51711 90009	17-TASB 5-1/2# H-17-TASB 5-1/2# 24" HANDLE	TOOL ONLY HANDLED TOOL HANDLE ONLY
 <p>Tie Plug Punch - Grade B</p>	21800 21801 21802 90009 90003	18-TAB 4# H-18-TAB 4# H-18-TAB 4# 24" HANDLE 36" HANDLE	TOOL ONLY HANDLED TOOL 24" HANDLED TOOL 36" HANDLE ONLY HANDLE ONLY
 <p>Round Track Punch - Grade B</p>	21900 21901 21902 90009 90003	19-TAB 7-1/2# H-19-TAB 7-1/2# H-19-TAB 7-1/2# 24" HANDLE 36" HANDLE	TOOL ONLY HANDLED TOOL 24" HANDLED TOOL 36" HANDLE ONLY HANDLE ONLY
 <p>Claw Bar</p>	16310 - Plan# 11-39 16320 - Plan# 11-62 16330 - Plan# 11-10	163 27# 163 27# 163 27#	60" 60" 60"



COMPANY HISTORY

Since 1854, Warwood tools have helped to shape our nation's history. From coal mining tools that helped fuel the Industrial Revolution to railroad and other tools used to build the US transportation infrastructure, to our famous entrenching mattock used extensively in World Wars I and II for digging fox holes and trenches, Warwood tools have been trusted by generations of hard-working Americans. In fact, American soldiers have relied on Warwood tools in every war since the Civil War. As a testament to our rich history, our manufacturing facility was recently featured on the History Channel's documentary *The Men Who Built America*. It all started in Martins Ferry, Ohio when Henry Warwood founded a company making gardening and coal tools. As the company grew, it changed locations several times until settling into what is now Wheeling, West Virginia in the early part of the 20th century. Initially surrounded by bucolic farmland, a town named Warwood quickly sprang up around the manufacturing facility along the banks of the Ohio River. Warwood remains a vital neighborhood today.

ALTHOUGH MUCH HAS CHANGED SINCE 1854, OUR UNWAVERING FOCUS ON HIGH-QUALITY TOOLS REMAINS THE SAME.

- We are still a family-owned and -operated company. In over 160 years of operation Warwood Tool has only changed ownership 6 times. Family is still a focus at the company where CEO Mike Carl, President Logan Hartle, and Vice President Phillip Carl prioritize and honor the traditions and skilled labor of the employees present, and owners past. Warwood Tool will always produce a 100% American sourced and manufactured product, where small town roots meet a global platform.
- We still employ hard-working Americans who take great pride in their work. Our employees are highly skilled and experienced at their craft. It is a great compliment that we have multiple generations from the same family working together in our factory.
- We still manufacture what we believe is the best quality hand forged product made in the USA.

We don't take short cuts.

We only use the highest quality American steel. We use a time-tested, laborintensive manufacturing process that delivers the very best hand tool available today.

Working closely with our loyal customers, we have developed an extensive product line that ensures you'll find the right tool for your job.

You could certainly find a cheaper tool, but you'll be hard-pressed to find a better one. Pick up one of our tools — feel the quality and history in your hands.





HEAVY STRIKING TOOLS

INTRODUCTION: Striking and struck tools are made in various types and sizes with varying degrees of hardness and different configurations for specific purposes. They should be selected for their intended use and used only for those purposes. Proper use of practically all types involves certain basic rules:

- (1) Always wear safety goggles when using striking or struck tools, or when near someone else who is doing so.*
- (2) A hammer blow should always be struck squarely with the hammer striking face parallel with the surface being struck. Always avoid glancing blows and over and under strikes.*
- (3) The striking face of the hammer should have a diameter approximately 3/8" larger than the struck face of the tool.*
- (4) Never use one hammer to strike another hammer.*
- (5) Never use a striking or struck tool with loose or damaged handle.*
- (6) Discard any striking or struck tool if tool shows dents, cracks, chips, mushrooming, or excessive wear.*
- (7) Never redress striking tools. Cutting edges of struck tools may be returned to the original shape with a file or whetstone. Blacksmiths' or Engineers' Hammers and Sledges, Double Face*

DESCRIPTION: This is the most commonly used type of sledge hammer and is made in slightly different head configurations. All patterns have crowned striking faces with beveled edges.

PROPER USES: Sledges are designed for general sledging operations in striking wood, metal, concrete or stone. Common uses are drifting heavy timbers and striking spikes, cold chisels, rock drills and hardened nails, and wood splitting wedges.

ABUSE/MISUSE: NEVER use a sledge to strike a hammer, sledge, or maul. NEVER use a sledge with a loose or damaged handle. Woodchoppers' Mauls

DESCRIPTION: Woodchoppers' mauls have a round, bevel-edged striking face with a splitting edge opposite.

PROPER USES: These tools are designed for splitting wood. Also, they are used in conjunction with wood splitting wedges by first making a notch with the splitting edge and then driving the wedge with the maul's striking face.

ABUSE/MISUSE: NEVER use this tool in striking concrete. NEVER drive one maul by striking it with another maul, sledge or other striking tool. Hand Drilling Hammers

DESCRIPTION: These heavy, short-handled hammers are made in slightly varying configurations. The double-faced head has crowned and beveled striking faces.

PROPER USES: These hammers are designed for use with chisels, punches, star drills and hardened nails. Their design permits heavy blows with limited swing – especially advantageous in restricted working areas.

ABUSE/MISUSE: NEVER use these tools for sledging or stone work. Stone Sledges and Spalling Hammers

DESCRIPTION: These are stone masons' tools. The sledge usually has a crowned, oval striking face with a napping face opposite. The spalling hammer has a beveled striking face.

PROPER USES: Stone sledges are designed for breaking up stone and concrete. The spalling hammers are designed for cutting and shaping stone and concrete. The pein ends of stone sledges and spalling hammers are intended specifically for making score lines in stone and masonry.

ABUSE/MISUSE: NEVER use these tools for striking metal. NEVER use pein ends of stone sledges or spalling hammers for breaking up stone or masonry. They are for marking and scoring purposes only. Blacksmiths' Hand Hammers and Cross Pein Sledges

DESCRIPTION: These heavy-duty hammers are designed for use in striking metal. Striking face is crowned with beveled edge.

PROPER USES: The striking face is designed for general blacksmith work in striking unhardened metal. The peins are used for shaping (fullering) and bending unhardened metal.

ABUSE/MISUSE: NEVER use a sledge to strike a hammer, sledge or maul.



PROTECT YOUR EYES ...

When using ...
or in a striking tool zone

Wear Safety Goggles

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STRUCK TOOLS

INTRODUCTION: The striking and struck faces of tools are designed to direct the force of blows toward the center or body of the tool. Blows struck off center are not directed toward the body of the tool where they can be absorbed, but rather travel directly along the sides of the tool where there is insufficient back-up material. The net effect is shearing rather than cushioning which is dangerous.

The angle and thickness of the cutting edges of tools are designed to give maximum cut and durability. When the cutting edge becomes dull, not only does the cutting ability decrease, but the durability is drastically reduced. Many failures are caused by dullness. Wood Splitting Wedges

PROPER USES: Wood splitting wedges are designed for splitting logs, firewood, staves and other wood products. Always use a woodchoppers' maul or an axe to make a starting notch. Wedges should be struck with a sledge or woodchoppers' maul having a larger striking face than the struck face of the wedge.
Hot Chisels

PROPER USES: Hot chisels are designed for cutting hot steel. They are very similar to blacksmiths' cold chisels except that the cutting edge or bit is wider and the blade is thinner.

ABUSE/MISUSE: NEVER use hot chisels for cutting cold metal, stone or concrete. NEVER use a dull chisel or one with a mushroomed head. If cutting edge is dull it may be redressed. Cold Chisels

PROPER USES: Cold chisels have a cutting edge at one end for cutting, shaping and removing metal softer than the cutting edge itself and a struck face on the opposite end.

ABUSE/MISUSE: NEVER use cold chisels for cutting or splitting stone or concrete. NEVER use a dull chisel or one with a mushroomed head. Blacksmiths' Punches - Round and Backing Out

DESCRIPTION: The punch end of the round punch is tapered from point to body, whereas the punch end of the backing out punch is the same diameter from point to body. Both types are fitted with handles.

PROPER USES: Blacksmiths' round punches are designed for drifting holes, aligning and driving pins. Blacksmiths' backing out punches are designed for backing out bolts, rivets and pins. Do not use for grouser pin installation or removal.

ABUSE/MISUSE: NEVER use a punch with a mushroomed struck face or a chipped or deformed point.

WHEN TO REPLACE: Discard any punch if it is bent or shows dents, cracks, chips, mushrooming or excessive wear. If point end is deformed, it may be redressed.

NOTE:
Copies of the booklet "Hand Tool Safety—Guide to Selection and Proper Use" can be obtained from:

Hand Tools Institute,
25 North Broadway,
Tarrytown, NY 10591.

Proper Use - Abuse/Misuse
Of Railroad Track Tools
All railroad track tools, including Hot Cutters, Track Chisels, Crow Bars, Sledges, Picks, Spike Mauls, Spike Pullers and Wrenches have a specific use for a specific job. Such tools are not to be abused and are not to be used for purposes other than their intended use. For example, railroad spike

mauls are specifically intended to be used for driving railroad spikes only. Do not use a spike maul for grouser pin installation or removal. Uses of railroad track tools for other than their intended use can result in serious bodily injury.

Tools should be inspected before being used. Discard any striking or struck tool immediately at the first sign of chipping, mushrooming, or cracking. Never use a tool with a loose or damaged handle.

Safety goggles or equivalent eye protection conforming to American National Standard Practice for Occupational and Educational Eye and Face Protection, ANSI Z87.1-1979, should be worn by the user and all persons in the immediate area where any striking tool is being used, to avoid eye injury from flying objects. A heavy striking-tool blow should always be struck squarely with the striking face parallel with the surface being struck. Always avoid glancing blows and over and under strikes. No area, section, or portion of the striking tool shall be ground, welded, re-heat treated, or otherwise altered from the original condition as furnished by the manufacturer.

**DO NOT EVER STRIKE THE
HEEL OF A CLAW BAR WITH
ANOTHER TOOL!
USE ONLY TO REMOVE SPIKE
AFTER USING A SPIKE LIFTER
FIRST TO FREE IT UP!**



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