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List of Power Hammers in North America New & Used ... Commercial & Do It Yourself ... Mechanical & Air

As of February 2021

Please contribute other sources via e-mail to History@ABANA.org
Additions since the last version of December 2020 are in **yellow highlight**.

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A. Selection of a Power Hammer

From an April 2018 exchange in the Facebook group, Power Hammer Forging, Tom Troszak, a creator of small and large air power hammers, offers this advice, now paraphrased:

The wide variety of hammers available in the world cannot be realistically compared by just the two factors of ram weight and price, as the differences in forging applications, hammer capabilities, space, power and foundation requirements, etc. are just too profound.

In general, one should evaluate the hammer on such considerations as:

Who will be using the tool?

What are they trying to do with it?

How well will this tool do the job that needs doing?

How often will it be used?

How much will it cost to set up?

How much does it cost to operate?

Can it tolerate abuse?

How much does it cost to repair?

How long will it last?

What is the total cost over time?

In regards to price, the correct tool for a job will pay for itself readily, regardless of the initial cost.

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B. Mechanical – Used, Vintage

General		Manuals and catalogues for the hammers below are at www.newenglandblacksmiths.org/power_hammer_info.htm		
General	Douglas Freund, Author	Book: 'Pounding out the Profits' Subtitles: A century of American invention. The development and manufacture of crank-actuated open-die power forging hammers.		
General	ThatWorks – Matt Stagmer et al	https://www.youtube.com/watch?v=4Zo5PwVFcac		
Little Giant	Parts & History-Roger Rice, Nebraska City, Nebraska	www.littlegianthammer.com General information is also at www.spaco.org/pow.htm		
Mayer Brothers (Murray, Murco or Moloch)	Parts-Roger Rice, Nebraska City, Nebraska	www.littlegianthammer.com		
Little Giant Rebuilt for Sale	Steve Prillwitz, Dowagiac, Michigan	www.facebook.com/barn.matchlessantiques/ blacksmithbarn@hotmail.com		
Little Giant & Others for Sale	Andrew Alexander, Dallas, Texas	www.instagram.com/blacksmithtools/ Blacksmithtools1@gmail.com		
DuPont		www.newenglandblacksmiths.org under Resources		
Scranton				
Bradley Beaudry Fairbanks		Wallace Metal Works, Kempton, Pennsylvania under united.forginghammers.com was once advertising parts. But the firm appears to be closed.		
Noteworthy: There are Facebook groups or pages for each of the following hammers: Nazel, Massey, Little Giant, Kerrihard, Kick Ass 75, Anyang USA, BLU and Clay Spencer Tire.				
Goliath (S. Platt)	Willams & White	Modern Power Hammer	Ajax Spring	Howe/St. Lawrence
Champion	Barbour Stockwell	Dinelt-Eisenhardt	Star	Lancaster
Barnet	Kerrihard	Little Samson	Jenkins & Lingle	Novelty Iron Works BOSS
Bellefonte	Hawthorn Helve	Macgowan & Finigan	Abno (Swedish)	Judson-Jackson
Belden	Flint & Lomax			
Noteworthy: There are over 460 US patents for power hammers.				
Active collection of 30+ Hammers	Allen Lake, Moccasin Mountain Hammers, Lewiston, Montana	Facebook page at http://bit.ly/2sVRWrM		

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Various, Used		www.anvilfire.com/tailgate/pages.php?catalog=machinery
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C. Mechanical – New Commercial

Spare Tire	Chase Saxton, Scottsville, Kentucky	www.youtube.com/watch?v=ts5Uk4F1nv4 http://bit.ly/2nyf0qJ
Spare Tire	Raymond Head, Wetumpka, Alabama	www.facebook.com/raymond.head.393 alaforge.org/Trading_Post.html e.m.forge@gmail.com
Spare Tire	Clay Spencer, Somerville, Alabama	alaforge.org/Trading_Post.html
Spare Tire	Dave Custer, Columbia, Kentucky	www.facebook.com/Fiery-Furnace-Forge-Blacksmith-LLC-408269802598275/?pnref=lhc
Hydra Spare Tire Hammer & Press	Brad Kusnierz, Canada	www.broadriverforge.com https://youtu.be/7fqFoIF34dw
Tire – Beaudry Style	Brad Kusnierz, Canada	www.broadriverforge.com
Miniac	C. Shark Lambdin	TBD
Leaf Spring	[Contact is via the youtube posting.]	www.youtube.com/watch?v=NREEI3Lj1iw
'WW' Leaf Spring with adjustable ram height	Johnny Woolsey, Beechgrove, Tennessee	johnnywoolseyart@gmail.com See postings in Facebook group 'Power Hammers for Blacksmiths'
Small Helve Hammer	Tulungagung, Indonesia	Commercially available. https://www.youtube.com/watch?v=8MXSH0pbHTc
Mechanical	Hyderabad, India	https://www.youtube.com/c/NAGORIIRONWORKS/featured https://www.facebook.com/nagoriiron.works.5

D. Mechanical – New Do-It-Yourself

General	Notes on Designing & Building a Hammer	www.anvilfire.com/power/power-hammer-building.php
General	Various Postings and 'Build Guide'	www.homemadetools.net
Standard Tire	Anvil Fire X1	www.anvilfire.com/power/building_X1-power-hammer.php
Standard Tire/	Travis Blankenbaker	Visit his Facebook for his postings. Ram is 150 pounds.

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Beaudry Style		
Spare Tire	Clay Spencer web site on the Ray Clontz' concept	http://tirehammer.org/tirehammer_website/Tire_Hammer.html
Spare Tire	Clay Spencer plans based on Ray Clontz' concept	\$30 US to Clay Spencer, 73 Penniston Pvt. Drive, Somerville, AL 35670. E-mail clay@otelco.net for information.
Spare Tire	Clay Spencer Build-Workshop of 23 Hammers	www.youtube.com/watch?v=mvvevFit3U Curtis Herrmann Facebook page as a workshop fabricator
Spare Tire	Alexandre Bigunas, Brazil (Plans in Portuguese)	https://bigunas.kpages.online/powerhammer https://www.facebook.com/watch/?v=2234320049997963&external_log_id=fcc9e4a407b71ccc4f55c67748793a8e&q=DIY%20%26%20Crafts%20power%20hammer
Mechanical, Small	Ron Robicheaux, Lafayette, Louisiana	www.youtube.com/watch?v=Ha2a-v1VpcM
Mechanical, Anvil-Mounted	Roy Adams, Dayton, Ohio	www.christcenteredironworks.com/hardy-hammer.html/
Hybrid Tire/Spring Japanese Style	Daniel O'Connor, Texas	www.youtube.com/playlist?list=PLtBlq_z5f4FNNxFkwkfU3bMSZrh123ppa www.youtube.com/watch?v=Sq4NZin-MBY
Mechanical	Fred Connell's report, based on Ray Clontz' mechanical concept	www.ornamentalroseengine.com/smith/hammer/index.htm
Mechanical	Hans Peot's manual	www.centaurforg.com/The-Shop-Built-Powerhammer/productinfo/BK701/
Mechanical	Bako Bicak, Turkey	www.youtube.com/watch?v=obL6vBRgZs0
Mechanical	E. A. Lindner in 1908 American Blacksmith	http://bit.ly/2D2bAa9
Mechanical	E. A. Lindner in 1907 American Blacksmith	http://bit.ly/2D2b1x1
Leaf Spring	Dusty, Rusty, Super Rusty plans	www.appaltnet.net/rusty/
Leaf Spring	Norm Tucker's Book 'Frankenhammer Build Manual'	www.amazon.com/Frankenhammer-Build-Manual-Norm-Tucker/dp/1502928728
Leaf Spring	Jerry Allen's 'Power Hammer Plans for Dummies'	www.facebook.com/TheWizardsForge/ https://www.facebook.com/groups/736361286506784/ www.appaltnet.net/rusty/Wizards_Forge.htm

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Leaf Spring	Krusty plans (metric)	www.instructables.com/id/Power-hammer/ The plans are also in the Files section of Facebook group, Power Hammer Forging, and in other groups.
Leaf Spring	Maximus Ironthumper, United Kingdom	www.youtube.com/watch?v=1YJob6JM2t0
Leaf Spring	Julius Szabo, Slovakia	Visit MeshCNCPT on Etsy https://juliusszabo.com/
DaVinci Cam Helve Hammer plans	Roy Adams, Dayton, Ohio	A low cost machine that uses a sledge hammer. www.youtube.com/watch?v=W_eiTSk7FrA&feature=youtu.be www.blacksmithpdfs.com
'Junk Yard'	Jock Dempsey 's report	www.anvilfire.com/power/jyh_index.htm
Various	Anvil Fire's collection	www.anvilfire.com/power/jyh-cat.htm

E. Air with External Air Compressor – Used Commercial

Iron Kiss	John Larson, Kingsville, Maryland	Early 2000's to 2015
Trip Air	Robin Eames and _____	Early 1980's to early 1990's Original manual is available from John Dittmeier.

F. Air with External Air Compressor – New Commercial

Big Blu	Josh Smith, Morgantown, North Carolina	www.bigbluhammer.com www.facebook.com/bigbluhammer https://www.facebook.com/groups/114231158634836/
KA75	Bob Bergman, Blanchardville, Wisconsin	www.KA75.com
KZ100 & MZ75	Ken Zitur, Albany, Minnesota	https://www.kensiron.com/powerhammers
Lil' Abner	Bert Romans, Mulino, Oregon	www.rmetalart.com is not responding.
IM65	J. W. Stekervetz & Pete Johnson, Manheim, Pennsylvania	www.facebook.com/underhillforge (May 2016) www.youtube.com/watch?v=nnjwRnN6vow www.iforgeiron.com/topic/45811-im65-utility-hammer/
Bull	Tom Troszak, Asheville, NC	http://reciprodyne.com

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		http://bit.ly/2nz5eoi
Phoenix 150 Phoenix 750	Tom Troszak, Asheville, NC	http://reciprodyne.com www.youtube.com/watch?v=EESemnwYNYM www.youtube.com/watch?v=Ew8VvRVwTBk
Bulldog per Dave Hammer Plans	John Fee, Presho, New York	https://youtu.be/jbAGgtC-iTM
[Power Hammer]	Bruce Macmillan, Denver, Colorado	[Periodic production of hammers]
'Benchtop'	Theodore Banning, Richmond, Virginia	banninghammer@gmail.com Search the web for photographs and video of this hammer.
[Power Hammer]	Jay Hansell, Britt, Iowa	www.youtube.com/watch?v=PM_SSmaIFAc

G. Air with External Air Compressor – New Do-It-Yourself

New Style Kinyon plans	ABANA via Paul Branch, New Richmond, WI and Ron Kinyon, Mesa, AZ	\$20 at https://bit.ly/2OEFgxH www.iforgeiron.com/topic/16238-new-style-kinyon/#comment-173366
Cricket, Jimminy, Thumper & Bulldog Small Hammers	Dave Hammer, Northern Virginia	http://www.hammerfireforge.com/power-hammers-.aspx www.youtube.com/user/djhammerd www.youtube.com/watch?v=_szRjBUmdcQ https://youtu.be/IYq41ZgDmWI
Simple Air Hammer	Josh De Lisle, Worcester, UK	https://www.etsy.com/uk/shop/DelisleDesign https://www.youtube.com/watch?v=yAy4wZYdFvg
Heavy Hitter Heavy Little Hitter	Grizz C., Bastrop, Texas	https://www.txknifemakers.com/airhammers
New Style Kinyon	Ted McDonah (and Leon Nash), Millersville, Pennsylvania	www.flickr.com/photos/teddmcdonah/albums/72157626270160104/page1 http://metalmonger.blogspot.com/2012/11/building-blacksmithing-air-hammer.html
New Style Kinyon	Olene Machine, Gearhart Ironwerks et al	www.youtube.com/watch?v=bXZzYqjTeFE www.youtube.com/watch?v=kPf4eiQ9wlg www.youtube.com/watch?v=ZPqBSq5kK60

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		www.youtube.com/watch?v=D3QopHjiyfQ www.youtube.com/watch?v=BAPnyy_x5b8 www.shopfloortalk.com/forums/archive/index.php?t-38975.html
New Style Kinyon control kit	Chris Coleman, Arizona	colemanstuff.wordpress.com/hammertime/ www.youtube.com/watch?v=AMAXHof6_d8
New Style Kinyon	IForgeIron: AJ Clay et al	www.iforgeiron.com/topic/19796-new-style-kinyon-project-drawing/?hl=%2Bkinyon+%2Bproject
Kinyon	ABANA Ron Kinyon plans	https://abana.org/marketplace/abana_shop/#!/form/Shop
Simple Air Hammer	Larry Zoeller, Lanesville, Indiana	www.zoellerforge.com/hammer.html
Simple Air Hammer	Robert Bordeaux, Waterbury Center, Vermont	www.hotanvil-forge.com/id30.html
Artist Blacksmith	Dave Robertson, Cargill, Canada	www.artistblacksmith.com/items-for-sale/Air-Hammer/Air-Hammer-Plans.html
KZ100 Control Kit	Ken Zitur, Albany, Minnesota	www.kensiron.com/controlkit.html
KZ100 plans (free)	Ken Zitur, Albany, Minnesota	www.kensiron.com/controlkit.html
Lil' Abner kit & plans	Bert Romans, Mulino, Oregon	www.rmetalart.com is not responding.
Air hammer plans	Ralph Sproul, Webster, New Hampshire	www.bearhillblacksmith.com/plans_available.htm
Electrofunk 65 Striking Hammer	Jeffrey Funk, Bigfork, Montana	www.youtube.com/watch?v=-gGqh1iQwRc The hammer is for a series of single blows.
Triple 75 Pound Forging Hammer	Jeffrey Funk, Bigfork, Montana	www.youtube.com/watch?v=tCunzepTnul The hammer has three hammers for varying dies.
Little Giant Conversion	Ron Rubin, West Palm Beach, Florida and/or Jim Poor, Tuscola, Texas	The Facebook group, Power Hammer Forging, has a July 2020 video of the converted hammer.
Electronic Control	Ted Ewert, Mill Valley, California	https://youtu.be/hqNBWQx0Z8o
Post Driver		YouTube (To Be Determined)

H. Air, Self Contained – New Commercial, Small to Medium

General	Phil Cox' explanation of the inner workings of a self-contained hammer	www.youtube.com/watch?v=m4YXFVlocSQ&feature=youtu.be
General	James Johnson's introduction of and explanation of a self-contained hammer	www.youtube.com/watch?v=FZP8Bhv8rcY www.youtube.com/watch?v=XAu9YbCDTF0 plus others
Anyang (China)	USA - James Johnson, Alvord, Texas	www.anyangusa.net www.facebook.com/Anyang-USA-North-America-165691366809549/
Anyang (China)	Canada – Casey Vilensky, North Vancouver, Canada	www.anyangcanada.net
Ellsen (China)	[It appears that one orders a power hammer directly from Ellsen, rather than through a USA or Canada distributor.]	https://ellsenwroughtironmachine.com/power-hammer/ https://www.ellsenmachine.com/ellsen-forging-power-hammer-exported-to-usa/
Sahinler (Turkey)		Apparently, there is no USA importer. Past ones had been Brian Russell of Tennessee and Pieh Tool Co. of Arizona.
Say-Mak (Turkey)	Helmut Hillenkamp, Sante Fe, New Mexico	www.saymakhammers.com
EBR Metal (Turkey)		https://www.ebrmetal.com/products/forging-hammers/pneumatic-forging-hammers/
Narges MP50 & MP60 (Spain)	_____, Jurupa Valley, California	https://nargesusa.com/collections/power-hammers
LEFA Cengizler Makina A.Ş. (Turkey)	Levent Sahin	www.facebook.com/cengizlermakine He post the hammers in various Facebook groups.
TZrunfa (China)	Paul Krzyszkowski, St. Catherines, Canada	www.canadianblacksmithsupply.com/power-hammers/
C41-6KG Miniature (China)	Metal Forging Machine	https://www.youtube.com/watch?v=K-lgXY2t2zE

I. Air, Self Contained – Used, Small to Medium

Kuhn (Germany)		Information is at www.beautifuliron.com/gs_air_hammers_kuhn.htm
Reiter (Germany)		Information is at www.beautifuliron.com/gs_air_hammers_kuhn.htm
Striker (China)	The North American importer is no longer in business.	Chinese company is Shanxi. Substantial Striker information is at http://www.beautifuliron.com/gs_stc-88_air_hammer.htm
Stanko (Russia) Model MA 4129A	Mark Krause, Auburn, Washington	www.facebook.com/blacksmithmark Hammers had been in Port St. Lucie, Florida
Various, Used		www.anvilfire.com/tailgate/pages.php?catalog=machinery

J. Air, Self Contained – New & Used Commercial, Large

Anyang (China)	James Johnson, Alvord, Texas	www.anyangusa.net
Press Trade (German)		https://presstrade.com https://presstrade.com/maschinen-uebersicht.php?category=/maschinen/pneumatische-haemmer
Various, Used	Montreal, Canada	www.machineco.com
Various, Used		www.anvilfire.com/tailgate/pages.php?catalog=machinery
Massey		
Chambersburg		
Nazel		'How to Rebuild a Nazel' is available from Mark Krause.
Nazel	Bob Bergman et al, Postville, WI	https://www.postvilleblacksmith.com/nazel-specialists
Beche		

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K. Air, Self Contained – New Do-It-Yourself

USA's Mark Krause developed and demonstrated his prototype of a self-contained power hammer at the 2000 ABANA conference in Flagstaff, Arizona. He discusses his insights in the last eight pages of his book, Operating Principles of the Nazel Self-Contained Air Hammer, available on eBay.

L. Test of Power Hammers' Impact Energy

From an April 2018 exchange in the Facebook group, Power Hammer Forging, Tom Troszak, a creator of small and large air power hammers, offers this approach, now paraphrased, for the testing of the impact energy of power hammers:

The differences between individual examples of any given hammer brand/model can be profound, e.g., not all 25-pound Little Giants perform the same. In the same regard, not all self-contained hammers perform the same either. However, it is possible to measure the blow energy directly through the use of pre-calibrated deformable slugs of either steel or copper. This test method is proven, very accurate, and repeatable by anyone. No special skill is necessary for the tester.

Whether there is a market for blow energy test kits is uncertain. There would be a range of sizes, though, as the blow energies of commonly available hammers range from way less than 100 ft/lbs to well over 1,000 ft/lbs in a single blow. The supplier of the test kits would use samples from a given carton of soft iron or copper slugs to "calibrate", meaning the slugs are subjected to various known blow energies, e.g., 100 ft/lb - 200 ft.lb, etc. The deformed (shortened) slugs are measured; then, the results are averaged and plotted on a graph for that batch of slugs. The tester, using a soft copper wire as a handle, substitutes the slug for a workpiece for a single blow, measures the resulting height of the deformed slug with a caliper, then reads the actual blow energy from the graph supplied with the slug. There are a couple of different techniques for swapping out the slug, but the simplest is to start forging on a taller work piece while holding the slug on the bottom die, then slip the workpiece out and back in quickly allowing a single blow to deform the slug.

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This List of Power Hammers was compiled for ABANA by John Dittmeier, Silver Spring, Maryland, USA.