

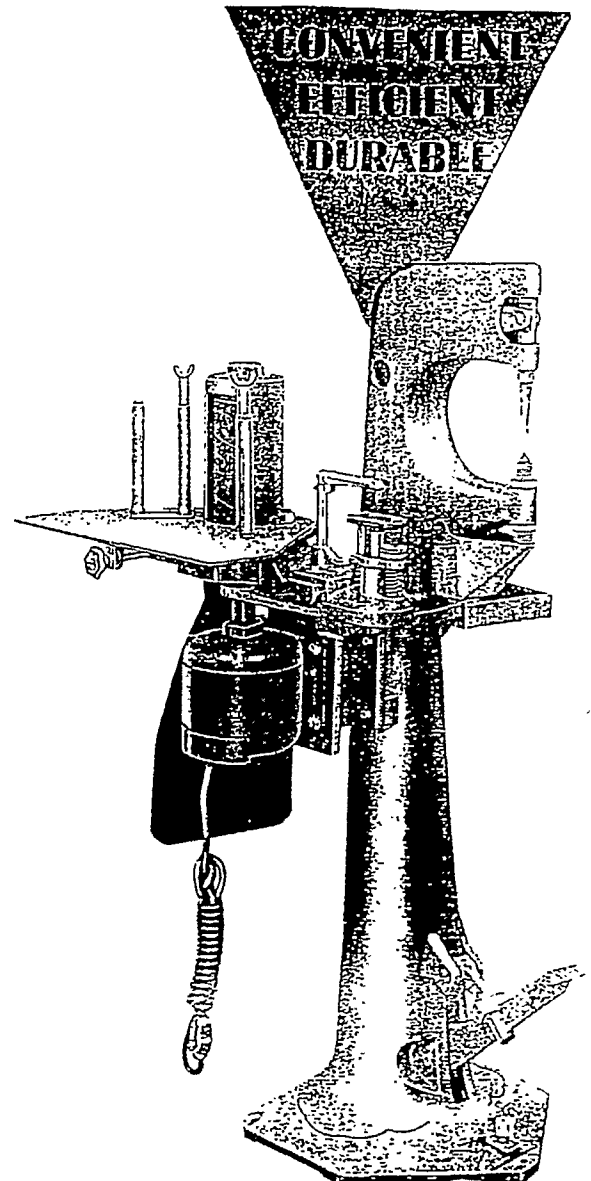
GRIZZLY**Model R - Heavy Duty
ALL PURPOSE BRAKE RELINER****DELINES • DRILLS
COUNTERSINKS
RIVETS • GRINDS**

This 5-operations-in-one machine is designed to meet the need of the repair shop or brake service station requiring a fast, HEAVY DUTY precision-type relining machine at a moderate price. Because it is designed for maximum operator comfort and convenience, it speeds up relining and refacing work and provides you with a satisfying profit per job.

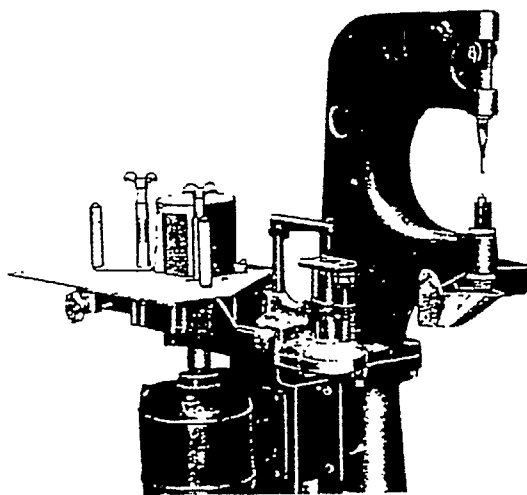
Powerful compounded toggle action leverage reduces operator fatigue. Tools, rivets and motor switch located within easy reach eliminate waste motion. Quickly interchangeable tooling permits fast switching from delining to riveting operations. Deep 7" throat accommodates a wide range of work. Anvil 39" from floor — most convenient height for average operator.

Since the powerful suction fan draws all grinding dust into a collecting bag and a quickly detachable rivet catcher prevents used rivets from falling to the floor, the Grizzly Model R can be used anywhere in the shop instead of being confined to the back. Grinding unit is mounted at right angles to drilling and riveting units for space-saving installation as well as step-saving operation.

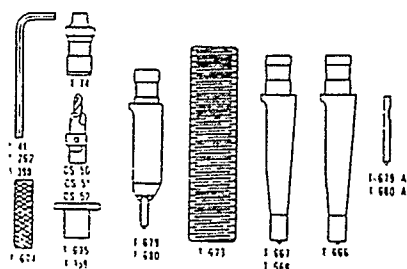
Can be set up in a corner or right against the wall. A large number of high grade special steel tools is furnished as standard equipment. A small investment in extra tools makes it possible to handle 1/4" rivets and do various types of special work.



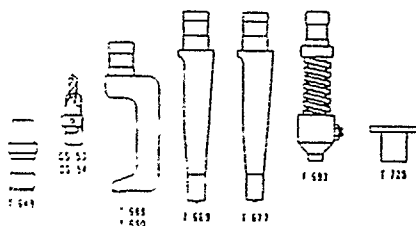
GRIZZLY MANUFACTURING CO.
1000 E. 10TH AVE. DENVER, COLO. 80202



MODEL R with 3" grinder in place of the standard 6 3/8". Note large grinder table and adjustable shoe stops for grinding lining to correct arc.



STANDARD TOOLS



SPECIAL TOOLS

MODEL R with a choice of 6 3/8" grinder or 3" grinder.

Available with standard 110 V. 60 C., 1 Ph., A.C. motor, cord, switch and plug, or Odd Voltage, Odd Frequency or D.C. motor.

No. 61 RIVETER only.

Shipping weight, Model R, 300 lbs. Net weight, 222 lbs. Boxed, 56" x 31" x 24"

Shipping weight, No. 61, 175 lbs. Net weight 125 lbs. Boxed, 56" x 17" x 17"

Three station design.

Sturdy cast construction for lasting service.

Adjustable Pedal stop saves the operator's energy, eliminating unnecessary foot pedal travel.

Compounded toggle-action leverage.

Quickly interchangeable tooling permits fast change from delining to riveting operations.

Detachable old rivet collector.

High grade special steel tools, carefully heat treated for long wear.

Adjustable riveting anvil quickly set for different lengths of brake lining and clutch facing rivets.

Ball bearing motor with quick V-belt adjustment. Grinder is direct motor driven.

Accurate locator pin assures correct positioning of brake lining over drill. Drilling table has adjustable stop for accurate control of countersink depth. Precision ground grinding table with adjustable grinding arc and suction dust bag.

Belt tension quickly obtained without moving motor.

THESE STANDARD TOOLS FURNISHED

T-673	Anvil Holder	T-41	1/4" Allen Wrench
T-674	Anvil Holder Nut (2)	T-262	3/16" Allen Wrench
T-679	2-pc. Knockout Punch for 9/64" Rivets	*CS-50	9/64" x 1/2" Quick Change 2-pc. Drill
T-680	2-pc. Knockout Punch for 3/16" Rivets	*CS-51	3/16" x 1/4" Quick Change 2-pc. Drill
T-667	Roll Clincher for 9/64" Rivets	*CS-52	9/64" x 3/16" Quick Change 2-pc. Drill
T-668	Roll Clincher for 3/16" Rivets	T-390	Allen Wrench for No. 8-32 Screw
T-666	Star Clincher for 9/64" Rivets	T-679-A	9/64" Knockout Pins (6)
T-74	Anvil for 5/16" and 1/2" Head Rivets	T-680-A	3/16" Knockout Pins (3)
T-675	Bushing for Clutch Plate Work	DA-117	3" Abrasive Sleeve or
		DA-159	6 3/8" Abrasive Sleeve

Small Additional Investment in Extra Tools Widens Operating Scope of Model R Machine.

A small investment in extra tools will widen the operating scope of your Model R machine to include the entire range of brake and clutch relining jobs.

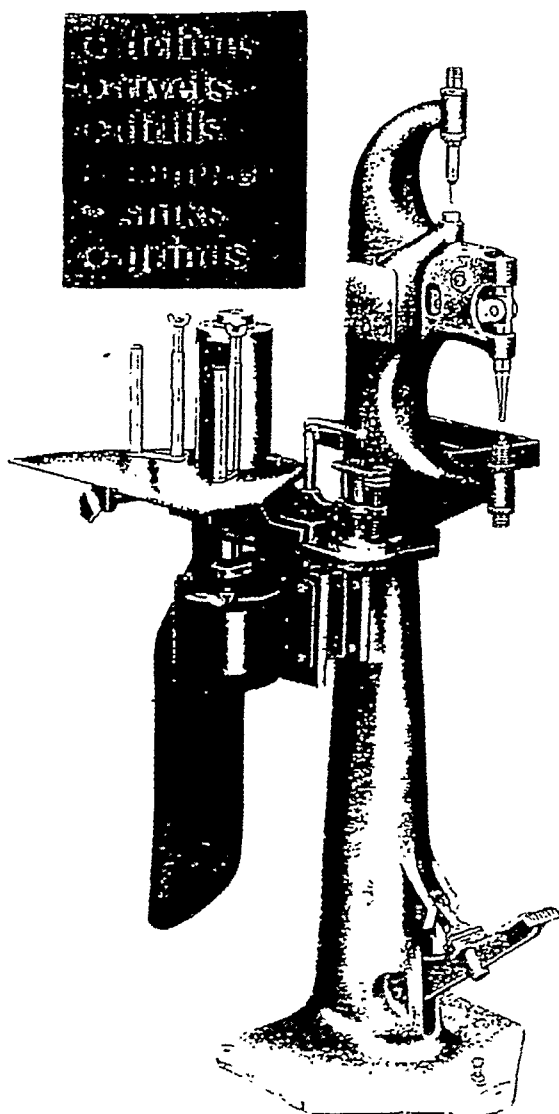
- T-649 Anvil for 1/2" Head Rivets
- *CS-53 3/16" x 1/2" Quick Change 2-pc. Drill
- *CS-54 1/2" x 1/2" Quick Change 2-pc. Drill
- T-689 Gooseneck Roll Clincher for 9/64" Rivets
- T-690 Gooseneck Roll Clincher for 3/16" Rivets
- T-669 Roll Clincher for 1/2" Rivets
- T-677 Star Clincher for 3/16" Rivets
- T-693 2-pc. Stripper Knockout Punch for Solid Steel Clutch Rivets
- T-725 Bushing for Removing Solid Steel Clutch Rivets
- *Carbon Tip Tipped Countersinks

GRIZZLEY MODEL E

HEAVY DUTY

4 - STATION

BRAKE RELINER



The Model E has always been recognized in automotive circles as being the finest and strongest all purpose brake reliner of the heavy duty type. It permits the relining of car and truck brake shoes with original factory accuracy. It handles tubular or solid brake lining rivets with ease and time saving speed. Massive in design and construction, it is the ideal machine for shops handling a large volume of brake repair and clutch facing work. The head is of the multiple type which eliminates the necessity for changing tooling when switching from delining to riveting operations. Old rivets are knocked out and fall into a self-contained old rivet collector. Riveting throat is 7 inches deep permitting the handling of any size brake shoe as well as small diameter bands. The countersink drills are operated at a speed of 3,000 R.P.M. and the depth of the countersink is controlled through automatic stops. The rubber mounted cushion abrasive is direct connected to the motor and the new and improved method of increasing suction through the dust collector eliminates occupational hazards where large volume work is done. To every shop handling a large volume of brake and clutch repairs the new Model E Heavy Duty Brake Reliner is a sure means of doing faster, better work, at a more satisfying profit per job.

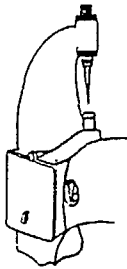
Equipped with
**CARBOLOY TIPPED
COUNTERSINKS**

GRIZZLEY MANUFACTURING COMPANY
MILWAUKEE, WISCONSIN

THAT MAKE WORK EASY — — AND PROFITABLE

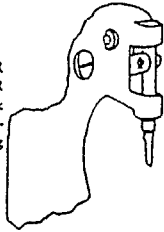
SET BACK DELINER

... Full vision clearance. Maximum leverage. Has motionless, yet adjustable knockout punch. Old rivets removed by action of anvil which raises brake shoe to knock out punch.



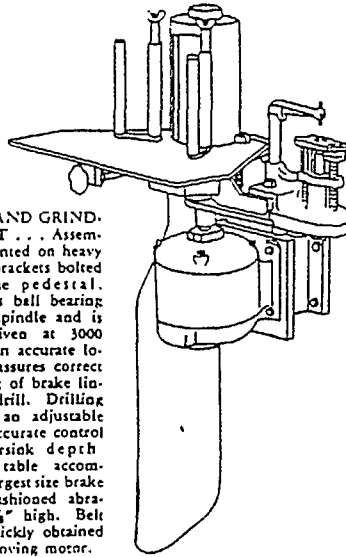
LOW HEAD FOR SMALL DIAMETER BANDS

... Work made more convenient by deep riveting throat.



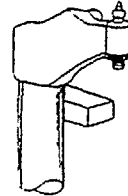
DRILLING AND GRINDING UNIT

... Assembly is mounted on heavy cast iron brackets bolted to machine pedestal. Driller has ball bearing mounted spindle and is V-belt driven at 3000 R.P.M. An accurate locator pin assures correct positioning of brake lining over drill. Drilling table has an adjustable stop for accurate control of countersink depth. Grinding table accommodates largest size brake shoes. Cushioned abrasive is 6 3/4" high. Belt tension quickly obtained without moving motor.



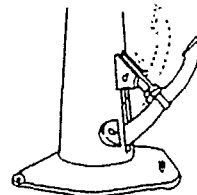
ADJUSTABLE RIVETING ANVIL

... May be quickly set for any length rivet. Note the large rivet tray bolted to the machine pedestal.

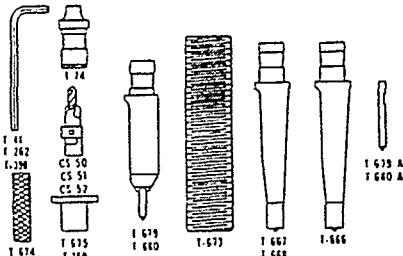


ADJUSTABLE PEDAL STOP

... Raising the stop as shown provides greater clearance between anvil and clincher for large brake shoes. Assures maximum leverage and greater power in setting long rivets. In normal operation, the rubber bumper permits shorter foot pedal strokes and saves the operator's energy, assuring faster output with less operator fatigue.



THESE STANDARD TOOLS FURNISHED



- T-664 Knockout Holder
- T-674 Knockout Holder Nuts (2)
- T-673 Anvil Holder
- T-674 Anvil Holder Nuts (2)
- T-679 2-pc. Knockout Punch for 9/64" Rivets
- T-680 2-pc. Knockout Punch for 3/16" Rivets
- T-667 Roll Clincher for 9/64" Rivets
- T-668 Roll Clincher for 3/16" Rivets
- T-666 Star Clincher for 9/64" Rivets
- T-674 Anvil for 3/16" and 1/4" Head Rivets

- T-359 Bushing for Clutch Plate Work
- T-41 1/4" Allen Wrench
- T-262 5/16" Allen Wrench
- *CS-50 9/64" x 1/4" Quick Change 2-pc. Drill
- *CS-51 3/16" x 1/4" Quick Change 2-pc. Drill
- *CS-52 9/64" x 5/16" Quick Change 2-pc. Drill
- T-390 Allen Wrench for No. 8 — 32 Screw
- T-679-A 9/64" Knockout Pins (6)
- T-680-A 3/16" Knockout Pins (3)
- DA-159 6 3/4" Abrasive Sleeve

THE MODEL E

Model E with standard A.C., 110 V., 60 C., 1 Ph. motor, cord, switch and plug.

Also available with Odd Voltage, Odd Frequency Motor, or D.C. Motor.

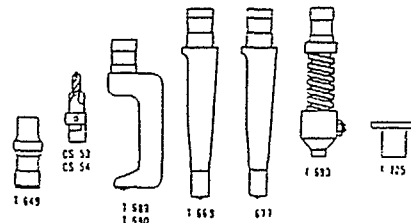
Shipping Wt. 330 lbs.
Net Weight, 255 lbs..
Boxed, 61" x 33" x 26".

No. 38—Model E, Deliner and Riveter only.

Shipping Wt., 280 lbs.
Net Weight, 205 lbs..
Boxed 60" x 22" x 32".

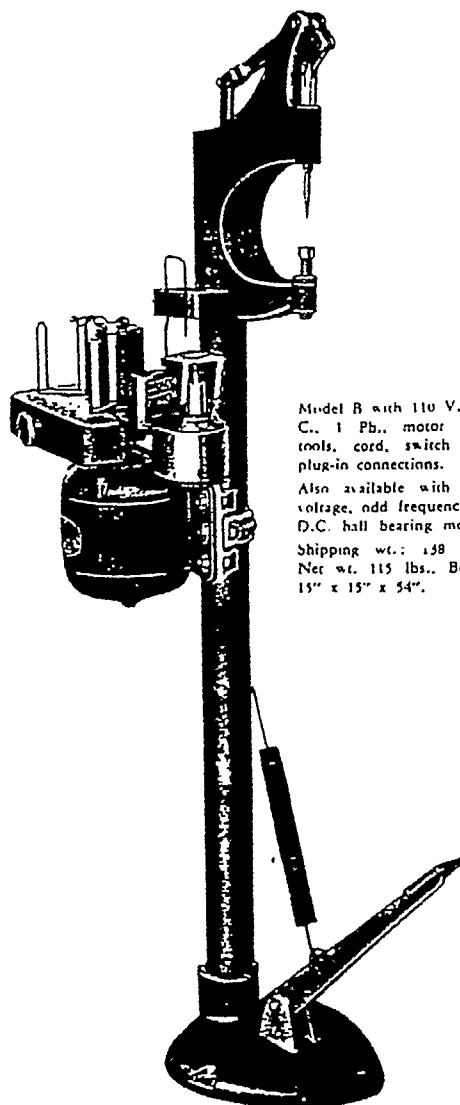
Prompt Delivery.

Small Additional Investment in Extra Tools Widens Operating Scope of Model E Machine.



- T-649 Anvil for 1/2" Head Rivets
- *CS-53 3/16" x 1/4" Quick Change 2-pc. Drill
- *CS-54 1/4" x 1/4" Quick Change 2-pc. Drill
- T-689 Gooseneck Roll Clincher for 9/64" Rivets
- T-690 Gooseneck Roll Clincher for 3/16" Rivets
- T-669 Roll Clincher for 1/4" Rivets
- T-677 Star Clincher for 3/16" Rivets
- T-693 2-pc. Stripper Knockout Punch for Solid Steel Clutch Rivets
- T-481 Bushing for Removing Solid Steel Clutch Rivets

*Carbide Tipped Countersinks



Model B with 110 V., 60 C., 1 Ph., motor with tools, cord, switch and plug-in connections.

Also available with odd voltage, odd frequency or D.C. ball bearing motor.

Shipping wt.: 198 lbs., Net wt. 115 lbs., Boxed 15" x 15" x 54".

ADDITIONAL TOOLS AVAILABLE FOR MODEL B

- T-743 Knockout Punch for 3/16" Rivets
- T-675 Bushing (13/32" hole) for Clutch Plate Work
- T-744 Star Clincher for 3/16" Rivets
- T-745 Gooseneck Roll Clincher for 9/64" Rivets
- T-746 Gooseneck Roll Clincher for 3/16" Rivets
- T-649 Anvil for 1/2" Head Rivets
- *CS-52 9/64" x 5/16" Quick-Change 2-Piece Drill
- *CS-53 3/16" x 1/2" Quick-Change 2-Piece Drill
- *CS-54 1/4" x 1/2" Quick-Change 2-Piece Drill
- * Carbide Tipped Countersinks

Toggle Type Riveter with Driller and Grinder

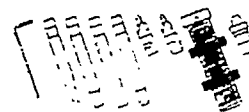
The Model B is a complete unit for delining, drilling, riveting and grinding of brakes and clutches. Rivets up to 3/16" can be upset easily and quickly, due to the toggle lever action which multiplies many times the actual foot pressure exerted.

Handles any passenger car brake shoes and all but the largest bus and truck jobs. Deep riveting throat, adjustable anvil, built-in tool rack and other exclusive features, contribute to greater speed, accuracy and operator convenience. Driller is ball-bearing equipped and abrasive drum is the cushioned type. Adjustable guides insure speedy grinding of practically any size shoe.

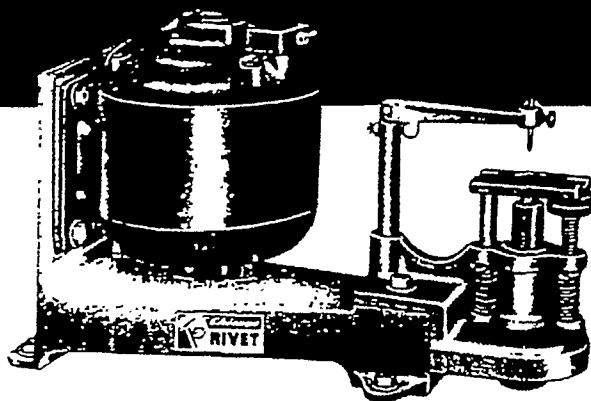
ADDITIONAL FEATURES

- Malleable iron riveting head.
- Spring Pedal return.
- V-Belt drive for driller.
- Ball bearing mounted motor.
- Accurate locator pin centers lining over drill and hole in brake shoe. Automatic stop controls countersink depth.
- Grinder is direct motor driven.
- Belt tension quickly obtained without moving motor.

STANDARD TOOLS FURNISHED WITH MODEL B



- T-739 Knockout Punch for 9/64" Rivets
- T-741 Roll Clincher for 3/16" Rivets
- T-740 Roll Clincher for 9/64" Rivets
- T-742 Star Clincher for 9/64" Rivets
- T-70 Adjustable Anvil Holder
- T-70A Adjustable Anvil Holder Nuts (2)
- T-74 Low Anvil for 5/16" and 3/8" Head Rivets
- T-41 1/4" Allen Wrench
- *CS-50 9/64" x 3/8" Quick-Change 2-Piece Drill
- *CS-51 3/16" x 3/8" Quick-Change 2-Piece Drill
- T-390 Allen Wrench for No. 8-32 Screw



Drilling and Countersinking Unit

(BENCH TYPE)

Power and speed recommend this unit which is compactly mounted on a cast metal base, ready to bolt to bench or table. Drill table is so constructed that its operating action assures **DIRECT AND PERMANENT ALIGNMENT** with drill. Driller has ball bearing mounted spindle and is V-belt driven. Minimum vibration. Quick adjusting positive depth stop for accurate control of countersink depth. Belt tension quickly obtained without moving motor.

TOOLS FURNISHED

9/64" x 3/8" and 3/16" x 3/8" carbide tipped quick change 2 pc. drills.

Shipping weight, 60 lbs. Net weight, 45 lbs. Boxed, 17" x 12" x 16".



GRIZZLY No. 54 DELINER AND RIVETER

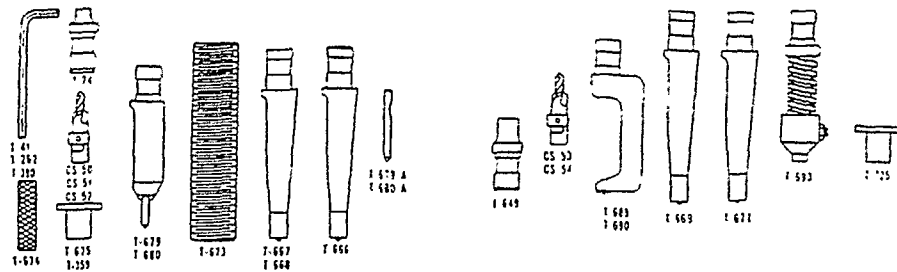
This two-purpose unit is identical to the Model B Machine except that the combination driller-grinder is eliminated. The toggle design in the head develops such great leverage in relationship to actual foot pressure that delining and riveting, involving use of 3/16" and 9/64" brake lining and clutch plate rivets, are simple easy operations.

Anvil height is adjustable by means of two knurled locking nuts on the anvil holder. Knock out and riveting tools are locked in position by means of an Allen Wrench. The deep throat permits handling all small diameter bands as well as regular brake shoes and clutch plates. Ten tools for 9/64" and 3/16" rivets are furnished as standard equipment. Additional tools, including those used in offset operation may also be had at a slight additional cost.

Shipping weight 70 lbs. Boxed 15" x 15" x 54".



For use on the following machines:
GRIZZLY MODEL E, GRIZZLY MODEL R, No. 38 AND No. 61



Knockout Punches and Pins

T-679	Two-Piece Knockout Punch for 9/64" rivets.....	\$3.60
T-680	Two-Piece Knockout Punch for 3/16" and 1/4" rivets.....	3.60
T-679A	9/64" Knockout Pin (Minimum Quantity 6) Package of 6.....	1.80
T-680A	3/16" Knockout Pin for 3/16" and 1/4" rivets (Minimum Quantity 3) Package of 3.....	.90
T-693	Two-Piece Stripper Knockout Punch for Solid Clutch Plate Rivets.....	8.40
T-693B	Knockout Pin for T-693 (Minimum Quantity 3) Package of 3.....	.90

Clinchers

T-667	Roll Clincher for 9/64" rivets.....	1.50
T-668	Roll Clincher for 3/16" rivets.....	1.50
T-669	Roll Clincher for 1/4" rivets.....	2.40
T-666	Star Clincher for 9/64" rivets.....	1.70
T-677	Star Clincher for 3/16" rivets.....	2.00
T-689	Gooseneck Roll Clincher for 9/64" rivets.....	5.00
T-690	Gooseneck Roll Clincher for 3/16" rivets.....	5.00

Anvils

T-74	Anvil for 5/16" and 3/8" head rivets.....	.90
T-649	Anvil for 1/2" head rivets.....	1.15

Bushings

T-359	Bushing (13/32" hole) Grizzly Model E and No. 38.....	1.50
T-481	Bushing (9/32" hole) Grizzly Model E and No. 38.....	1.60
T-675	Bushing (13/32" hole) Grizzly Model R and No. 61.....	1.15
T-725	Bushing (9/32" hole) Grizzly Model R and No. 61.....	1.60

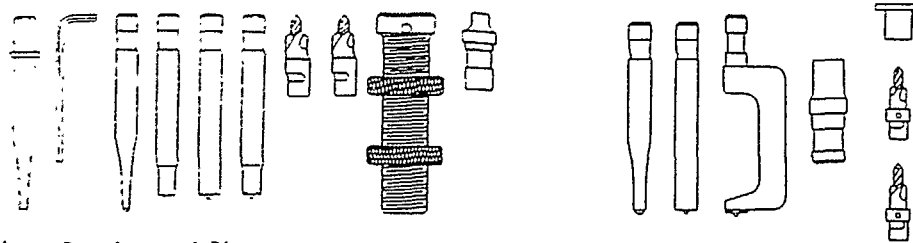
Counterbores and Drills (Carboloy tipped counterbores)

CS-50	9/64" x 3/8" Quick Change 2-Piece Drill (For No. 5 Rivet).....	4.75
CS-51	3/16" x 3/8" Quick Change 2-Piece Drill (For No. 7 Rivet).....	4.75
CS-52	9/64" x 5/16" Quick Change 2-Piece Drill (For No. 3 and 4 Rivets).....	4.75
CS-53	3/16" x 1/2" Quick Change 2-Piece Drill (For No. 8 Rivet).....	5.90
CS-54	1/4" x 1/2" Quick Change 2-Piece Drill (For No. 10 Rivet).....	5.90
CS-50A	9/64" Drill Only.....	.40
CS-51A	3/16" Drill Only.....	.40
CS-64A	1/4" Drill Only.....	.65

Miscellaneous

T-673	Anvil Holder.....	3.00
T-674	Nut for T-673 and T-664.....	.55
T-664	Knockout Holder (Grizzly Model E and No. 38).....	3.00
T-657	Knockout Horn for Heavy Brake Shoes.....	4.20
T-41	1/4" Allen Wrench.....	.20
T-262	5/16" Allen Wrench.....	.20
T-390	Wrench for No. 8-32 2-pc. Drills.....	.20
T-391	Wrench for No. 10-32 2-pc. Drills.....	.20
DA-159	Abrasive Sleeve (Grizzly Model E and Grizzly Model R with 6-5/8" grinder) package of 6.....	3.60
DA-117	Abrasive Sleeve (Grizzly Model R with 3" grinder), package of 6.....	3.60

For use on the following machines:
GRIZZLY MODEL B AND No. 54



Knockout Punches and Pins

T-739	Knockout Punch for 9/64" Rivets	\$1.10
T-743	Knockout Punch for 3/16" and 1/4" Rivets	1.10
T-747	2-piece Stripper Knockout Punch for Solid Steel Clutch Rivers	8.40

Clinchers

T-740	Roll Clincher for 9/64" Rivets	1.50
T-741	Roll Clincher for 3/16" Rivets	1.50
T-756	Roll Clincher for 1/4" Rivets	2.40
T-742	Star Clincher for 9/64" Rivets	1.50
T-744	Star Clincher for 3/16" Rivets	1.60
T-745	Gooseneck Roll Clincher for 9/64" Rivets	5.00
T-746	Gooseneck Roll Clincher for 3/16" Rivets	5.00

Anvils

T-74	Anvil for 5/16" and 3/8" Head Rivets	.90
T-649	Anvil for 1/2" Head Rivets	1.15

Bushings

T-675	Bushing (13/32" hole) for Clutch Plate Work	1.15
T-725	Bushing (9/32" hole) for Clutch Plate Work	1.60

Counterbores and Drills

(Counterbores are Carboly Tipped)

CS-50	9/64" x 3/8" Quick Change 2-Piece Drill	4.75
CS-51	3/16" x 3/8" Quick Change 2-Piece Drill	4.75
CS-52	9/64" x 5/16" Quick Change 2-Piece Drill	4.75
CS-53	3/16" x 1/2" Quick Change 2-Piece Drill	5.90
CS-54	1/4" x 1/2" Quick Change 2-Piece Drill	5.90
CS-50A	9/64" Drill	.40
CS-51A	3/16" Drill	.40
CS-61A	1/4" Drill	.65

Miscellaneous

T-41	1/4" Allen Wrench	.20
T-70	Adjustable Anvil Holder	2.30
T-70A	Adjusting Nut for T-70	.55
T-262	5/16" Allen Wrench	.20
T-390	Wrench for No. 8-32 2-pc. Drills	.20
T-391	Wrench for No. 10-32 2-pc. Drills	.20
SP-21	Abrasive Sleeves (2-1/4" x 3-3/16"). Package of 6	3.00