

PUBLISHED BY FORD MOTOR COMPANY OF CANADA, LIMITED, FORD, ONTARIO, CANADA

No. 12

MAY, 1924

Vol. 5

Page 93

Modern Repair Equipment

IN our April, 1924, Service Bulletin, we gave you a basis from which you can operate your Service Department on a Flat Rate Labor Charge system.

We also explained and illustrated the various Service Forms, which we devised, in order that you might put system into your Service Department and standardize your repair charges.

In this Bulletin we are illustrating modern and approved repair equipment.

We have spent several years conducting tests on every piece of repair equipment which we were able to locate with the result that we are now able to advise you on different equipment and describe its operation.

In succeeding Bulletins each piece of equipment will be described and its operation thoroughly explained.



Fig. 90
Oversize
Push Rod
Reamer

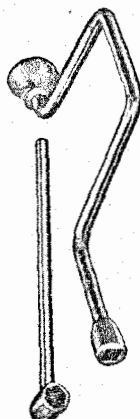


Fig. 91
Speed
Wrenches
Set

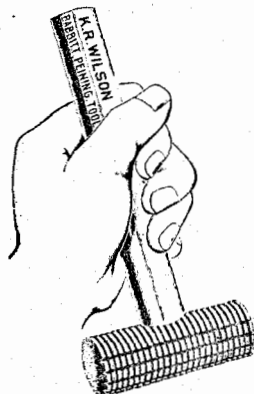


Fig. 92
Peining Tool

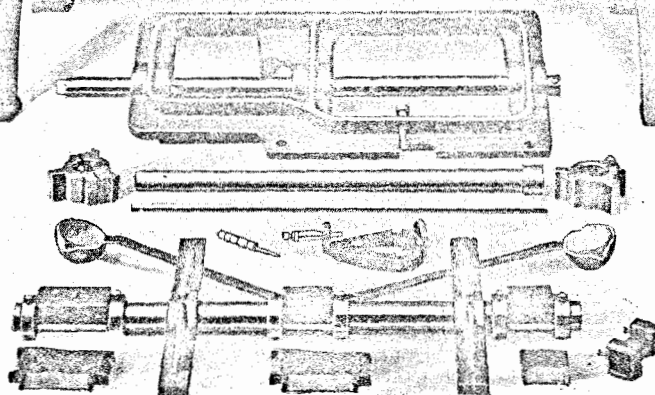
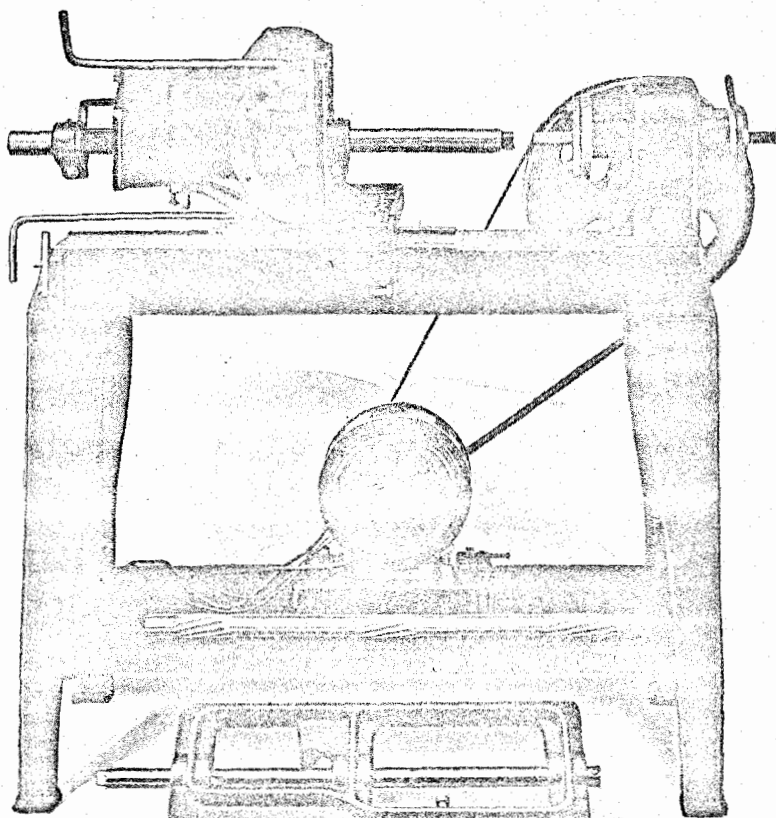


Fig. 93
Combination Machine

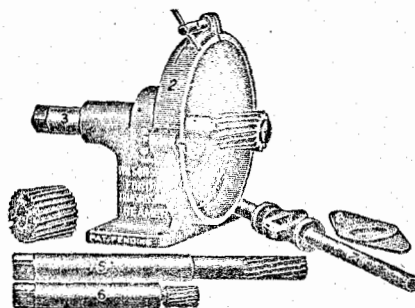


Fig. 94
Transmission Reaming Machine



Fig. 95
Spindle Body
Bushing Reamer

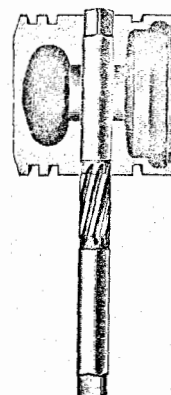


Fig. 96
Piston Pin
Bushing Reamer

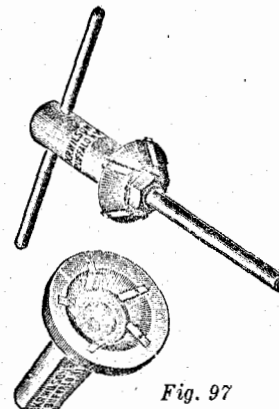


Fig. 97
Valve Facer and Seater

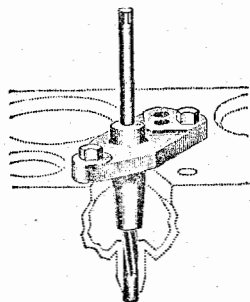


Fig. 98
Valve Stem Reamer
and Guide—Oversize

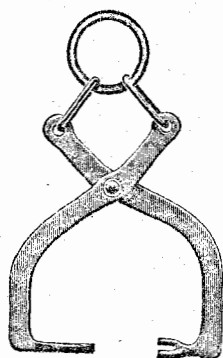


Fig. 99
Lifting Tongs

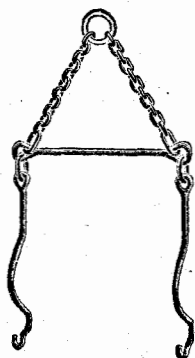


Fig. 100
Front End Lift Hook

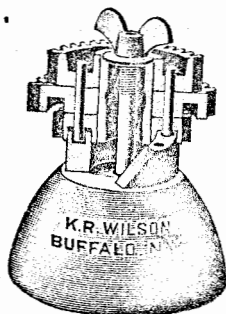


Fig. 101
Triple Gear Riveting Jig

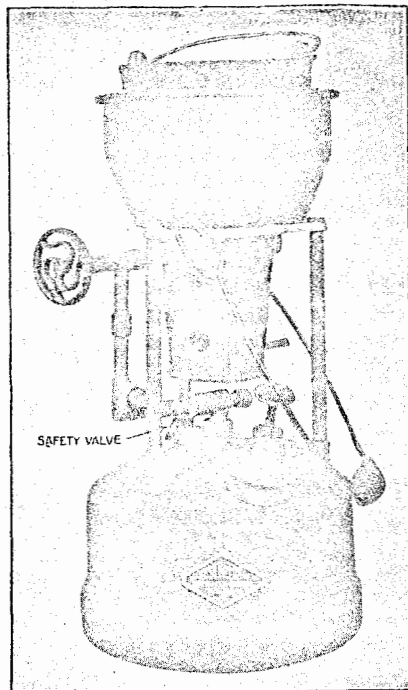
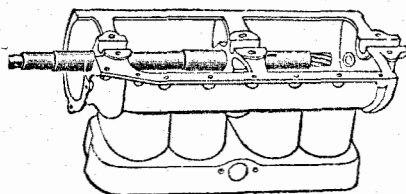


Fig. 102
Babbitt Melting Torch



K.R. WILSON, BUFFALO, N.Y.
Fig. 103 and 104
Camshaft Align Reamer

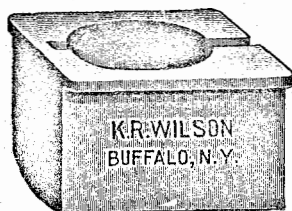


Fig. 105
Camshaft Reamer and Jig

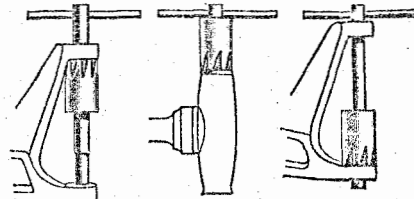


Fig. 106
Spindle Body Bushing Facer

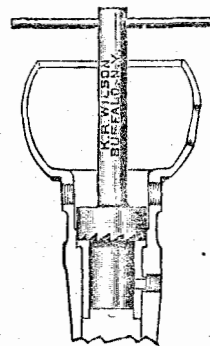


Fig. 107
D. S. Bushing Facer

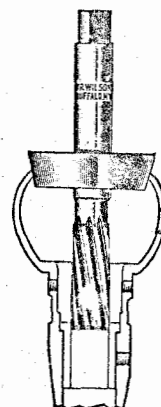


Fig. 108
D. S. Bushing Reamer and Jig



Fig. 109
Rear End Lift Hook

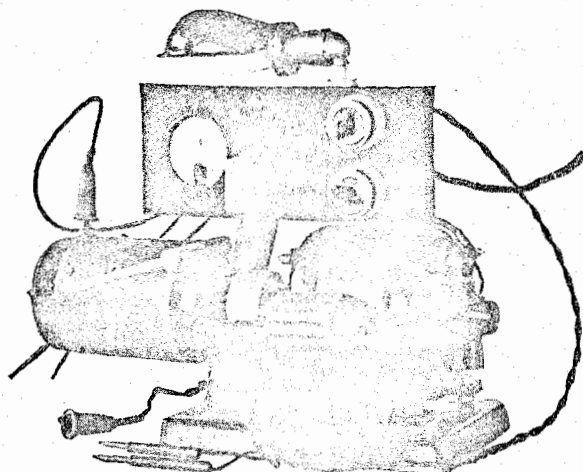


Fig. 110
Generator Test Stand

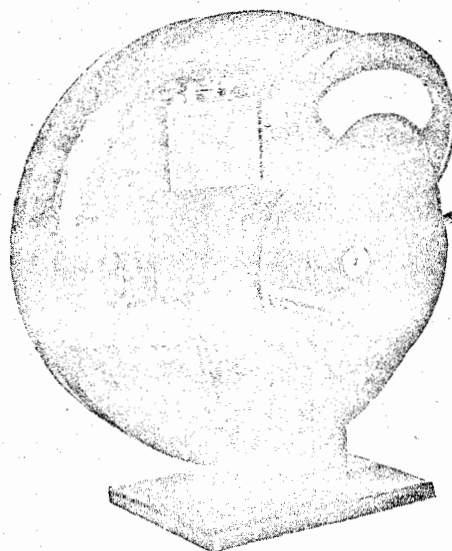


Fig. 112
Coil Tester

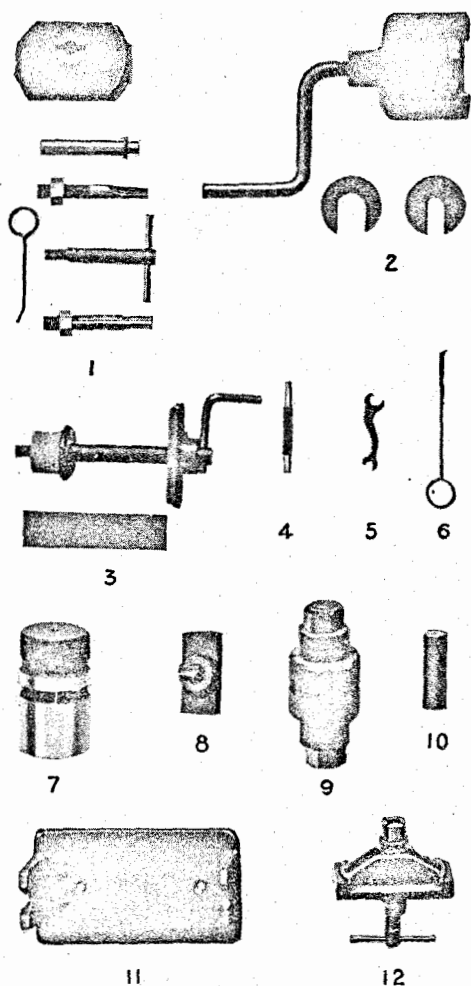


Fig. 111
Generator and Starting Motor Repair Kit

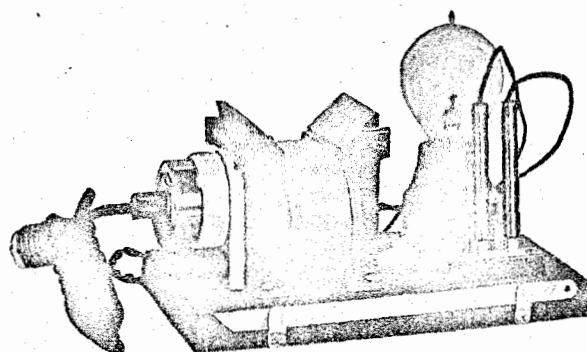


Fig. 113
Growler and Test Points

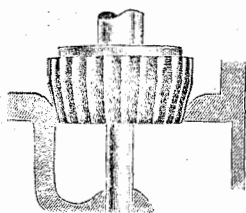


Fig. 114
Valve Seater 75°

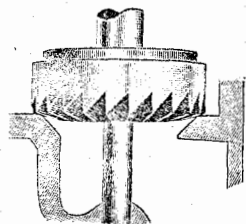


Fig. 115
Valve Seater 15°

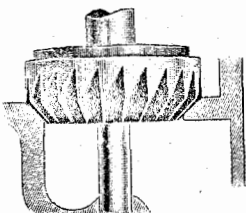


Fig. 116
Valve Seater 45°

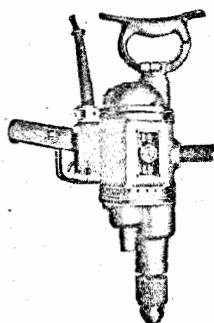


Fig. 117
1/2" Drill

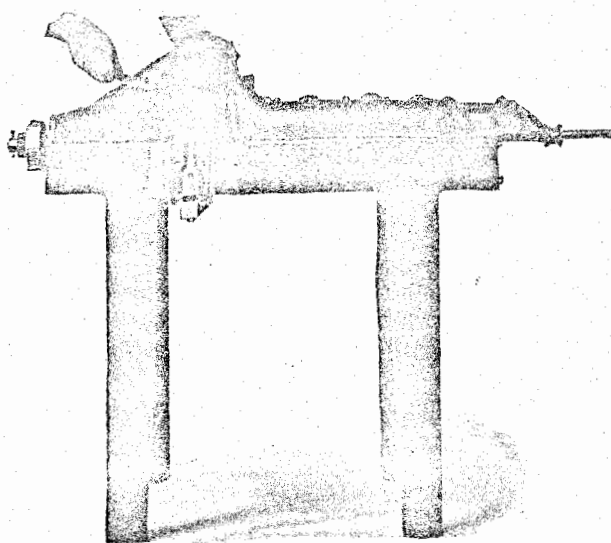


Fig. 119
Crankcase Straightening Jig

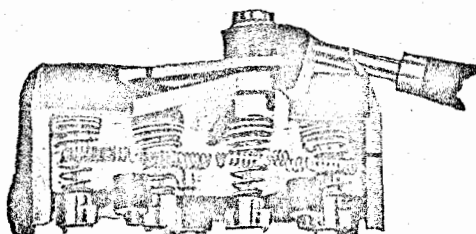


Fig. 120
Valve Grinder—Multiple

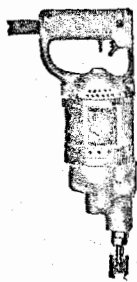


Fig. 121
Valve Grinder
Electric

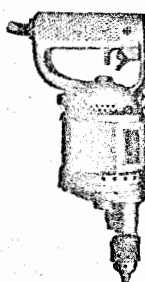


Fig. 122
1/4" Drill

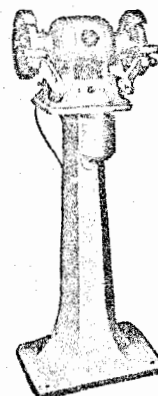


Fig. 124
8" Grinder
Mounted on
Stand

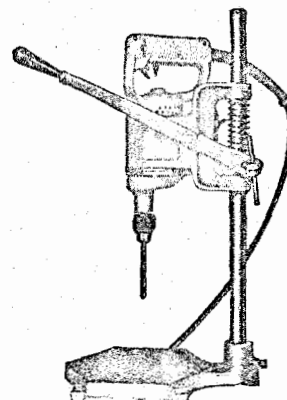


Fig. 125
1/4" Post Drill Attachment

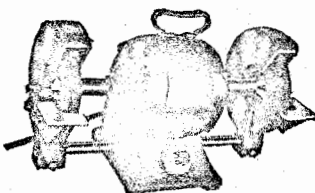


Fig. 118
6" Grinder

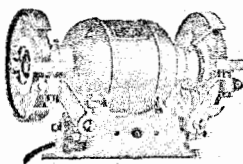


Fig. 123
8" Grinder

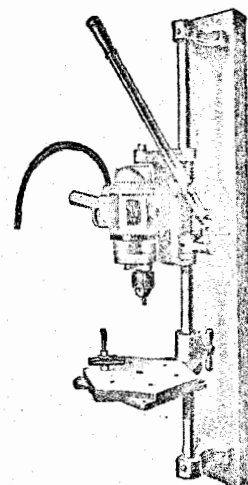


Fig. 126
1/2" Post Drill
Attachment

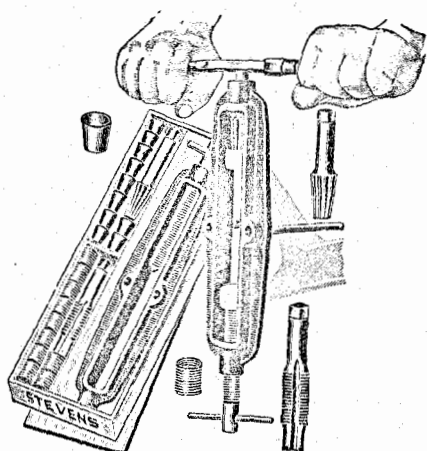


Fig. 127
Axle Bushing Tools

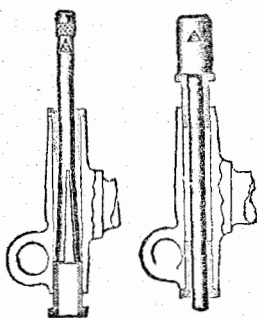


Fig. 130 Fig. 131
Spindle Body Bushing
Extractor and Inserter

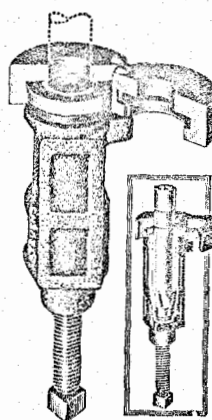


Fig. 135
D. S. Sleeve Puller

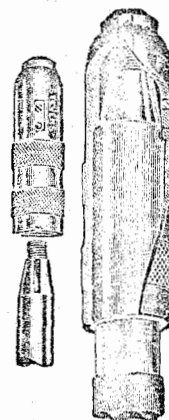


Fig. 136
D. S. Sleeve Driver

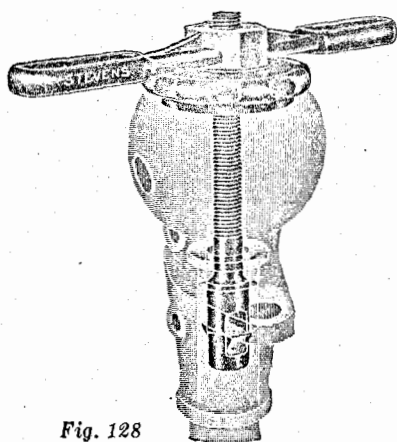


Fig. 128
D. S. Bushing Extractor

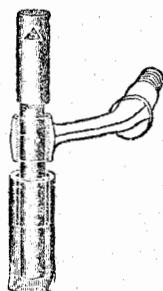


Fig. 132
Spindle Arm Bush-
ing Extractor

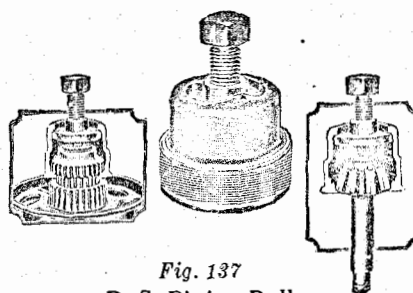


Fig. 137
D. S. Pinion Puller

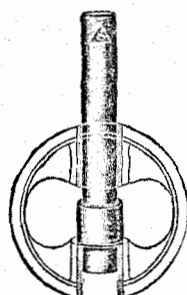


Fig. 133
Piston Pin Bush-
ing Driver

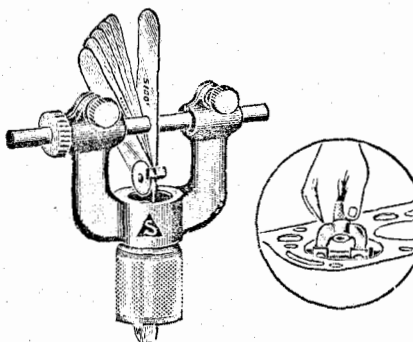


Fig. 138
Cylinder Micro Gauge

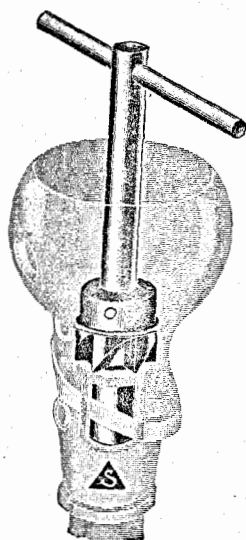


Fig. 129
D. S. Bushing Facer

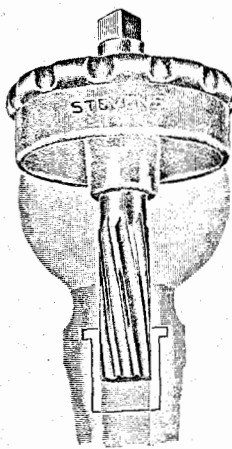


Fig. 134
D. S. Bushing Reamer and Jig

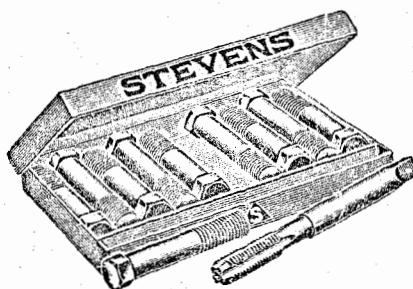


Fig. 139
Cylinder Capscrew Set

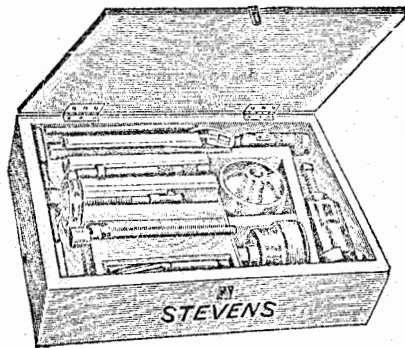


Fig. 140
D. S. Repair Kit

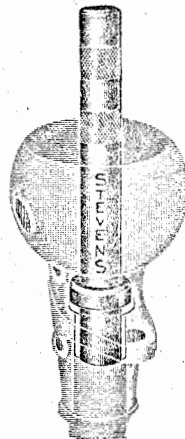


Fig. 143
D. S. Bushing Driver

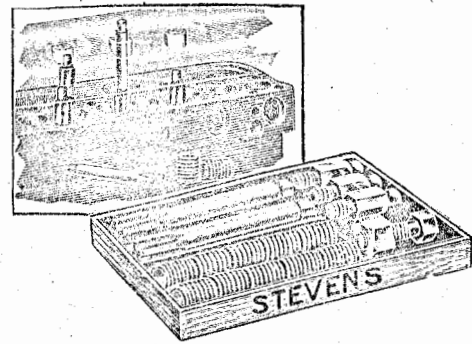


Fig. 146
Cylinder Bushing Set

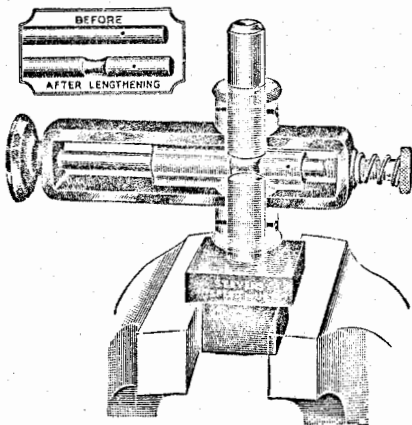


Fig. 141
Valve Stem Swedge

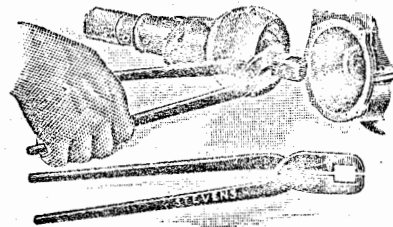


Fig. 147
Universal Joint Tongs

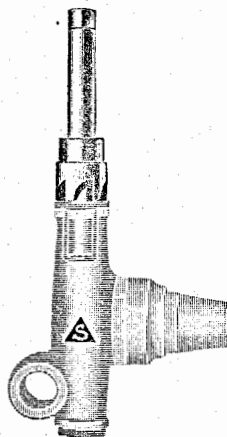


Fig. 144
Spindle Body Bushing Facer

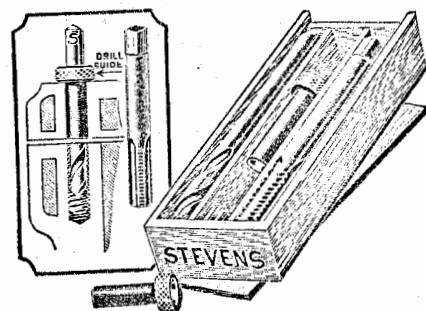


Fig. 148
Tap and Drill Set

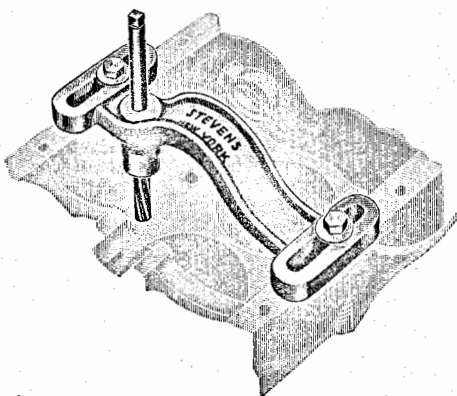


Fig. 142
Push Rod Reamer and Jig—Oversize



Fig. 145
Surface Plate

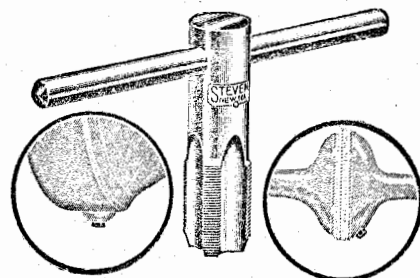


Fig. 149
Rethreader

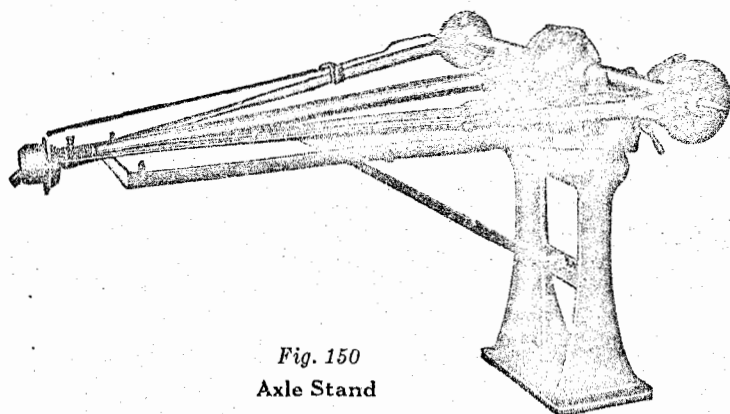


Fig. 150
Axle Stand

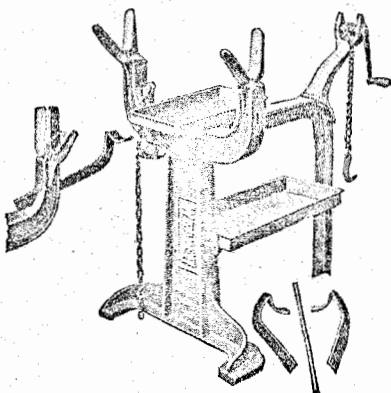


Fig. 155
Axle Stand

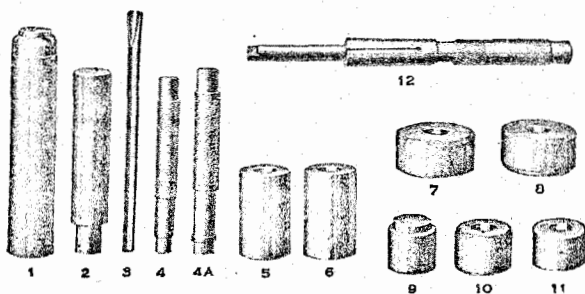


Fig. 151
Bushing Driver Set

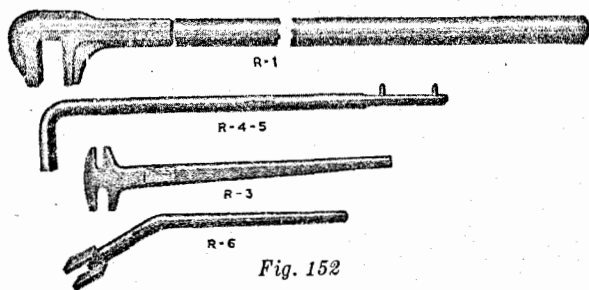


Fig. 152
Bending Bars

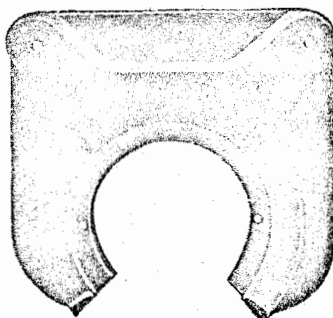


Fig. 156
Differential Holding Plate

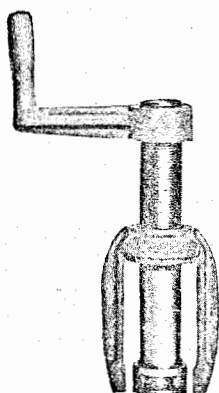


Fig. 153
Sleeve Puller Model T



Fig. 154
Sleeve Puller Model TT

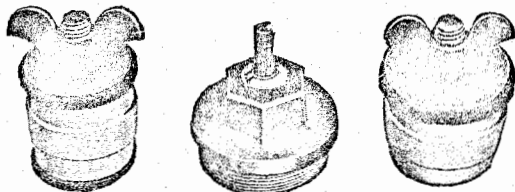


Fig. 157
Radiator Test Plugs

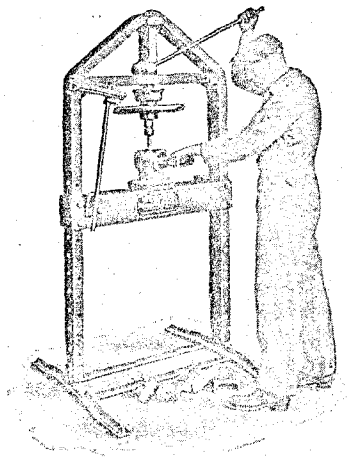


Fig. 158
Arbor Press

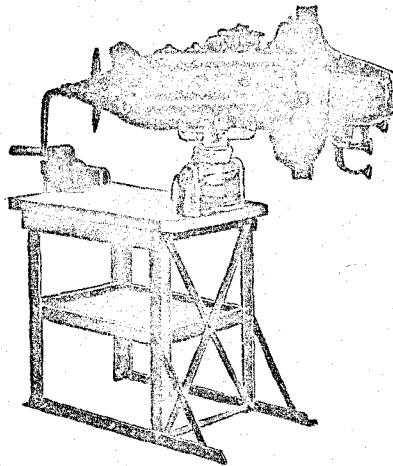


Fig. 162
Engine Stand

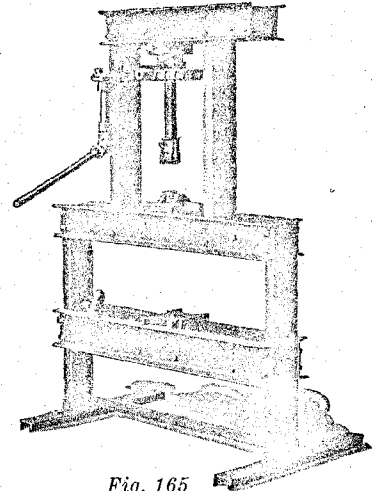


Fig. 165
Arbor Press

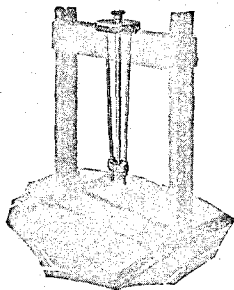


Fig. 159
Press Attachment

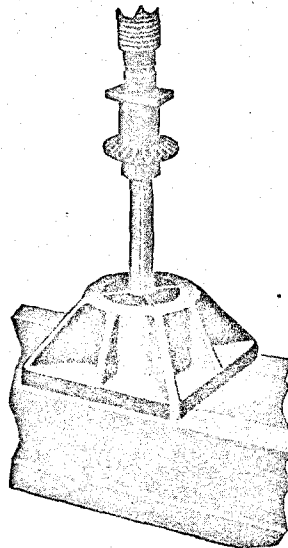


Fig. 163
Compression Clutch

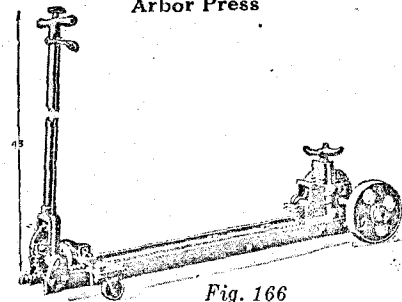


Fig. 166
Jack

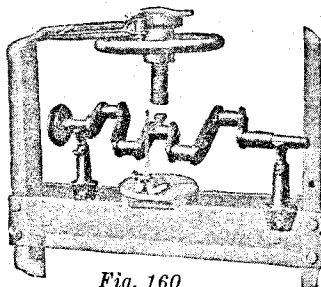


Fig. 160
Press Attachment

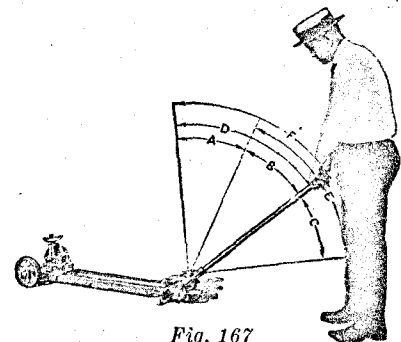


Fig. 167
Jack

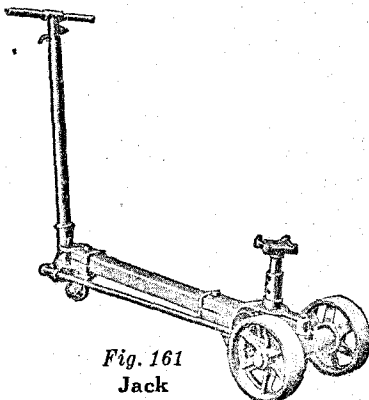


Fig. 161
Jack

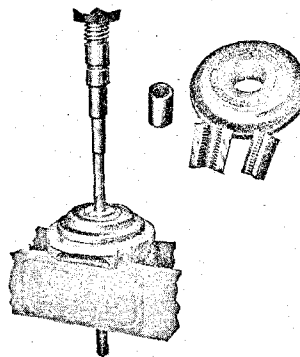


Fig. 164
Compression Clutch

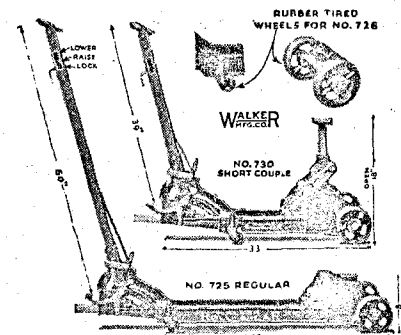


Fig. 168
Jack

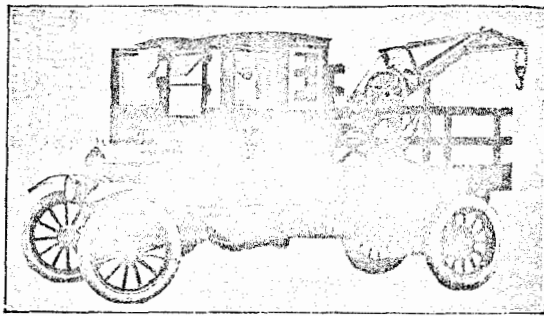


Fig. 169
Wrecking Crane

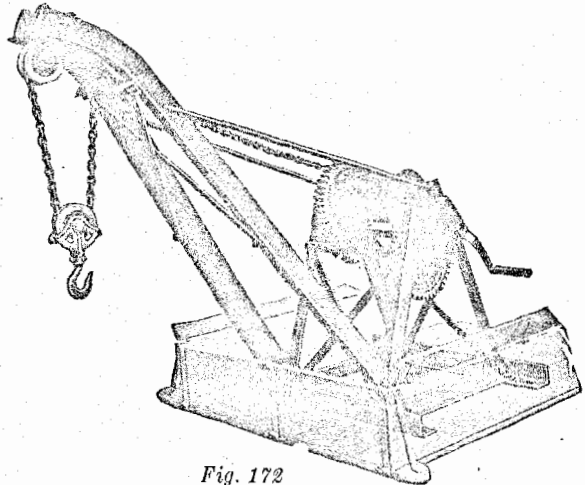


Fig. 172
Wrecking Crane



Fig. 170
Cylinder Hone

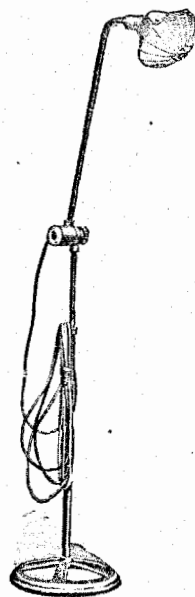


Fig. 173
Garage Light

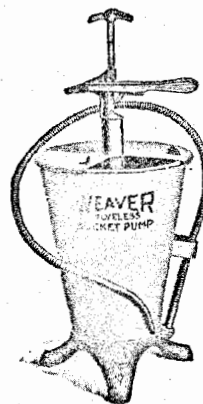


Fig. 174
Bucket Pump

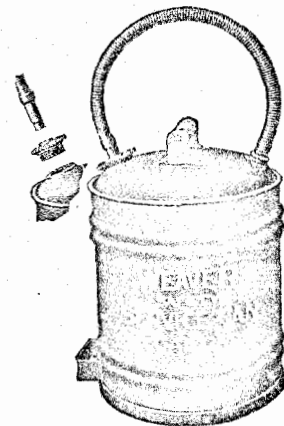
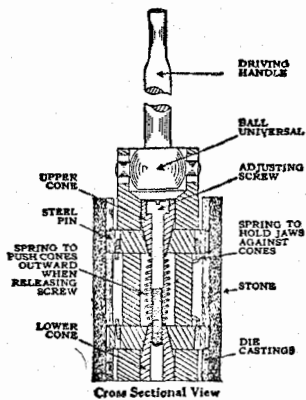


Fig. 175
Service Can



Cross Sectional View
Fig. 171
Cylinder Hone

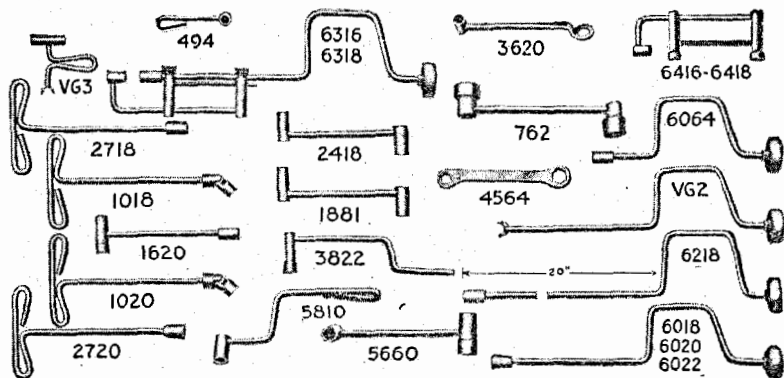


Fig. 176
Wrench Set

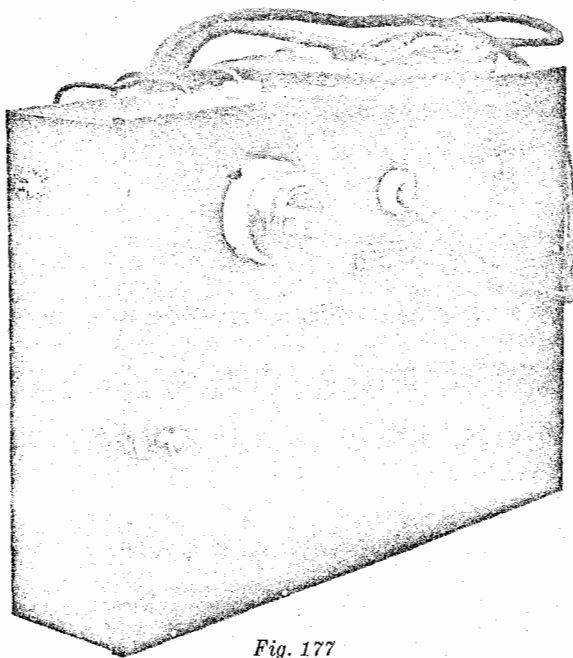


Fig. 177
Magneto Charger

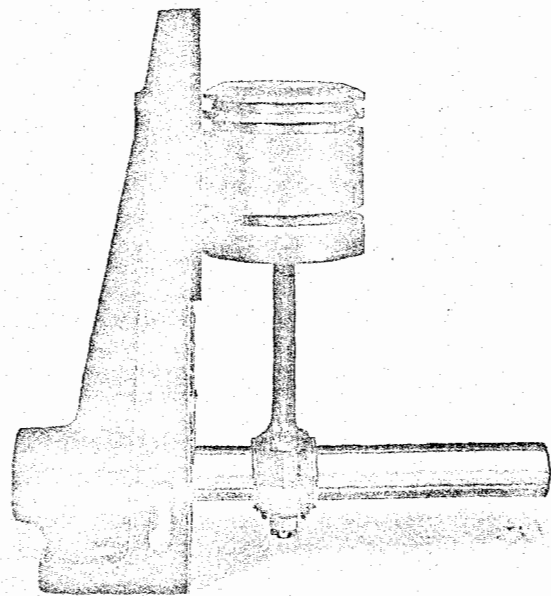


Fig. 180
Twistest-Connecting Rod and Piston
Aligning Jig

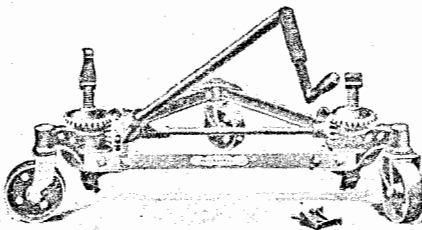


Fig. 178
Jack

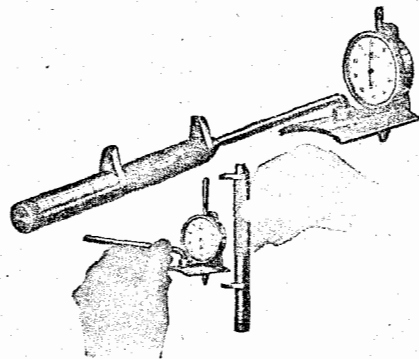


Fig. 181
Cylinder Gauge

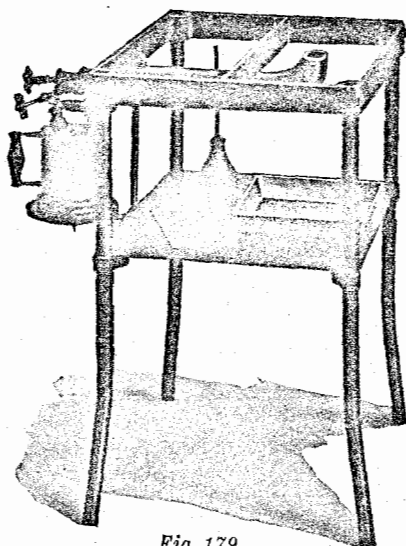


Fig. 179
Radiator Repair Machine

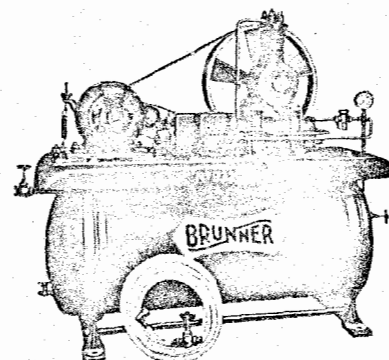


Fig. 182
Air Compressor

Index of Equipment

	Page	Figure		Page	Figure
Axle bushing tools (Stevens).....	98	127	Hone—cylinder (Hutto).....	102	170
Arbor press (Manley).....	101	165	Jack (Manley).....	101	166
Arbor press (Weaver).....	101	158	Jack (Manley).....	101	167
Arbor press attachment (Weaver).....	101	159	Jack (Walker).....	101	168
Arbor press attachment (Weaver).....	101	160	Jack (Weaver).....	101	161
Arbor press attachment (Manley).....	101	163	Jack (Weaver).....	103	178
Ames cylinder gauge.....	103	181	Lifting tongs—motor (Wilson).....	95	99
Air compressor (Brunner).....	103	182	Light—garage (Manley).....	102	173
Axle stand (Weaver).....	100	155	Magneto charger (Wonder).....	103	177
Axle stand (Dearborn).....	100	150	Peining tool (Wilson).....	94	92
Babbitt melting equipment (Wilson).....	95	102	Piston pin bushing reamer (Wilson).....	94	96
Bushing driver set (Dearborn).....	100	151	Post drill attachment $\frac{1}{8}$ " (Black & Decker).....	97	126
Bending bars (Dearborn).....	100	152	Post drill attachment $\frac{1}{4}$ " (Black & Decker).....	97	125
Bucket pump (Weaver).....	102	174	Piston pin bushing driver (Stevens).....	98	133
Combination machine (Wilson).....	94	93	Push rod reamer and jig—oversize (Stevens).....	99	142
Camshaft align reamer (Wilson).....	95	103	Push rod reamer and jig—oversize (Wilson).....	94	90
Camshaft reamer and jig (Wilson).....	95	105	Rear end lift hook (Wilson).....	95	109
Coil tester (Allen).....	96	112	Rethreader (Stevens).....	99	149
Crankcase straightening jig (Wilson).....	97	119	Radiator plugs (Dearborn).....	100	157
Cylinder micro gauge (Stevens).....	98	138	Radiator repair machine (Burt).....	103	179
Cylinder cap screw set—oversize (Stevens).....	98	139	Speed wrenches (Wilson).....	94	91
Cylinder bushing set (Stevens).....	99	146	Spindle body bushing reamer (Wilson).....	94	95
Compression clutch (Manley).....	101	163	Spindle body bushing facer (Wilson).....	95	106
Compression clutch (Weaver).....	101	164	Stand for electric grinder (Black & Decker).....	97	124
Cylinder hone (Hutto).....	102	170	Spindle body bushing extractor (Stevens).....	98	130
Cylinder hone (Hutto).....	102	171	Spindle body bushing inserter (Stevens).....	98	131
Cylinder gauge (Ames).....	103	181	Spindle arm bushing extractor (Stevens).....	98	132
Drive shaft bushing facer (Wilson).....	95	107	Spindle body bushing facer (Stevens).....	99	144
Drive shaft bushing facer (Stevens).....	98	129	Surface plate (Dearborn).....	99	145
Drive shaft bushing reamer and jig (Wilson).....	95	108	Sleeve puller model T (Dearborn).....	100	153
Drive shaft bushing reamer and jig (Stevens).....	98	134	Sleeve puller model TT (Dearborn).....	100	154
Drive shaft sleeve puller (Stevens).....	98	135	Service can (Weaver).....	102	175
Drive shaft sleeve driver (Stevens).....	98	136	Transmission reaming machine (Wilson).....	94	94
Drive shaft bushing extractor (Stevens).....	98	128	Triple gear riveting jig (Wilson).....	95	101
Drive shaft pinion puller (Stevens).....	98	137	Test stand generator (Allen).....	96	110
Drive shaft repair kit (Stevens).....	99	140	Tap and drill set (Stevens).....	99	148
Drive shaft bushing driver (Stevens).....	99	143	Twistest (Wilson).....	103	180
Differential holding plate (Dearborn).....	100	156	Universal joint tongs (Stevens).....	99	147
Dope bucket pump (Weaver).....	102	174	Valve facer and seater (Wilson).....	94	97
Electric test stand (Allen).....	96	110	Valve stem reamer and guide—oversize (Wilson).....	95	98
Electric repair tool kit (Allen).....	96	111	Valve seater 75° (Sioux).....	97	114
Electric drill $\frac{1}{2}$ " special (Black & Decker).....	97	117	Valve seater 15° (Sioux).....	97	115
Electric drill $\frac{1}{4}$ " special (Black & Decker).....	97	122	Valve seater 45° (Sioux).....	97	116
Electric grinder 6" (Black & Decker).....	97	118	Valve grinder (Wright multiple).....	97	120
Electric grinder 8" (Black & Decker).....	97	123	Valve grinder, electric (Black & Decker).....	97	121
Electric grinder 8" mounted on stand.....	97	124	Valve stem (Swedge).....	99	141
Engine stand (Manley).....	101	162	Wrecking crane (Manley).....	102	169
Front end lift hook (Wilson).....	95	100	Wrecking crane (Weaver).....	102	172
Garage light (Manley).....	102	173	Wrench set (Waldron).....	102	176
Generator test stand (Allen).....	96	110			
Generator and starting motor repair kit.....	96	111			
Growler and test points (Allen).....	96	113			

Distribution of Equipment

We have made arrangements with different jobbers throughout Canada to handle an approved line of Ford equipment.

These jobbers are not official representatives of the Ford Motor Company, but they have guaranteed to us that they would carry Ford repair equipment that has been tried out here at the factory, and recommended.