AUG 10 1948 FRANK STARK

L 33802

INSTRUCTION BOOK

and

ILLUSTRATED PARTS LIST

FOR MODEL L

GRAVELY TRACTOR

and

ATTACHMENTS

SERVICE INFORMATION

When writing the factory for service information or repair parts, etc., make sure to refer to the model number and the tractor number of the unit. You will find this information on a nameplate similar to this print.

Gravely Motor Plow and Cultivator Co.

DUNBAR, WEST VIRGINIA, U. S. A.

INDEX

TO NEW GRAVELY OWNERS:

It's a pleasure to welcome you to the family of GRAVELY Tractor users. We appreciate your purchase. It is our sincere interest to see that you are satisfied with your machine, and we know that the best way to insure this is to make positive that you operate and care for the tractor properly.

Be sure and read all the instructions carefully. It will be profitable for you to take the time to do this.

Then if there is any special work that you require your tractor to do, don't hesitate to ask questions and let us help you in solving your problems.

Remember that your machine can be used for many purposes. For instance, as a garden tractor you will find a great many different types of tools and attachments that can be used to make it more efficient.

If you use your machine for mowing you will be interested in hearing that we can furnish you with different width cutter-bars as well as different sized guards. For instance; we have one bar that enables you to cut the grass almost as closely as you can cut with the Rotary Mower. You will also find it very profitable to keep the Sickle Knife always sharp. We offer a small Sickle Grinder that comes in handy for this purpose. We would also be glad to suggest extra parts and sections, or other small supplies which do not cost much but when they are needed, are very important.

Remember, this machine is driven by a gasoline motor. Regardless of how careful we might have been in its construction and how careful you might be in its operation, there is always the possibility that you may meet with some minor difficulty.

However, there is no reason to become unduly alarmed. We suggest that you get in touch with the Dealer or Representative through whom you purchased your machine. If you are unable to do this, then seek the advice of a good local mechanic.

In cases where you are unsuccessful in correcting your trouble, please let us hear from you immediately. We are sincerely anxious that every machine bearing our name gives real service and satisfaction to its users.

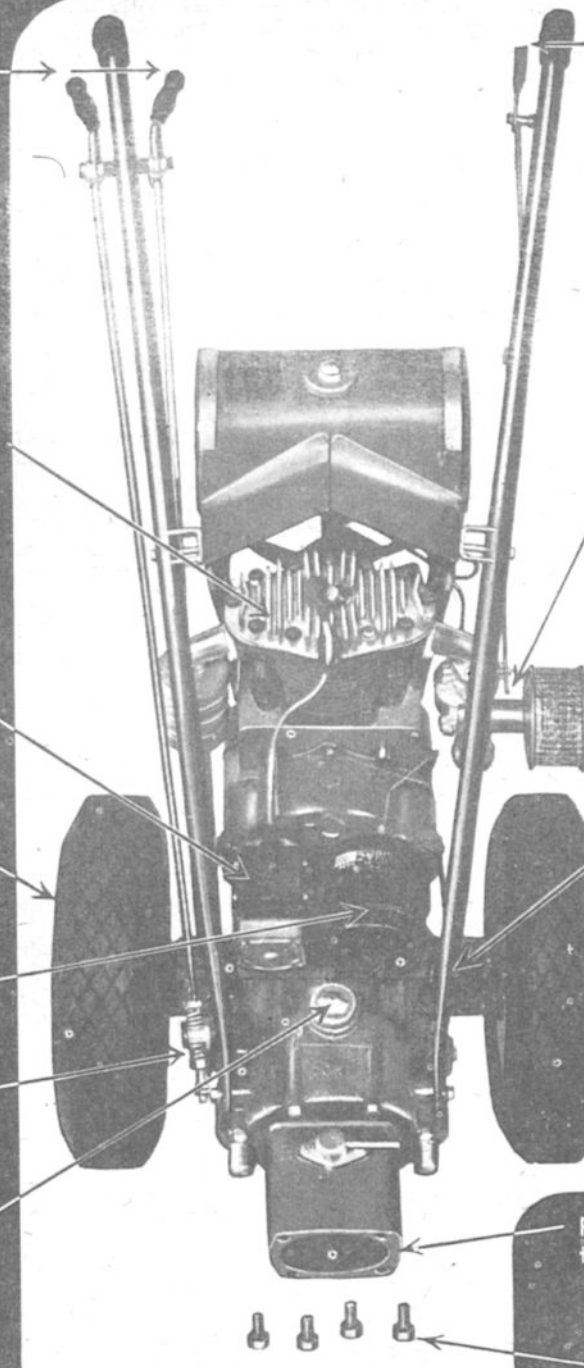
Let us repeat again our appreciation of your purchase and, the importance of reading and following all the instructions.

Always feel at perfect liberty to write us about any matter pertaining to our machine.

Yours sincerely,

GRAVELY MOTOR PLOW & CULTIVATOR COMPANY.

GRAVELY



2 Forward Speeds and Reverse

Gas Throttle

5 H.P. GRAVELY MOTOR (own make)

Air Cleaner & Carburetor that keeps out dirt

High Tension Magneto with Impulse Starter

Automotive Type Steel Differential

16" Pneumatic Rubber Tires

Filter Strains Oil

Accessible Outside Clutch Adjustments

One Spot to Lubricate Both Motor & Trans.

Powered Direct From Motor through Gears

No Bothersome Chains

Four Bolts to Fasten Any Power Attachment

MODEL L GRAVELY TRACTOR

ALL ATTACHMENTS USED ON ONE TRACTOR

SAFETY SLIP CLUTCH ON EACH ATTACHMENT

OPERATION AND CARE OF THE MODEL L GRAVELY TRACTOR AND ITS ATTACHMENTS

Explanation: After calling each part by its name, this will be followed by two figures. For instance, Tank (160-P-6), etc. The first figure refers to the photo number of the part as illustrated and the last figure to the plate number where it is shown. If you are not quite certain as to the part described look at the photo to make sure.

UN-CRATING AND SETTING UP

The machine comes completely assembled ready to put on the needed attachments. Check the machine over when you uncrate it to make sure no parts have become loose or lost enroute. Use the photo as appears on Page 3 as a guide to see if all parts are in their proper place and also for additional steps that are to follow.

FILL THE TANK WITH GASOLINE
FILL WITH OIL

Remove Filler Cap (107-P-4) on the Chassis Top and pour in about five pints of good grade of motor oil. We recommend: For summer use Mobiloil AF SAE 40. In winter, Mobiloil Arctic SAE 20. This lubricates both the motor and final drive as well. Realize the importance of always keeping oil up to the proper level. To check this, have your machine sitting completely level. Notice on the right-hand side of the Chassis (100-P-4) a Try Cock Valve. Loosen this Valve. If Oil runs out, you have ample.

When using your tractor on extremely steep hills make positive that fully five pints are put in it so as to give ample supply when the machine is tilted at an angle.

Read carefully separate instructions furnished having to do with the Carburetor and Magneto. When first using the motor you will want to particularly notice the instructions on the Carburetor for choking, etc.

CRANKING MOTOR

You must attach one of the attachments before attempting to start the motor. But we will tell you at this point the steps to go thru in starting it. Refer to Photo (418-P-9) showing Starting Strap. Wind this Strap clockwise (See arrow on casting) around the Fan Pulley (225-P-7) which is on the rear of the engine. Before spinning be sure both Clutch Levers on the right Handle are each in the middle or neutral position (by standing in a vertical position). We refer you to Plate No. 1, with the instructions as to the position of the Handles.

The Magneto on the motor is equipped with an Impulse Coupling. This means easier starting. A good spark can be produced without the necessity of too fast a spin. GET A GOOD FIRM GRIP ON THE STARTING STRAP HANDLE WHEN CRANKING AND DON'T LET LOOSE OF THIS. Experiment with the easiest method for you to crank. Some users find by backing the motor up so that it will be off of compression that they can crank much easier. Others prefer to spin faster. Use whichever method seems easier to you.

SELECTING SPEEDS

You have two forward and two reverse speeds. TO GO FORWARD IN LOW GEAR, push left hand Clutch Lever (on right handle) as far forward as it will go. Then, pull right-hand Lever as far backward or downward as it will go. Your machine is now moving forward in low speed. TO CHANGE TO HIGH, simply pull left-hand Lever only as far backward and downward as it will go. TO REVERSE, pull right-hand Lever forward. Then, select low and high speed with left hand lever same as for forward travel. Refer to Fig. B Instruction Diagram on Plate 1.

REMEMBER: 1. Left-hand lever is selector, high and low travel speed.
2. Right-hand lever is for forward and reverse.

TRANSMISSION CLUTCH

A double-acting cone type Clutch is used. To take up for wear, simply tighten nuts on ends of Clutch Rods. After first using and wearing in, this might be necessary, but after that adjustment nothing should be needed for some time. Clutch will give ample warning by tendency to slip under load. Unless that happens do not tamper with it.

ATTACHING TOOLS

You are referred again to illustration on Page 3. As shown, all Power Attachments (and most others as well) are bolted directly on front of Tractor by means of the four studs. The cultivating toolholder, snow plow, etc., are not power driven and do not require any clutch or meshing of gears.

When attaching power attachments make sure that the THROWOUT LEVER (203 P-6) IS IN THE OUT POSITION.

POWER ATTACHMENT CLUTCHES

Each Power Attachment has an individual safety, slip clutch, which is adjusted by us and which should be just tight enough to stall engine. If this becomes loose take up tension spring. (See Page 20 concerning this.)

POWER ATTACHMENT THROWOUT LEVER

(Important that instructions are followed closely.)

This to be used to free mower when going to and from job, etc. Always idle motor and have control Levers in the position shown at Fig. C on instruction Diagram when putting in gear.

Immediately following is a list of parts in the L Tractor and certain service hints. Further in the Book is shown each of the main attachments used on the GRAVELY and suggestions for attaching and adjusting these.

LUBRICATING SYSTEM

Oil to the Motor passes through drilled channels to the Crank Bearing. Oil passing from the ends of the Crank Bearing is thrown to the walls of the Case and upon falling back to the bottom is picked up by the Fly Wheels and thrown as a spray, lubricating all moving parts. The oil entering the Engine Case has no means of leaving except by being thrown as a spray and passed off through the Breather openings back to the Outer Case.

OILING INSTRUCTIONS

When new the motor oil should be changed after the first 15 to 20 hours of running. After breaking in this changing should be according to usage. Working conditions as well as hours of running determine this. You should check oil as to the body and the amount of sediment in it and change accordingly. We would say it would be a good habit to form to change oil after every 50 hours of running.

The Oil Filter should be renewed twice a season. This too is dependent upon usage.

TO CHANGE OIL

Remove the Drain Plug (108-P-4) on bottom of Chassis (100-P-4) and allow oil to drain. IT IS WISE TO FLUSH OUT BY PRESSURE WHEN THIS IS DONE. Replace the Plug before refilling.

VALVE TOP OIL

When the motor is new and being run in, use Mobil Upperlube valve top oil mixed with the gasoline and as instructions found with such oil. *IT IS ALSO WISE TO USE THIS BEFORE THE MACHINE IS STORED AWAY FOR ANY LENGTH OF TIME AND THERE IS A POSSIBILITY OF PARTS RUSTING.*

THINGS TO DO TO AVOID TROUBLE

This is possibly the most important part of the instruction book. Unless the user reads and follows out the points which follow we cannot be responsible in case of trouble. The proverbial "ounce of prevention" truly applies to machinery of this type.

CHECKING OIL PUMP

The first, and every time, you start the motor make sure the oil pump is working. Remove the Filler Cap (107-P-4) to see if a good steady stream is coming forth. IF IT ISN'T DO NOT OPERATE THE MOTOR ANY LONGER UNTIL THIS IS REMEDIED.

REMEDIES: 1. Check for Air leaks around Intake Oil Line (260-P-7) and connections (259 & 267-P-7) connecting from the motor to the chassis.

2. Check Oil Line: (260-P-7) to make sure it isn't stopped up. Many times this obstruction is found in Oil Strainer Body (257-P-7). To clean this body, remove 6 Axle Housing Bolts (109-P-4) on left side of tractor and pull out axle housing (102-P-4), and in this you can get in so to see the Oil Strainer body. Without removing make sure that oil screen on bottom of oil strainer body hasn't clogged up. If it is clogged the strainer body must be removed. This is done by first loosening the intake oil strainer nut (258-P-7). Then the body can be worked out the left side of tractor.

In cases where lack of oil has caused your motor to burn out a bearing or connecting rod when you replace these BE SURE AND CHECK THIS CLOGGING OF OIL. If that has caused your first trouble, even replacing new parts will not be the remedy.

DO NOT RUN MOTOR AT FULL SPEED UNTIL IT HAS BEEN RUN FOR AT LEAST A WEEK.

HAVE A REGULAR PERIOD TO GO OVER THE ENTIRE MACHINE AND TIGHTEN NUTS AND BOLTS THAT WILL BECOME LOOSE.

CHECK OFTEN FOR WEAR ON PARTS AND GET NEW ONES BEFORE OLD ONES BECOME WEAK AND BREAK. Such a breakage is liable to cause damage to other parts.

AIR CLEANER

Because of the abrasive effect of dust on all moving parts of the engine, and its effect on carbon deposits in the cylinder, it is of the utmost importance that you keep your Air Cleaner in place and see that all connections are tight. WE CANNOT MAKE OUR GUARANTEE VALID UNLESS THESE INSTRUCTIONS CONCERNING THE AIR CLEANER ARE STRICTLY ADHERED TO.

Instructions as to the amount of oil to be used with your Air Cleaner are on the Air Cleaner itself. Be sure to check the Air Cleaner after each day's use to see that it contains the proper amount of oil.

It is a good idea to clean your Air Cleaner itself frequently before adding fresh oil. Remember that should your Air Cleaner become clogged from dirt or dust, you are doing the same thing as running your tractor without any protection at all.

When the Tractor is used under dusty or similar conditions you should regularly clean the outside of the motor too, removing all waste that will cling around the cylinder fins especially.

THINGS TO DO IN CASE OF TROUBLE

ENGINE HARD TO START: This may be due to any of the following: Improper carburetor adjustment; faulty ignition; interrupter contacts too wide; spark plug dirty; or points improperly spaced. Read separate instructions on carburetor and magneto adjustment. Store the machine in a warm dry place in winter. If engine is too hard to start when cold remove the spark plug, and inject a small quantity of gasoline into cylinder.

ENGINE FLOODED: If when cranking engine you notice a vapor coming from the exhaust, more particularly when it is hot, it is due to excess gasoline and it will not start until this excess is eliminated from the cylinder. Often you can help this by cranking the motor backwards so as to blow this out.

ENGINE OVERHEATS: This may be due to insufficient oil supply; improper carburetor adjustment; magneto timing to engine too late; cylinder fins clogged; fan not working properly; excessive carbon in cylinder, etc.

ENGINE LOSES POWER: If the compression is poor, with a resultant loss of power, it may be remedied by the following: Reseat valves if leaking. Check Valve Tappets and adjust if necessary. Be sure the Piston Rings are not stuck in the grooves. If the compression loss is due to worn piston and rings, it will be necessary to replace these with new ones. If the cylinder is badly worn, it will be advisable to send it back to the factory to have it rebored and fitted with new and oversize piston and rings.

ENGINE STOPS SUDDENLY: If engine has been running nicely and stops suddenly, first see that you have gasoline in the tank. Remove spark plug and lay it on top of cylinder with cable connected. If you have a good spark, disconnect gasoline line from carburetor and see that gas flows freely. It may be possible there is dirt in the carburetor, or the lines may be plugged.

TIMING L MODEL ENGINE

The two outside marks on the Idle Gear (45—P-2) are matched with marks on the Cam Shaft Gears (43—P2). The crank is used over the center Idle Gear mark.

To time magneto points, remove Cylinder Head (61—P-3) and set the magneto coupling so that the impulse kicks off when the Piston (66—P-3) reaches top dead center on compression stroke.

To determine the compression stroke, crank engine slowly until Piston travels upward with both valves closed.

(The usual cause for timing to be off is by the coupling nut slipping on the Impulse Coupling of the Magneto. To set, you will back up the Coupling Nut. Then, lightly tap the Coupling with a hammer to loosen so that you can move the Magneto Timing.)

SPARK PLUG .022 Bettit says plug gap .030

CHECKING ADJUSTMENT

Spark Plug Points should be cleaned and checked for clearance and set with a gap of .022". Valves should be checked for carbon or other like material that might get into the seats and cause leakage. Also, valves should be given .008" clearance between Valve Stem and Valve Plunger.

CARE OF TIRES

Always keep 35 to 40 pounds pressure in the tires. Lower Pressure might possibly allow slippage on the rim thereby pinching and damaging the valve inlet ruining the tire inner tube.

Remember that these tires, whether ground-grip or all-weather type, have an inner tube and should thus be treated exactly like your automobile tire. Should trouble develop, remove the wheel with the six rim bolts and repair the tire just as you would that of an automobile.

PLATE 1

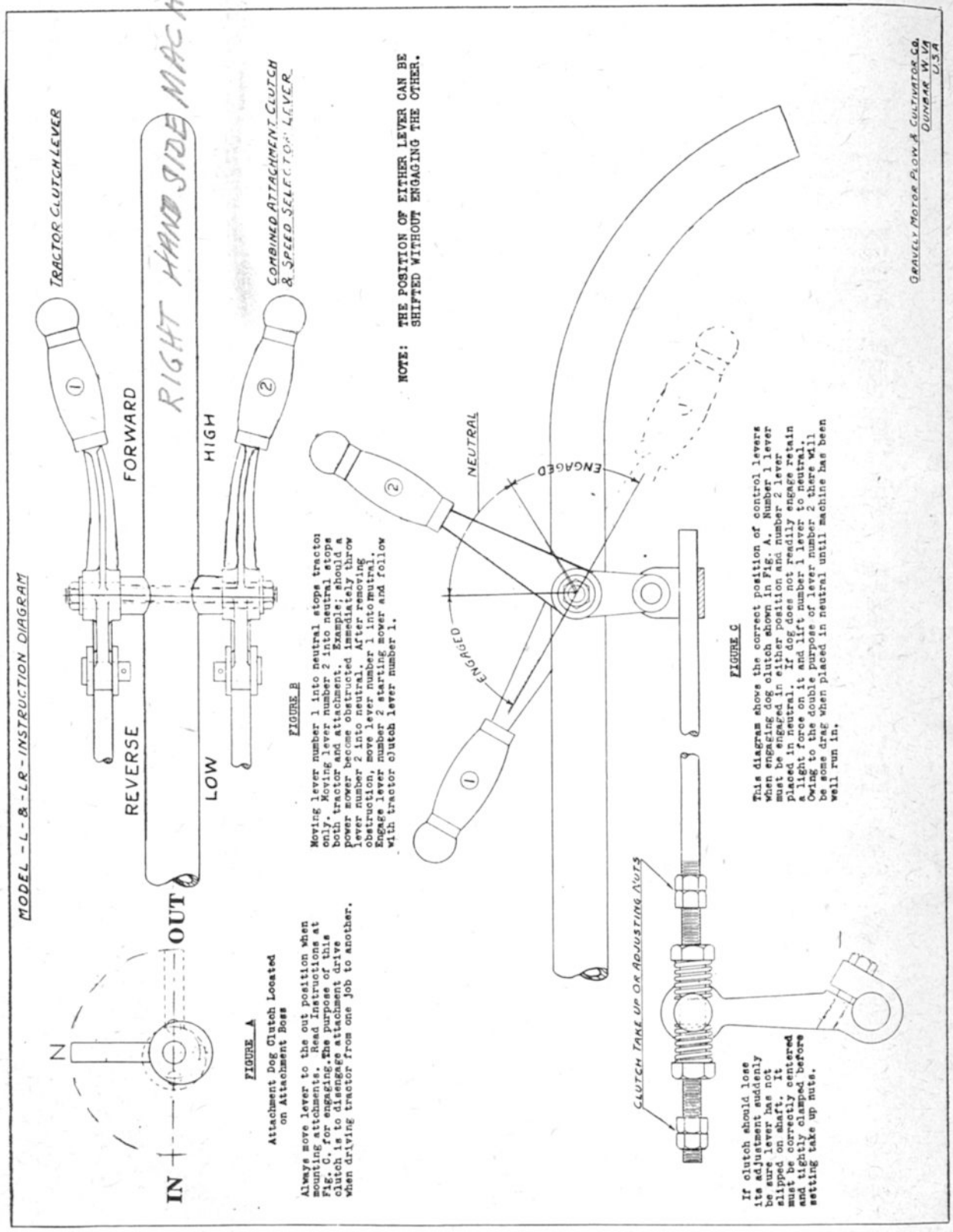


FIGURE A

Attachment Dog Clutch Located on Attachment Boss

Always move lever to the out position when mounting attchments. Read Instructions at Fig. C, for engaging. The purpose of this clutch is to disengage attachment drive when driving tractor from one job to another.

FIGURE B

Moving lever number 1 into neutral stops tractor only. Moving lever number 2 into neutral stops both tractor and attachment. Example; should a power mower become obstructed immediately throw lever number 2 into neutral. After removing obstruction, move lever number 1 into neutral. Engage lever number 2 starting mower and follow with tractor clutch lever number 1.

FIGURE C

This diagram shows the correct position of control levers when engaging dog clutch shown in Fig. A. Number 1 lever must be engaged in either position and number 2 lever placed in neutral. If dog does not readily engage retain a light force on it and lift number 1 lever to neutral. Owing to the double purpose of lever number 2 there will be some drag when placed in neutral until machine has been well run in.

If clutch should lose its adjustment suddenly be sure lever has not slipped on shaft. It must be correctly centered and tightly clamped before setting take up nuts.

PLATE 2—PRICE LIST

Photo No.	Part No.	Name	Price
1	L-101	Outer crank case	$10.40
2	L-102	Inner crank case	9.60
3	L-103	Bearing & pump cap	1.12
4	L-104	Fly wheel	4.00
5	L-105	Crank pin	1.84
6	L-106	Spreader bolt	.24
7	L-107	Spreader bolt washer	.24
8	210-N	Spreader bolt nut	.02
9	L-109	Drive pinion shaft	3.52
10	L-110	Timing pinion shaft	2.80
11	504-K	Fly wheel key	.02
12	L-112	Drive wheel nut	.10
13	L-113	Fly wheel nut lock	.04
14	L-114	Drive pinion bearing	1.35
15	L-115	Timing pinion bearing	2.55
16	L-116	Crank case bolts, long	.08
17	L-117	Crank case bolts, short	.08
18	L-118	Crank case stud bolts	.08
19	L-119	Crank case nut	.02
20	L-120	Dowell	.12
23	108-S	Bearing cap bolt	.05
24	L-124	Bearing cap dowell	.04

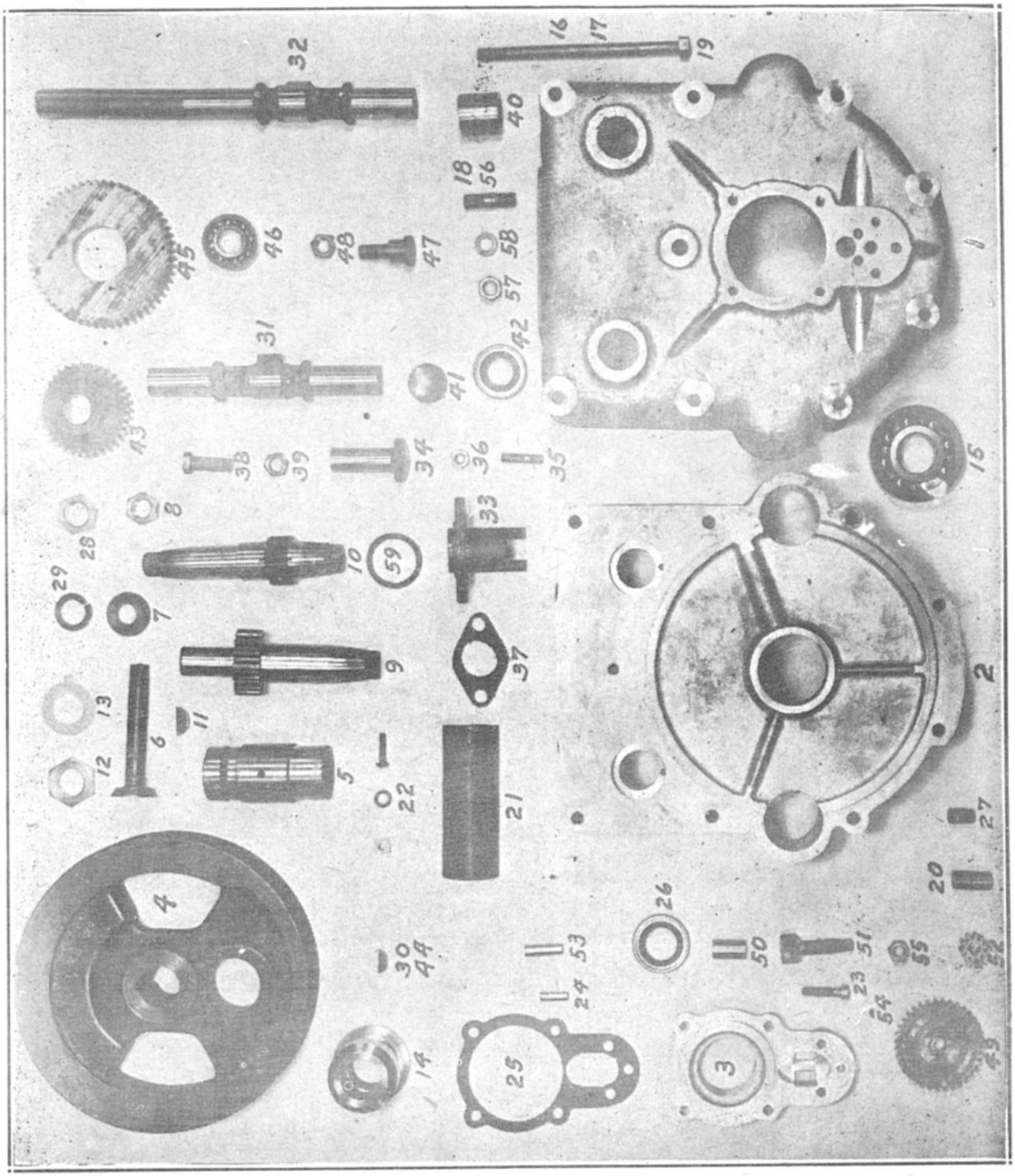


PLATE 2—PRICE LIST

Photo No.	Part No.	Name	Price
25	L-125	Bearing cap gasket	.02
26	L-126	Bearing cap oil seal	.45
27	701-P	Crank case drain plug	.03
28	218-N	Fan drive pulley nut	.03
29	309-W	Fan drive pulley nut washer	.02
30	504-K	Fan drive pulley key	.02
31	L-401	Intake cam shaft	1.32
32	L-402	Exhaust cam shaft	1.36
33	L-403	Valve plunger guide	1.08
34	L-404	Valve plunger	.64
35	L-405	Plunger guide stud	.08
36	202-N	Plunger guide stud nut	.02
37	L-407	Plunger guide gasket	.03
38	L-408	Tappett screws	.09
39	L-409	Tappett lock nut	.06
40	L-410	Cam shaft bearing bushing	.20
41	L-411	Expansion plug	.06
42	L-412	Cam shaft oil seal	.39
43	L-413	Cam shaft gear	.84
44	503-K	Cam shaft gear key	.02
45	L-415	Idle gear	1.80
46	L-416	Idle gear bearing	1.23
429		Timing idler & bearing assemb.	3.25
47	L-417	Bearing stud	.24
48	221-N	Bearing stud nut	.01
49	L-419	Oil pump drive gear	1.00
50	L-420	Oil pump bearing bushing	.21
51	L-421	Oil pump master gear	1.60
52	L-422	Oil pump idle gear	.64
53	L-423	Idle gear stud	.08
54		Master gear key	.01
55	215-N	Drive gear nut	.01
		Oil pump, complete	4.61
56	L-303	Cylinder stud bolt	.04
57	206-N	Cylinder stud bolt nut	.02
58	305-W	Lock washer	.01
59	L-319	Sleeve gasket	.03

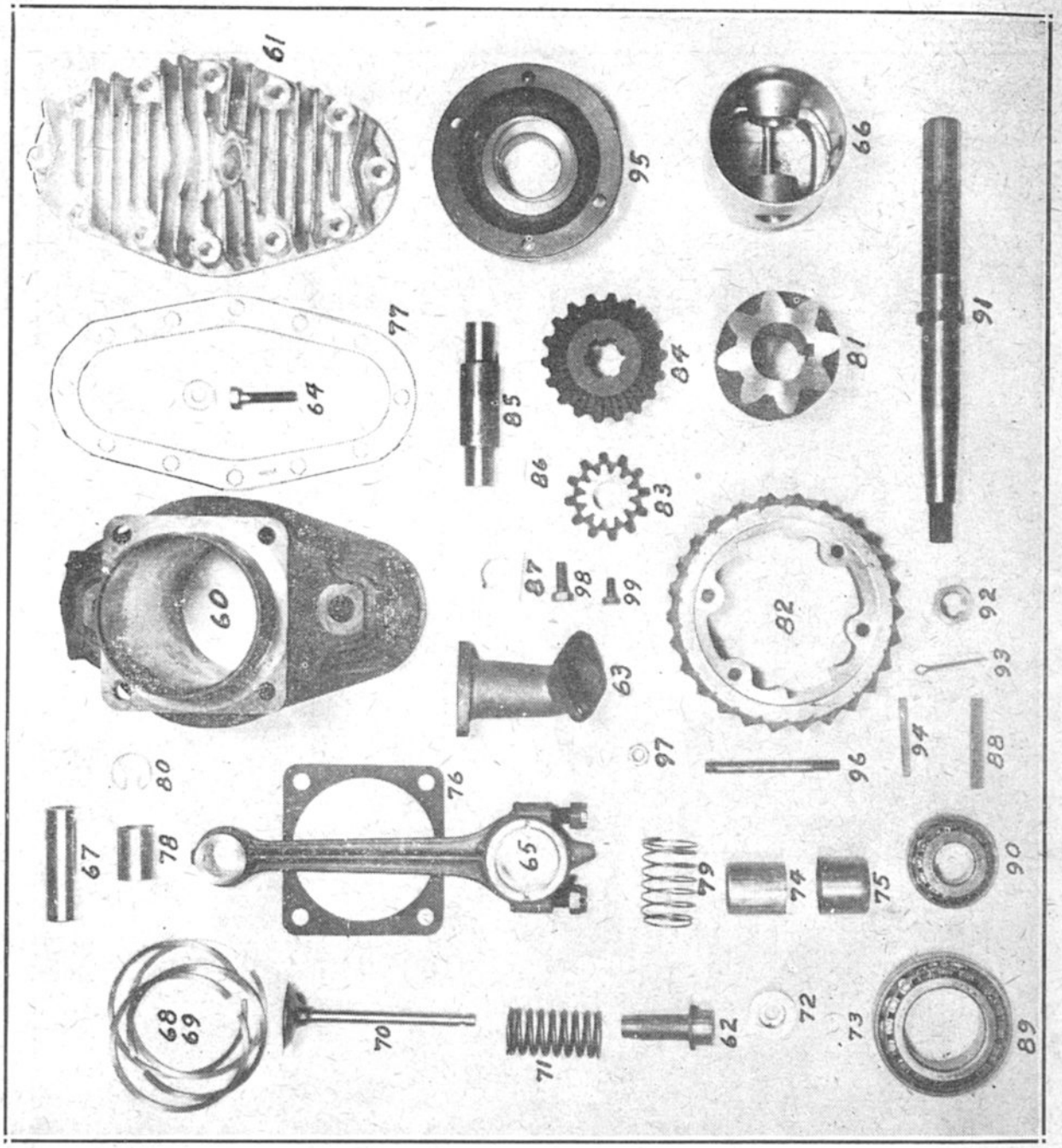
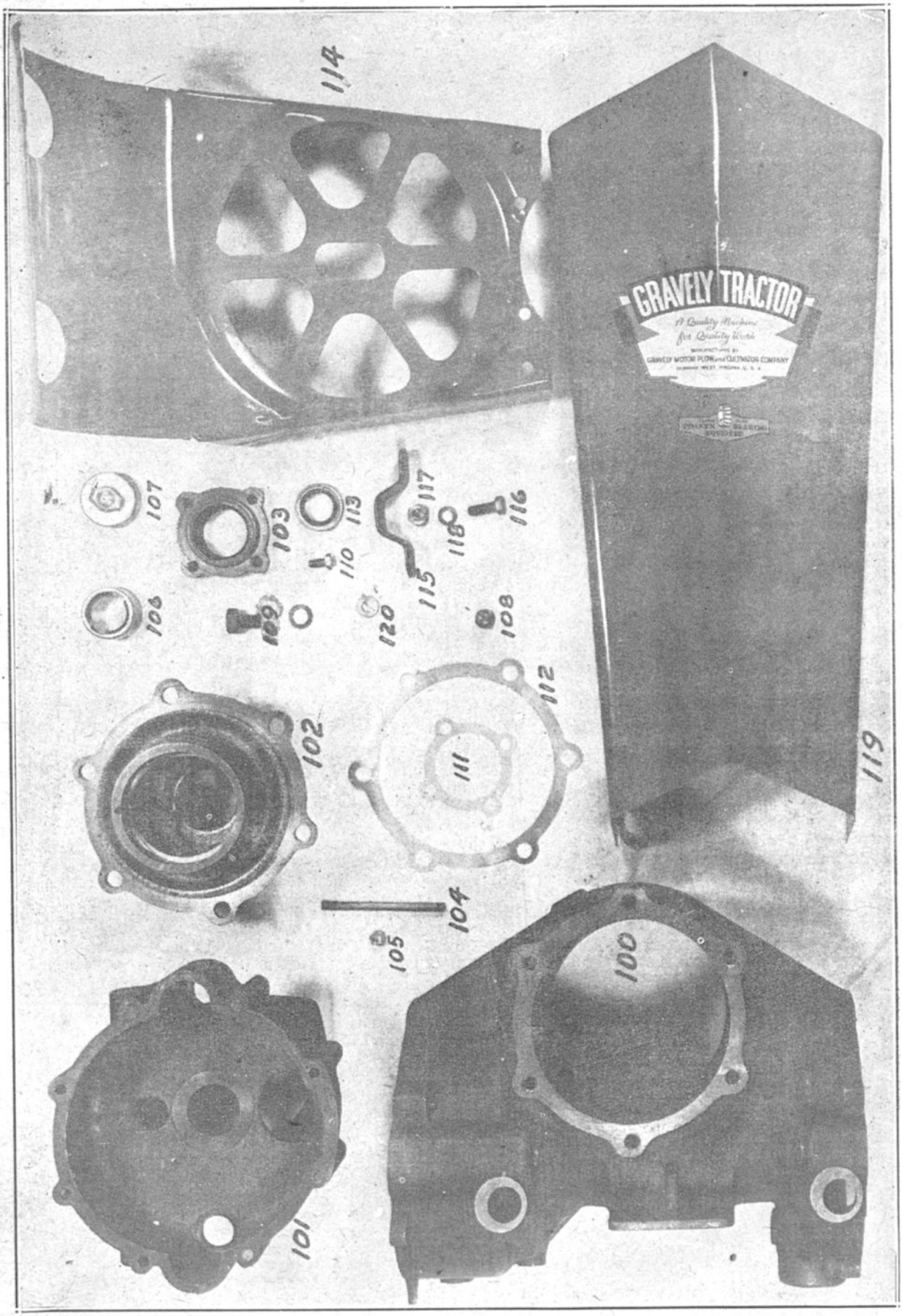


PLATE 3—PRICE LIST

Photo No.	Part No.	Name	Price
60	5733	Cylinder	$15.32
61	5734	Cylinder head	5.44
62	5737	Valve guide	.40
63	L-301	Manifold, intake & exhaust—Schebler carb.	1.08
	L-301-B	Zenith Carburetor gasket	.03
	L-301-M	Muffler gasket	.03
	L-301-A	Manifold, intake exhaust	1.08
64	401-W	Cylinder head washer	.04
64	154-S	Cylinder head bolt	.04
65	L-306	Connecting rod	2.25
	306-A	Connecting rod bushing (small)	.30
	L-306-B	Connecting rod bushing (large)	.60
66	5762	Piston	3.10
67	5763	Piston pin	.75
68	5757	Compression ring	.25
69	5758	Oil ring	.25
70	L-311	Valve	.54
71	L-312	Valve spring	.09
72	5741	Valve spring cap	.18
73	5742	Valve spring cap key	.03
74	L-315	Upper spring sleeve	.16
75	L-316	Lower spring sleeve	.16
76	L-317	Cylinder bottom gasket	.03
77	5735	Cylinder head gasket	.45
79	L-318	Spring sleeve	.12
80		Piston pin lock	.01

Photo No.	Part No.	Name	Price
81	L-601	Worm	8.10
82	L-602	Worm gear	16.80
83	L-603	Bevel pinion	2.19
84	L-604	Bevel gear	3.72
85	L-605	Pinion pin	.64
86	501-K	Pinion pin key	.01
87	L-607	Driving block	.68
	L-607-K	Driving block(with key)	.75
88	L-608	Worm key	.04
89	L-609	Differential bearing	2.58
90	L-610	Axle bearing	1.53
91	L-611	Axle	2.04
92	L-612	Axle nut	.06
93	L-613	Axle nut cotter	.03
	L-614	Wheel hub	1.72
94	L-615	Hub key	.04
	L-616	Wheel, complete	10.00
	L-617	Hub cap	.20
95	L-205	Differential housing	1.60
96	L-206	Differential housing bolt	.04
97	204-N	Nut	.04
98	164-S	Carburetor bolt(Schebler)	.04
99	164-S	Manifold bolt	.04
	L-617-A	Drive on hub cap	20
	116-S	Carburetor bolt(Stromberg)	.04
		*Cylinder assembly, complete	23.50
		Set of gaskets, complete	.78

* See Note 5, Page 42



See page 16 for parts price list on this plate.

PLATE 5

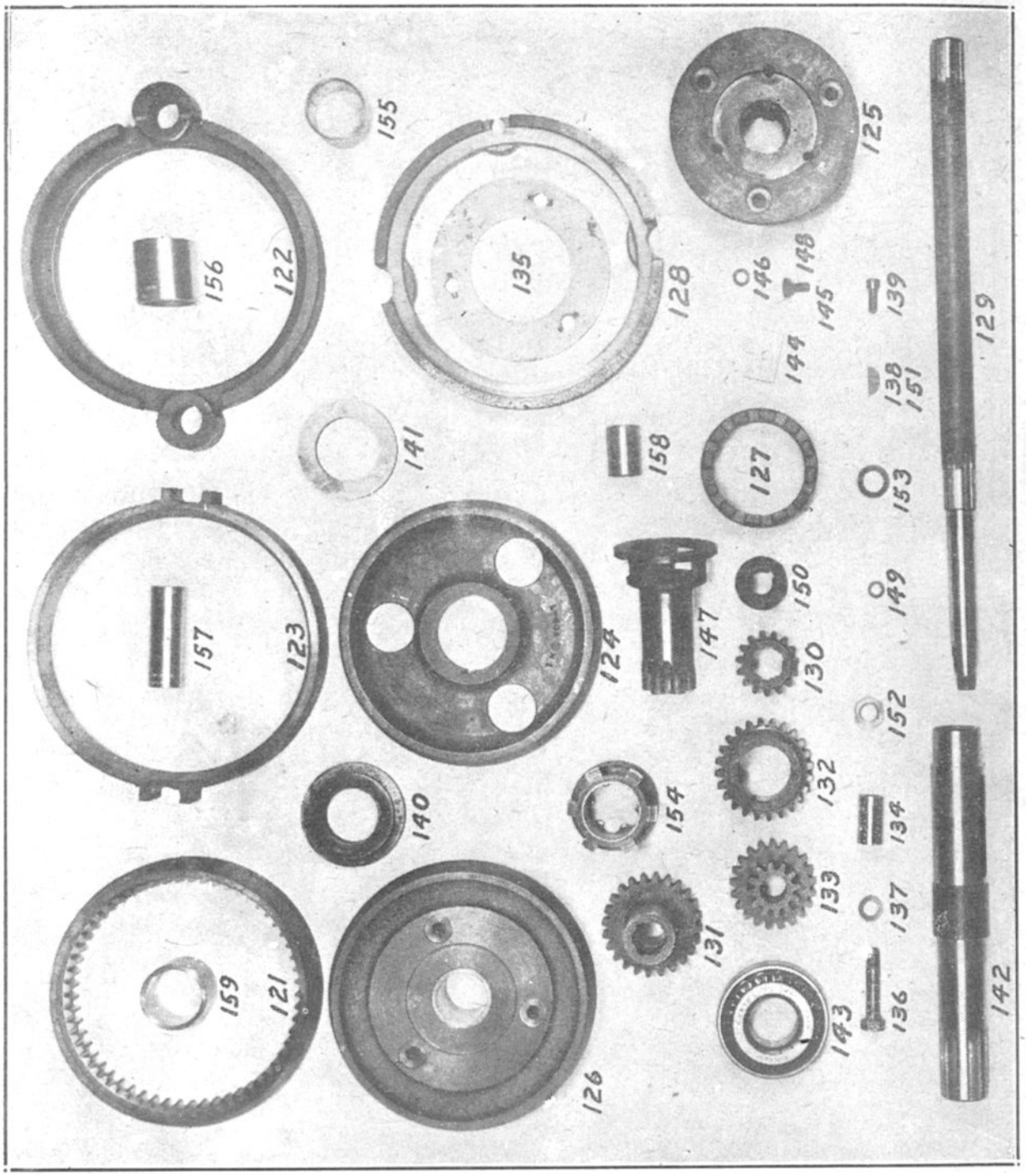
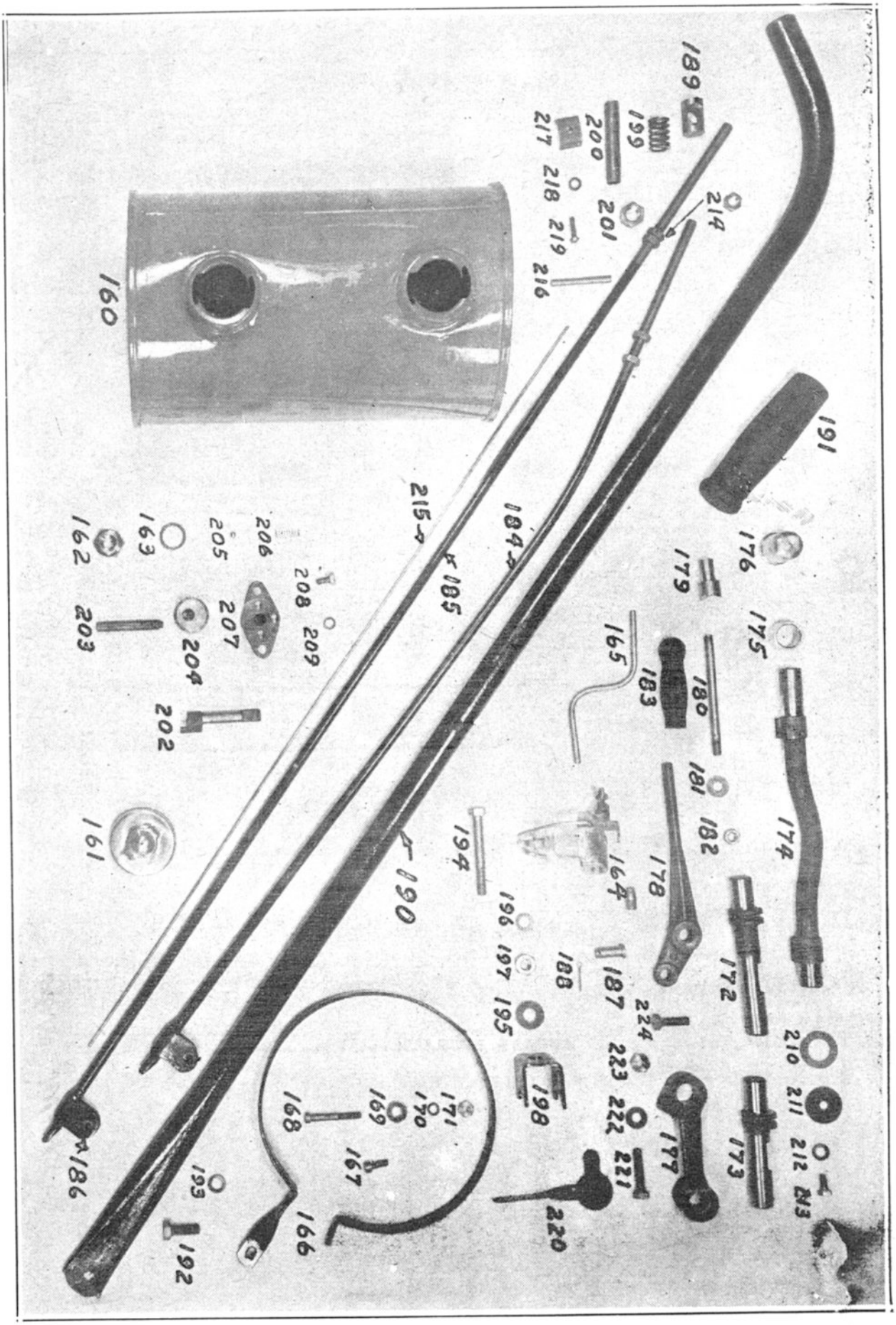


PLATE 5—PRICE LIST

Photo No.	Part No.	Name	Price
121	L-501	Internal gear	$2.56
122	L-502	Rear spacer	3.12
123	L-503	Clutch cup	2.08
124	L-504	Clutch cone(37 Model only)	2.32
125	L-505	Front pin plate	2.40
126	L-506	Rear pin plate	2.68
127	L-507	Bearing adjusting nut	1.00
128	L-508	Gear cup	2.24
129	L-509	Pinion shaft(37 Model)	3.20
130	L-510	Sun pinion	1.16
131	L-511	Sun gear	2.04
132	L-512	Reverse sun gear(37 Model)	2.12
133	L-513	Orbit gear	2.04
134	L-514	Orbit gear pin	.15
135	L-515	Pin spacer	.20
136	L-516	Spacer bolt	.12
137	305-W	Spacer lock washer	.01
138	504-K	Clutch cone key(37 Model)	.02
139	L-518	Gear cup screw	.02
140	L-519	Rear thrust plate	.44
141	L-520	Front thrust plate	.44
142	L-521	Worm shaft	2.08
143	L-522	Worm shaft bearing	1.80
144	L-523	Adjusting nut lock	.04
145	165-S	Lock screw	.02
146	303-W	Lock screw lock washer	.01
147	L-525	Reverse dog(37 Model)	3.08
148	165-S	Reverse dog bolt(37 Model)	.02
149	303-W	Reverse dog washer(37 Model)	.01
150	L-527	Forward dog(37 Model)	1.02
151	504-K	Forward dog key(37 Model)	.02
152	210-N	Forward dog nut(37 Model)	.02
153	308-W	Forward dog lc. wash.(37 Model)	.02
154	L-530	Clutch dog(37 Model)	2.04
155	L-531	Clutch dog bearing(37 Model)	.36
156	L-532	Quill bearing	.39
157	L-533	Pinion shf. bear. bush.(37 Model)	.36
158	L-534	Sun gear bushing	.24
159	L-535	Rear pin plate bushing	.36



See page 16 for parts price list on this plate.

PLATE 4—PRICE LIST

Photo No.	Part No.	Name	Price
100	L-201	Chassis casting	$24.56
101	L-202	Advance casting	6.68
	L-202-A	Baffle plate	.72
102	L-203-A	Axle housing	7.76
103	L-204-A	Bearing cap	.72
104	L-207	Advance casting bolt	.04
105	204-N	Housing nut	.02
106	L-211	Chassis oil filter neck	.03
107	L-212	Chassis oil filter cap	.06
108	705-P	Chassis drain plug	.02
109	122-S	Axle housing bolt	.03
110	126-S	Bearing cap bolt	.02
111	L-219	Bearing cap shim set	.36
112	L-220	Axle housing shim set	.70
113	L-221	Bearing cap oil seal	.45
114	L-222	Fan housing 37 Model)	2.88
	L-223	Fan housing rivets lb	.30
115	L-224	Fan housing bracket	.12
116	111-S	Fan housing bolts	.05
117	205-N	Fan housing bolts nut	.04
118	305-W	Fan housing br. nt. lc. washer	.01
119	L-820	Hood	.92
120	L-821	Hood spacer washer	.04

PLATE 6—PRICE LIST

Photo No.	Part No.	Name	Price
160	L-701	Tank	$4.95
161	2505	Filler cap	.30
	2504	Filler ange	.50
162	L-704	Outlet connection	.33
163	1814	Outlet gasket	.01
a164	L-705	Gas strainer	.87
165	L-706	Gas tube—Carburetor	.06
	L-707	Tube connector	.12
166	5164	Tank band	.24
167	107-S	Tank band bolt, short	.03
168	149-S	Tank band bolt, long	.06
169	401-W	Tank band bolt washer	.01
170	303-W	Tank band bolt lock washer	.01
171	201-N	Tank band bolt nut	.02
172	L-710	Clutch slide rod, long	1.28
173	L-711	Clutch slide rod, short	.88
174	L-712	Clutch actuating shaft	1.88
175	L-713	Actuating shaft bushing	.15
176	L-714	Slide rod bushing	.32
177	L-715	Actuating shaft lever	.84
178	L-716	Clutch hand lever	.52
179	L-717	Hand lever pivot	.20
180	L-718	Hand lever pivot bolt	.08
181	401-W	Hand lever pivot bolt washer	.01
182	204-N	Hand lever pivot bolt nut	.02
183	5167	Hand lever grip	.09
184	L-720-S	Clutch rod, short	.52
185	L-720-L	Clutch rod, long	.52
186	L-721	Clutch rod clevis	.12
187	L-722	Clutch rod clevis pin	.12
188	602-C	Clevis cotter	.01
189	L-723	Clutch rod pivot	.20
190	L-724	Driving handle R&L)	1.36
191	5125	Driving handle grip	.54
192	111-S	Driving handle front bolt	.01
193	305-W	Front bolt lock washer	.01
194	131-S	Driving handle rear bolt	.04
195	403-W	Rear bolt washer	.01
196	305-W	Rear bolt lock washer	.01
197	205-N	Rear bolt nut	.04
198	L-728	Driving handle bracket	.08
199	L-729	Clutch spring	.09
200	L-730	Clutch spring sleeve	.20
201	210-N	Clutch spring sleeve nut	.02
*202	L-731	Shipper shaft(37 Model)	.76
203	L-732	Shipper shaft lever	.08
204	L-733	Locater body	.44
205	1809	Locater ball	.03
206	L-815-D	Locater spring .025")	.09
207	L-734	Shipper shaft guide	.72
208	164-S	Shipper shaft guide bolt	.02
209	303-W	Shipper shf. gui. blt. lc. washer	.01
210	L-735	Clutch act. shaft oil seal	.03
211	L-736	Oil seal washer	.03
212	303-W	Act. shaft lock washer	.01
213	165-S	Act. shaft sec. screw	.02
214	220-N	Clutch adj. nut	.01
215	L-737	Throttle wire	.06
216	L-738	Throttle wire guide	.03
217	L-739	Throttle guide clamp washer	.06
218	301-W	Guide clamp lock washer	.01
219	102-S	Guide clamp sec. screw	.02
220	L-740	Throttle lever	.15
	L-741	Throttle lever hub	.05
221	154-S	Throttle lever pivot bolt	.03
222	401-W	Pivot bolt washer	.01
223	214-N	Pivot bolt nut	.03
224	109-S	Act. lever clamp bolt	.03

a See Note 6, Page 42

PLATE 7—PRICE LIST

Photo No.	Part No.	Name	Price
225	5745	Fan drive pulley	$ 4.20
226	5784	Drive pulley pin	.04
227	L-802	Fan pulley	.92
		Fan assembly, complete	1.60
229	5137	Fan shaft	.36
230	206-N	Fan securing nut	.04
231	305-W	Fan nut lock washer	.01
232	204-N	Fan pulley jam nut	.02
233	5139	Fan ball bearings	1.17
234	5165	Fan ball spacer	.04
235	5133	Fan ball race retainer	.56
236	5134	Fan bearing lock nut	.21
237	L-830	Fan bearing washer	.05
		Fan & bearing assmb., comp	5.43
	L-806-Z	Carburetor—Zenith	8.50
239	L-707	Gas tube connection	.06
241	L-808	Magneto	23.25
242	L-809	Magneto coupling	2.25
	L-810	Magneto shaft extension	.32
243	1709	Spark plug	.60
244	L-816	Muffler	1.14
	L-816-A	Muffler elbow	.39
n245	L-817	Air filter	1.50
246	L-818	Air filter elbow	1.72
247	L-819	Air filter manifold(37 Model)	.56
248	L-812	Oil filter	2.46

* See Note 1, Page 42

n See Note 4, Page 42

L CHAMP IN 14

L AC- P21S

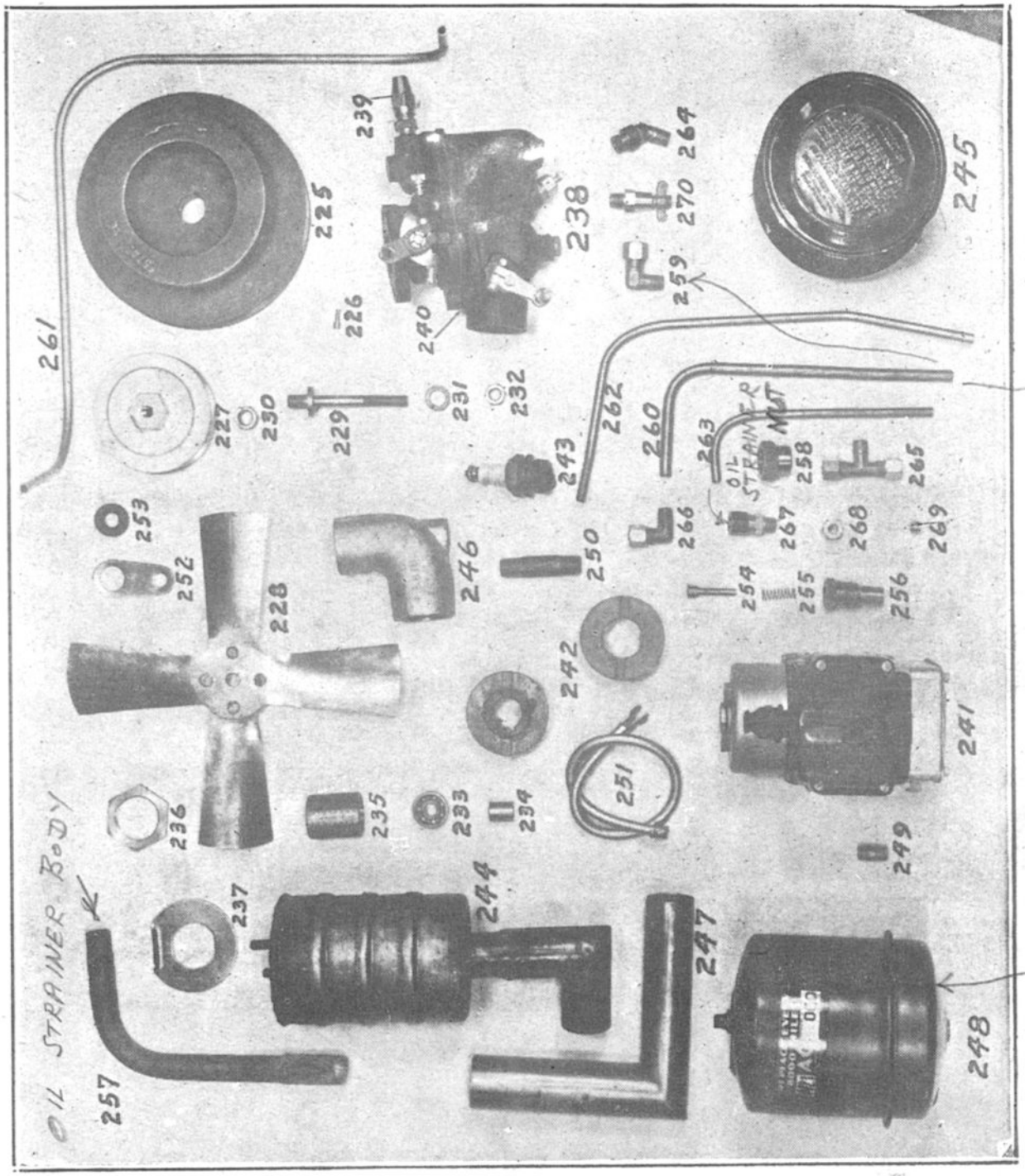


PLATE 7—PRICE LIST—Continued

Photo No.	Part No.	Name	Price
249	L-814-E	Oil filter nipple	$ .06
251	1731	Magneto cable, complete	.30
252	L-826	Cable bracket	.09
253	L-827	Rubber grommet	.03
254	L-815-B	Relief valve	.33
255	L-815-C	Relief valve spring	.06
256	L-815-A	Relief valve body	.33
257	L-822	Oil strainer body	.48
258	L-823	Oil strainer nut	.30
259	L-814-F	Pump supply elbow	.18
260	L-813-A	Pump supply line	.06
261	L-813-B	Pump discharge line	.06
262	L-813-C	Motor supply line	.06
263	L-813-D	Filter discharge line	.06
264	1723	Connector on engine	.20
265	L-814-C	Discharge line tee	.21
266	L-814-D	Motor supply elbow	.12
267	L-814-A	Pump supply connection	.12
270	L-214	Oil level try cock	.18
	L-729 A&B	Choke cable, complete	.20

PLATE 8

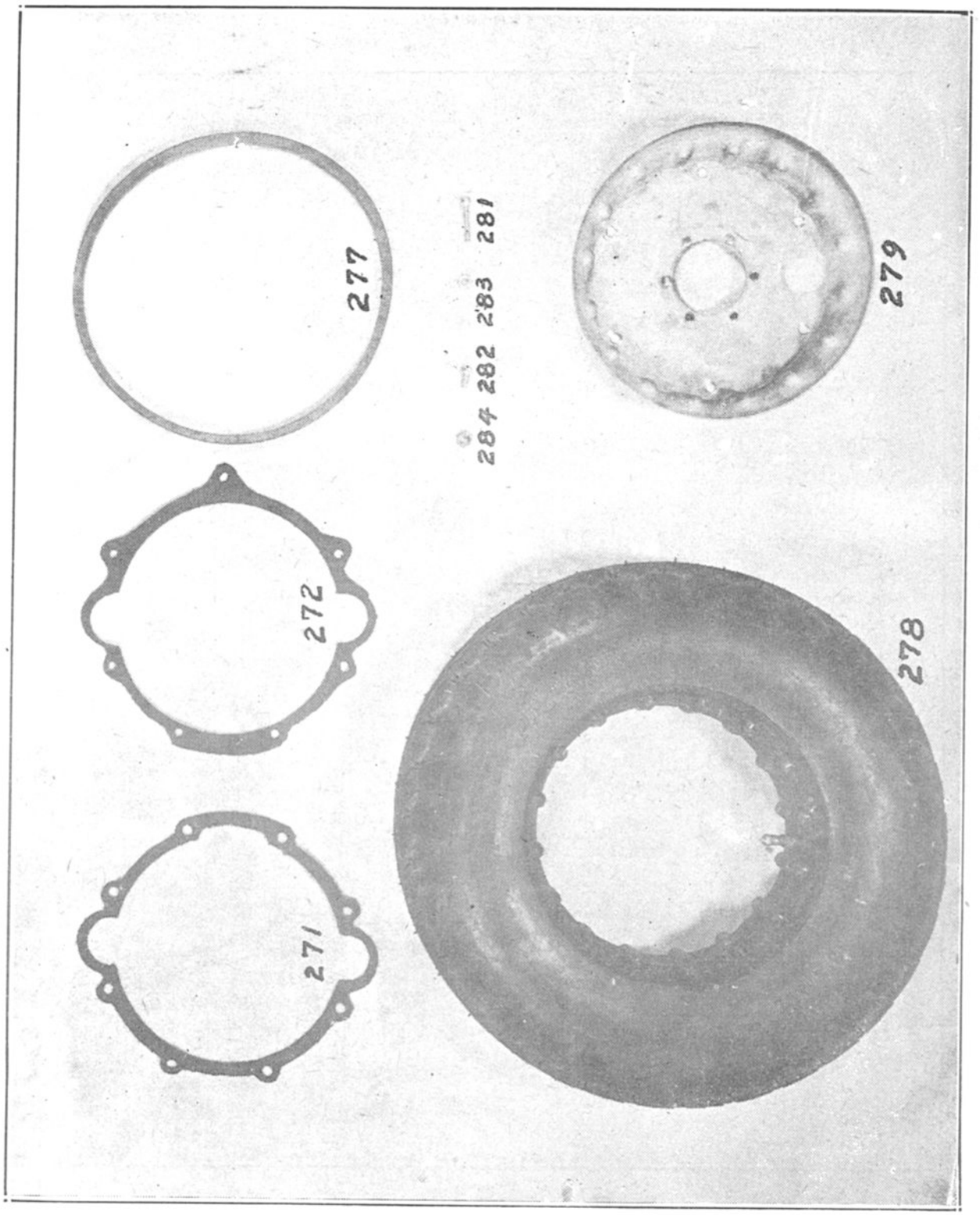


PLATE 8—PRICE LIST

Photo No.	Part No.	Name	Price
271	L-209	Chassis front gasket	$ .06
272	L-210	Chassis rear gasket	.06
	L-407-A	Plunger guide gasket	.03
	L-407-B	Manifold gasket, upper	.03
	L-807-A	Carburetor gasket	.03
	L-807-B	Muffler gasket	.03
277	5163	Fan belt	.75
278	16"	Tire	8.00
279		Wheel, inner section	.90
280		Wheel, outer section	.90
281		Wheel bolt, long	.01
282		Wheel bolt, short	.01
283		Wheel bolt lock washer	.01
284		Wheel bolt nut	.01
	L-616	Wheel, complete	10.00

* See Note 1, Page 42

PLATE 9—PRICE LIST

Photo No.	Part No.	Name	Price
400	L-701	Tank	4 95
401	L-222	Fan housing	2.88
402	L-202-A	Baffle plate	.72
403	L-536	Pin plate quill	2.50
404	L-546	Pinion shaft bearing	.20
405	L-539	Front pin spacer	1.45
406	L-540	Reverse idler	.96
407	L-541	Reverse idler bushing	.10
408	L-542	Reverse idler bolt	.10
409	L-543	Pinion shaft	2.50
410	L-544	Clutch dog	2.80
*411	L-545	Shipper shaft	1.12
412	L-828	Filter bracket	.15
413	165-S	Filter bracket bolt	.02
414	303-W	Filter bracket washer	.01

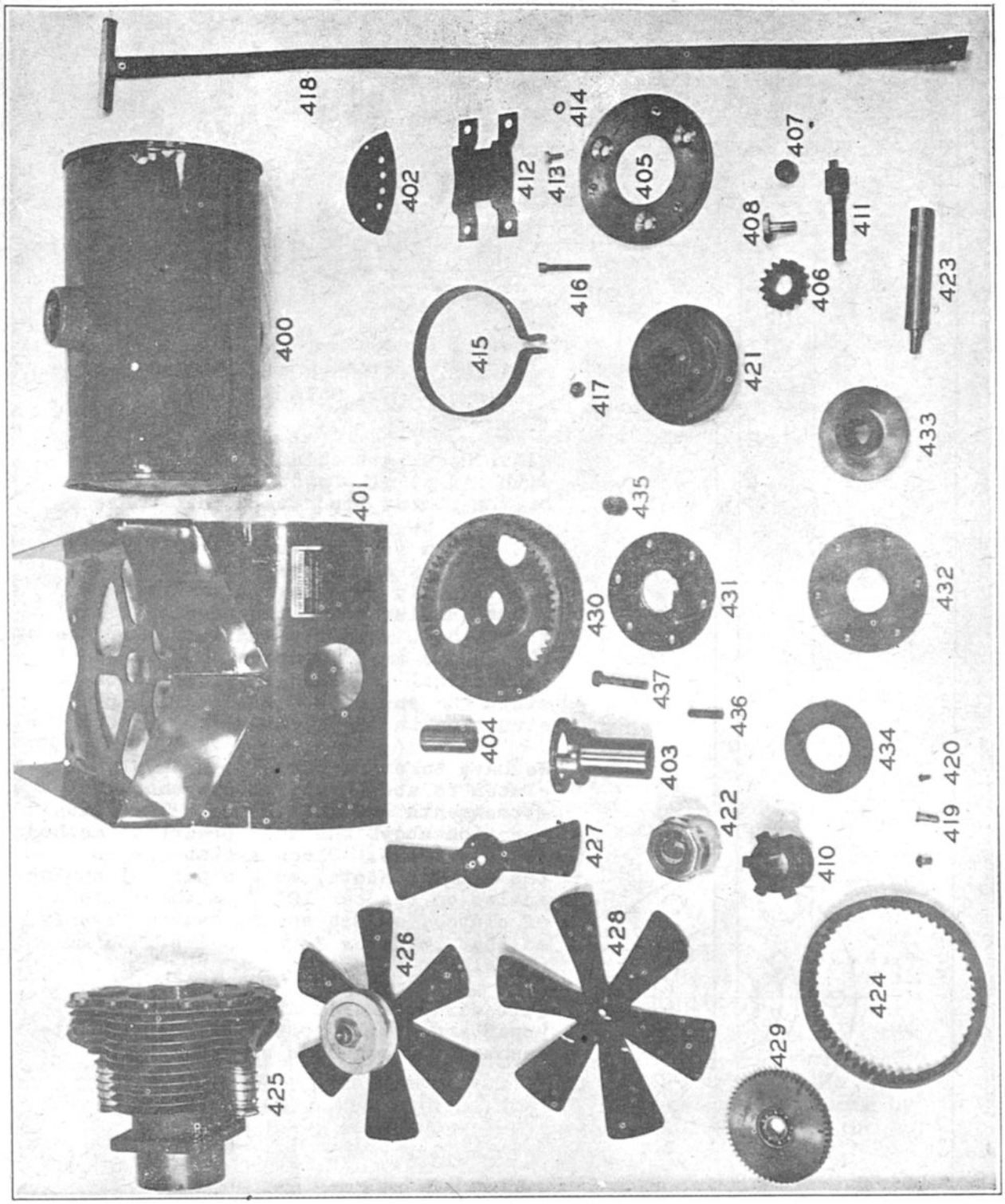


PLATE 9—PRICE LIST—Continued

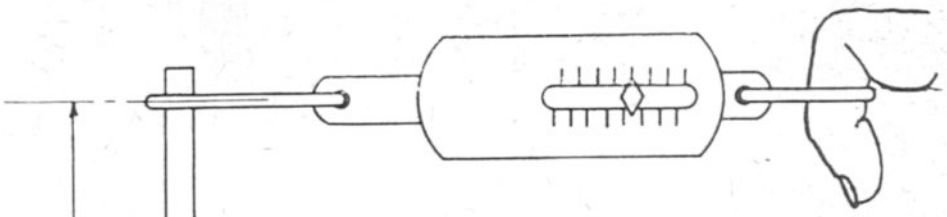
Photo No.	Part No.	Name	Price
415	L-829	Oil filter mounting bands	$ .06
416	149-S	Filter band bolts	.06
417	303-W	Filter band washer	.01
418	2801-L	Starting strap	.75
421	L-614	Wheel hub	1.72
422	L-617	Hub cap	.20
423	L-810	Magneto shaft extension	.32
425		Cylinder assembly, complete	23.50
426		Fan & bearing assmb., comp	5.43
427	L-805	Fan blades	.48
428		Blade assembly, complete	1.60
429		Timing idler & bearing asmbly	3.25
430	L-537&8	Reverse Cone assembly	5.76
431	SC-30	Dog plate	3.90
432	SC-32	Back plate	.50

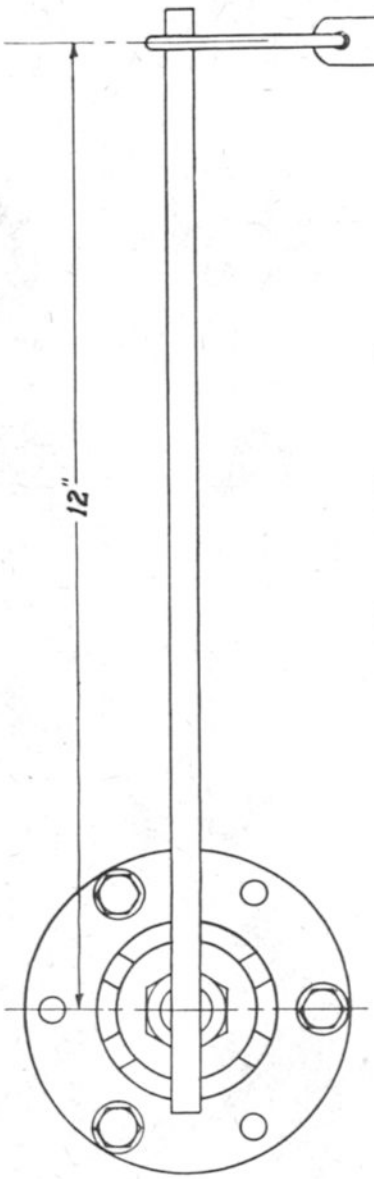
Photo No.	Part No.	Name	Price
433	SC-33	Drive plate	.95
434	SC-34	Friction washer	.16
435	SC-35	Spring	.06
436	SC-36	Drive stud	.08
437	167-S	Spring bolt	.05
437	204-N	Spring bolt nut	.02
437	304-W	Spring bolt nut washer	.01
		Safety clutch, complete	6.30

PARTS NOT SHOWN BUT USED ON 37 MODEL ONLY

814-B	Discharge line connection	.09
SC-31	Dog plate	1.20

ADJUSTING SAFETY SLIP CLUTCH





INSTRUCTIONS FOR ADJUSTING SAFETY SLIP CLUTCH

All L Model Attachments are equipped with safety slip clutches and it is of the utmost importance that these clutches be properly adjusted. If the clutch is too loose it will not efficiently drive the attachment. If too tight it may prove disastrous to the transmission of the tractor. Due to the high velocity and weight of the fly wheels in the engine it would be impractical to build a transmission to stand the shock when getting an obstruction in the attachment.

We have taken recourse to a safety slip clutch to absorb all shocks that the attachments are subject to. The illustraction shows the most practical method of adjustment. Place a flat bar in the driving slots, hook a pair of spring scales on the bar 12" from the center of clutch, adjust spring tension evenly so that it takes 30 to 36 lbs., to make the clutch slip.

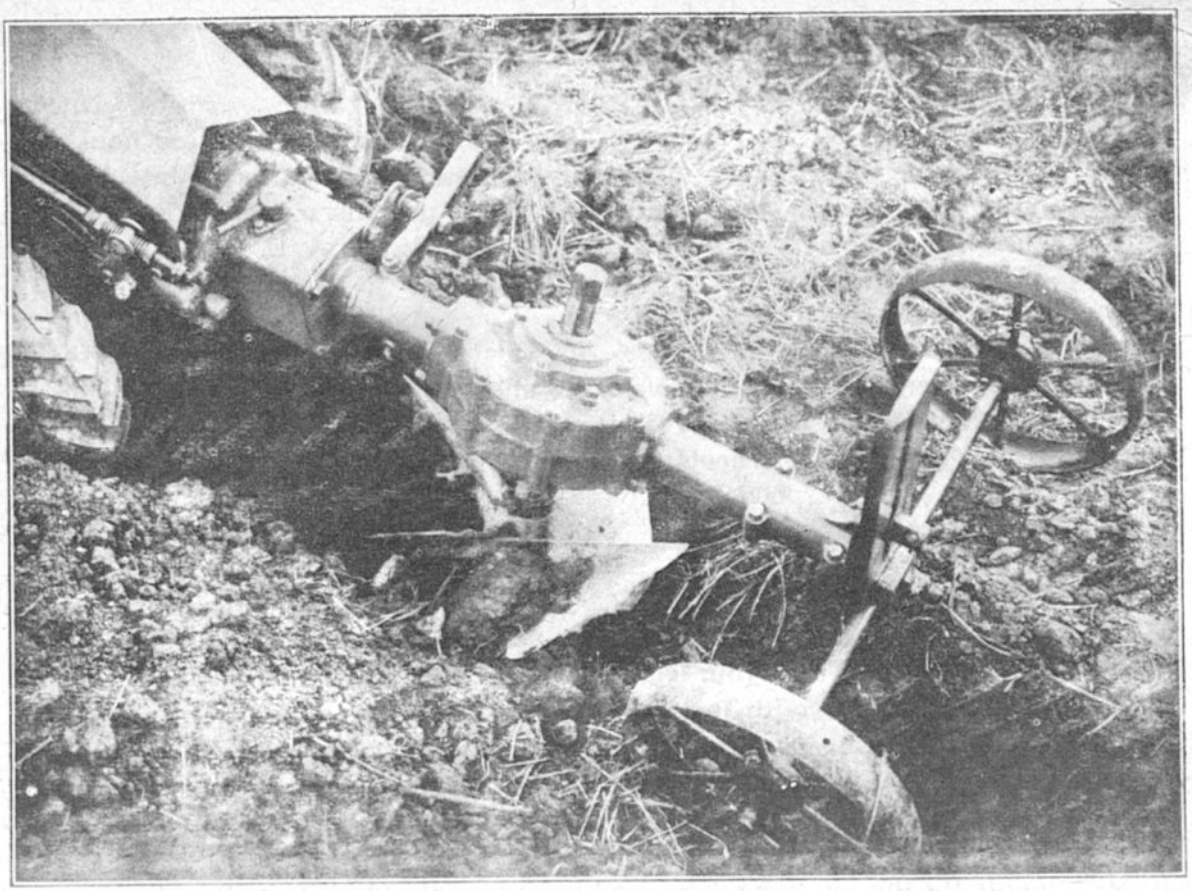
This will transmit all of the engine power and still protect tractor and attachments from undue shocks.

GRAVELY MOTOR PLOW & CULTIVATOR CO.
DUNBAR, W. VA.

*OIL BATH AIR CLEANER

Part No.	Name	No. Req.	Price Each
L-819-B	Manifold return casting	1	$ 1.20
L-819-C	Air filter bracket	1	1.40
L-819-D	Air filter bracket bolt	1	.04
L-819-E	Air filter bolt	1	.08
L-819-F	Wing nut	1	.05
L-819	Air filter manifold	1	.56
L-817-A	Donaldson oil bath air cleaner		3.50
L-819-G	Gasket	1	.06
2926	Gasket	1	.01
101-S	Screw	2	.01

*See note 4 Page 42



GRAVELY ROTARY PLOW

USING THE ROTARY PLOW

Attach the Rotary Plow to the Tractor and use it as shown in the above picture. In the following instructions, the photograph numbers all refer to Plate 10 on page twenty-three. The most important adjustments you will want to make are for width and depth of cut.

DEPTH OF CUT: Govern the depth of cut first by inserting the cotter pin into the Rotor Shaft (14). The higher up on the shaft you insert the pin the further down will go the blades and the deeper the furrow. Then, make your final depth adjustment by sliding the wheel bracket clamp screw (17) up or down on the wheel bracket (5). The lower you set it, the deeper you will plow.

WIDTH OF CUT: Adjust the width of the cut by the position of the wheel bracket (5) in relation to the depth wheel that rides in the furrow. The closer over to the depth wheel you move the wheel bracket the narrower will be the cut. The wider the distance between the depth wheel and the wheel bracket the wider the cut will be.

SIDE DRAG: Sometimes there will seem to be an excessive side drag either to the right or left when plowing. This side drag is controlled by the angle of the Rotor Shaft (14). The more nearly perpendicular the Rotor Shaft, the greater is the tendency to the left. The more nearly horizontal, the greater tendency to the right. The angle of the Rotor Shaft is controlled by the sliding bracket clamp which is located on the casting next to where the plow fastens on to the tractor. After a few trials you will be able to quickly adjust the plow so that it will require little effort to plow a straight furrow.

DIRT SHIELD: The Dirt Shield (20) is attached to the outer gear housing by the dirt shield braces (21). Remove the two outer bolts from the gear housing and attach the braces. Then, bolt the dirt shield on to the other end of the braces. By bending these braces, you can put the shield in a position to throw the dirt in any manner desired.

LUBRICATION: Notice the oil plug found on top of the gear housing of your plow. This is the only necessary lubrication point. For proper lubrication, you should first drain out the old oil. Then, fill with about one and one-half pints of MOBILUBE C (S. A. E. 140 Gear Oil) or its equivalent.

GEARED WHEELS: If, when using the tractor with the rubber-tired wheels, it does not have quite enough traction, or the speed too fast (be sure to use it awhile before deciding this) it is possible to remove the rubber wheels and insert instead the steel wheels which have a geared speed reduction. These have more weight which means greater traction.

PLOWING: In plowing your ground, you will run your furrows exactly the same as you would with a turn plow. The greatest difference will be that your ground is completely pulverized instead of just turned over with the hardest work yet to be done.
When using the Tractor with the Sickle Mower, you will quickly decide that it is the easiest machine to handle you have ever operated. However, in using the Rotary Plow, you might at first say just the opposite. But, take our word that after you achieve the best adjustments for the job to be done, and have become familiar with the plow, it is just as easy to use as the mower.

PLATE 10—PRICE LIST

ROTARY PLOW PARTS PRICE LIST

Photo No.	Part No.	Name	Price
1	M-101	Drive shaft housing	$3.00
2	M-102	Swivel casting	2.50
3	5308	Housing bearing cap	1.84
4	5331	Gear housing extension	4.00
5	5303	Wheel bracket	1.64
6	5304	Axle clamp	.45
7	5330	Upper gear housing	3.65
7	5330	Lower gear housing	3.65
8	5306	Bevel gear hub	4.72
9	5312	Rotor spider hub	3.10
10	5315	Bevel gear	2.44
11	5326	Wheel bracket swivel	1.48
12	5328	Wheel bracket cap	1.04
13	5309	Bevel pinion	2.36
14	5310	Rotor axle	1.40
15	5311	Depth wheel axle	.90
16	M-308	Drive shaft	1.00
17	5325	Wheel bracket clamp screw	.50
18	5325-A	Wheel bracket clamp handle	.10
19	5322	Rotor spade cutter	1.00
20	5324	Dirt shield	.88
21	2703	Dirt shield braces	.15
22	3136	Column shims—.005	.06
		—.010	.09
		—.020	.12
23	3147	Pinion shaft bearing	1.45
24	1304	safety clutch nut	.10
25	309-W	Pinion shaft lock washer	.02
26	2208	Bevel gear hub bearings	5.84
27	5003	Housing bearing cap felt	.12
28	5327	Depth wheels	2.04
29	5318	Gear housing oil seals	1.08
30	5317	Bearing adjusting shims—.005	.05
		—.010	.12
		—.020	.21
31	M-326	Pinion shims	.03
32	3147	Pinion shaft bearing	1.45
34	⅜"x1-¾"	#3 plow bolts	.05

SCREWS, NUTS, BOLTS, ETC.

Photo No.	Part No.	Name	Price
35	⅜"x1-¾"	Plow bolt nuts	.01
36	121-S	Bevel gear bolt	.06
37	305-W	Lock washer	.01
38	110-S	Bearing cap bolt	.05
39	305-W	Lock washer	.01
41	504-K	No. 9 woodruff key	02
42	219-N	Pinion shaft nut	03
43	304-W	Lock washer	01
44	5317	Bearing shim—.005	.05
		—.007	08
		—.020	.15
45	160-S	Axle clamp bolt	.03
47	308-W	Lock washer	.01
48	112-S	Extension bolt	05
49	602-C	Axle cotter	.01
50	603-C	Rotor shaft cotter	.01
51	151-S	Gear housing bolt	.05
52	121-S	Brace bolt	06
53	205-N	Brace nut	.04
54	305-W	Brace lock washer	.01
55	5056	Mounting gasket	.08

The following parts, but recently developed, have no Photo No. and must be ordered by Part No. and Name.

Part No.	Name	Price
A-301	Adjusting bracket	.30
A-302	Adjusting handle	.30
172-S	Adjusting bolt	.07
410-W	Adjusting bolt washer	.01
211-N	Adjusting bolt nut	.03
3213	Adjusting spacer	.06
151-S	Handle bolt	.05
305-W	Handle bolt lock washer	.01
205-N	Handle bolt nut	.04
L-126	Drive shaft oil seal	.45
3151	Drive shaft oil seal retainer	.06

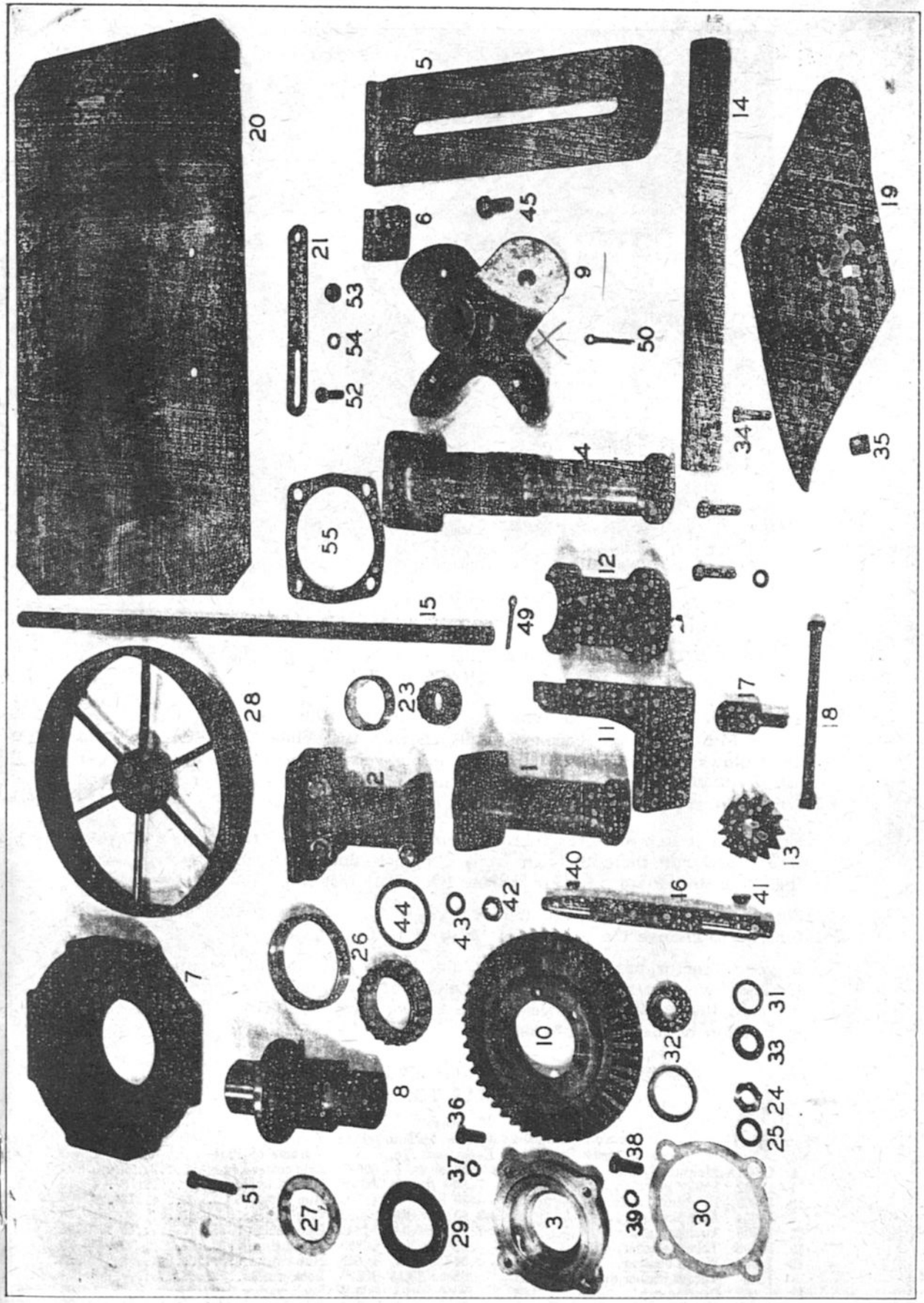
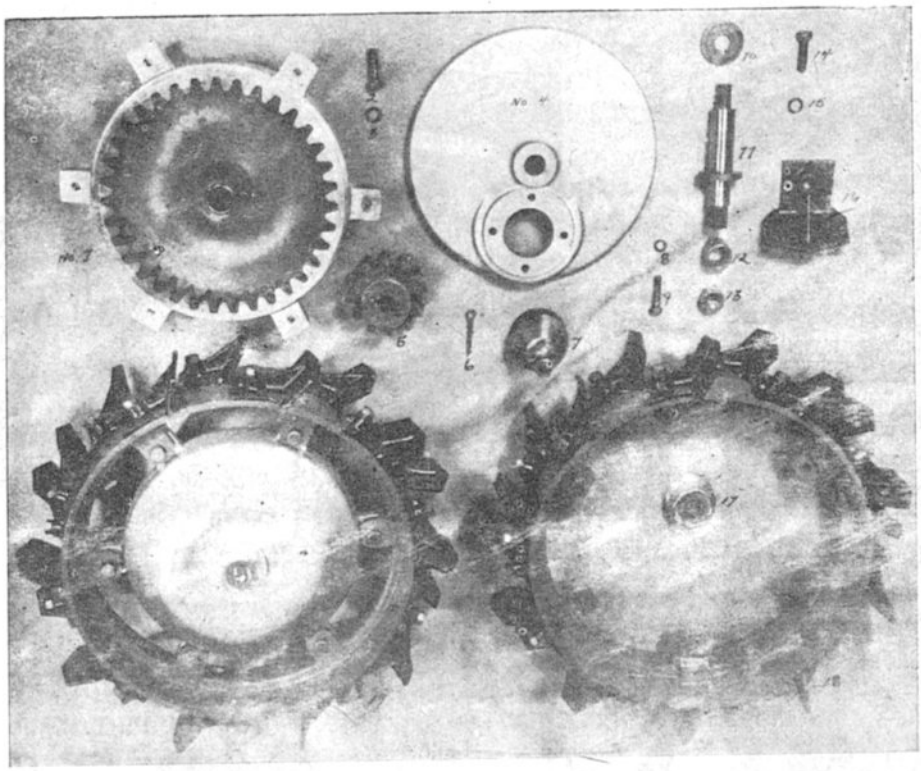


PLATE 10—PRICE LIST ON PAGE 22

PLATE 11



SPECIAL WHEELS WITH SLOW SPEED GEAR RATIO

INSTRUCTIONS FOR MOUNTING GEARED WHEEL ON STANDARD TRACTOR

To remove the Standard Wheels, take off the Hub Cap, Wheel, Nut and Cotter Pin. Screw on Knocker furnished with the Wheel Set. Strike several hard blows with a medium heavy hammer until Wheel is loosened. After lifting off Wheel, install Pinion (5). Then, place completely assembled Geared Wheel on axle housing.

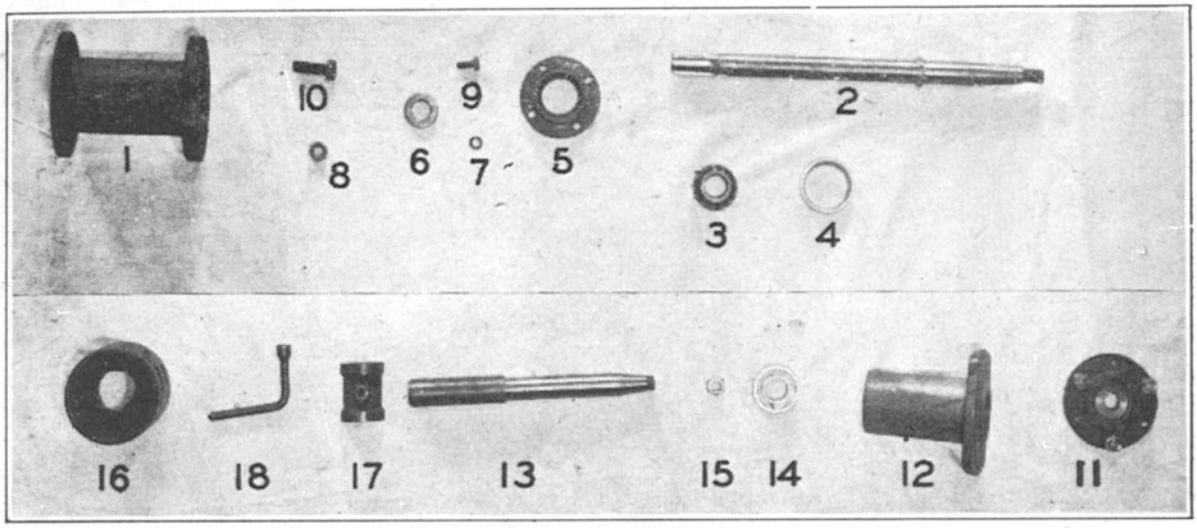
For the next step, take the four, one-half inch cap screws furnished with your wheel, and run them through from the back side of the Axle Housing into the Mounting Plate on your wheel. This will fasten the wheel on securely.

Should you wish to change the position of the wheels, it will be necessary for you to change the position of the axle housing on the Tractor Chassis.

If your Tractor has Rubber-tired Wheels, and you do not get quite enough traction, we can furnish you with a set of tire chains which will tend to increase the Traction. However, the rubber tires with chains are not equal in traction to the Geared Wheels.

GEARED WHEELS FOR L TRACTORS

Photo No.	Part No.	Name of Part	No. Req.	Price Each
4	L-901A	Mounting plate	2	$ 3.20
1	L-902	Spider gear	2	7.10
18	L-903	15" Rim	2	8.80
5	L-904	Axle pinion	2	3.85
11	L-905	Auxiliary axle	2	1.75
10	L-906	Thrust washer	2	.25
12	L-908	Wheel bearing	4	.68
	1604	Thrust washer dowel	2	.02
11	L-909	Bearing cap	2	.25
13	219-N	Bearing nut	2	.06
13	222-N	Axle securing nut	4	.04
6	606-C	Axle cotter key	2	.02
9	160-S	Mounting plate bolt	8	.10
2	111-S	Rim bolts	12	.05
16	2206	Cleat	40	.25
14	112-S	Cleat bolts	40	.05
	L-913	Bearing spacer	2	.20
17	L-617	Hub caps	2	.25
3&15	305-W	Lock washer		.01
8	304-W	Lock washer		.01
7	L-914	Wheel knockout	1	.30
		Set complete wheels	2	$70.00

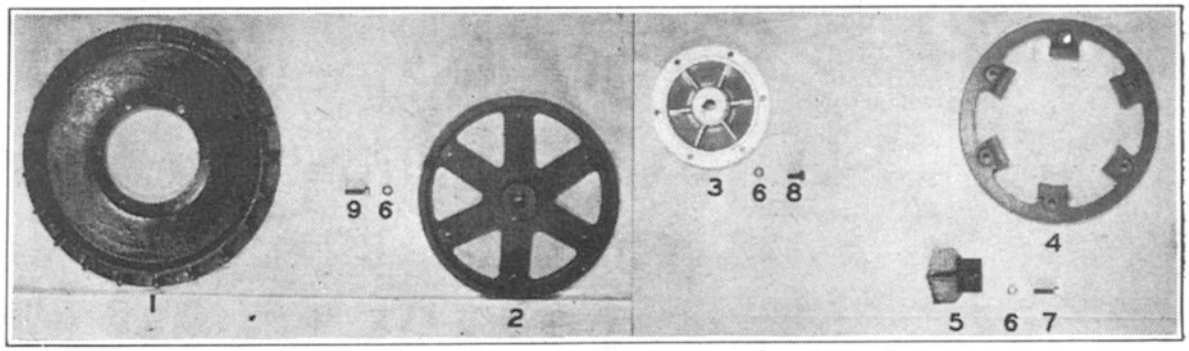


EXTENSION AXLES

Photo No.	Part No.	Name	No. Req.	Price Each
1	L-203B	Extension housing	2	$ 4.50
2	L-611-6	Extension axle	2	2.40
3	L-610	Bearing	4	1.53
4	L-610	Bearing cup	4	.60
5	L-204-A	Bearing cap	2	.72
6	L-221	Oil seal	4	.45
7	306-W	Washer	8	.01
8	211-N	Extension housing bolt	8	.03
9	126-S	Bearing cap bolt	8	.02
10	173-S	Extension housing bolt	8	.04

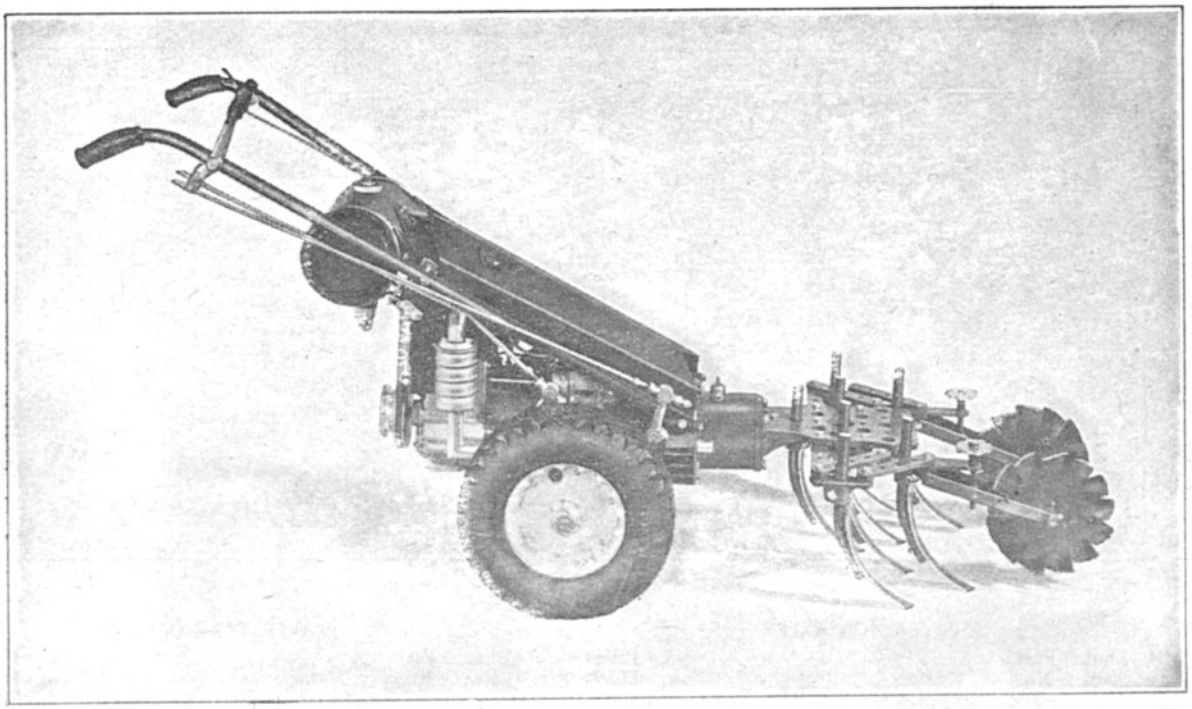
POWER TAKE-OFF

Photo No.	Part No.	Name	No. Req.	Price Each
11		Slip safety clutch, complete	1	6.30
12	A-120	Bearing housing	1	3.04
13	A-337	P. T. O. shaft	1	2.40
14	A-338	Bearing	2	2.16
15	1304	Clutch nut	1	.07
16		Pulley		6.25
17		Pulley hub		1.20
18		Pulley wrench		.80
		P. T. O. stand(Not illustrated)	2	1.40



EXTENSION WHEEL AND L-616 TRACTION WHEEL

Photo No.	Part No.	Name	Price Each
1	L-616	Traction wheel(interchangeable with rubber wheel) Specify whether rubber or steel is needed	$ 8.50
2	L-615-A	Cast wheel	5.00
3	L-614-B	Wheel hub used with L-616 wheel)	2.40
4	L-615-B	Extension rim	3.84
5	2206	Cleat	.25
6	305-W	Washer	.01
7	112-S	Cleat Screw	.05
8	121-S	Hub screw	.06
9	112-S	Rim screw	.05



FRONT TOOL HOLDER

There are many and varied small cultivating tools that can be used on the ONE tool holder. We picture the 7 1-¼" Cultivating Steels. This is self-explanatory. The steels themselves can be used in different formations, etc. It is generally more satisfactory to use 7 steels even if used in narrower widths.

In a very hard soil it sometimes helps to put a weight on the holder. On this same Tool Holder and with the same steel Shanks you attach such tools as Furrower, Sweeps, Hillers, etc.

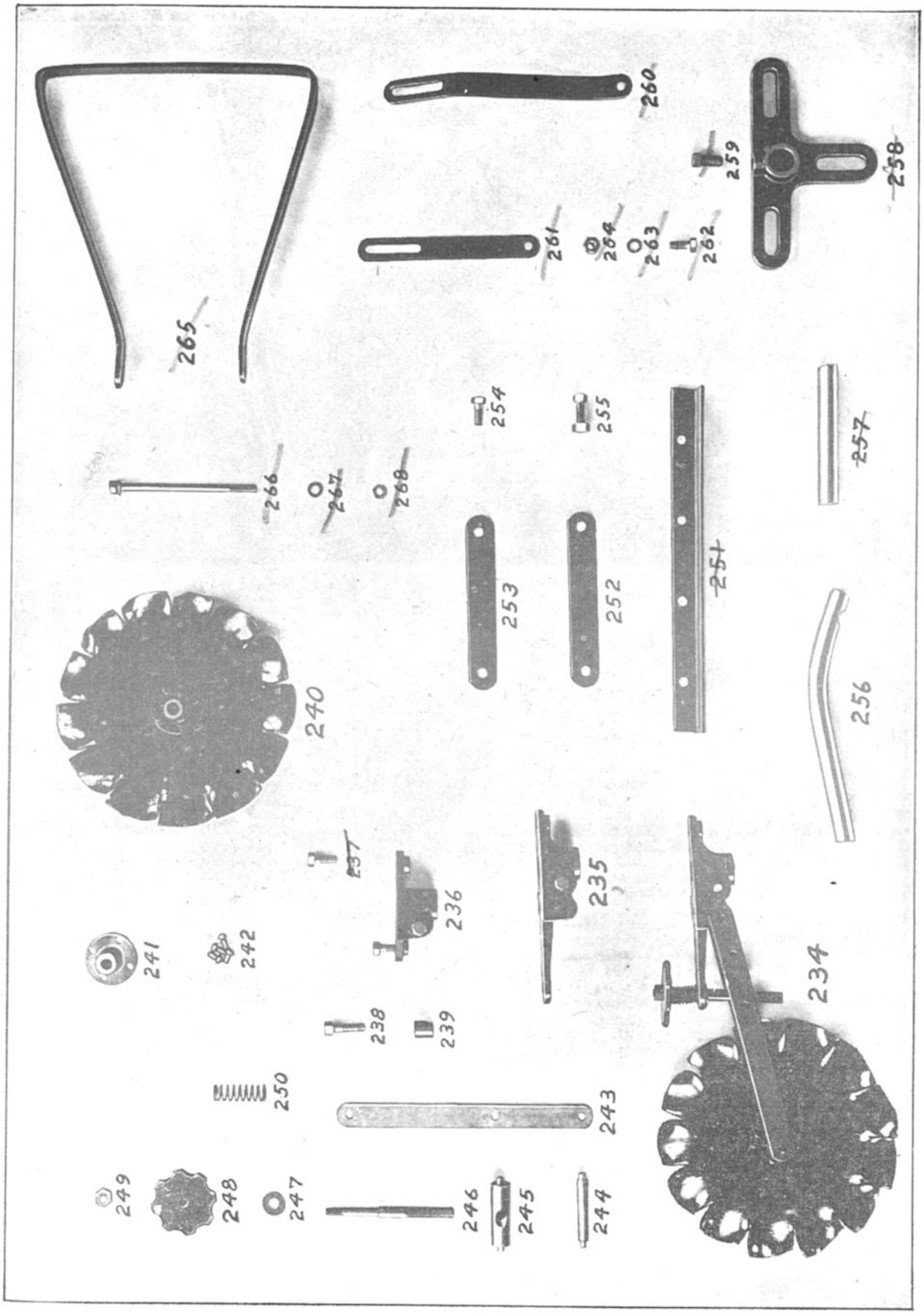
See Plate 12 for illustration of parts.

PARTS PRICE LIST FOR "L" FRONT TOOL HOLDER

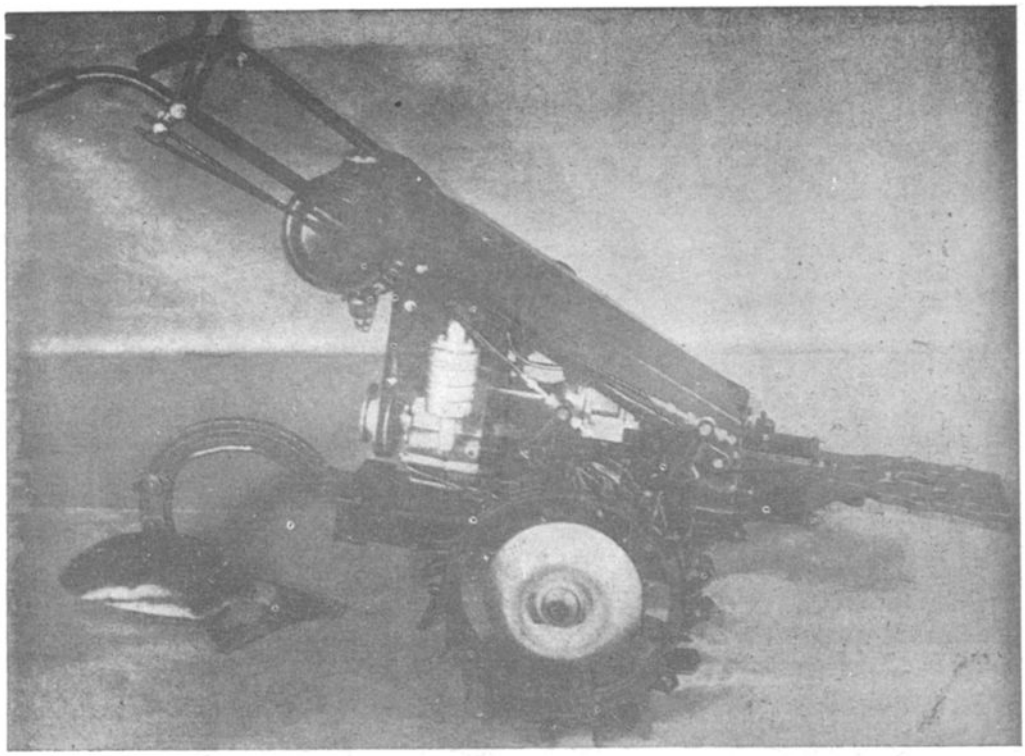
Photo No.	Parts No.	Description	No. Req.	Price Each
234		Depth adjusting wheel	2	$ 5.00
235	2709	Wheel mounting bracket	2	1.50
236	2710	Plain shank holder, com	5	.50
238	2725	Shank clamp bolt	7	.15
239	2726	Shank clamp nut	7	.10
240	2715	Depth wheel complete with hub	2	.90
241	2716	Depth wheel hub	2	.30
242	2717	Depth wheel rivet	8	.01
243	2718	Depth wheel link	4	.30
244	2719	Depth wheel link spacer	4	.14
245	2724	Depth adjusting nut	2	.30
246	2720	Depth adjusting screw	2	.25
247	403-W	Depth adjusting sc. wash	2	.01
248	2721	Depth adjusting knob	2	.10
249	205-N	Knob lock nut	2	04
250	1602	Depth screw friction sprg	2	.16
252	2708	Parallel bar	8	.28
256	2712	Long tool shank	7	40
	5055	Front tool holder frame	1	5 00
	5056	Front tool hldr. frm. gskt.	1	08
255	112-S	Parallel bar extension blt	14	05
	602-C	Cotter key	7	01
Complete tool holder for "L" Model—front				$20.00

The following numbers appearing on Plate #12 are used on Model D Toolholders only: Photos #'s 237-251 257 to 268 inclusive.

PLATE 12



Price List on page 26.



TURN PLOW

TOOL HOLDER

Parts of this same Hitch is used in attaching the rear tool holder; also Water Ballast Roller.

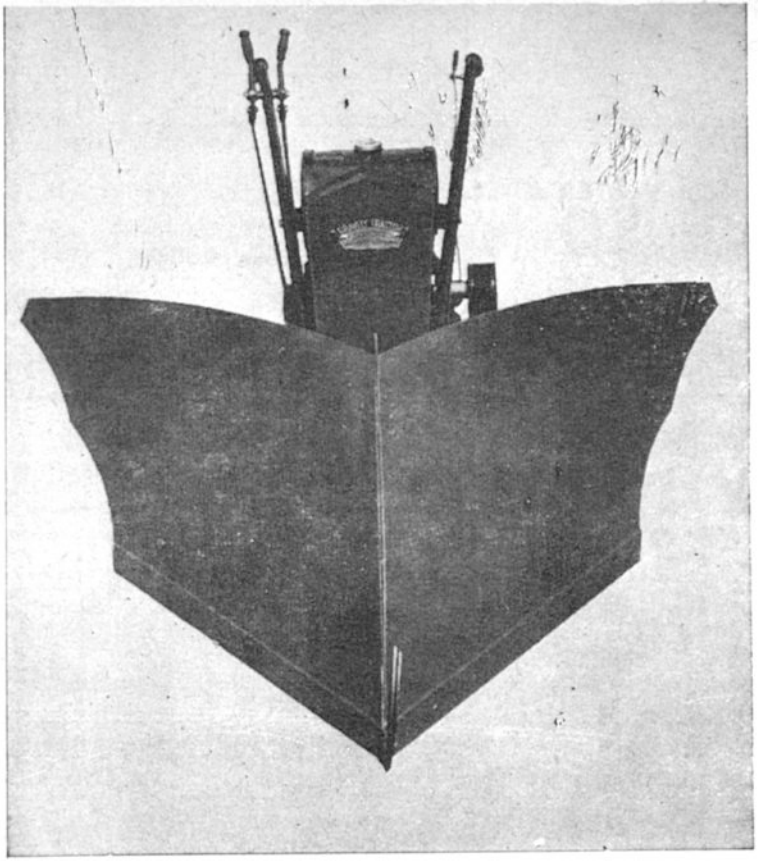
PARTS PRICE LIST FOR "L" REAR TOOL HOLDER

Photo No.	Parts No.	Description	No. Req.	Price Each
234		Depth adjusting wheel	2	$ 5.00
235	2709	Wheel mounting bracket	2	1.50
236	2710	Plain shank holder, com	3	.50
238	2725	Shank clamp bolt	5	.15
239	2726	Shank clamp nut	5	.10
240	2715	Depth wheel complete with hub	2	.90
241	2716	Depth wheel hub	2	.30
242	2717	Depth wheel rivet	8	.01
243	2718	Depth wheel link	4	.30
244	2719	Depth whl. link spacer	4	.14
245	2724	Depth adjusting nut	2	.30
246	2720	Depth adjusting screw	2	.25
247	403-W	Depth adj. screw wash	2	.01
248	2721	Depth adjusting knob	2	.10
249	205-N	Depth adj. knob lc. nut	2	.04
250	1602	Depth screw friction spring	2	.16
252	2708	Parallel bar	8	.28
253	2707	Parallel bar clamp	2	.40
254	112-S	Parallel bar clamp bolt	2	.05
256	2712	Long tool shank	5	.40
	A-101	Rear toolholder or turn plow casting	1	5.00
	A-103	Rear tool holder hitch	1	2.50
	A-322	Tool frame pivot pin	1	.15
255	112-S	Parallel bar extension bolt	10	.05
	602-C	Cotter key	5	.01

Complete tool holder for "L" Model—rear $15.00

TURN PLOW PARTS

6½" Turn plow, less hitch	$10.80
8" Turn plow, less hitch	15.00
6½" Turn plow standard	1.25
6½" Turn plow point	1.25
8" Turn plow point	2.00
A-101 Rear tool holder or turn plow casting	5.00
A-102 Turn plow beam	3.00
A-322 Tool holder pivot pin	.15
6½" Turn plow complete with rear hitch	12.00
8" Turn plow complete with rear hitch	18.00



ADJUSTABLE V TYPE SNOW PLOW

In many cases you will be able to move heavier snow by using a good heavy weight of around 100 pounds on this plow and to make it hold the ground as closely as possible. TO ADJUST: Rear and Front Cross Hitch have adjusting holes. Use inner holes for narrowest width and other for widest.

Parts for V Type Snow Plow

Part No	Name of Part	No. Req	Price Each
5900	Plow sides	2	$10.00
5901	Hitch angle brace	4	.80
5903	Rear cross hitch	1	.90
5904	Front cross hitch	1	.45
5907	Loose pin butt hinge	2	.25
2717	Round head rivet	12	.01
147-S	Counter sink head bolt	8	.06
	Counter sink head rivets	18	.01
205-N	Hex nut	12	.04
305-W	Lock washer	12	.01
5908	Hinge tie rod	1	.25
5055	Toolholder frame	1	5.00
112-S	Hex head cap screw	2	.05
5909	Plow side blades	2	2.00
5911	D hitch cross arm	1	1.00
5912	D hitch swivel	1	1.20
162-S	Attaching bolts D & L	2	.10
5913	Spacer	1	.10
	Snow plow complete with hitch		$40.00

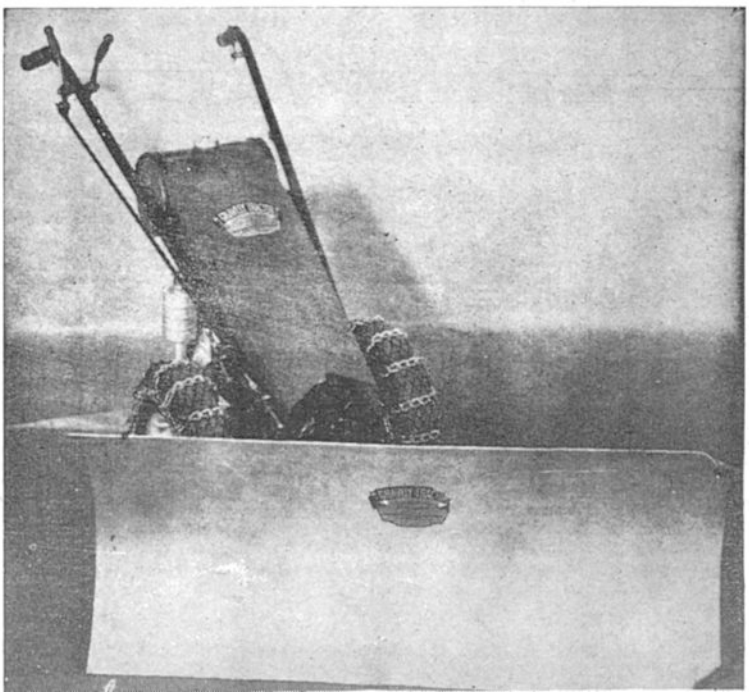
Parts for Blade Type Snow Plow

Part No.	Name of Part	No. Req.	Price Each
A-119	Bracket	1	$ 6.00
A-118	Swivel (female) Old Style	1	5.00
A-312	Retaining bolt	1	1.50
A-313	Blade	1	12.00
219-N	Retaining bolt nut	1	.06
141-S	Bracket bolt	4	.05
147-S	Blade bolt	4	.06
205-N	Blade Bolt nuts	4	.09
606-C	Cotter pin	3	.01
305-W	⅜" lock washer	8	.01
M-321	Swivel grease cup	1	.12
A-332	Knuckle pin	1	.90
A-333	Adjusting bolt	1	.30
208-N	Adjusting bolt nut	2	.09
A-334	Wearing strip	2	3.00
141-S	Wearing strip bolt	10	.05
214-N	Wearing strip nut	10	.03
	Skids	2	1.50
147-S	Skid bolts	4	.06
	Complete blade type snow plow		$40.00

REVERSIBLE BLADE TYPE SNOW PLOW

To reverse the Throw, swing the Plow over without changing a single bolt.

When using the GRAVELY for removing snow a set of Tire Chains will greatly increase the traction.



PARTS FOR WATER BALLAST ROLLER

Two Section Roller

Part No.	Name of Part	No. Req.	Price Each
A-326	Frame	1	$ 5.00
A-327	Draw bar	1	3.40
A-327-A	Draw bar eye	1	.32
	18"x 24" roller	2	14.50
5809	Seat spring	1	2.55
	Seat	1	1.35
160-S	Seat bolt	1	.03
211-N	Seat bolt nut	1	.03
121-S	Bearing bolt	4	.06
111-S	Bearing bolt	4	.05
111-S	Draw bar bolt (rear)	1	.05
137-S	Seat spring bolt	2	.06
205-N	Draw bar nut	3	.04
305-W	⅜" washer	11	.01
L-228	Attachment boss	1	1.32
A-322	Pivot pin	1	.16
152-S	Tool frame bolt	4	.04
606-C	Cotter pin	2	.02
A-348	SKF Bearing Pillow block	1	8.40
A-101	Rear tool holder	1	5.00
	Water ballast roller complete with hitch		$55.00

Three Section Roller

Photo No.	Part No.	Name	No. Req.	Price Each
1	A-352	Roller frame (Specify R. or L.)	1	$ 2.00
2	A-352	Roller frame (Trail)	1	2.00
3	A-354	Draw bar	1	1.00
4	A-101	Rear hitch casting	1	5.00
5	A-303	Seat spring	1	2.55
6		Seat	1	1.35
7	A-371	Roller (14x24)	3	13.75
8	A-113	Roller Shaft Bearing	6	.70
9	211-N	Draw bar bolt nut	1	.03
10	172-S	Draw bar bolt	1	.07
11	205-N	Bearing bolt nut	12	.04
12	112-S	Bearing bolt	12	.05
13	305-W	Bearing bolt washer	12	.01
14	211-N	Draw bar bolt lock nut	1	.03
15	A-357	Frame pivot pin	4	.05
16	308-W	Seat bolt washer	1	.03
17	602-C	Cotter pin	8	.01
18	211-N	Seat bolt nut	1	.03
19		Carriage bolt	1	.05
20	205-N	Seat spring bolt nut	1	.04
21	305-W	Seat spring bolt nut washer	1	.01
22	112-S	Seat spring bolt	1	.05
	A-353	Connecting frame	2	.80
	A-322	Pivot pin	1	.16
	606-C	Cotter pin	2	.02
	160-S	Rear casting bolt	4	.04
	1699	Alemite grease fitting	6	.18
	L-228	Attachment boss cover	1	1.32

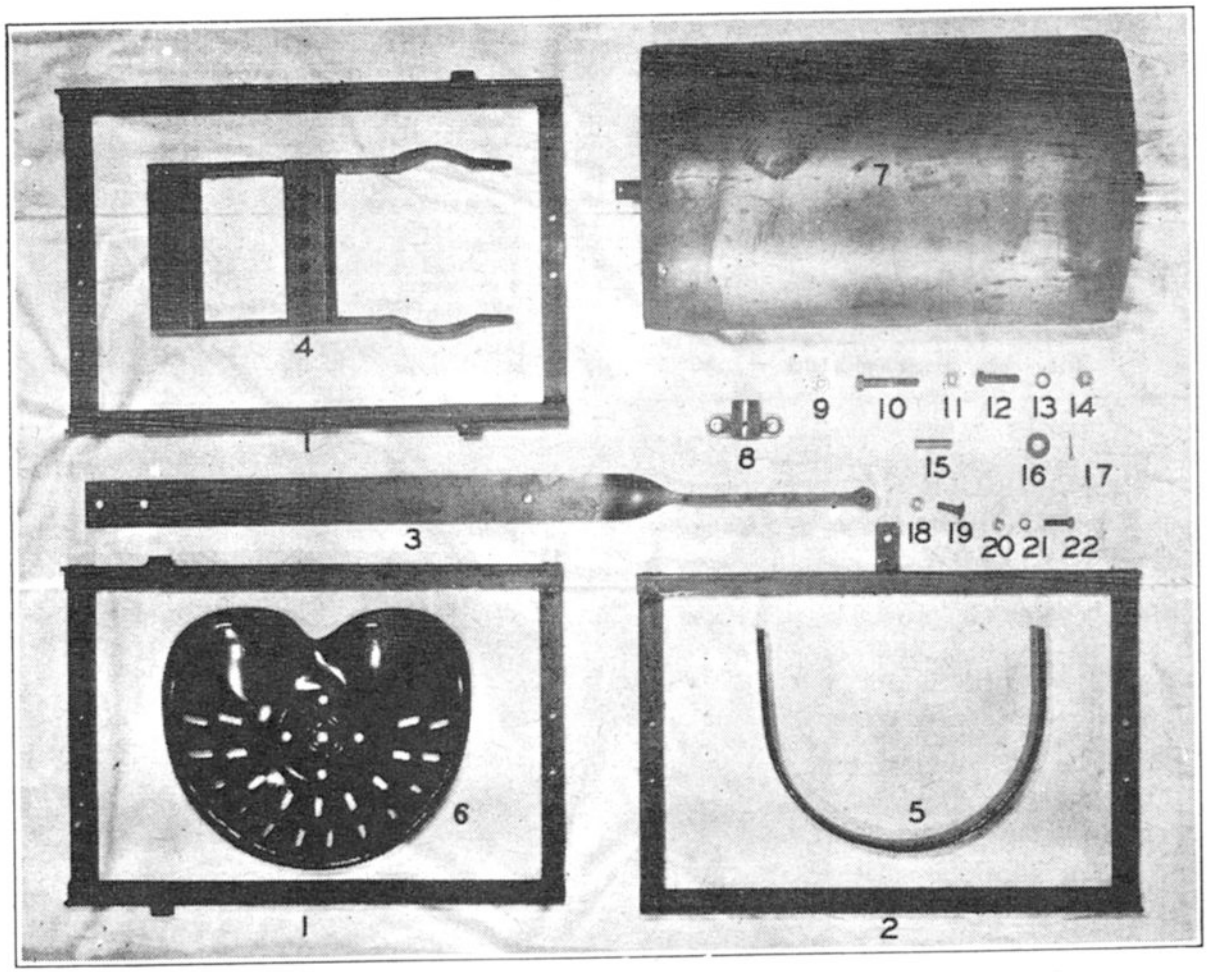
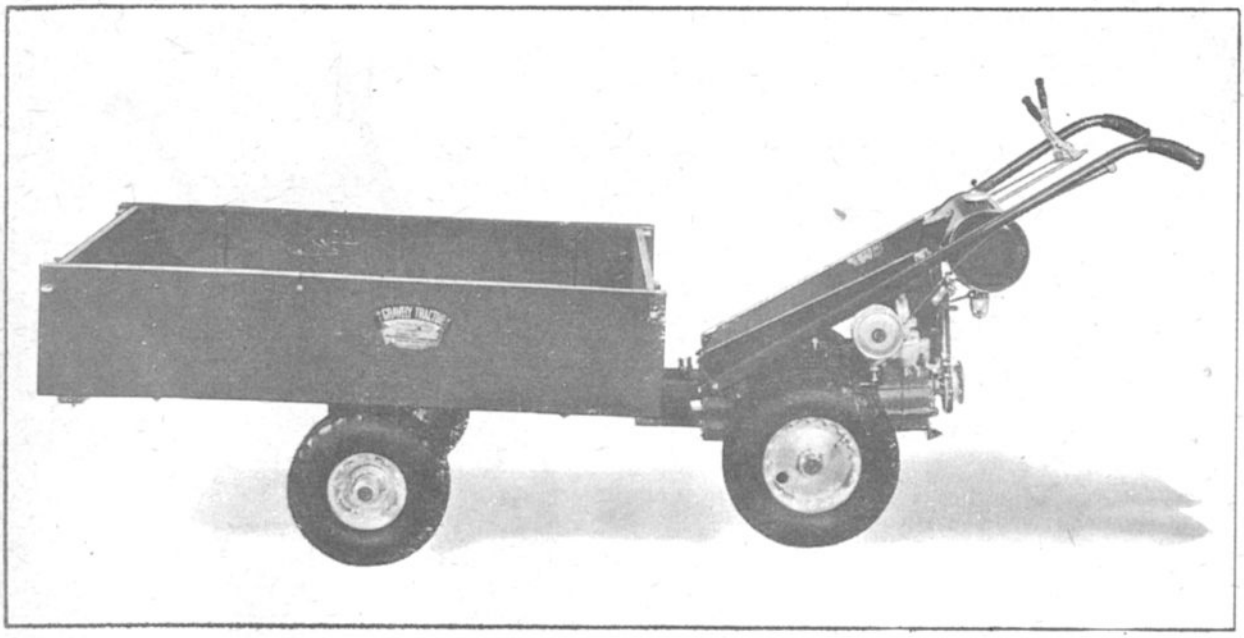
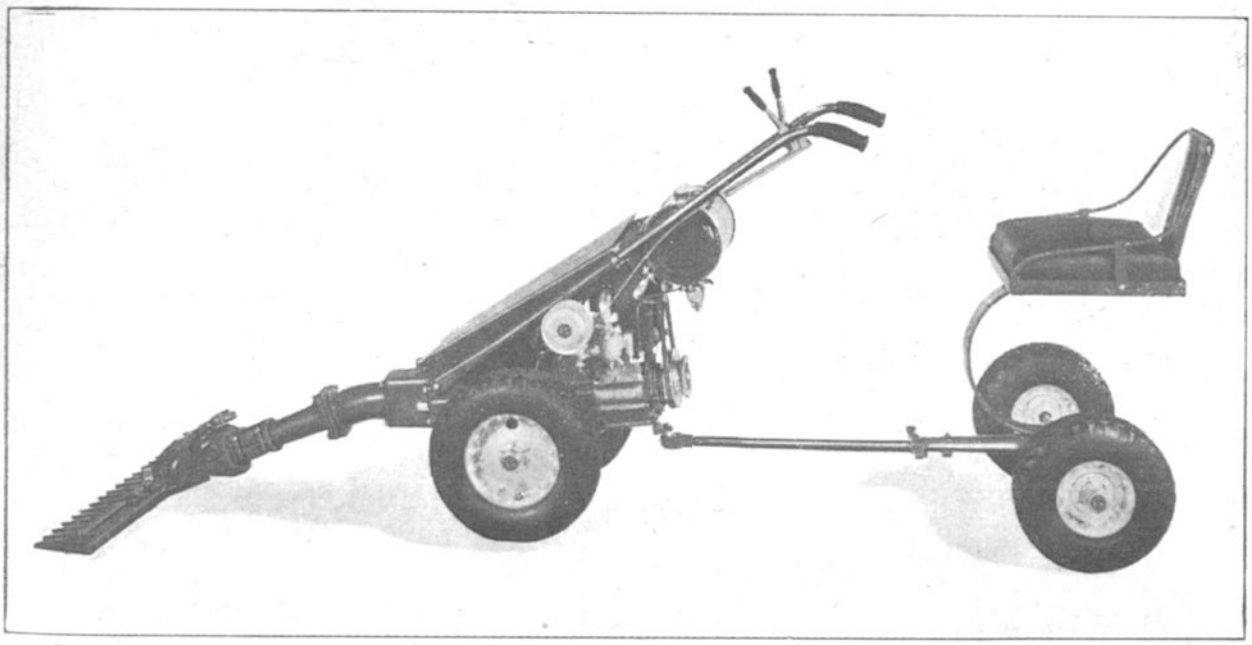


PLATE 13



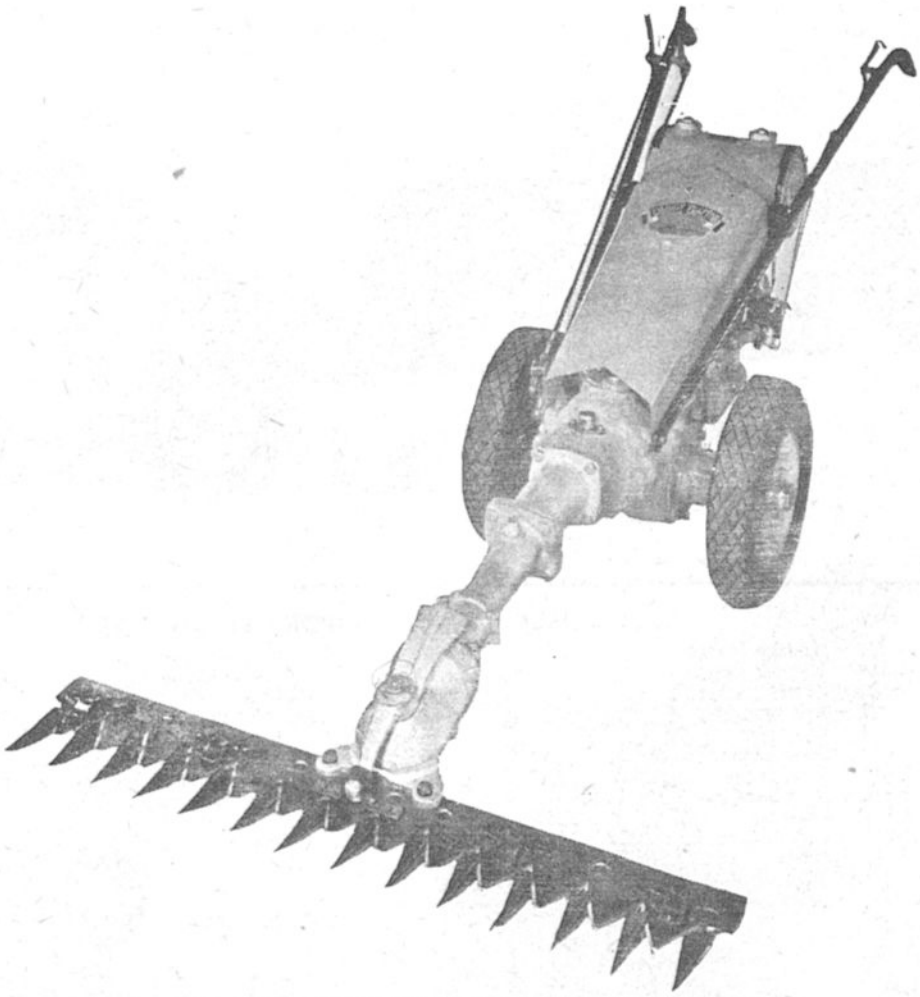
PARTS USED ON TRANSPORTATION CART

A-107	Knuckle bracket	$ 2.40
A-108	Knuckle fork	2.10
A-109	Swivel bracket	2.80
A-110	Axle bracket	4.80
A-111	Body rest	1.70
A-112	Body latch	.80
A-315	Knuckle pin	.32
A-316	Body latch pin	.08
A-317	Draw bar	1.20
A-318	Thrust collar	.90
A-310	Axle	2.00
A-319	Draw bar rivets	.06
#1624	Alemite fitting	.18
5/16—18x1"	Knuckle pin set screw	.06
3/8—16x3/4"	Axle set screw	.12
219-N	Axle nut	.06
606-C	Axle nut cotter pin	.01
3/8x3—1/4	Carriage bolt for axle bracket	.09
3/8x2—3/4	Carriage bolt for body rest	.08
A-314	Body complete	9.00
A-321	Wheels—complete	10.00
	Transportation Cart complete	$45.00



PARTS FOR 40 MODEL RIDING SULKY

Part No.	Name of Part	No. Req.	Price Each
A-104	Frame	1	$ 2.20
A-106	Clevis	1	.65
A-303	Seat spring	1	2.55
A-304	Bracket	1	.20
A-305	Pivot bushing	1	1.00
A-306	Pivot bolt	1	.82
A-307	Swivel stud	1	.40
A-308	Pivot stud	2	.30
A-309	Draw bar	1	.65
A-310	Axle	1	2.00
A-311	Axle U bolt	2	.16
149-S	Draw bar bolt	1	06
152-S	Seat spring bolt	4	.04
211-N	Spring bolt nut	4	.03
214-N	U bolt nut	4	.03
201-N	Draw bar bolt nut	1	.02
210-N	Pivot bolt nut	1	.02
220-N	Pivot stud nut	2	.01
308-W	3/8" lock washer	1	.01
305-W	5/16" lock washer	2	.01
304-W	5/16" lock washer	4	.01
303-W	1/4" lock washer	1	.01
A.320	Wheels	2	10.00
219-N	Axle nut	2	.06
606-C	Axle nut cotter	2	.01
5850	Seat	1	9.75
L-617-A	Hub caps	2	.20
1641	Alemite fitting	2	.15
	Steel seat	1	1.35
	Riding sulky complete		$ 30.00



GRAVELY SICKLE TYPE MOWER

The GRAVELY Sickle Mower comes to you just as nearly assembled as practical for shipping purposes. Let us briefly list the necessary steps to complete the job. This sickle Mower attaches to the front of the Tractor like the other power attachments.

The Mower comes to you in two main parts. The large, completely assembled, aluminum-colored castings are called the Drive Mechanism. The other part is the Cutter Bar complete. Bolt the Drive Mechanism into the holes on the assembled Cutter Bar. Use the two ½" Bolts as furnished. They screw directly into the Bar. Get them good and tight. Always watch these particular Bolts when using the Sickle Mower. If you lose any Washers, be sure and replace them for it is highly important this particular part is kept tight.

LUBRICATION: DON'T FORGET TO OIL THE MOWER BEFORE USING!! NOTICE THE TWO OIL PLUGS FOUND ON TOP OF THE GEAR HOUSING OF THE DRIVE MECHANISM. REMOVE THE LOWER PLUG, THE ONE TOWARD THE SICKLE BAR, AND FILL WITH ABOUT ONE-HALF PINT OF MOBILOIL C (S. A. E. 140 GEAR OIL) OR ITS EQUIVALENT. ALWAYS KEEP WELL LUBRICATED. NEVER USE HEAVY GREASE. IF GEAR OIL IS NOT OBTAINABLE USE MOTOR OIL.

REMOVE THE UPPER PLUG, THE ONE NEXT TO THE TRACTOR, AND CHECK THIS ALSO. IT SHOULD BE ABOUT HALF FULL OF MOBILOIL NO. TWO CUP GREASE OR ITS EQUIVALENT.

Upon request Skids are sent with each Mower. For most of your work you will not find it necessary to use these. With them you can further regulate the cut. If four are used put directly under the first and fifth guards from either end. The Guard Bolts are removed and the Skid Bolts put in the vacant holes, using the same Guard Nuts. Two small Adjusting Spacers are furnished with each Skid. One or both of these can be used, and which further regulates the depth or height of the cut.

A patented and highly important feature found on the GRAVELY Mower is the SWIVEL ACTION OF THE CUTTER BAR. On the upper part of the two Crank Housing castings you will find four nuts and bolts. The first two on either side, and closer to the tractor proper, effect the swivel. With these nuts tight, the bar is held rigid. But, loosen them and you will have the SWIVEL ACTION. For mowing level ground the bar swivel can be tight. But for hillsides it should be loosened to allow the bar to follow the slope of the ground while the tractor remains upright. DON'T HAVE THE SWIVEL LOOSE ENOUGH TO TURN WITHOUT SOME PRESSURE. It should be just tight enough to hold its position until lowered, when its own weight should cause it to tilt according to the slope of the ground.

Best results are secured by operating at an easy walking speed. DON'T RACE YOUR MOTOR. If you get into grass that you cannot cut without racing the motor, SHARPEN THE KNIVES. Racing is hard on the machine and makes you more likely to break something in case you hang in wire or anything that the knives won't cut. At a moderate speed you can cut from three to four acres per day, and if your motor does stall you will not do any damage beyond a nick in the knife.

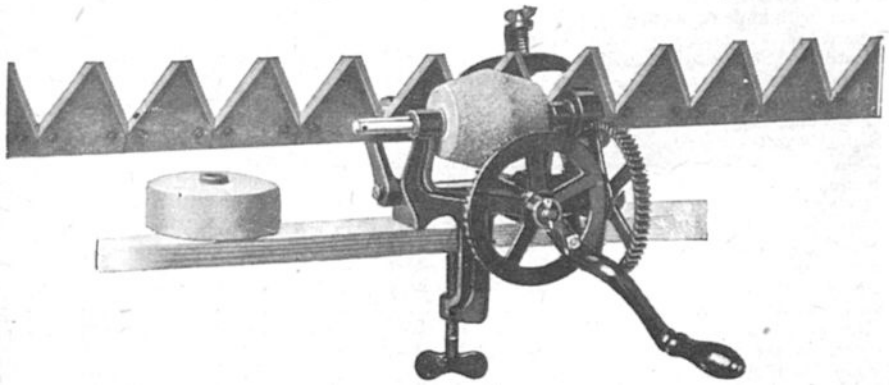
SUGGESTIONS FOR SECURING THE BEST MOWING RESULTS

A SHARP SICKLE. Any kind of a dull, gapped sickle-bar will cut coarse weeds and bushes, but when you get into fine grass you will have trouble if your knives are dull. Keep them sharp. To remove the cutting knife complete to sharpen for instance, remove the Knife Bracket Screws and slip the blade out on either side. ALWAYS KEEP THESE SCREWS REAL TIGHT. If they are even a little loose there is danger of stripping the threads. Sharpen the knives often. They will hold an edge longer, will not nick so easily and will cut equally as well if ground at an angle of 45 degrees, or about the same as scissors are ground. (A small Hand Sickle Grinder with a proper curved wheel, will pay for itself time and again in better mowing results.)

See that the knife bar is straight and the points of the knives are in line so that the Sickle-bar will lay flat on the guards.

Keep the guards in alignment. If one guard gets knocked up and the other down it will not cut fine grass. Use a light hammer and knock the guards up or down until the knives on the sickle-bar lay flat in contact with the shearing edges of the guards. Make sure that all the guard bolts are drawn tight. Adjust the clips that hold the sickle-bar closely, but do not allow them to bind. The knife should slide back and forth easily with the pressure of finger and thumb. It is not necessary to lubricate the knife as the grass will furnish lubrication, but a few drops of machine oil on the sections will help to prevent rust and sometimes make for easier running.

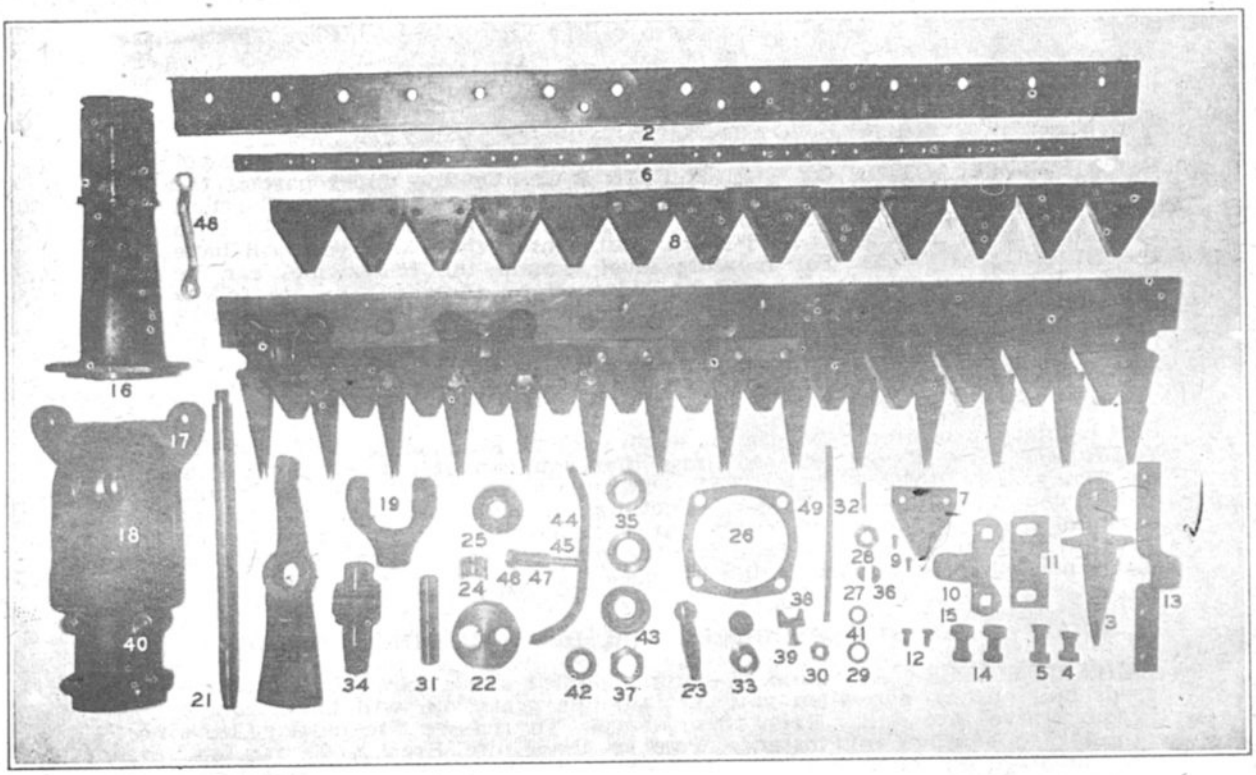
If these few directions are followed your Mower will last almost indefinitely. Keep out of wire, iron, rocks, tin cans, and so on. If the GRAVELY Mower is kept properly adjusted and sharpened it does its work so easily that mowing becomes a pleasure instead of one of the dreaded jobs. It will mow anything from wire grass to locust sprouts, and will do it cleaner, better and easier than any mowing machine built.



CUT OF SICKLE GRINDER

A hand Sickle Grinder like the one illustrated is a great help in keeping the knives sharp. This means better cutting and less cost for replacing.

PLATE 14



NOTE: Cutter bars come in 3 sizes, 2″, 2½″ & 3″. The same Photo No. is used to illustrate. Use Part No. to order by.

Photo No.	Parts No.	Description	No. Req.	Price Each
		3′ REGULAR CUTTER BAR—42″ Long		
1	3300	3″ bar with knife & bracket		$15.00
2	3301	Guard bar		1.83
3	3302	Guard		.48
4	3303	Guard bolt, short		.06
5	3304	Guard bolt thru clip, long		.06
6	3305	Knife, back		1.35
7	3206	Knife section, .09 ea.(box 25)		1.25
8	3306	Knife, complete		3.50
9	3307	Knife rivets, .01 ea.	lb.	.25
10	3309	Knife clips		.15
11	3310	Wearing plates		.15
12	4014	Knife drive bracket screws		.05
	201-N	Bracket lock nuts		.02
13	3183	Knife drive bracket		.39
14	152-S	Guard bar sec. bolt		.04
15	211-N	Guard bar sec. bolt nut		.03
	311-W	Knife dr. br. washers		.01
44	3211	Skids		.16
45	3212	Skid bolts		.06
46	209-N	Skid nuts		.02
47	3213	Skid spacers		.06
4&5	3312	Guard bolt nut		.02
		2″ CLOSE CUTTER BAR—40″ Long		
1	3500	2″ Bar with knife & bracket		$15.00
2	3501	Guard bar		1.83
3	3502	Guard (old Style single)		.48
	3502	Guard, double		.96
4	161-S	Guard bolt, short		.06
5	3508	Guard bolt, long		.06
6	3505	Knife, back		1.35
7	3506	Knife sections .09 ea.—(box 25)		1.25
8	3507	Knife, complete		3.50
9	3511	Knife rivets, .01 ea.	lb.	.25
10	3503	Clip		.15
11	3504	Wearing plate		.15
12	4014	Drive bracket screws		.05
	201-N	Bracket lock nut		.02
13	3510	Knife drive bracket		.39
14	152-S	Guard bar sec. bolt		.04
15	211-N	Guard bar sec. bolt nut		.03
	311-W	Knife dr. br. washer		.01
44	3512	Skids		.16
45	3513	Skid bolts		.06
46	205-N	Skid nuts		.02
47	3213	Skid spacers		.06
4&5	3509	Guard bolt nut		.06
		2½″ CUTTER BAR—40″ Long		
1	3600	Cutter bar		$15.00
2	3601	Guard bar		1.83

* See Note 3, Page 42

Photo No.	Parts No.	Description	No. Req.	Price Each
3	3602	Guards		.48
4	3608	Guard bolt, short		.06
5	3611	Guard bolt, long		.06
6	3605	Knife, back		1.35
7	3606	Knife section, .09 ea.(box 25)		1.25
8	3607	Knife, complete		3.50
9	3307	Knife rivets .01 ea.	lb.	.25
10	3603	Clip		.15
11	3604	Wearing plates		.15
12	4014	Drive bracket screw		.05
	201-N	Bracket lock nuts		.02
13	3610	Knife drive bracket		.39
14	152-S	Guard bar sec. bolt		.04
15	211-N	Guard bar sec. bolt nut		.03
	311-W	Knife dr. br. washer		.01
	3208	Center section rivet		.01
44	3211	Skids		.16
45	3212	Skid bolts		.06
46	209-N	Skid nuts		.02
47	3213	Skid spacers		.06
4&5	3609	Guard bolt nut		.06
16	3107	Column		5.58
17	3114	Lower crank housing		5.00
18	3115	Upper crank housing		3.74
	3191	Crank Housing Gasket		.10
19	3116	Crank yoke		2.42
*20	3117	Knife act. lever		2.55
	*3117-S	*Knife act. lever		2.25
21	3142	Crank shaft		1.58
22	3143	Crank disc		1.38
23	3144	Crank yoke ball stud		2.02
24	3145	Ball stud bearing		.96
25	3147	Crank shaft bearing		1.45
26	3167	Column gasket		.06
27	504-K	Crank disc. key		.02
28	1304	Crank disc. nut		.10
29	307-W	Lock washer		.01
30	208-N	Ball stud nut		.02
31	3176	Crank yoke knuckle pin		1.20
32	3177	Knuckle pin lock rivet		.01
33	3178	Knuckle pin bearing		.45
*34	3179	Actuating lever shaft		3.00
	*3179-S	*Actuating lever shaft		3.00
35	3180	Lever shaft bearing		.45
36	505-K	Actuating lever key		.01
37	3181	Actuating lever nut		.05
38	3182	Actuating lever wearing tip		.80
39	3154	Wearing tip bolt		.07
40	3185	Crank housing bolt		.06
41	305-W	Lock washer		.01
42	L-126	Oil seal		.45
43	3151	Oil seal retainer		.06
48	2810	Box wrench		.95
49	3173	Swivel cork seal		.03

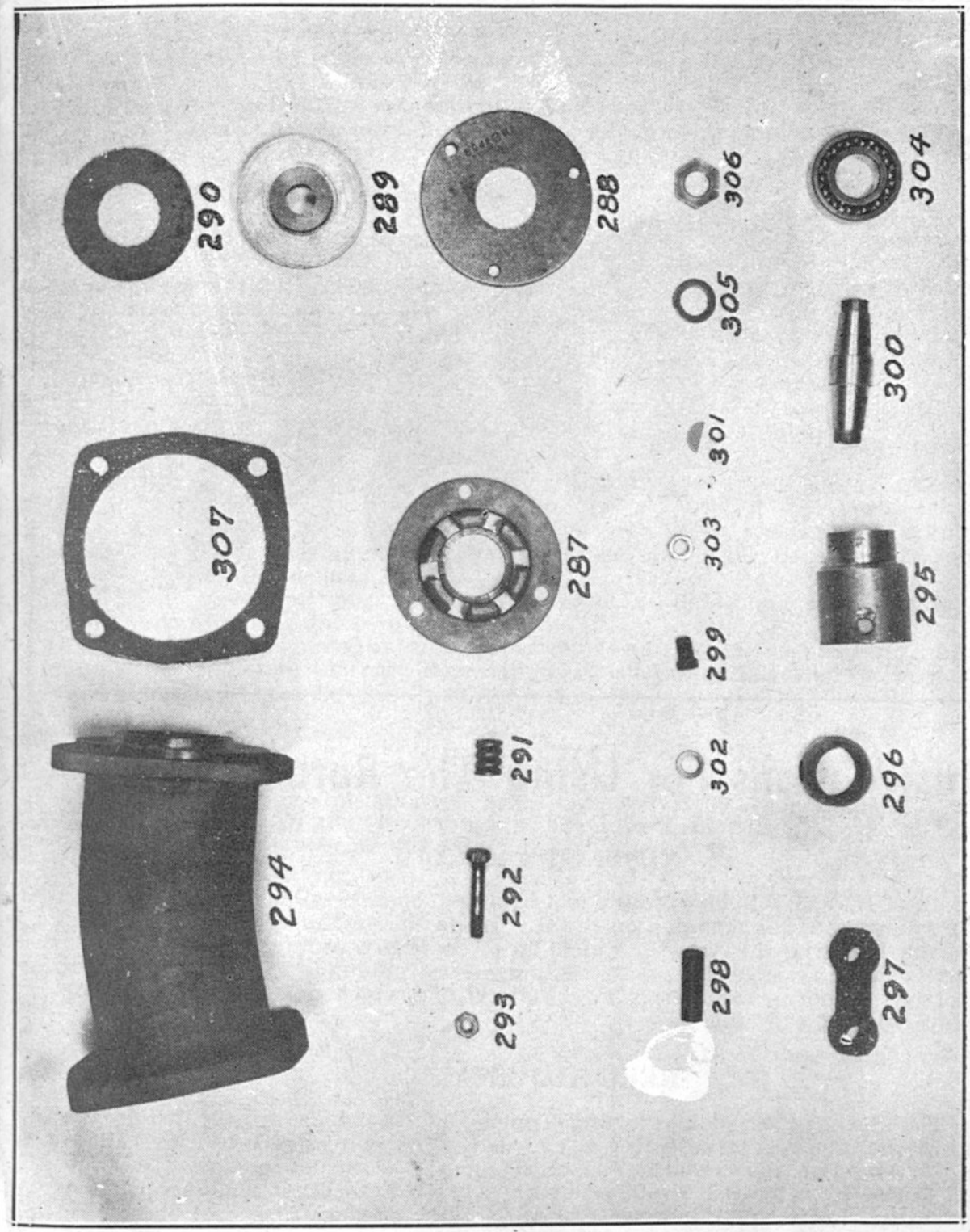
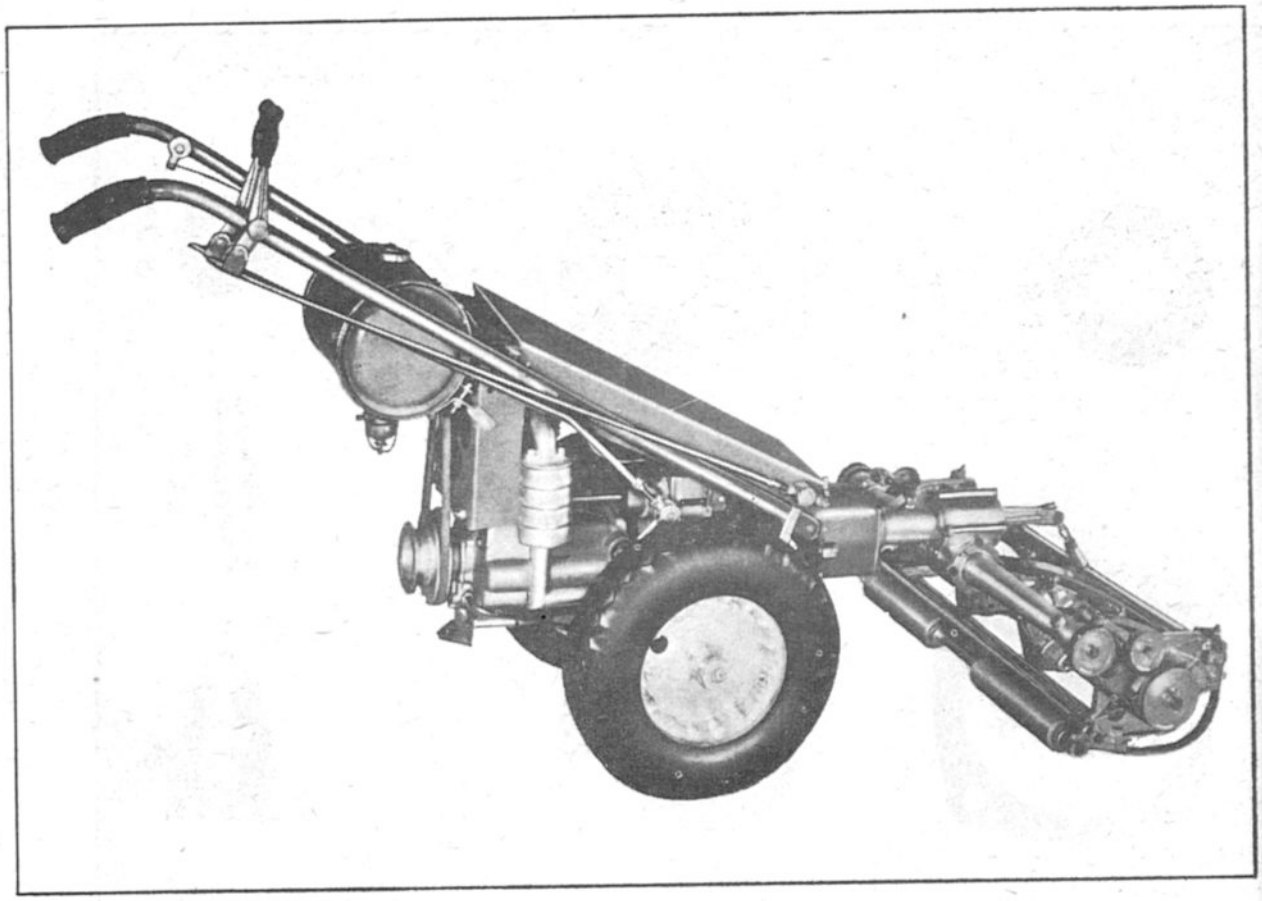


Photo No.	Part No.	Name	Price
287	SC-30	Dog plate	$ 3.90
288	SC-32	Back plate	.50
289	SC-33	Drive plate	.95
290	SC-34	Friction washer	.16
291	SC-35	Spring	.06
	SC-36	Drive stud	.08
292	SC-37	Spring bolt	.05
293	215-N	Spring bolt nut	.02
	304-W	Spring bolt nut washer	.01
		Safety clutch, complete	6.30
294	3197	Universal housing	4.00
295	3197-A	Universal cup	2.40
296	3197-B	Center ring	1.00

Photo No.	Part No.	Name	Price
297	3197-C	Link	1.02
298	3197-D	Pivot pin	.38
299	3197-E	Pivot stud	.30
300	3197-F	Stud shaft	.84
301	504-K	Stud shaft key	.02
302	305-W	Pivot stud lock washer	.01
303	220-N	Pivot stud nut	.01
304	3197-G	Stud shaft bearing	2.56
305	309-W	Stud shaft lock washer	.02
306	1304	Stud shaft nut	.10
307	5056	Universal housing gasket	.08
		Universal assembly, complete	20.00



Instructions For Using The Rotary Mower

(Both Gang and 30″)

The GRAVELY Rotary Mower is designed to operate without wheels, having only rollers or shoes, mounted on the Bed Knife Bar to gauge the Height of the Cut and to carry the weight, which latter is partly counterbalanced by the Tractor. This arrangement, with scalping shoes or runners located at either end, gives a more even cutting machine and one which will go in and out of gulleys without skinning.

REEL ADJUSTMENT

The Reel is carried in Floating Type Bearings, which are pivoted to the End Frames and rest on adjusting screws with a spring over each bearing. These help to maintain the contact. The object of this construction is to allow the Reel to rise from the Bed Knife when striking stones or other undulations, thus preventing sheared or otherwise damaged cutting edges. The Reel should be lifted occasionally by hand to see that the bearings are working freely on their pivots. If not given the proper attention, it is possible that the Reel will fly up and stick should a heavy object be struck. This would cause the Mower to stop cutting.

If your Mower is not cutting smoothly, see that the Reel is set down close enough to the Bed Knife and that it is touching lightly along its entire length. Use a piece of paper to make this test. Back up the adjusting screws carefully at each end so as to get the proper cutting contact. If the adjusting screws are backed up too far, the full weight of the Reel will rest on the Bed Knife, causing undue wear.

ONE SINGLE ADJUSTMENT FOR HEIGHT

The Adjustment for the Height of the Cut is made through a Cap Screw located on the M-124 Casting. You will notice this Cap Screw runs up through the strut on the end of the M-124 Casting. To raise or lower the height of the cut, first loosen the jam nut on the bottom end of the Cap Screw. Then, turn the Cap Screw to the right to raise the cut, to the left to lower the cut.

LUBRICATION

The Column Swivel is equipped with a grease cup which can be given an occasional quarter turn and should be refilled when empty. After one season the Gears should be checked. Remove the Casting M-124 which is on the front of the Mower and empty the old lubricant. Then replace with four ounces of Mobiloil C (SAE 140 Gear Oil) or its equivalent. Too much oil will result in overheating. All Reel Bearings are of the Grease Seal Type and require no lubrication. Other parts such as Pivot Pins and Friction Surfaces which need lubrication are spotted with red paint and should be oiled occasionally with a squirt can.

KEEP YOUR REEL SHARP

Your Reel Mower can do good work for you only when it is sharp. It is difficult to give you any definite time as to when your Reel should be sharpened. On all mowers this should be done no less than once a season. However, it may be necessary to have your Reel sharpened more often, depending upon the conditions where the machine is used.
This work should be done by an experienced lawn mower mechanic properly equipped to do the job. A sharp Reel lightly adjusted to a sharp Bed Knife is of the utmost importance for good mowing.

WING UNITS

The wing units can be attached or disconnected in 30 seconds when using the Gang Mower. All that is required is the insertion of, or removal of the leader pin and a quick manipulation of the knurled collar on the Wing Drive Chuck.

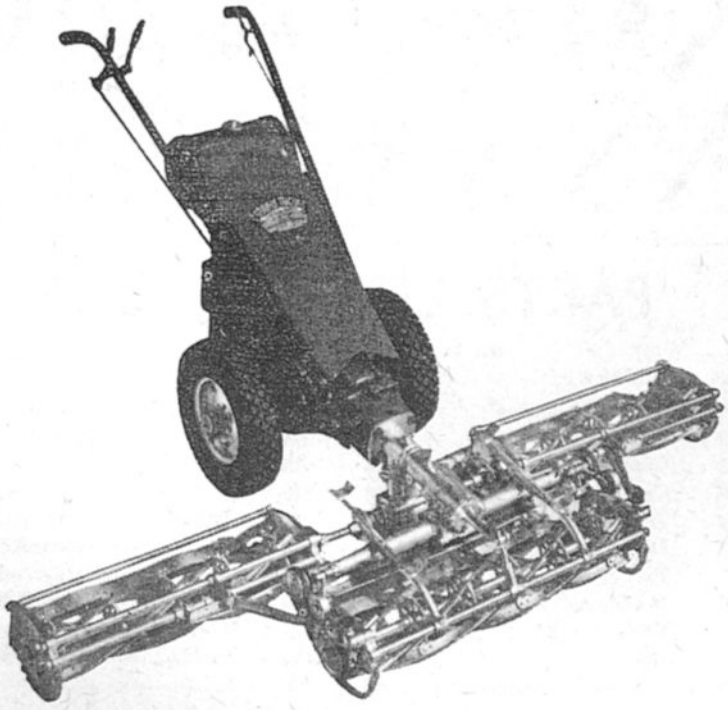
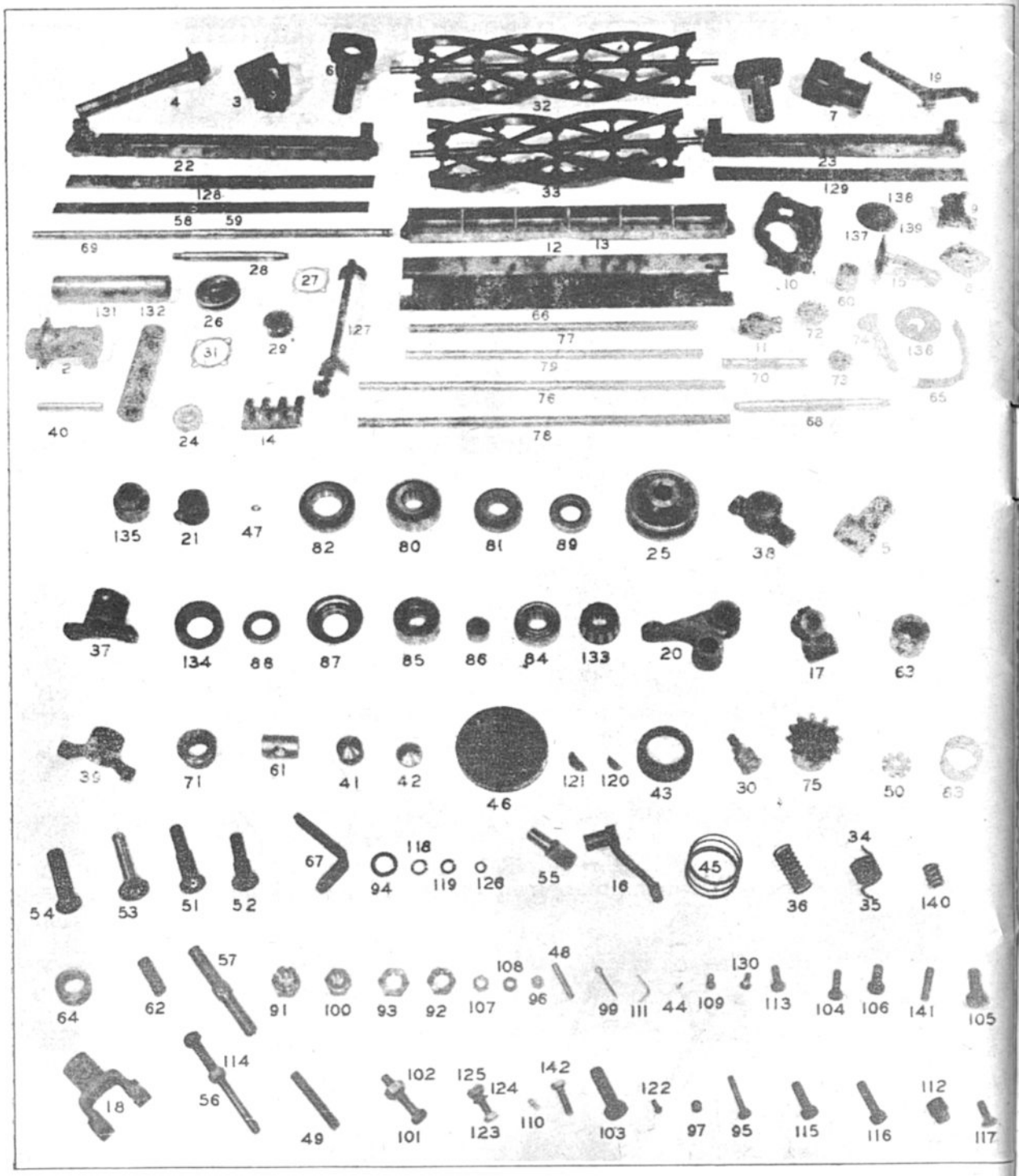


PLATE 16



PARTS LIST PLATE 16

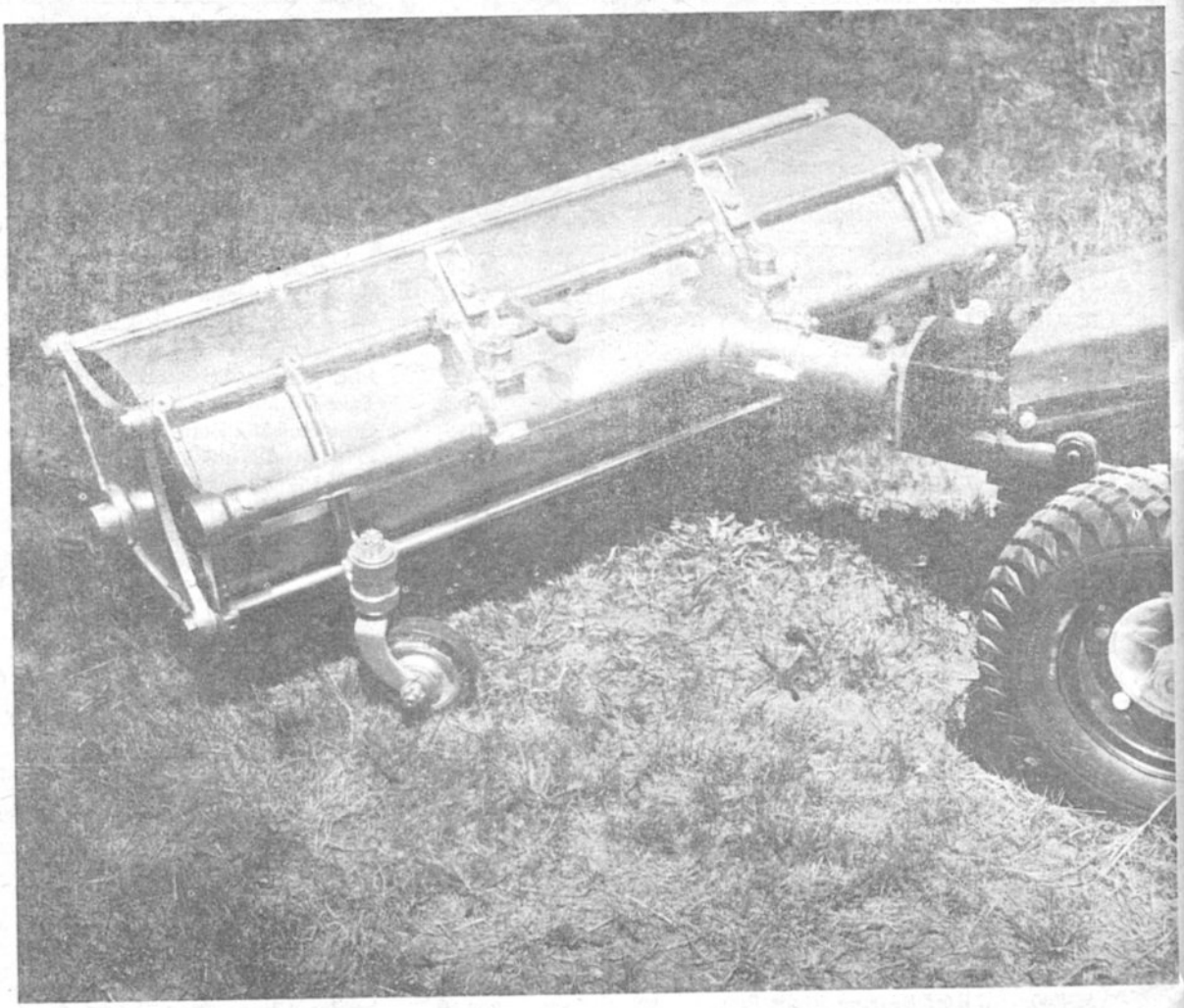
Photo No.	Part No.	Name	Price
1	M-101	Drive shaft housing	$ 3.00
2	M-102	Swivel casting	2.50
3	M-103	Gear housing	7.00
4	M-104	Cross tube	2.80
5	M-112	Tee nut	.50
6	M-115	Drive shaft housing	4.40
7	M-116	Take off housing	3.20
8	M-117	Bearing cap	1.00
9	M-118	Cross tube end	1.20
10	M-119	End casting	2.20
11	M-120	Reel bearing housing	.92
12	M-121	30" Bed Knife shoe bar	5.12
14	M-123	Bed knife shoe	.60
15	M-124	Strut	1.20
16	M-125	Idler arm	.60
17	M-126	Leader pivot	.64
18	M-127	Leader swivel	.80
19	M-128	Leader	1.68
20	M-129	Leader adjusting bracket	1.20
21	M-133	Thrust collar	.20
22	M-134	30" bed knife bar	8.68

PARTS LIST PLATE 16 (Cont.)

Photo No.	Part No.	Name	Price
23	M-135	25" Bed Knife Bar	$ 5.40
24	M-136	Idler Pulley	1.36
25	M-137	3" V Pulley (state whether wide or narrow belt)	.60
26	M-138	4" V Pulley (state whether wide or narrow belt)	.66
28	M-308	Drive Shaft	1.00
29	M-318	Spiral Gear	3.00
30	M-321	Swivel Grease Cup	.12
31	M-326	Gear Housing Gasket	.03
32	M-339	30" Reel	22.50
33	M-340	25" Reel	20.00
34	M-342-R	R. H. Torsion Spring	.10
35	M-342-L	L. H. Torsion Spring	.10
36	2723	Reel Spring	.06
*37	M-343-A	Take Off Spider	2.20
38	M-343-B	Wing Spider	2.40
39	M-343-C	Center Spider	1.68
40	M-343-D	Spacer Shaft	2.28
41	M-343-E	Long Core Plug	.12
42	M-343-F	Short Core Plug	.06
43	M-343-G	Locking Ring	.80
44	M-343-H	Locking Ring Stop	.03
45	M-343-I	Locking Spring	.07
46	M-343-J	Universal Rubber Disc	.40
47	M-343-K	Locking Ball	.03
48	M-343-L	Spacer Shaft Rivets	.08
49	M-344	Idler Pivot	.12
50	M-345	Idler Spring Winder	.24
51	M-346	Long Pivot Stud	.48
52	M-347	Short Pivot Stud	.48
53	M-348	Leader Swivel Stud	.48
54	M-349	Leader Pin	.72
55	M-350	Reel Stop	.28
56	M-351	Reel Adjusting Screw	.16
58	M-353	30" Bed Knife Steel	3.28
60	M-355	Bearing Spacer	1.12
61	M-356	Mower Adjusting Nut	.25
62	M-360	Reel Bearing Pivot Pin	.08
63	M-361	Reel Thrust Collar	.52
64	M-362	Pulley Spacer	.12
65	M-363	Scalping Shoe	.32
66	M-364	Reel Guard	.72
67	M-365	Reel Guard Bracket	.20
68	M-366	Drive Shaft	1.40
69	M-367	Cross Shaft	2.20
70	M-368	Take Off Shaft	1.72
71	M-369	Bearing Seat Bushing	.56
72	M-370	Bevel Gear	4.40
73	M-371	Bevel Pinion	3.00
74	M-372	Miter Gear	4.62
75	M-373	Miter Gear	3.09
76	M-374	30" Tie Rod	.96
77	M-375	25" Tie Rod	.80
78	M-376	30" Roller Rod	.88
79	M-377	25" Roller Rod	.64
80	3147	Drive Bearing	1.45
81	6013	Pinion Shaft Bearing	1.13
82	M-378	Take-Off Shaft Bearing	1.70
83	L-531	Stabilizer Bearing Bushing	.36
84	M-323	Cross Shaft Outer Bearing	2.05
85	M-379	Reel Bearing	1.92
86	M-380	Idler Bearing	1.25
87	3151	Oil Seal Retainer	.06
88	L-126	Oil Seal	.45
89	M-381	Oil Seal	.75
3154		Spider Bolt	.08
91	219-N	Spiral Gear Nut	06
92	219-N	Bevel Gear Nut	.06
93	1304	Drive Shaft Nut	.10
94	309-W	Lock Washer	.02
95	M-383	Leader Clamp Bolt	.08
96	202-N	Leader Clamp Bolt Nut	.02
97	801-A	3/8" Allen Set Screw	.07
98	M-384	Take-Off Housing Gasket	.04
99	606-C	Cotter Pin	.01
100	211-N	Center Adj. Lock Nut	.03
10'	124-S	Wing Adjusting Screw	.03
102	205-N	Wing Adj. Lock Nut	04
103	173-S	Tie Rod Cap Screw	.04
104	174-S	Idler Bearing Screw	.02
105	160-S	Take-Off Housing Bolt	03
106	121-S	Gear Housing Bolt	.06
107	201-N	Pivot Stud Nut	.02
108	220-N	Idler Pivot Lock Nut	.01
109	169-S	Reel Stop Securing Screw	.03
110	1641	Alemite Grease Fitting	15
111	M-385	Spring Winder Lock Pin	.02
112	705-P	Oil Plug	.03
113	126-S	Scalping Shoe Bolt	.02
114	206-N	Reel Adjusting Screw Nut	.04
115	111-S	Bed Knife Bar Bolt(Short)	05
116	112-S	Bed Knife Bar Bolt (Long)	05
117	141-S	Bed Knife Shoe Bolt	.03
118	305-W	Bed Knife Bar Lock Washer	.01
119	304-W	Scalping Shoe Lock Washer	01
120	504-K	No. 9 Woodruff Key	.02
121	506-K	No. 13 Woodruff Key	.02
122		Guard Rivet	.01
123	111-S	Guard Bolt	.05
124	305-W	Guard Bolt Lock Washer	.01
125	205-N	Guard Bolt Nut	.04
126	303-W	Leader Clamp Bolt Lock Washer	.01
127	M-140	Wing Rack	1.20
128	M-319-L	30" Bed Knife Steel	1.00
129	M-319-S	25" Bed Knife Steel	1.00
130	175-S	Bed Knife Securing Screw	01
131	M-387	Steel Roller 10" Long	1 97
132	M-388	Steel Roller 8¾" Long	1.88
133	M-389	Steel Roller Bearing	52
134	M-390	Felt Closure	15
135	M-386	Roller Adj. Collar	.30
		Safety Clutch Complete	6 30
136	SC-30	Dog Plate	3.90
137	SC-32	Back Plate	.50
138	SC-33	Drive Plate	.95
139	SC-34	Friction Washer	.16
140	SC-35	Spring	.06
141	SC-36	Drive Stud	.08
142	SC-37	Spring Bolt	.05
107	204-N	Spring Bolt Nut	.02
119		Spring Bolt Nut Washer	01
		M-382A Vee Pulley Belt (narrow)	.60
		M-382B Vee Pulley Belt (wide)	.60

* See Note 7, Page 42

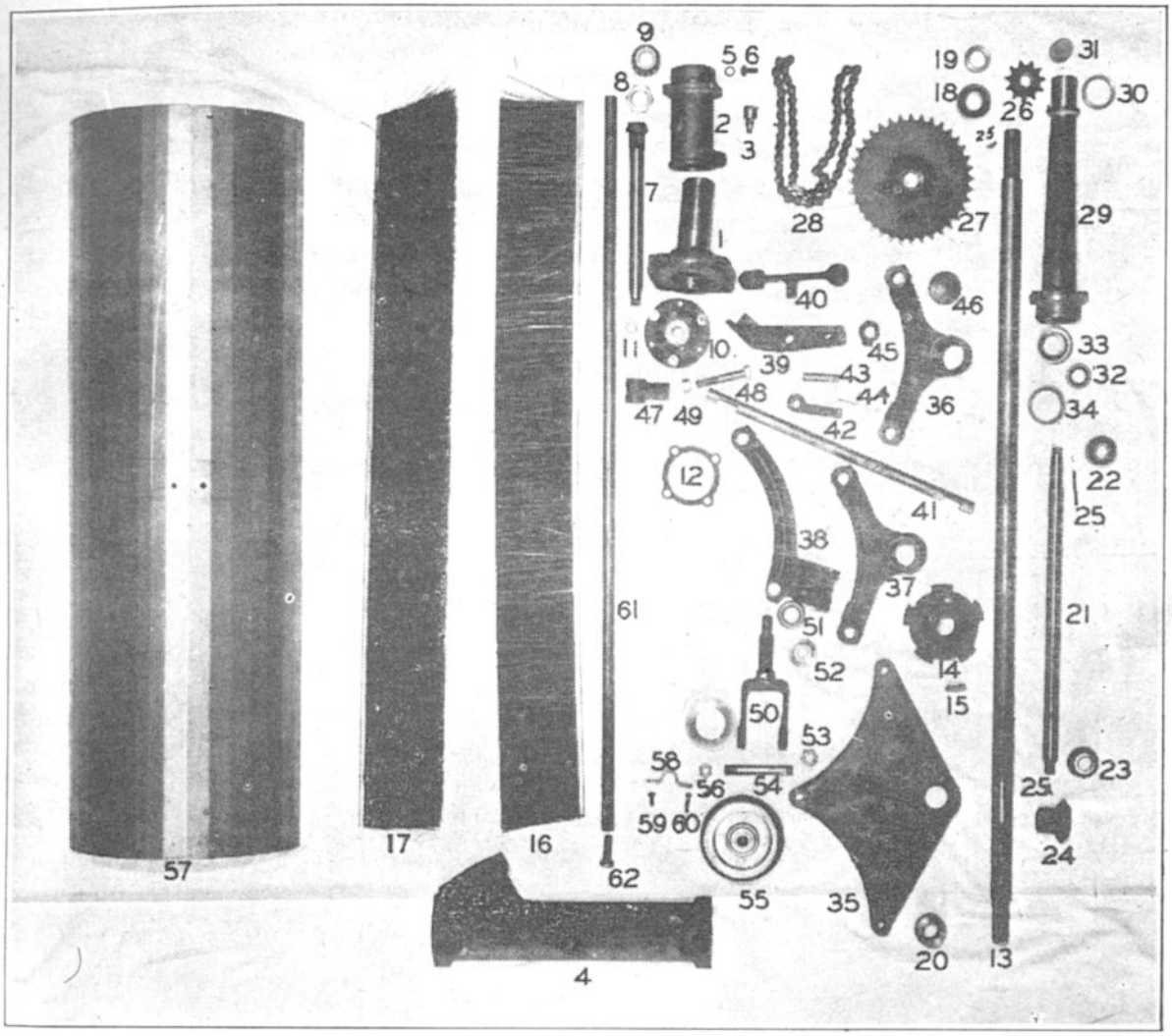
GRAVELY POWER BRUSH



PB 42/ POWER BRUSH

Photo No.	Part No.	Name	No. Req.	Price Each
1	M-101	Drive shaft housing	1	3.00
2	M-102	Swivel casting	1	2.50
3	M-321	Grease cup	1	.12
4	A-115	Gear housing	1	11.00
5	305-W	Lock washer	12	.01
6	121-S	Gear housing bolt	12	.04
7	A-330	Bevel pinion	1	6.94
8	3181	Bevel pinion adjusting nut	2	.20
9	3147	Timken bearing	3	1.45
10		Safety clutch assemb. complete	1	6.30
11	1304	Drive shaft nut	1	.10
12	M-326	Gear housing gasket	3	.03
13	S-303	Brush shaft	1	3.24
14	S-101	Brush spider	8	1.80
15	S-102	Wedge	40	.10
16	S-319	Bristle strip (coarse)	10	4.50
17	S-319	Bristle strip (fine)	10	3.80
18	A-338	Brush shaft bearing	2	2.16
19	S-305	Spacing collar	1	.56
20	S-306	Thrust collar	1	.59
21	S-302	Cross shaft	1	2.35
22	M-379	Cross shaft outer bearing	1	1.92
23	3147	Cross shaft bearing	1	1.45
24	A-331	Bevel gear	1	3.20
25	504-K	Woodfuff key	3	.02
26	M-303	11 tooth sprocket	1	1.75
27	S-308	36 tooth sprocket	1	3.40
28	S-309	Drive chain	1	4.23
29	M-104	Cross tube	2	2.80
30		Bracket spacer	1	.20
31	M-332	Cross tube plug	1	.03
32	L-126	Oil seal	3	.39
33	3151	Oil seal retainer	3	.05
34	3147	Bearing cup (furnished with cross shaft bearing)	1	.50 1.45
35	A-116	End casting	2	4.31
36	S-103	Cross tube bracket (left)	1	4.27
37	S-103	Cross tube bracket (right)	1	4.27
38	S-104	Swivel bracket	2	2.60
39	S-106	Lift bracket	2	2.57
40	S-108	Lift lever	1	.96
41	S-304	Lift rod	1	1.27
42	S-107	Lift block	2	.56
43	S-314	Pivot pin	2	.32
44	606-C	Cotter pin	2	.02
45	M-133	Thrust collar	1	.20
46	S-320	Cross tube bracket plug	1	.03
47	M-112	Turn buckle tee	2	.50
48	172-S	Brush adjusting bolt	2	.07
49	211-N	Adjusting bolt nut	2	.03

PLATE 17



PB 42″ POWER BRUSH

Photo No.	Part No.	Name	No. Req.	Price Each
50	S-105	Swivel fork	2	2.29
51	A-340	Caster swivel bearing	4	.80
52	S-315	Dust washer	2	.62
53	219-N	Caster nut	3	.04
54	S-318	Caster axle	2	.68
55	S-109	Caster wheel	2	6.30
56	218-N	Sprocket nut	2	.04
57	S-307	Brush guard	1	.96
58	S-316	Brush clip	3	.18
59	164-S	Clip bolt	4	.02
60	108-S	Filster head screw	2	.05
61	S-301	Tie rod	3	1.29
62	173-S	Tie rod cap screw	6	.04
	503-K	Woodruff key	3	.02
	171-S	Lift bracket bolt	2	.07
		Spider set screw	16	.04
	308-W	Lock washer	8	.01
	305-W	Lock washer	12	.01
	303-W	Lock washer	8	.01
	801-A	Allen set screws	15	.07
	201-N	Nut	6	.02

Note 1: If your Tractor was purchased before 1938, order Shipper Shaft L-731, as shown Plate six, Photo 202. If your Tractor was purchased after 1937, order Shipper Shaft L-545, as shown Plate nine, Photo 411.

Note 3: If your Sickle Mower was furnished before June 5, 1942, and you wish to order a 3179 Actuating Lever Shaft, you must also order a 3117 Knife Actuating Lever. However, in ordering a 3117 Knife Actuating Lever, it is not necessary to also order the 3179 Knife Actuating Lever Shaft. If your Sickle Mower was furnished after June 5, 1942 and you wish to order a Knife Actuating Lever Shaft or a Knife Actuating Lever, you should order 3117-S Knife Actuating Lever, or 3179-S Knife Actuating Lever Shaft.

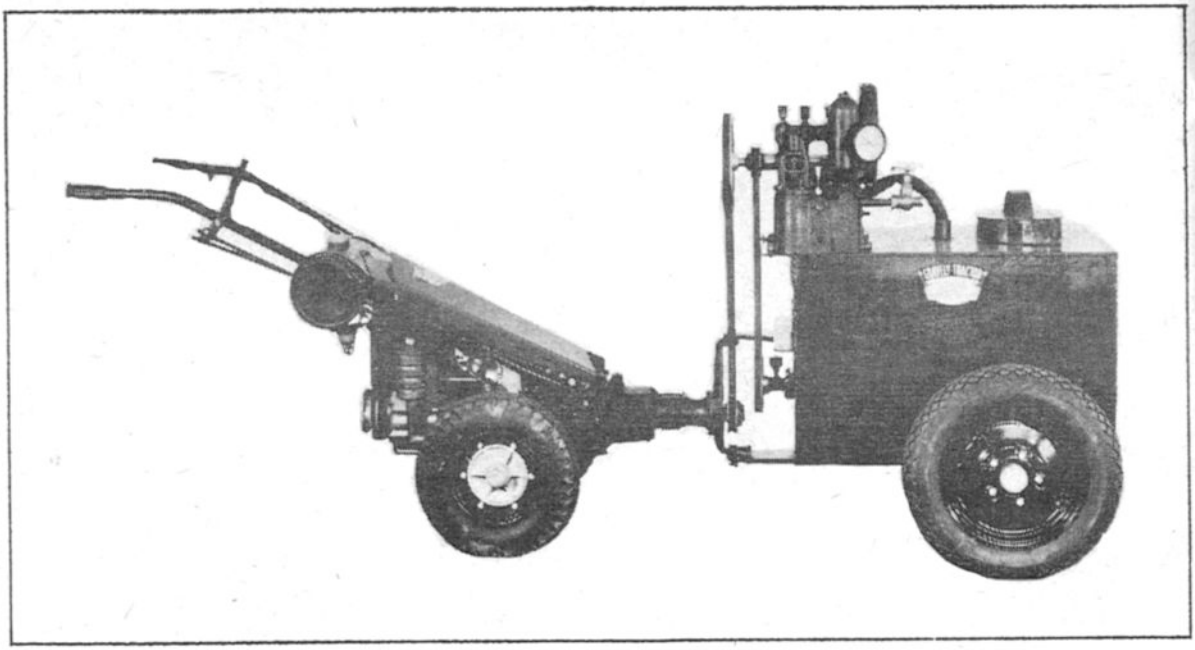
Note 4: In ordering Air Cleaner be sure to check whether you need the L817 Simplex Air Cleaner or the Oil Bath Air Cleaner listed on Page 20.

Note 5: Cylinder Assembly at $20.11 is priced complete without Head. Where the Head is desired, it should be specified at $5.44 extra.

Note 6: The Parts and Prices of the Gas Strainer are as follows:

Sediment Bowl	.30
Sediment Bowl Gasket	.05
Bale Assembly	.20
Valve	.15
Strainer	.10
Main Casting (Top)	.30

Note 7: Complete Wing Universal Assembly $12.50 Each or $25.00 Pair.



THE BEAN-GRAVELY ESTATE SPRAYER

Separate instructions available for operating Sprayer. This power attachment is fastened to the Tractor proper like all others on the GRAVELY and by means of the usual four studs.

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MS-38-D