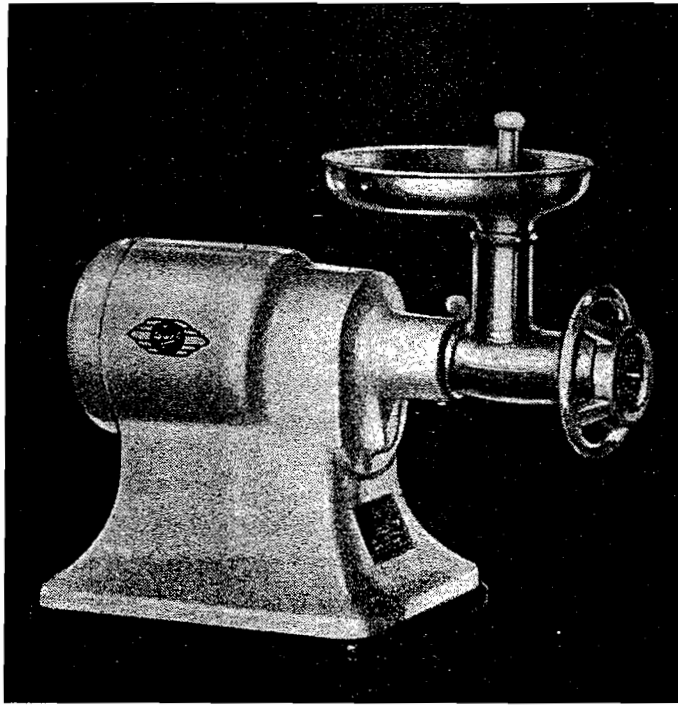


INSTRUCTION MANUAL

with Catalog of Replacement Parts



Model 4312 Chopper

SPECIFICATION 3665

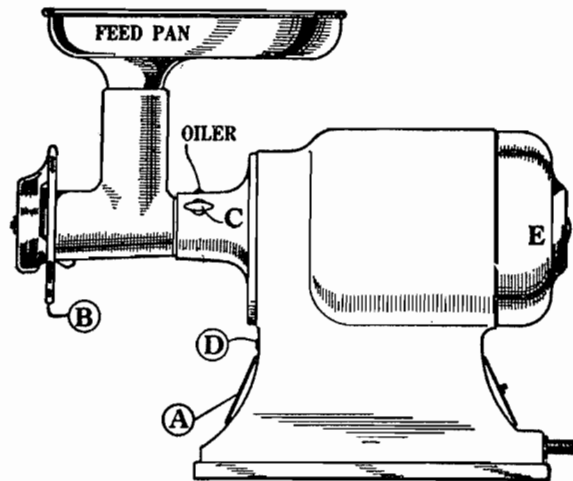


THE HOBART MANUFACTURING COMPANY

The World's Largest Manufacturer of Food, Kitchen, Bakery and Dishwashing Machines

TROY, OHIO, U. S. A.

Instructions for Operation and Care of MODEL 4312 CHOPPER



Before making the electrical connections read the specifications upon the name plate (A) to make sure that they agree with those of your electric service.

THE CHOPPER ATTACHMENT AND ITS CARE

Before using the chopping attachment take it apart and wash thoroughly. When reassembling apply a little tallow, suet, or lard to the composition thrust washer on the end of the worm and also a little to the shaft. The knife and plate, likewise, need some preliminary lubrication; rub tallow over them the first few times they are used. When putting in the knife be sure to turn the cutting side out toward the perforated plate and see that the notch on the circumference of the plate fits over the pin in the bottom of the cylinder.

Do not pull up the adjusting wheel (B) too tight; if the knife and plate are both sharp only a moderate pressure will be needed. Knives and plates must be sharp and true for proper cutting

action. Rub a little tallow over newly-sharpened plates before use.

Always put a drop of oil in the oiler at the hub before starting up. Wash all parts of the attachment daily in warm soap suds but do not let the worm stand in boiling water, for such treatment is injurious to the composition thrust washer.

After each job of grinding take the entire chopper attachment out and place it in the refrigerator until it is needed again.

INSERTING CHOPPER ATTACHMENT

When putting on the chopping attachment see that both the hub and the socket are clean, and insert with a slight twisting motion toward the left so that the stop pin in the attachment is in contact with the side of the hole that receives it. Then tighten the thumb screw (C).

To remove the attachment loosen thumb screw (C) and give the attachment a twist to the right as you pull it out. Never use a hammer.

HOBART REPLACEMENT PARTS

MEAT CHOPPING

Cut the meat into strips and feed it into the chopper, using the feed stick only as needed. If the strips are cut to proper size they will feed without assistance from the pusher, leaving both hands of the operator free to feed meat.

When running beef through the chopper a second time you will find that better speed is made by feeding small quantities at a time than by trying to force in large amounts with the feed stick. Make little balls of the ground meat and drop them in one at a time, or feed the loose meat in small portions.

The feed pan should always be kept in place. It not only makes regular feeding easy but, by increasing the height of the neck, it holds the operator's hands a safe distance from the revolving worm and therefore makes the machine safer to use than other choppers.

The fineness to which the meat is cut is governed by the size of the holes in the chopper plate, not by the tension put upon the adjusting wheel.

GEAR LUBRICATION

The gears and bearings are packed with special lubricant sufficient to last for several years.

The drain and grease filling plug is at D but consult a Hobart Service man before adding grease.

CARE OF MOTOR

Motors for single-phase alternating current, and motors for direct current have commutators and brushes that need periodic dressing. We recommend that you have a Hobart Service man attend to this once a year.

To inspect the commutator remove the cover E.

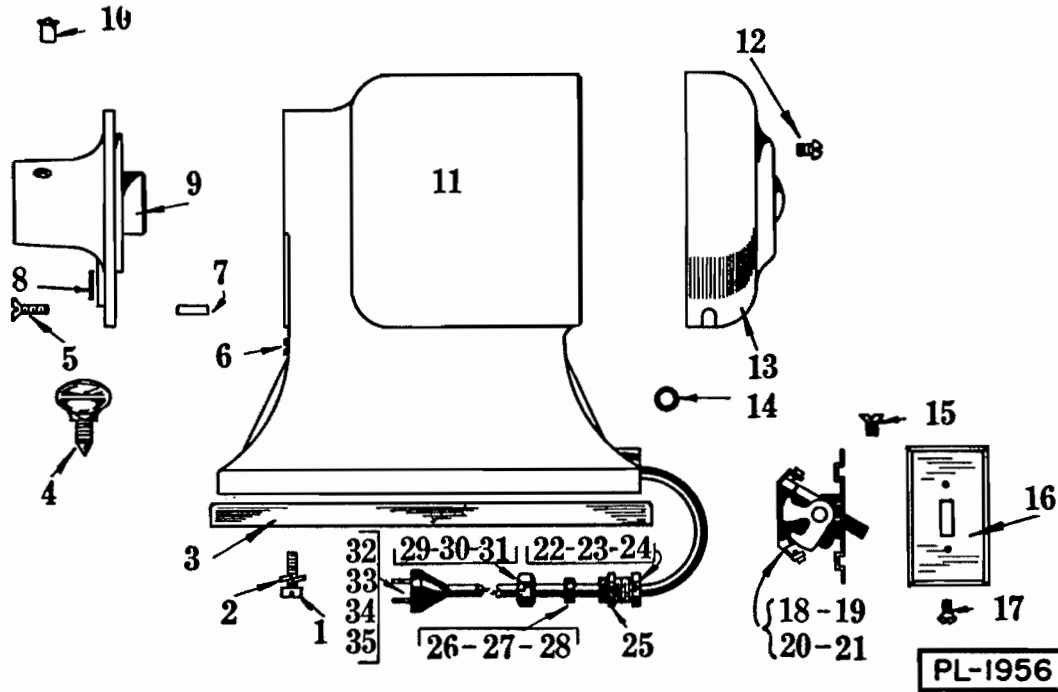
If you wish further information or advice about your machine call at our nearest agency or write directly to the factory.

ORDERING PARTS

When ordering replacement parts, always give the serial number of the machines for which the parts are required.

Order by PART NUMBER, using the illustrations to identify the parts.

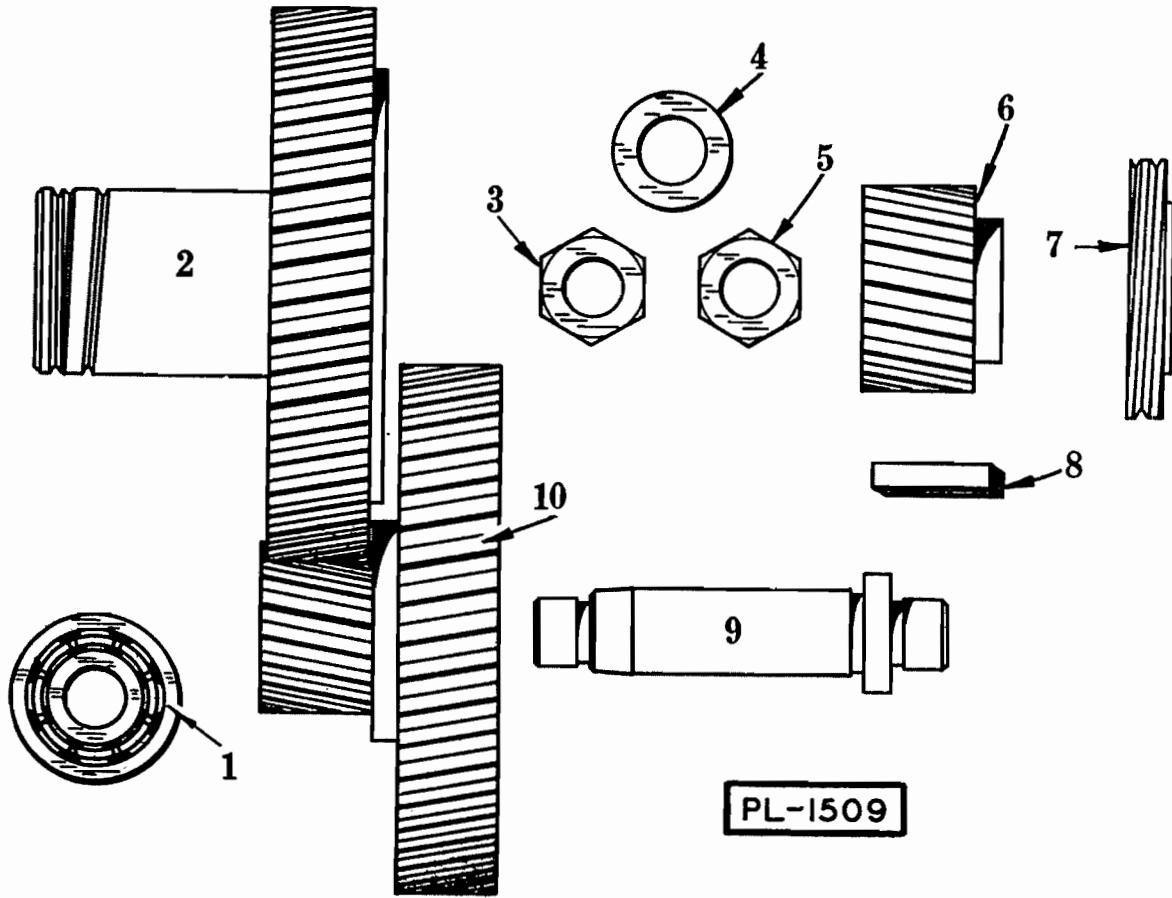
HOBERT REPLACEMENT PARTS



HOUSING UNIT

ILLUS. PL-1956	PART NUMBER	NAME OF PART	AMOUNT
1	SC-11-62	Mach. Screw - #12-24 x 3/4" Flt. Hd.	6
2	WL-3-28	Lock Washer - #12 x .062" x .047"	6
3	S-16596	Base - Rubber	1
4	M-4202-2	Screw - Thumb	1
5	SC-13-71	Mach. Screw - #12-24 x 3/4" Flat Hd.	8
6	V-22660	Plug - Inspection	1
7	P-11800-157	Dowel	1
8	PL-3-31	Plug - 1-3/8" Dia.	1
9	M-60372	Attachment Hub Sub Assy. (Incl. Items 8 & 10)	1
10	OG-3-30	Oiler - Gits #524	1
11	T-14159	Motor Frame & Gear Case	1
12	SC-7-70	Mach. Screw - #10-24 x 1/4" Rd. Hd.	2
13	P-14036-2	Cover - Brg. Bracket	1
14	V-6651	Bushing - Insulating	1
15	SC-13-11	Mach. Screw - #6-32 x 1/4" Flat Hd.	2
16	M-23543	Plate - Switch	1
17	SC-30-6	Mach. Screw - #6-32 x 3/8" Oval Ctsk. Hd.	2
18	R-24940-4	Switch - 1 Phase	1
19	R-24940-2	Switch - 3 Phase (Under 250 V.)	1
20	SS-3-26	Switch - 3 Phase (Over 250 V.)	1
21	SS-12-1	Switch - D. C.	1
22	M-14048-1	Bushing - Cord (For item #33).....	1
23	M-14048-3	Bushing - Cord (For item #34 & 35).....	1
24	M-14048-5	Bushing - Cord (For item #32).....	1
25	V-14049	Lock Nut - Bushing	1
26	V-14050-3	Ring - Clamping (For item #33)	1
27	V-14050-4	Ring - Clamping (For item #34 & 35).....	1
28	V-14050-6	Ring - Clamping (For item #32).....	1
29	V-14051-1	Nut - Clamping Ring (For item #33).....	1
30	V-14051-2	Nut - Clamping Ring (For item #34 & 35).....	1
31	V-14051-3	Nut - Clamping Ring (For item #32).....	1
32	S-63335-1	Cord & Plug (2 Cond., Under 125 V.).....	1
33	S-63335-17	Cord & Plug (2 Cond., 200-250 V.).....	1
34	S-63335-30	Cord & Plug (3 Cond., Under 150 V.).....	1
35	S-63335-43	Cord & Plug (3 Cond., 200-250 V.).....	1

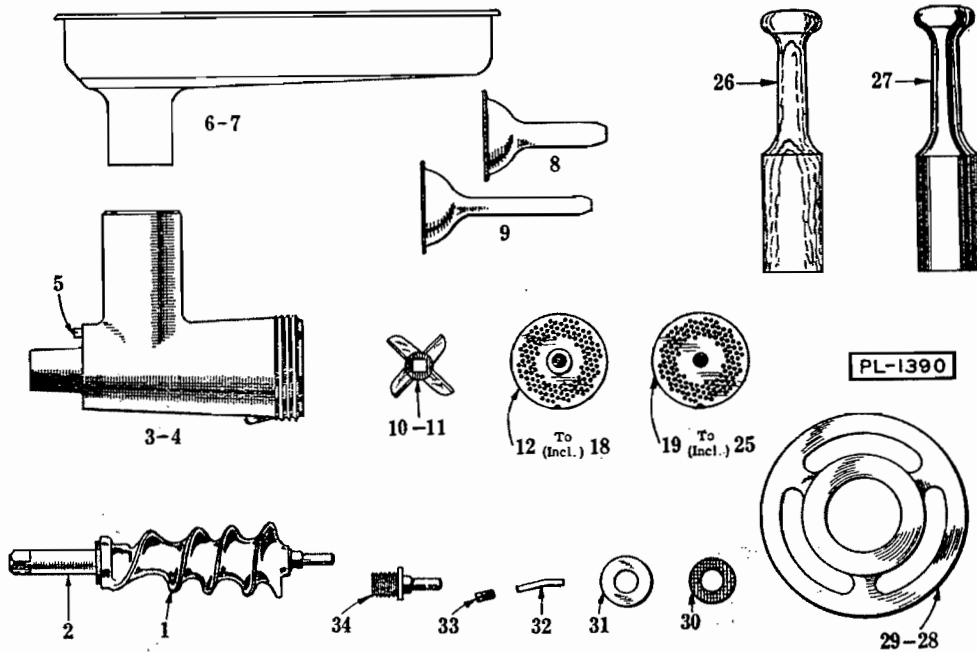
HOBART REPLACEMENT PARTS



DRIVE UNIT

ILLUS. NO.	PART NO.	NAME OF PART	AMOUNT
1	BB-5-6	Ball Bearing - N.D. #3201	2
2	M-15391	Sq. Drive Flange & Gear Assy. (53T)	1
3	V-10928-2	Nut - Motor Shaft	1
4	WS-8-4	Washer	1
5	V-4478	Lock Nut - Motor Shaft	1
6	V-14026	Pinion - Motor (20T)	1
7	M-14029	Deflector - Grease	1
8	R-12430-52	Key	1
9	M-14033	Shaft - Counter	1
10	M-15397	Main Drive Gear & Co-Shaft Pinion Assy. (56T)	1

HOBART REPLACEMENT PARTS



CHOPPER ATTACHMENT UNIT

ILLUS. PL-1390	PART NUMBER	NAME OF PART	AMOUNT
1	M-15878	Worm Assembly (Includes items #2, 30 & 34).....	1
2	M-4284	Stud - Square Drive	1
3	M-24807	Chopper Cylinder Assy. Unit (Spiral Flute, Tinned) (Includes items #5, 31, 32 & 33).....	1
4	M-24806	Chopper Cylinder Assy. Unit (Spiral Flute, Brite Metal) (Includes items #5, 31, 32 & 33).....	1
5	V-5677-1	Stud - Stop	1
6	P-7456-1	Pan - Feed (Tinned)	1
7	S-21990-2	Pan - Feed (Stainless St.)	1
8	M-5174	Stuffer - Sausage (Hog Casing)	1
9	P-4980	Stuffer - Sausage (Sheep Casing)	1
10	P-16408	Knife - Chopper (Drop Forge)	1
11	P-60391	Knife - Chopper (Stay Sharp)	1
12	P-16423	Plate - (Drop Forge) (1/8" Dia. Holes)	1
13	P-16424	Plate - (Drop Forge) (3/16" Dia. Holes)	1
14	P-16425	Plate - (Drop Forge) (1/4" Dia. Holes)	1
15	P-16426	Plate - (Drop Forge) (3/8" Dia. Holes)	1
16	M-16427	Plate - (Drop Forge) (1/2" Dia. Holes)	1
17	M-16428	Plate - (Drop Forge) (5/8" Dia. Holes)	1
18	M-16429	Plate - (Drop Forge) (11/16" Dia. Holes)	1
19	P-17520-2	Plate - (Stay Sharp) (1/8" Dia. Holes)	1
20	P-17520-3	Plate - (Stay Sharp) (3/16" Dia. Holes)	1
21	P-17520-4	Plate - (Stay Sharp) (1/4" Dia. Holes)	1
22	P-17520-5	Plate - (Stay Sharp) (3/8" Dia. Holes)	1
23	P-17520-6	Plate - (Stay Sharp) (1/2" Dia. Holes)	1
24	P-17520-7	Plate - (Stay Sharp) (5/8" Dia. Holes)	1
25	P-17520-8	Plate - (Stay Sharp) (11/16" Dia. Holes)	1
26	M-6555	Stick - Feed (Wood)	1
27	P-23150	Stick - Feed (Metal)	1
28	P-6507	Ring - Adjusting (Standard)	1
29	P-14639	Ring - Adjusting (NI Resist)	1
30	V-3310	Washer - Worm Thrust	1
31	V-4838-1	Washer - Cylinder Thrust	1
32	V-4034	Pin - Plate	1
33	V-4310	Screw - Plate Pin Retaining	1
34	M-15877	Stud - Plate	1