



SEPTEMBER 15, 1941

LITTLE GIANT POWER HAMMERS

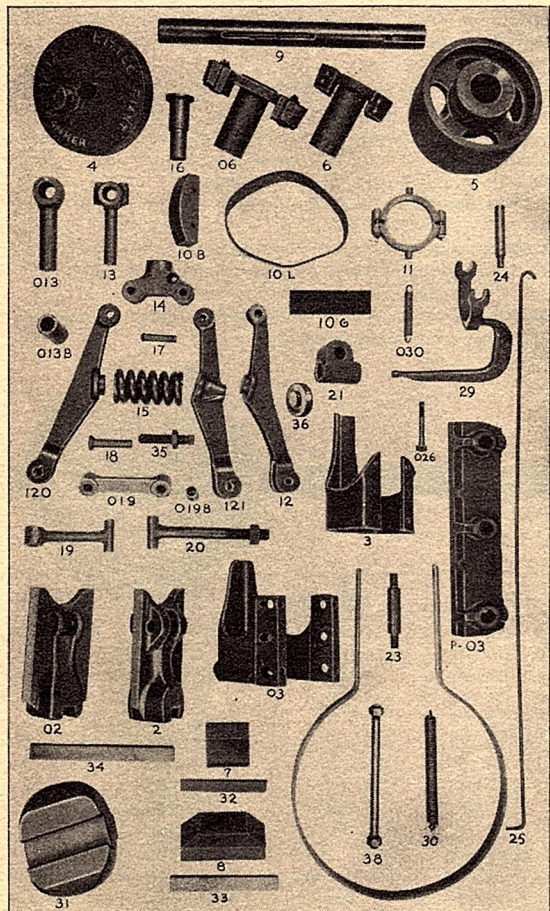
PRICE LIST—NET—F. O. B. MANKATO, MINN.

CODE NO.	SIZE OF RAM	25 lb.	50 lb.	100 lb.	250 lb.	500 lb.
19	BELT DRIVEN.....	\$ 190.00	\$ 285.00	\$ 600.00	\$ 1300.00	\$ 2500.00
20	MOTOR DRIVEN WITH MOTOR BASE AND PULLEY, WITHOUT MOTOR.....	220.00	325.00	650.00	1390.00	2600.00
21	WITH 60 CYCLE 2 OR 3 PHASE MOTOR. STATE VOLTAGE).....	265.00	395.00	715.00	1525.00	2800.00
22	WITH 110 OR 220 VOLT 60 CYCLE SINGLE PHASE..	270.00	405.00	740.00
26	HEAVY ENDLESS DRIVE BELT EXTRA.....	8.00	10.00	12.00	15.00	25.00
27	WIRE BELT GUARD FOR MOTOR DRIVEN HAMMER.....	25.00	30.00	35.00	50.00	60.00
28	ENCLOSED 3 POLE CARTRIDGE FUSED SWITCH.....	5.00	5.00	5.00
29	ENCLOSED MANUAL SWITCH WITH OVERLOAD PROTECTION.....	10.00	10.00	12.00	*45.00	*45.00
	Code Word	Babe	Boy	Man	Giant	Jumbo

* Remote-control magnetic switch, with over-load and under-voltage protection. If hand compensator is desired, ask for price.
Note that belts and switches are quoted separately.

IN ORDERING GIVE PREFIX (H FOR 25# HAMMER, K FOR 50#, P FOR 100#), NUMBER AND NAME OF PART.
STATE SIZE AND SERIAL NUMBER OF HAMMER. THIS IS ESSENTIAL.

PARTS LIST AND PRICES



NO.	NAME OF PART	25 LB.	50 LB.	100 LB.
	FRAME CASTING (NOT ILLUSTRATED).....	PRICE ON	APPLICATION	
2	RAM OR HEAD (FOR EARLIER MODELS).....	22.30	34.65	65.00
02	RAM OR HEAD (FOR CURRENT MODELS).....	22.30	34.65	65.00
002	RAM OR HEAD (FOR CURRENT MODELS).....	22.30	34.65	65.00
3	RAM GUIDE (STEEL FOR EARLIER MODELS).....	11.50	16.00	31.00
03	RAM GUIDE (CAST IRON FOR EARLIER MODELS).....	11.50	16.00	31.00
03R	RAM GUIDE, RIGHT (FOR CURRENT MODELS).....	6.60	8.80	15.50
03L	RAM GUIDE, LEFT (FOR CURRENT MODELS).....	6.60	8.80	15.50
4	CRANK PLATE AND PIN (FOR EARLIER MODELS).....	13.75	20.65	40.00
04	CRANK PLATE AND PIN (FOR CURRENT MODELS).....	13.75	20.65	40.00
5	FRICITION PULLEY (FOR BELT DRIVE).....	19.80	29.15	42.00
5M	FRICITION PULLEY - MOTOR DRIVE, NOT ILLUSTRATED..	19.80	29.15	42.00
6	FRICITION SPIDER-WITH BAND (FOR EARLIER MODELS) ..	10.45	15.70	31.50
06	FRICITION SPIDER-WITH BLOCKS (FOR CURRENT MODELS)	10.45	15.70	31.50
7	DIE, UPPER.....	4.95	8.25	19.25
8	DIE, LOWER.....	9.10	10.55	19.25
9	CRANK SHAFT, HOLLOW FOR BELT DRIVE.....	6.35	9.55	18.70
9M	CRANK SHAFT, HOLLOW FOR MOTOR DRIVE (NOT ILLUSTRATED).....	6.35	9.55	18.70
10-C	FRICITION COVERING, COMP. 2 PIECES.....	.90	1.20	1.75
10-L	FRICITION COVERING, LEATH. 1 PIECE.....	2.75	3.45	6.20
10-B	FRICITION BLOCK-SET (CURRENT MODELS).....	1.40	2.10	3.15
11	SHIFTING COLLAR-2 Pcs.....	1.65	2.20	
12R	TOGGLE ARM, RIGHT (FOR EARLIER MODELS).....	4.40	7.40	15.00
12L	TOGGLE ARM, LEFT (FOR EARLIER MODELS).....	4.40	7.40	15.00
120	TOGGLE ARM, LEFT (FOR EARLIER MODELS).....	4.40	7.40	15.00
121	TOGGLE ARM, RIGHT (FOR EARLIER MODELS).....	5.90	8.60	16.50
012L	TOGGLE ARM LEFT (CURRENT MODELS).....	4.40	7.40	15.00
012R	TOGGLE ARM RIGHT (CURRENT MODELS).....	5.90	8.60	16.50
13	CRANK BOX AND PITMAN (FOR EARLIER MODELS).....	9.90	14.85	29.75
013	CRANK BOX AND PITMAN (FOR CURRENT MODELS).....	9.90	14.85	29.75
013B	CRANK BEARING, BRONZE (CURRENT MODEL).....	1.10	1.65	2.20
14	CROSSHEAD.....	4.15	6.45	12.00
15	TENSION SPRING (EARLIER MODELS).....	1.65	2.20	4.40
015	TENSION SPRING (CURRENT MODELS).....	1.65	2.20	4.40
16	CRANK PIN (EARLIER MODELS).....	2.75	4.15	5.50
016	CRANK PIN (CURRENT MODELS).....	2.75	4.15	5.50
17	ARM PIN, UPPER.....	.45	.55	2.50
18	ARM PIN, LOWER.....	.55	.70	3.25
19	EYE BOLT (FOR EARLIER MODELS).....	2.75	4.00	10.50
019	TOGGLE LINKS, BRONZE BUSHED (CURRENT MODELS)...	2.75	4.00	10.50
019B	TOGGLE LINK BEARING, BRONZE (CURRENT MODELS)...	.45	.55	.85
20	TEE BOLT.....	2.75	4.00	10.50
21	TENSION ADJUSTING KNUCKLE (EARLIER MODELS).....	1.20	2.25	4.50
22	TREAD.....	3.30	4.95	8.25
23	TREAD BOLT.....	1.05	1.65	2.50
24	SHIFTING FORK BOLT.....	.85	1.30	1.65
25	TREAD ROD.....	1.30	1.40	2.00
26	FRICITION RELEASE SPRINGHOOK (EARLY MODELS).....	.25	.25	.35
026	FRICITION RELEASE SPRING BOLT (CURRENT MODELS)...	.25	.25	.35
27	BOX CAP, FRONT (EARLIER MODELS).....	1.90	2.75	4.75
027	BOX CAP, FRONT (CURRENT MODELS).....	1.90	2.75	4.75
28	BOX CAP, REAR (EARLIER MODELS).....	1.65	2.20	4.50
028	BOX CAP, REAR (CURRENT MODELS).....	1.65	2.20	4.50
29	SHIFTING FORK.....	6.35	8.45	13.25
30	FRICITION RELEASE SPRING (EARLIER MODELS).....	1.05	1.05	1.05
030	FRICITION RELEASE SPRING (CURRENT MODEL).....	1.05	1.05	1.05
31	DIE OR ANVIL BLOCK (EARLIER MODELS).....	16.50	20.65	24.75
031	DIE OR ANVIL BLOCK (CURRENT MODELS).....	16.50	20.65	24.75
32	KEY FOR UPPER DIE.....	.70	.85	1.00
33	KEY FOR LOWER DIE.....	.70	.85	1.00
34	KEY FOR DIE BLOCK.....	.70	.85	1.00
35	TENSION ADJ. SCREW WITH NUT.....	.70	1.40	2.75
36	TENSION ADJ. WASHER.....	.40	.55	.70
38	RAM GUIDE BOLT.....	1.65	2.20	3.25
39	RAM GUIDE ADJ. SCREW WITH NUT.....	.35	.70	.80

LITTLE GIANT, INC., MANKATO, MINNESOTA, U.S.A.

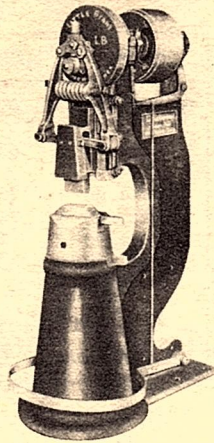
LITTLE GIANT POWER HAMMERS

STANDARD OF THE WORLD FOR
HALF A CENTURY

THE LITTLE GIANT POWER HAMMER is the original hammer of its type; yet its current models incorporate improvements and refinements arrived at through fifty-two years of hammer building by a succession of designers and mechanics in the Little Giant plant. Smooth running at top or slow speed, striking a heavy or light blow under perfect and continuous control, quickly adjustable to all sizes of material within their respective range, the five models shown represent the utmost in hammer efficiency and have made "Little Giant or its equal" standard specification for power hammers the world over.

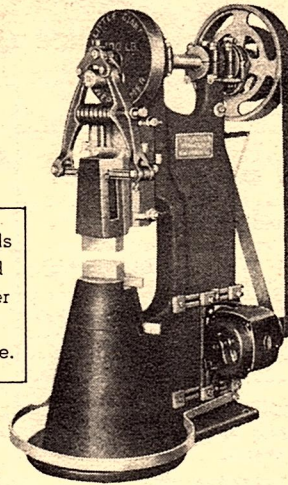
Outstanding Feature of the Little Giant Power Hammer is the ram connection assembly—a distinctive Little Giant mechanism which, although improved in minor detail through the years, remains close to the original conception. It consists of an arrangement of toggle arms and links and a coil compression tension spring connecting the ram with the crank pin. This, by compression of the spring, affords a positive cushion for the ram at the upper extremity of the stroke and greatly increases the speed of the downward stroke.

Ram, Toggle Arms, crosshead, crank bearing and rod are steel castings. Toggle links are steel (low carbon, to minimize breakage). Spring is of high grade spring steel. Toggle links and crank bearing are bronze bushed. Adjustment of spring is made through the arm, directly against the tension spring; this gives maximum adjustment without changing centers of toggle bearings with consequent impairment of action and efficiency.

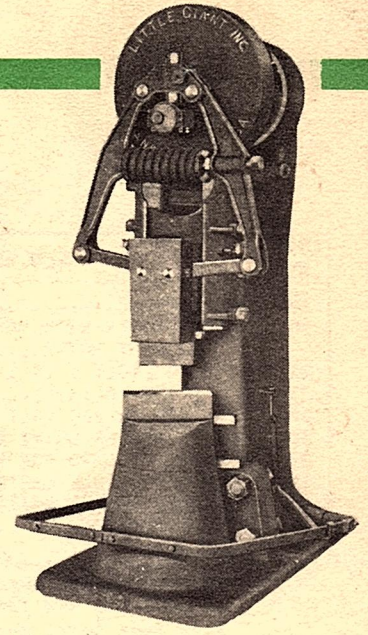


25-Lb. and 50-Lb. Models

All models furnished with either belt or motor drive.



100-Lb. Model



250-Lb. and 500-Lb. Models

Hard Maple Blocks provide the friction surface—best possible material for this application—and they are adjustable for wear. Friction pulley bearing is extra large diameter, babbitted on the 25-lb., 50-lb. and 100-lb. models, bronze sleeved on the 250-lb. and 500-lb. models. Friction spider is held in position by tapered key.

Frame and Sow Block are semi-steel castings of massive design. On the 250-lb. and 500-lb. models, the sow block is a separate piece, attached to main frame by machined surfaces, tongued and grooved to maintain perfect alignment.

Ram operates in machined V guides, insuring perfect alignment for matched die work. Bearing surfaces are ample. Adjustments are positive and easily made. Ram is cast steel, carefully balanced and machined; ram guide surfaces are machined cast iron in smaller models, bronze in 250-lb. and 500-lb. models.

Crank Shaft Bearings are of high grade babbitt metal.

Dies are of high carbon alloy tool steel, accurately machined and carefully heat-treated, fitted into machined slots and held in position by taper keys. All five models are equipped with removable die or anvil block.

Lubrication—Friction, pulley and crank bearing grease lubricated. Shaft and other moving parts oil lubricated.

SPECIFICATIONS...

CODE NO.		25 lb.	50 lb.	100 lb.	250 lb.	500 lb.
1	FORGING CAPACITY--GENERAL WORK.....	2 IN. RD.	3 IN. RD.	4 IN. RD.	6 IN. RD.	7 IN. RD.
2	QUANTITY PRODUCTION.....	1½ IN. RD.	2 IN. RD.	2½ IN. RD.	4½ IN. RD.	5 IN. RD.
3	WILL HANDLE FLATS EDGEWISE WITHOUT ADJUSTMENT	3 IN.	4 IN.	5 IN.	15 IN.	15 IN.
4	MAXIMUM CAPACITY	6 IN.	6 IN.	7 IN.	15 IN.	15 IN.
5	UPPER DIE SIZE--ROUND FACE	*3x1½ IN.	*3½x1½ IN.	6x3 IN.	8x3½ IN.	10x4½ IN.
6	FLAT FACE.....	3x2 IN.	3½x2½ IN.	6x3 IN.	8x3½ IN.	10x4½ IN.
7	LOWER DIE SIZE FACE	3x2 IN.	3½x2½ IN.	6x3 IN.	13x3½ IN.	15x4½ IN.
8	MAXIMUM LENGTH OF STROKE	8 IN.	11 IN.	13 IN.	20 IN.	24 IN.
9	THROAT ROOM--HEIGHT.....	6 IN.	6 IN.	7 IN.	12 IN.	14 IN.
10	DEPTH	10 IN.	14 IN.	14 IN.	14 IN.	15 IN.
11	BELT PULLEY SIZE--BELT DRIVEN	10x3½ IN.	12x4 IN.	14x5 IN.	18x8 IN.	24x9 IN.
12	MOTOR DRIVEN	12x3 IN.	15x3½ IN.	21x4½ IN.	28x4½ IN.	32x7 IN.
13	HEIGHT OVER ALL	4ft. 10IN.	5ft. 3½IN.	5ft. 10½IN.	6ft. 8IN.	8ft. 11IN.
14	FLOOR SPACE REQUIRED.....	16x27 IN.	20x30 IN.	28x42 IN.	30x54 IN.	32x62 IN.
15	REVOLUTIONS (STROKES) PER MINUTE.....	375	325	275	195	160
16	HORSE POWER REQUIRED	1	2	3	7½	15
17	WEIGHT--BELT DRIVEN	870 LBS.	1600 LBS.	3000 LBS.	5000 LBS.	10,000 LBS.
18	" MOTOR DRIVEN WITH MOTOR	1000 LBS.	1800 LBS.	3300 LBS.	5500 LBS.	10,700 LBS.

