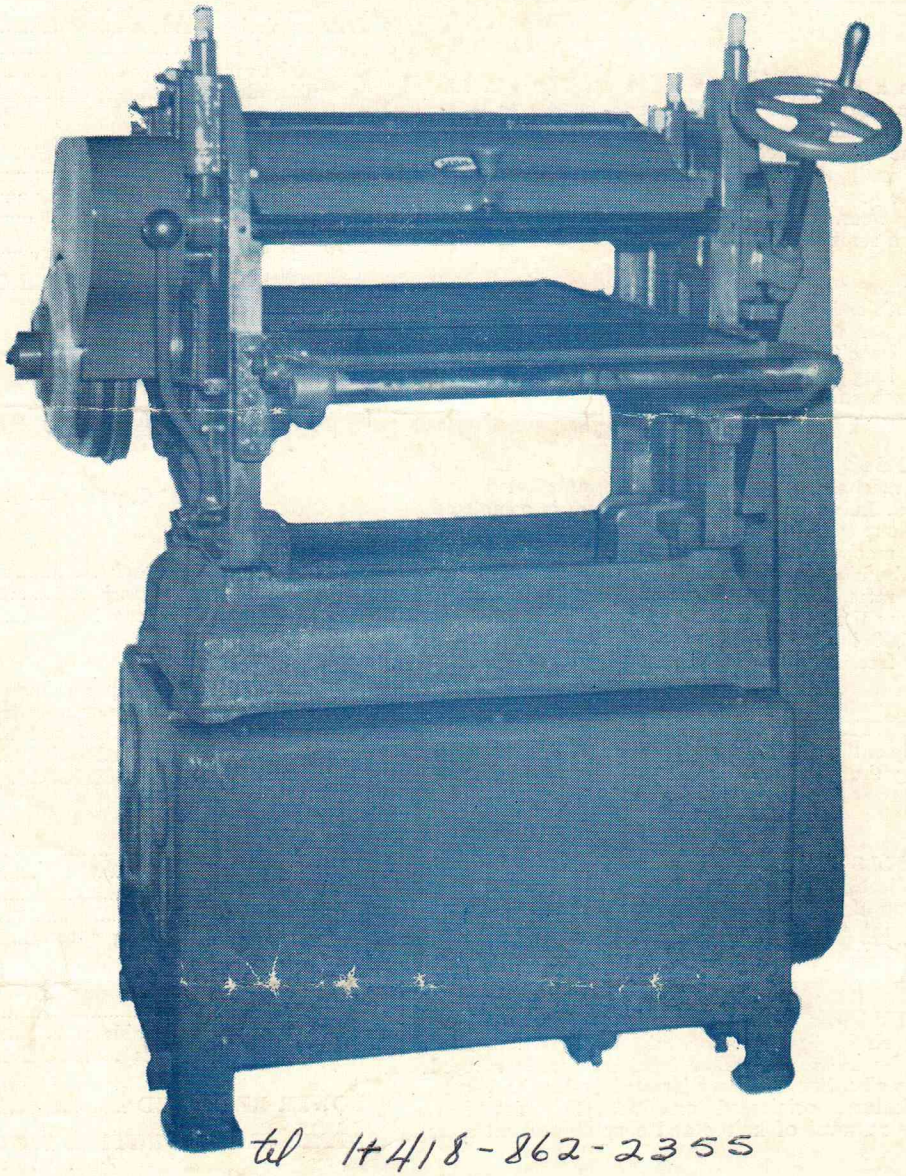
SOUCY
RIV.-DU-LOUP

HEAVY DUTY THICKNESS PLANERS

TYPES 6000 & 600A — 7000 & 7000A

16" x 9" and 20" x 9" CAPACITY
3 KNIFE or 4 KNIFE HEAD



tel 1+418-862-2355

- INCREASED RUGGEDNESS
- GREATER OVERLOAD CAPACITY
- EXTRA HEAVY CUTS
- TWO FEED RATES.

217 Rue Tessiguata
Riviere du Loup PQ.

Construction features

Heavy Duty Type "SOUCY" Thickness Planers have been specially designed to meet requirements of industrial plants, pattern shops and training Schools, where high efficiency, together with ruggedness and greater overload capacity are important.

THE FLOOR STAND as a separate unit of modern styling, providing a sturdy support for the machine and ample housing space for any suitable motor, whenever enclosed motor drive is required.

THE TABLE is a one-piece heavy ribbed casting, with surface polished true. Strips are provided on both sides to guide short stock. Large Handwheel, conveniently located on the front side of the machine, connects to two elevating screws through a combination of steel miter gears, for raising or lowering the table parallel to the cutterhead. Adjustable gibs on the slides take up wear. A scale on the front right side, indicates thickness at which stock is planed.

ROLLERS at both ends of the table extend the effective table length, and together with the rolls located in the middle of the table, minimize efficiency losses due to friction on table, particularly on long pieces. Independent height adjustment is provided at each end of the four rolls.

THE POWER FEED is driven by a compact, self-enclosed planetary gear mechanism, in which six prelubricated ball bearings are used. Lubrication of this mechanism is completed by a single oil cup conveniently located on top of the machine. The feed mechanism takes power from the cutterhead by a two-step V Pulley arrangement, thereby providing two convenient feed rates interchanged without any tools. Power is transmitted from the mechanism to the feed rolls by a heavy roller chain (5,000 lbs rated capacity) on a sprocket arrangement allowing free up and down movement of the feed rolls.

THE FEED CONTROL is of the clutch type, ensuring smooth and efficient start, and instant stop of power feed, without stopping the machine. The lever is conveniently located.

THE FEED ROLLS AND PRESSURE BAR all have independant end adjustments for alignment. Adjustment screws are located on top of the machine. Coil spring tension is used. The corrugated infeed roll runs on two self alligning ball journals, thus allowing cuts up to 5/8" thick without strain.

THE CUTTERHEAD is a round Safety Cutterhead, having a 3 7/8" Cutting circle. Special alloy thin knives are held in the cutterblock by means of hollow head set screws secured against the knife gibs. Small Screws inserted under the knives, an exclusive feature, originated on "SOUCY" machines, provide for easy removal of knives and easy adjustment after sharpening.

Specifications - Type 6000

16" x 9" Capacity — Three Knife Head

CAPACITY:

Maximum width of stock	16"
Maximum height of stock	9½"
Maximum depth of cut	5/8"

POWER FEED:

1st Speed rate, in feet per minute	45
2nd Speed rate, in feet per minute	30
Diameter of grooved infeed roll	2½"
Diameter of plain outfeed roll	2½"

(Feed rates based on 5,000 R.P.M. operation)

CUTTERHEAD:

Diameter of cutterblock	3¾"
Cutting circle of knives	3⅞"
Number of knives	3
Size of knives	16" x ⅞" x ⅛"
Recommended operating speed	5,000 R.P.M.

TABLE:

Effective length	37"
Diameter of middle table rolls	2"
Diameter of end rolls	1½"

POWER REQUIRED	3 H.P.
APPROXIMATE SHIPPING WEIGTH	920 lbs

Specifications - Type 6000A

16" x 9" Capacity — Four Knife Head

CAPACITY:

Maximum width of stock	16"
Maximum height of stock	9½"
Maximum depth of cut	5/8"

POWER FEED:

1st Speed rate, in feet per minute	45
2nd Speed rate, in feet per minute	30
Diameter of grooved infeed roll	2½"
Diameter of plain outfeed roll	2½"

(Feed rates based on 5,000 R.P.M. Operation)

CUTTERHEAD:

Diameter of cutterblock	3¾"
Cutting circle of knives	3⅞"
Number of knives	4
Size of knives	16" x ⅞" x ⅛"
Recommended operating speed	5,000 R.P.M.

TABLE:

Effective length	37"
Diameter of middle table rolls	2"
Diameter of end rolls	1½"

POWER REQUIRED	3 H.P.
APPROXIMATE SHIPPING WEIGHT	950 lbs

Specifications - Type 7000

20" x 9" Capacity — Three Knife Head

CAPACITY:

Maximum width of stock	20"
Maximum height of stock	½"
Maximum depth of cut	⅝"

POWER FEED:

1st Speed rate, in feet per minute	45
2nd Speed rate, in feet per minute	30
Diameter of grooved infeed roll	2½"
Diameter of plain outfeed roll	2½"

(Feed rates based on 5,000 R.P.M. operation)

CUTTERHEAD:

Diameter of cutterblock	3¾"
Cutting circle of knives	3⅞"
Number of knives	3
Size of knives	20" x ⅞" x ⅛"
Recommended operating speed	5,000 R.P.M.

TABLE:

Effective length	37"
Diameter of middle table rolls	2"
Diameter of end rolls	1½"

POWER REQUIRED ..... 5 H.P.

APPROXIMATE SHIPPING WEIGHT ..... 1000 lbs

Specifications - Type 7000A

20" x 9" Capacity — Four Knife Head

CAPACITY:

Maximum width of stock	20"
Maximum height of stock	½"
Maximum depth of cut	⅝"

POWER FEED:

1st Speed rate, in feet per minute	45
2nd Speed rate, in feet per minute	30
Diameter of grooved infeed roll	2½"
Diameter of plain outfeed roll	2½"

(Feed rates based on 5,000 R.P.M. operation)

CUTTERHEAD:

Diameter of cutterblock	3¾"
Cutting circle of knives	3⅞"
Number of knives	4
Size of knives	20" x ⅞" x ⅛"
Recommended operating speed	5,000 R.P.M.

TABLE:

Effective length	37'
Diameter of middle table rolls	2'
Diameter of end rolls	1½"

POWER REQUIRED ..... 5 H.P

APPROXIMATE SHIPPING WEIGHT ..... 1050 lbs

General information

REGULAR EQUIPMENT

Regular equipment on Types 6000 - 6000A — 7000 & 7000A Heavy Duty Thickness Planers comprise:

Complete planer with floor stand

Cutterhead drive pulley (specify whether for V-Belt drive or flat Belt drive)

One set — High Chrome Carbon steel knives

One set — Hollow set screw keys for cutterhead.

EXTRA EQUIPMENT

for enclosed motor drive installation

TYPES 6000 & 6000A

V-Belt motor pulley (specify bore)	6030
Adjustable motor bracket	6034
Belt guard (as illustrated on cover)	6032

TYPES 7000 & 7000A

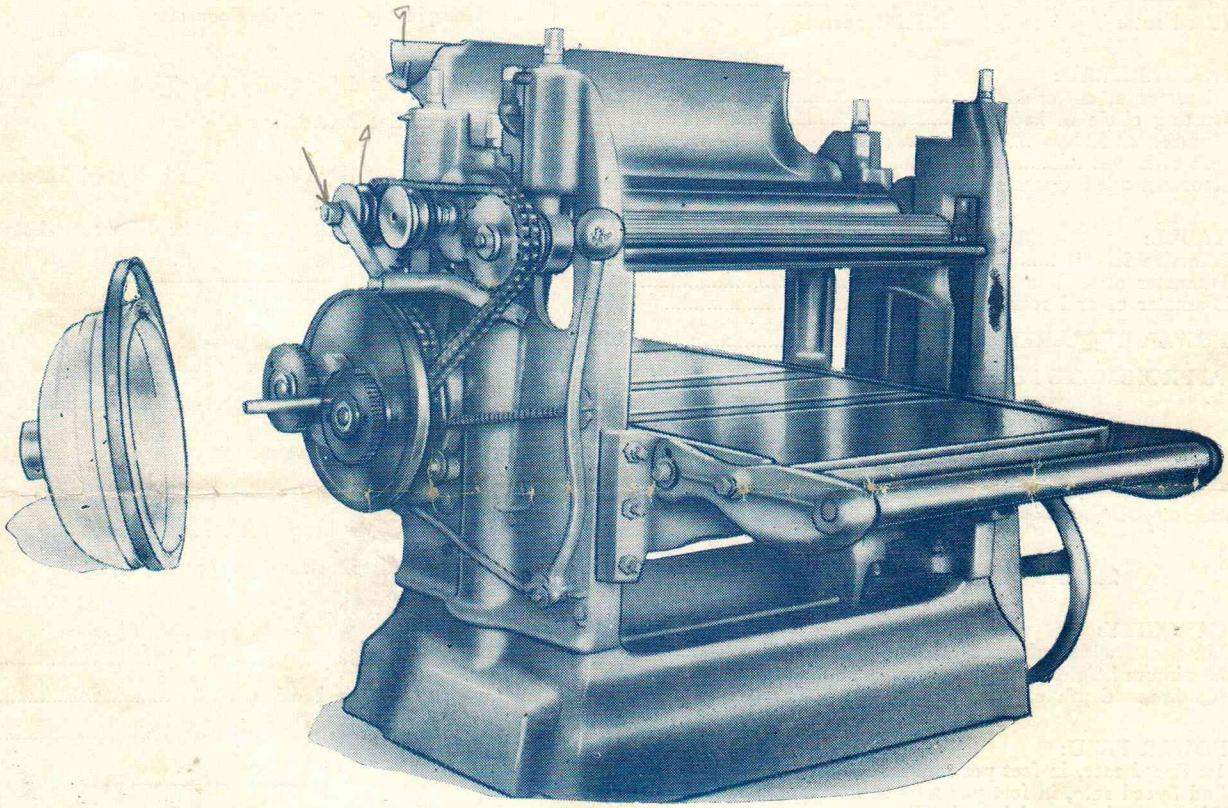
V-Belt motor pulley (specify bore)	7030
Adjustment motor bracket	7034
Belt guard (as illustrated on cover)	7032

POWER REQUIREMENT

Horsepower rating in the specifications is quite arbitrary, some variation may be expected, depending on the particular kind of work.

Picture of HEAVY DUTY Planer showing the feed drive mechanism with cover off. Note compactness of the unit. The cover (shown at left) acts as the driving pulley. This pulley, the clutch and the driving sprocket are all mounted on the same axis.

A protective guard (not shown here) covers this drive mechanism.



The chipbreaker is tilted back, showing the corrugated feed roll and the cutterhead.

MANUFACTURED BY

ADELARD SOUCY, LTD LTÉE

Rivière-du-Loup, P. Q., Canada.

PARTS LIST

FOR

"SOUCY"

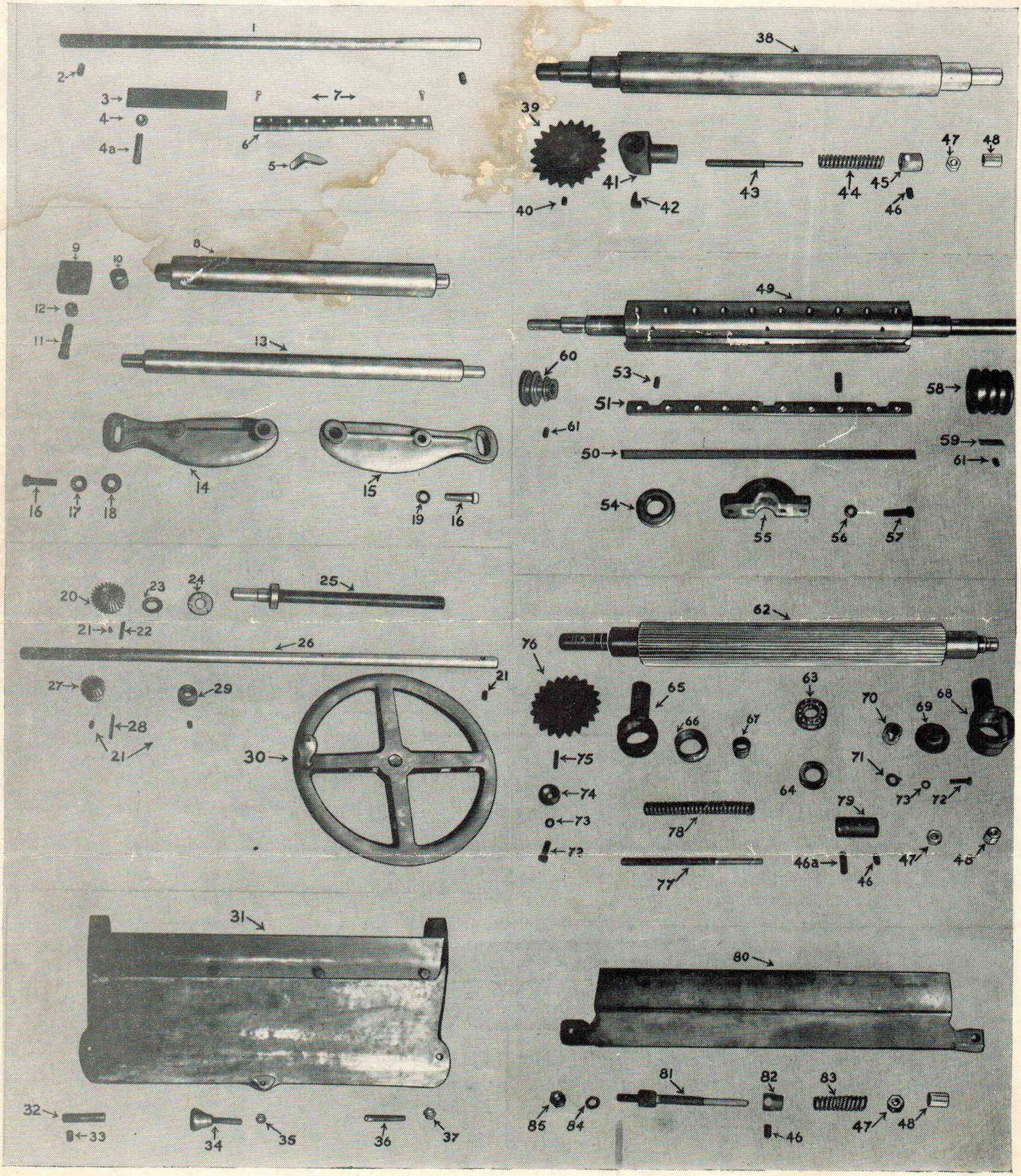
HEAVY DUTY THICKNESS PLANERS

TYPES 6000 - 6000A - 7000 & 7000A

ADÉLARD SOUCY, LTD LTÉE

RIVIERE DU LOUP, P.Q.

Fig. 1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Impossible de faire cette partie
Morceau manquant

Fig. 2

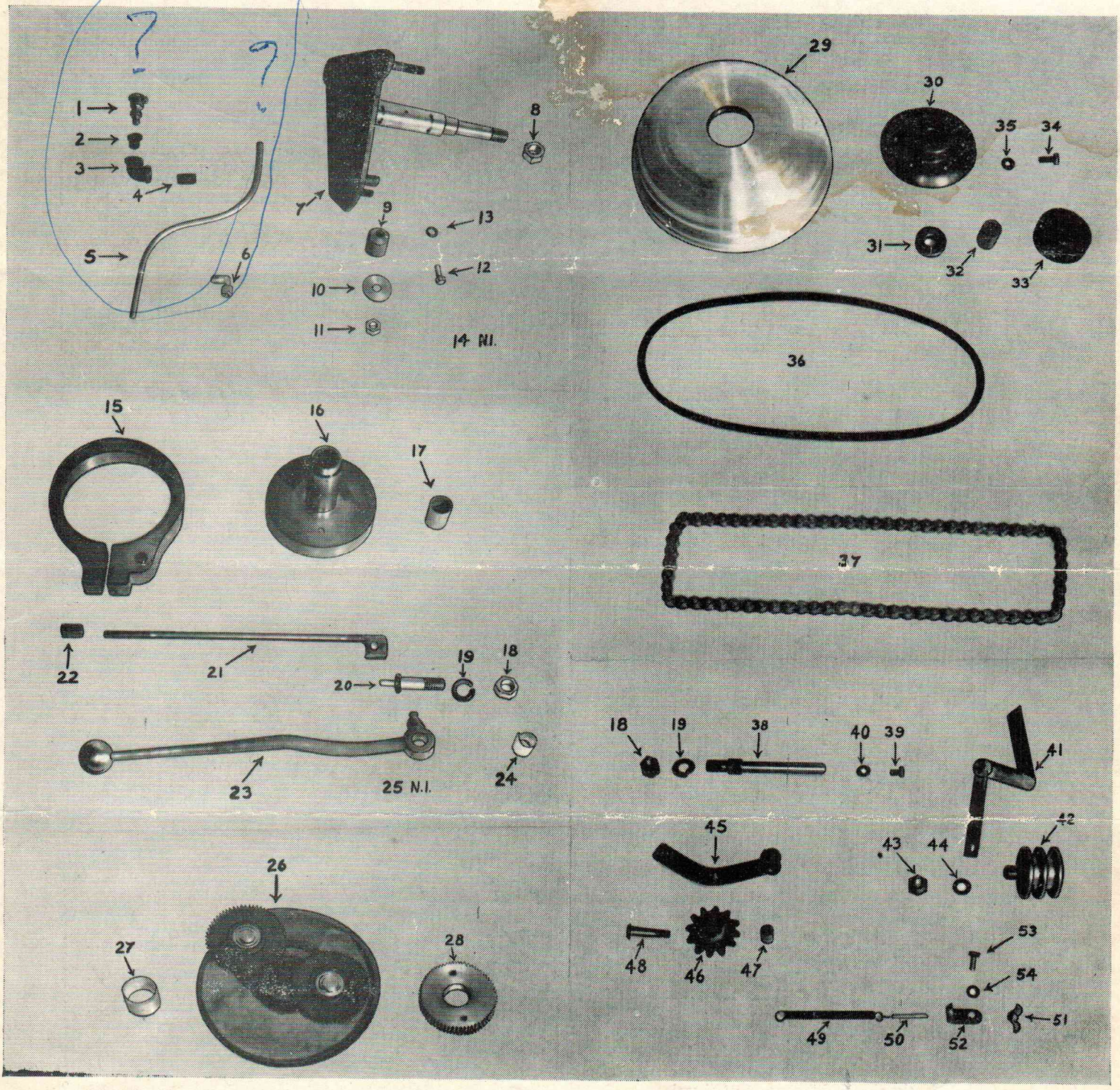

Fig. 1	Types 6000 & 7000-A	Types 7000 & 7000-A	Description	Required
1	6401	7401	Front & Back rods	2
2	.....	.....	3/8" x 3/8" Hollow Set Screws	4
3	6402	7402	Slide blade	2
4	.....	.....	3/8" U.S.S. Nut	6
4a	.....	.....	3/8" x 1 1/4" Cup Point Set Screw	6
5	6201	7201	Pointer	1
6	6202	7202	Scale	1
7	.....	.....	3/16" x 1/2" Round Head Bolts	2
8	6403	7403	Center table roll	2
9	6404	7404	Center roller bearing block	4
10	6405	7405	Bronze Bushing	4
11	.....	.....	1/2" x 2" Cup Point Set Screw	4
12	.....	.....	1/2" U.S.S. Nut	4
13	6406	7406	End table roll	2
14	6111	7111	End roll racket (L.H.)	2
15	6112	7112	End Roll bracket (R.H.)	2
16	.....	.....	7/16" x 1 1/2" U.S.S. Cap Screws	8
17	.....	.....	7/16" flat washer	4
18	.....	.....	1/2" flat washer	4
19	.....	.....	7/16" Lockwasher	4
20	6203A	7203A	12 D.P. 27 Tooth Bevel Gear	2
21	.....	.....	5/16" x 3/8" Hollow Set Screws	7
22	.....	.....	5/32" x 1 1/2" Straight Pin	2
23	6407	7407	Spacer (irregular thickness)	2
24	6408	7408	Bronze Thrust bearing	2
25	6409	7409	Table screw	2
26	6410	7410	Table adjustment rod	1
27	6203B	7203B	12 D.P. 18 Tooth Bevel Gear	2
28	.....	.....	5/32" x 1 1/4" straight pin	2
29	6411	7411	Collar	2
30	6174	7174	Handwheel	1
31	6108	7108	Chipbreaker	1
32	6412	7412	Chipbreaker supporting pin	2
33	.....	.....	3/8" x 1/2" Hollow Set Screws	2
34	6113	7113	Chipbreaker adjustment screw	1
35	.....	.....	5/16" N.C. Nut	1
36	6204	7204	Bronze Tipped screw	2
37	.....	.....	3/8" N.C. Nut	2
38	6413	7413	Plain Feed Roll	1
39	6414	7414	Sprocket for Plain Feed Roll	1
40	.....	.....	5/16" x 5/16" Hollow Set Screw	1
41	6110	7110	Plain feed roll Bearing (LH or RH)	2
42	.....	.....	Gits L-1218 Oil Cup	2
43	6415	7415	Stud for plain roll bearing	2
44	6416	7416	Spring "	2
45	6417	7417	Sleeve "	2
46	.....	.....	3/8" x 1/2" Hollow Set Screw	2
46a	.....	.....	3/8" x 1 1/4" Hlolow Set Screw (Feed mech. side)	2
47	.....	.....	7/16" N.C. Regular Nut	6
48	6418	7418	7/16" N.C. High Nut	6
49	6419	7419	3 Knife Cutterhead	1
	6420	7420	4 Knife Head	1
50	.....		16" x 7/8" x 1/8" Thin Knives	3 or 4
		.....	20" x 7/8" x 1/8" Thin Knives	3 or 4
51	6421	7421	Knife wedge	3 or 4
52	.....		6000 — 7/16" x 1 1/2" Hol. Set Scr.	24
			6000A — 7/16" x 1 1/4" do	32
		.....	7000 — 7/16" x 1 1/2" do	30
			7000A — 7/16" x 1 1/4" do	40
53	.....	.....	5/16" x 1" Hollow Set Screws	9 or 12
54	.....	.....	S K F 6206-2Z (or equiv) Bearings	2
55	6106	7106	Bearing cover	2
56	.....	.....	7/16" Lockwasher	4
57	.....	.....	7/16" x 1 1/2 Cap Screw	4
58	6422	7422	Drive pulley	1
59	.....	.....	1/4" x 2 1/4" Key	1
60	6423	7423	Feed drive pulley	1
61	.....	.....	5/16" x 1/2" Hollow Set Screw	2
62	6424	7424	Grooved feed roll	1
63	.....	.....	SKF 1205 (or equivalent) Bearing	2
64	.....	.....	National 50606 (or equiv.) Oil seal	3
65	6425	7425	Left Hand Bearing Housing	1
66	6426	7426	Cover of L H Bearing Housing	1
67	6427	7427	Spacer bushing (L.H.)	1
68	6428	7428	Right Hand Bearing Housing	1
69	6429	7429	Cover of R H Bearing Housing	1
70	6430	7430	Keyed Bushing (R.H.)	1
71	6431	7431	Keyed Washer (R.H.)	1
72	.....	.....	5/16" x 3/4" U.S.S. Cap Screw	2
73	.....	.....	5/16" Lockwasher	2
74	.....	.....	Grooved Roller L.H. end cap	1
75	.....	.....	3/16" x 1 1/8" Steel Key	1
76	6432	7432	Sprocket for Grooved feed roller	1
77	6434	7434	Stud for Grooved roll bearing	2
78	6435	7435	Spring "	2
79	6436	7436	Sleeve "	2
80	6109	7109	Pressure bar	1
81	6437	7437	Stud for Pressure bar	2
82	6438	7438	Sleeve "	2
83	6439	7439	Spring "	2
84	.....	.....	7/16" Lockwasher	2
85	.....	.....	7/16" N.C. Regular Nut	2
N.I.	6103	7103	Base	1
N.I.	6104	7104	Left Hand Side Casting	1
N.I.	6105	7105	Hight Hand Side Casting (Slotted)	1
N.I.	6107	7107	Table Casting	1

Fig. 2	Part No.		
1	.....	Gits C-1001 Oil Cup	1
2	.....	1/4" x 1/8" Iron pipe bushing	1
3	.....	90° Malleable Iron Pipe Elbow 1/4"	1
4	.....	1/4" Wrought Iron Close Nipple	1
5	.....	12 1/2" Copper Tubling 1/4"	1
6	.....	69F or 69 x 4 Brass Fitting	2
7	7451	Feed Mechanism Main Shaft	1
8	7205	5/8" N.F. Left Hand S.F. Hex. Nut	1
9	7452	Centering Sleeve for clutch lining	3
10	7453	Special Washer	3
11	.....	3/8" N.C. Semi Finished Hexagon Nut	3
12	.....	5/16" x 1" U.S.S. Cap Screw	3
13	.....	5/16" Lockwasher	3
14	.....	3/8" x 1 1/2" Cap Screw — Nut & Lockwasher	1
15	7454	Clutch lining	1
16	7455	Clutch drum	1
17	7456	Bushings for clutch drum	2
18	.....	5/8" N.F. Semi Finished Hex. Nut	2
19	.....	5/8" Lockwasher	2
20	7457	Clutch lever shaft	1
21	7458	Clutch rod	1
22	7418	7/16" N.C. High Nut	1
23	7459	Clutch lever	1
24	7460	Bushing forclutch lever	1
25	.....	1/8" Cotter pin	1
26	7501	Planetary gear assembly	1
27	7461	Bushings for Planetary gear assembly	2
28	7462	62 T. 16 D.P. Gear	1
29	7463	Aluminum pulley	1
30	7464	Hub for aluminum pulley	1
31	.....	6203-2Z SKF (or equivalent) Bearing	2
32	7465	Bearing spacer	1
33	7466	Hub gear	1
34	.....	5/16" x 3/4" U.S.S. Cap Screw	6
35	.....	5/16" Lockwasher	6
36	.....	FA 40 or 1400 V Belt	1
37	7206	72 pitches No. 50 Chain (45" long)	1
38	7467	Tightener mounting shaft	1
39	.....	5/16" x 1/2" U.S.S. Cap Screw	1
40	.....	5/16" Flat Washer	1
41	7468	Belt tightener bracket	1
41	.....	Belt tightener bracket	1
42	7502	Belt tightener Pullel assembly	1
43	.....	1/2" N.C. Heavy S.F. Hexagon Nut	1
44	.....	1/2" Lockwasher	1
45	7469	Chain Tightener bracket	1
46	7470	Chain Tightener Sprocket	1
47	7207	Bushing for Chain Tightener sprocket	1
48	7471	Pin for Belt tightener sprocket	1
49	7208	Tension Spring	2
50	7472	Anchoring pin	2
51	.....	1/4" Thumb Nut	2
52	7473	Iron L Bracket	3
53	.....	5/16" x 3/4" U.S.S. Cap Screw	3
54	.....	3/4" Lockwashers	3