Standard Engineering Ltd.

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EC DECLARATION OF CONFORMITY OF MACHINERY / ELECTRICAL APPARATUS TO THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008 AND THE ELECTROMAGNETIC COMPATIBILITY (EMC) REGULATIONS 2006

1 Standard Engineering Ltd. of 10 Garrard Way, Telford Way Industrial Estate South, Kettering, NN16 8TD is the manufacturer of the following machine: -

2 Model 750 Finisher (Micro Finisher)

3 This machine complies with the requirements of "The Supply of Machinery (Safety) Regulations 2008" and the Machinery Directive 2006/42/EC.

4 This apparatus conforms with the requirements of EN 50081-2 in respect of Electromagnetic Emission.

5 This machine complies with the relevant essential Health & Safety requirements

6 The person authorised to sign the declaration on behalf of the Company is the Managing Director

Date of Issue: 6.1.15

Keith Malyon
Managing Director

Machine **Micro Finishing Machine (Model 750)**

Markings The machine is marked with the following: -

Name and address of manufacturer, machine series, serial number and year of manufacture.

Standard Engineering Ltd.
10 Garrard Way, Telford Way Industrial Estate South
Kettering, Northamptonshire, England, NN16 8TD

C.E. Mark: -
C.E. _____

Markings on the front flap: -

"Switch off and allow tools to stop turning before lifting the flap."

Markings at the scourer dust entrances: -

"SPARK GUARD - PLACE OVER RELEVANT VENT IF THERE IS ANY DANGER OF METAL SPARKS ENTERING THIS M/C! NO KEYS!"

Marking at the Emergency Stop button: -

"Emergency Stop"

Electrical Marking at rear of machine: -

"This machine MUST be earthed"

Electrical data: -

Phase	1	Phase	3
Volts	230	Volts	400
Amps	25	Amps	9
Load	3.88kw	Load	3.88kw
Hz	50	Hz	50

2. Markings (continued...)

(h) Speeds of cutter grinding spindle (if fitted):-

(i) 6100 rpm (on trimmer barrel shaft).

(ii) 2300 rpm (on breaster shaft).

(j) Electrical safety marking under front flap:-

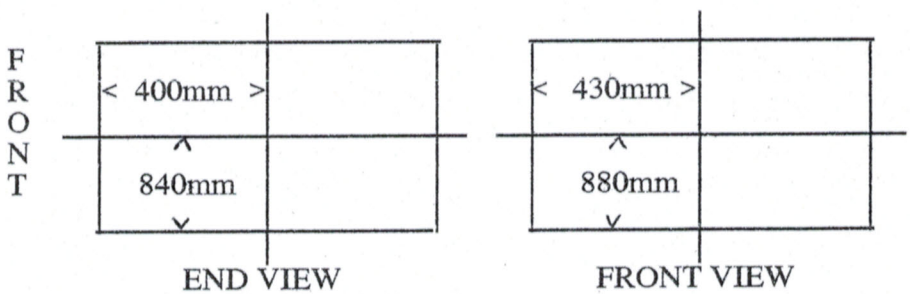
Tested for Electrical Safety.

3. Handling.

3.1 Mass of Machine:-

250 Kg.

3.2 Centre of Gravity:-



3.3 Handling Method:-

(a) Push back the front of the machine at a point above the centre of gravity to lift the front base, and insert a lifting device under one end of the machine.

(b) Use lifting device to raise one end of machine and insert roller.

(c) For short distance movement push at end of machine on roller/s. For longer distance movement insert wheeled trolley or set of corner wheels, and remove roller/s.

(d) When in position required, reverse the above procedure.

4. Commissioning.

4.1 The machine shall stand firm and level. Use suitable packing material as necessary.

4.2 Position machine at least 200mm from a wall to enable the filter bag to remain clear of the wall when inflated.

4.3 The machine shall be connected by a competent person to the electrical power supply and earthed through a suitable lockable isolator conforming to IEC 204/EN 60204. The electrical data are given on a plate attached to the rear of the machine and are as follows:-

Machine with Manual Brush & Pad Turret:-

	1 Phase	3 Phase
Volts	230 V	400 V
Amps	16 amps	
Hz	50 Hz	50 Hz

4.4 External electrical conductors are colour coded as follows:-

1 Phase			3 Phase		
Earth	-	Green/Yellow	Earth	-	Green/Yellow
Neutral	-	Light Blue	Live	-	Brown
Live	-	Brown	Live	-	Black
			Live	-	Blue

Internal conductors are colour coded as follows:-

Earth	-	Green/Yellow
Neutral	-	Light Blue
Live Power Circuit	-	Black
Live Control Circuit	-	Red

4.5 For 3 Phase machines only, check for correct mains phase connection by testing the direction of the scouring bands. The motor shall be switched on and off sufficient only to allow the bands to rotate. Bands should be moving towards the operator when viewed from above.

5. Machine Data

5.1 The machine is designed for use in the Manufacture and Repair of Footwear, Orthopaedic Footwear, and Leather and Imitation Leather Goods.

5.2 The machine is generally as fig. 1

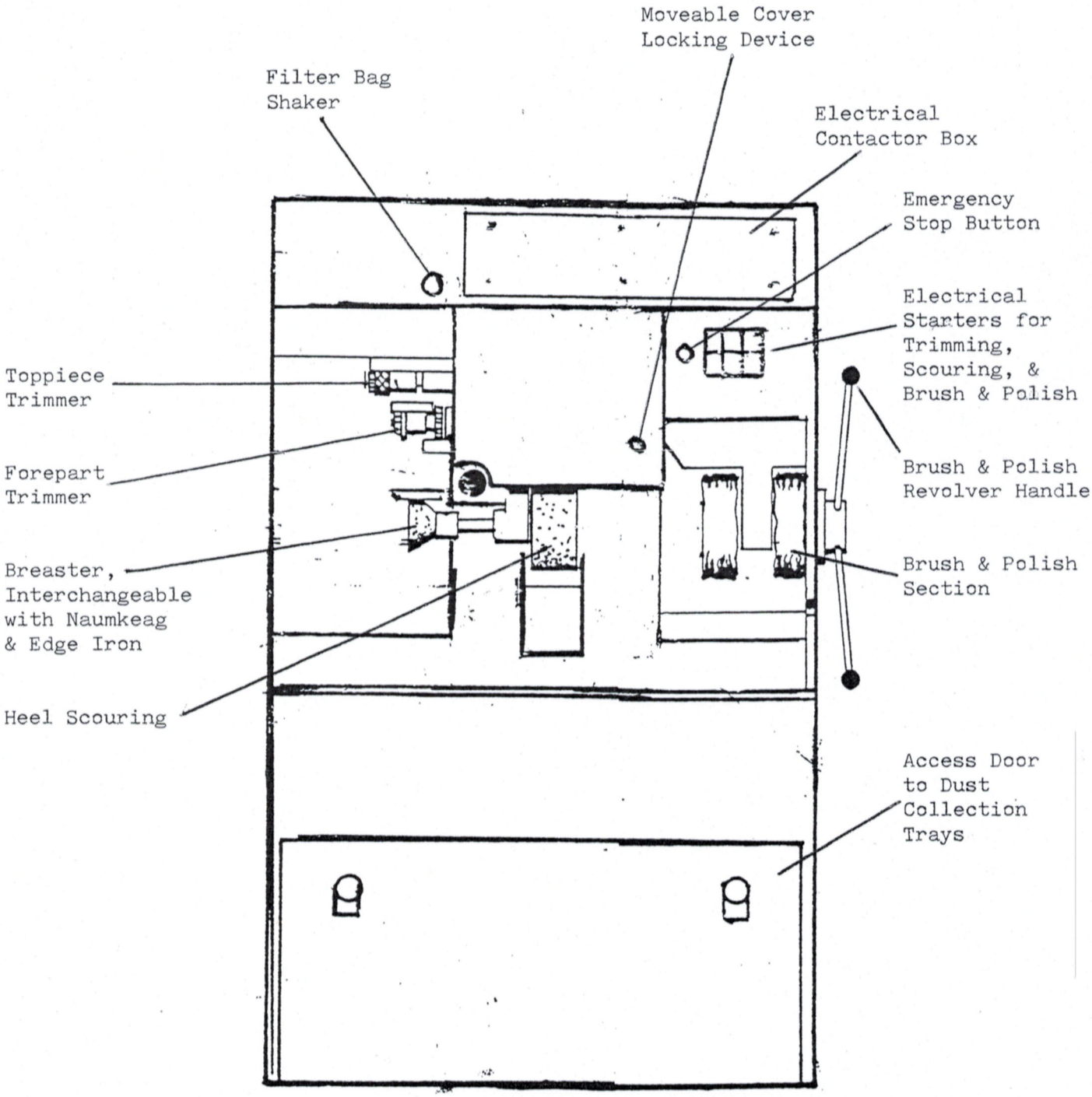


Fig. 1

5. Machine Data (continued...)

5.3 The machine is fitted with safety devices and guards as shown in fig. 2.

THE MACHINE SHALL ONLY BE USED WITH ALL SAFETY DEVICES AND GUARDS IN PLACE AND FUNCTIONING.

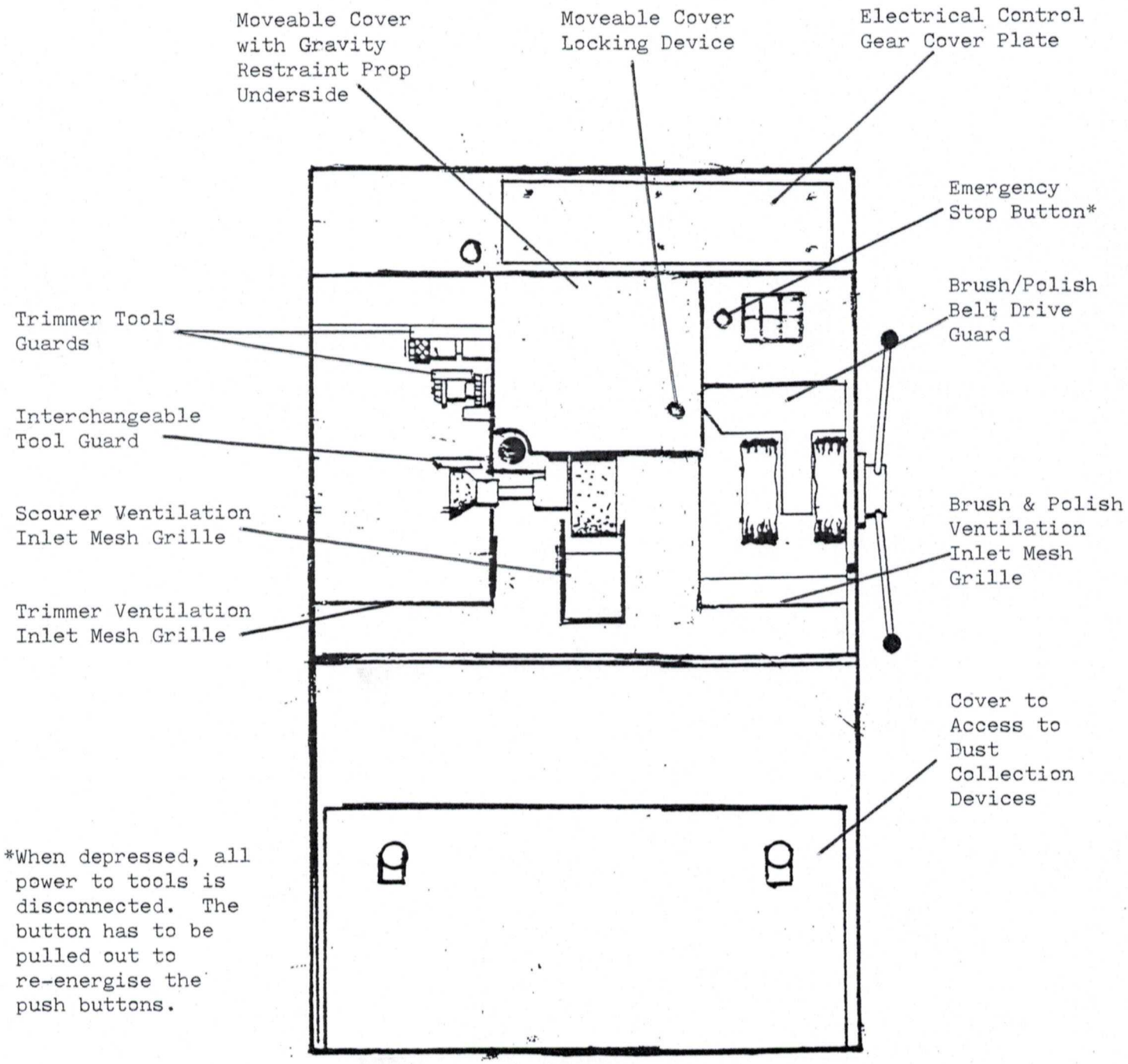


Fig. 2

5. Machine Data (continued...)

5.4 Noise measurements carried out in accordance with ISO 3744, in an essentially free field over a reflecting plane, with all tools operating and the dust extraction system operating with all ducts open, without an operator, give the following noise emission value at a point 1.6 metres high and 1 metre from the centre line of the machine - 79 dB(A).

5.5 The dust extraction system provides an air flow velocity at the face of each dust capturing duct, when all ducts are open and all tools are operating, as follows:-

Trimmer Section	-	8.0 metres per second.
Scouring Band	-	7.5 metres per second.
Polishing Section	-	3.0 metres per second.

For safe control of dust created, the C Standard for Shoe Repair Machinery requires a minimum air flow velocity at each duct of

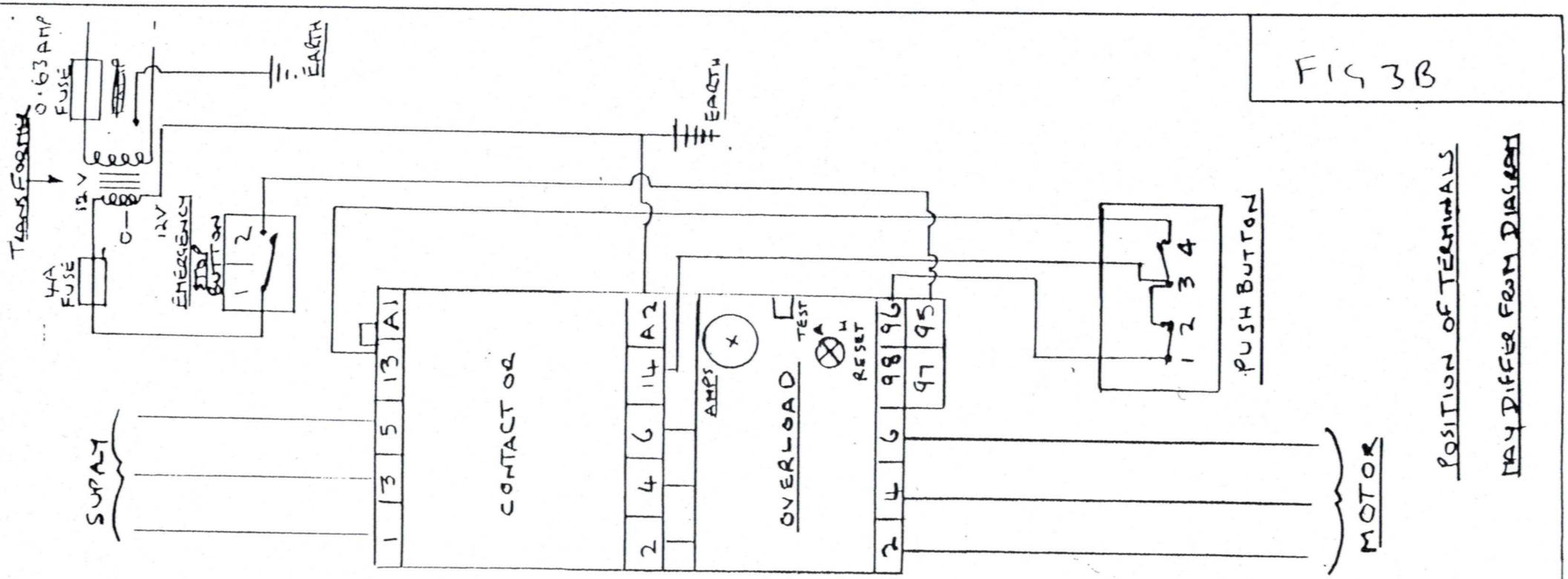
5.6 The machine has been electrically tested for:-

(a) Continuity of protective bonding circuit.

(b) Insulation resistance.

(c) Function.

FIG 3B



		THE FOLLOWING APPLY UNLESS OTHERWISE STATED	
		TOLERANCES	MACHINE FINISH
		METRIC WHOLE mm	FINISH
		METRIC 1 DEC PLACE	TRACED
		ANGLES	DRAWN
REVISION	SIG. & DATE	This drawing is the property of Whitfield Wylie Limited. It is confidential and must not be lent or copied except by written consent of the said Company.	DATE
			SCALE
			3RD ANGLE PROJECTION

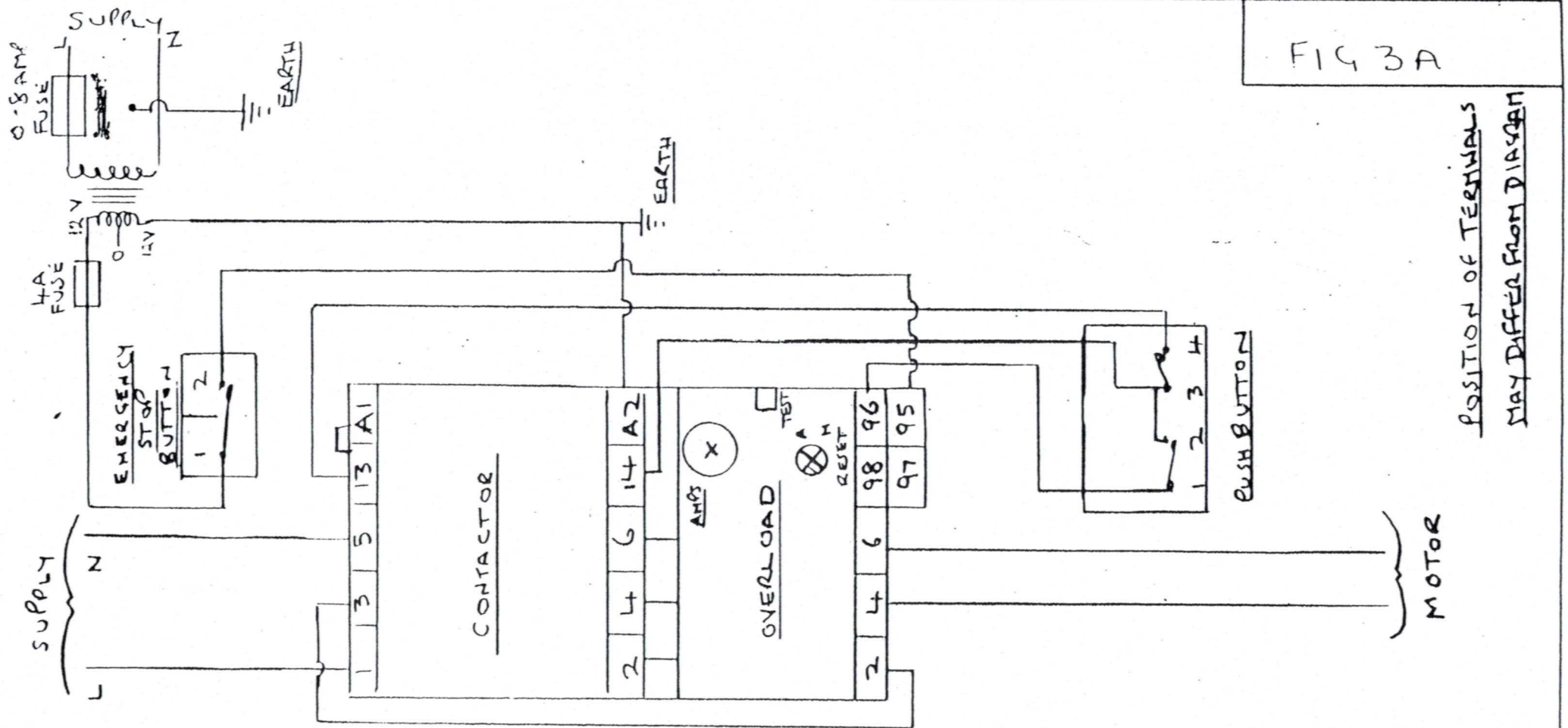
PART No. M/C TITLE 750 FIN M/C
700 COMBI PLUS
18 BAND SCOURE
700X M/C

MATERIAL
MACHINES WITH 24 VOLT CONTROL CIRCUIT

TITLE WIRING DIAGRAM 3 PHASE

WHITFIELD WYLIE LIMITED
KETTERING ENGLAND

FIG 3A



POSITION OF TERMINALS MAY DIFFER FROM DIAGRAM

REVISION	SIG. & DATE

THE FOLLOWING APPLY UNLESS OTHERWISE STATED

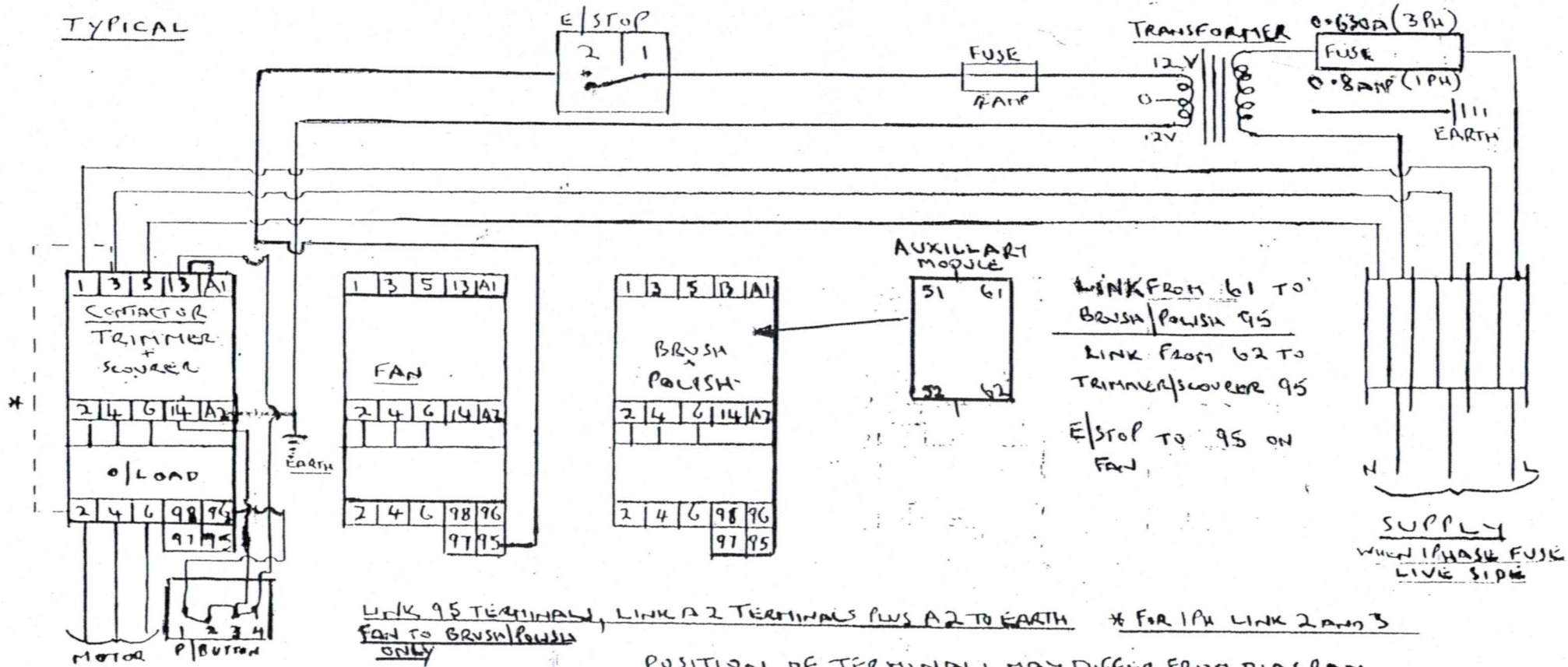
TOLERANCES	MACHINE FINISH
METRIC WHOLE mm	FINISH
METRIC 1 DEC PLACE	TRACED
ANGLES	DRAWN
	DATE
	SCALE
	3RD ANGLE PROJECTION

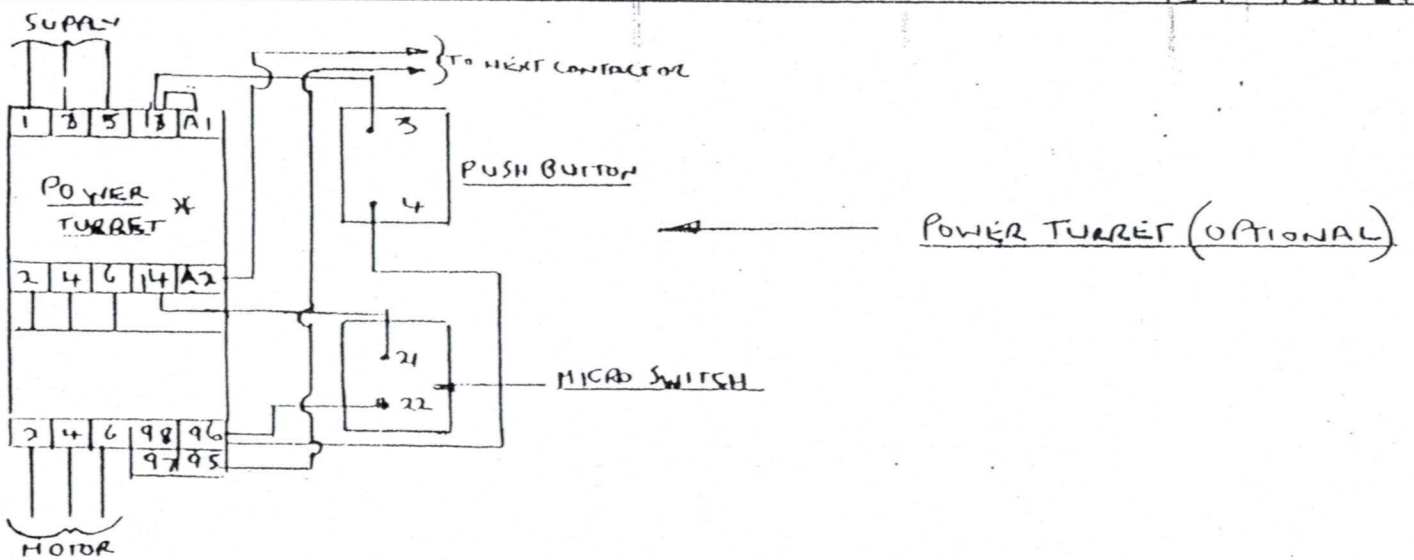
PART No.
M/C TITLE 750 FIN M/c
700 COMBI PWS
18 B, SCOURER
700X M/c

MATERIAL
M/C WITH 24V CONTROL CIRCUIT

TITLE
WIRING DIAGRAM 1 PHASE

WHITFIELD WYLIE LIMITED
KETTERING ENGLAND





WIRING DIAGRAM FOR MACHINES WITH 24 VOLT CONTROL CIRCUIT

750 SP M/C

6. Use of Machine.

6.1 Manual Controls - mechanical which can be operated when mechanism running or stationary (see fig. 5).

(a) Toppiece Cutter Guide.

(b) Adjustable Sole Trimmer Adjustment Lever.

(c) Band Alignment Screw.

(d) Brush and Pad Turret Positioning Handle.

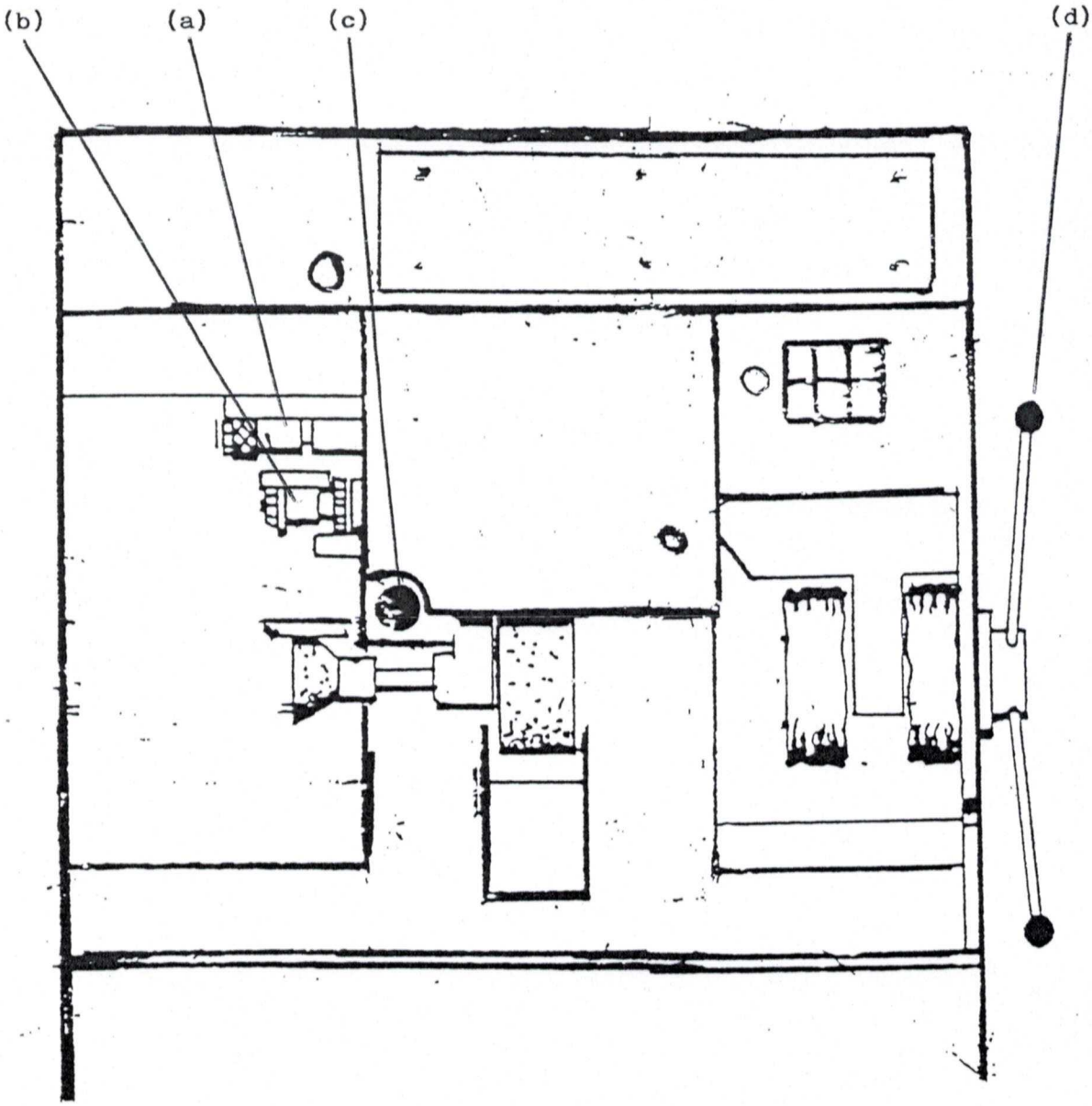


Fig. 5

6. Use of Machine (continued...)

6.2 Manual Controls - mechanical which shall be operated only when machine is switched off (see fig. 6).

(a) Tommy Bar locating hole for Breasting Cone/Naumkeag/Edge Iron removal.

(b) Fron door release latches.

(c) Dust drawer sealing levers (in 'sealed' position). HORIZONTAL

(d) Filter bag shaker.

(e) Band Tension Release Lever (ensure front flap is lifted and secured with gravity restraint).

(f) Upper waste tray.

(g) Main waste tray.

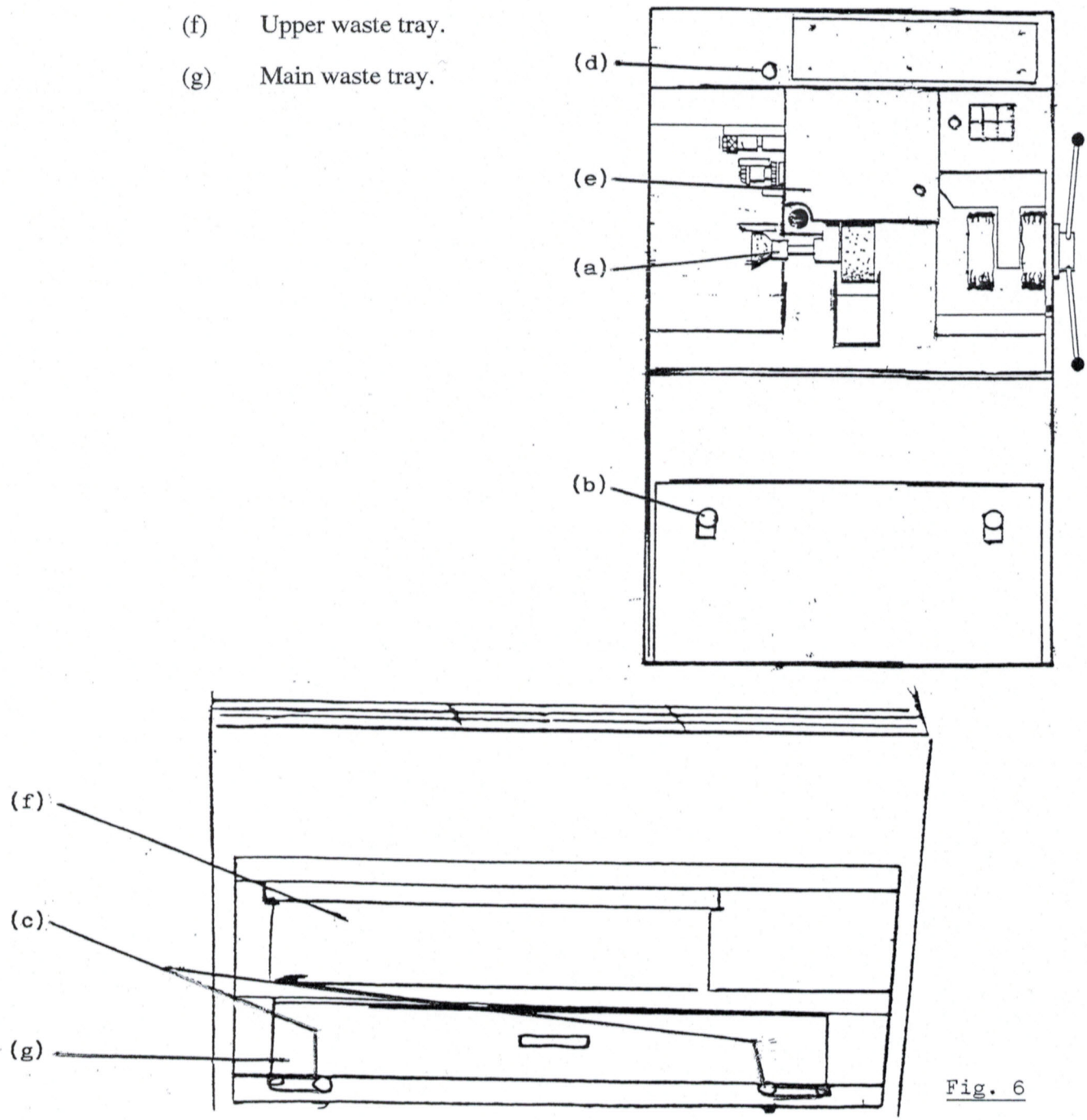


Fig. 6

6. Use of Machine (continued...)

6.3 Manual Controls - Electrical (fig. 7).

(a) Trimmer/Scourer)
) The upper green push button activates the tool.
(b) Fan)
)
) The lower red push button stops the electrical power to the tool.
(c) Brush & Polish)

Note: Electrical Power to Trimmer/Scourer Drives is cut off when Brush & Polish Drive is switched on. To reactivate Trimmer/Scourer Drives, switch off Brush & Polish Drive.

(d) Emergency Stop Button - In case of emergency, push emergency stop button which immediately cuts off electrical power to all tool drives.

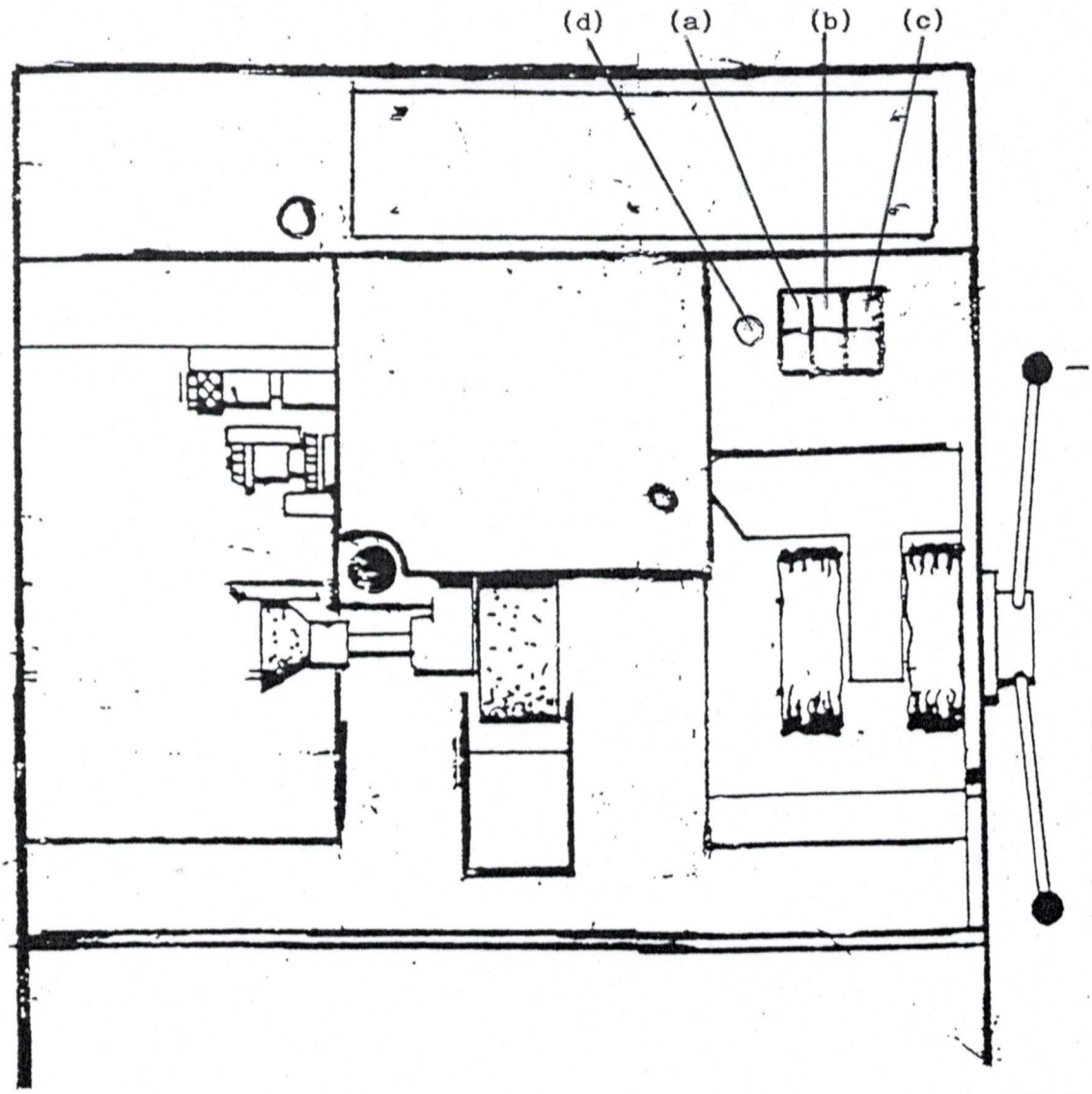


Fig. 7

6. Use of Machine (continued...)

+ 6.3 Risks not eliminated by the safety devices provided:-

-Injury from exposed parts of abrasive bands, trimming tools, breasting cone, naumkeag, brushes and pads while in motion due to friction, abrasion, drawing-in, entanglement, trapping, cutting, severing, crushing and shearing. Note that the wearing of loose clothing including sleeves and ties should be avoided. Long hair should be controlled.

-Fire due to incandescent particles or molten material igniting dust within the dust extraction system. Note that this risk can be reduced by closing the dust flaps under the scouring tools when incandescent particles and/or molten materials are being produced.

-Eye injury from particle ejection from abrsive tools, etc. Note - the wearing of suitable eye protection is recommended.

+ **YOUR ATTENTION IS DRAWN TO RESIDUAL HAZARDS NOT ELIMINATED BY SAFETY DEVICES - see Section 6.3.**

6.4 Ensure that the machine is switched off at the mains isolator when not in use. Failure to do this may result in damage to the machine control circuit.

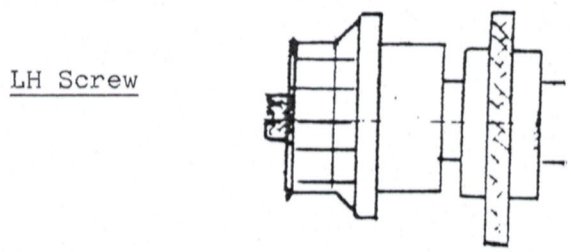
ADJUSTMENT AND MAINTENANCE

ALWAYS ENSURE MACHINE IS SWITCHED OFF AND ISOLATED BEFORE CARRYING OUT ANY ADJUSTMENT AND MAINTENANCE WORK, I.E. BAND CHANGING, BREASTER, NAUMKEAG, TRIMMER CUTTERS, DUST REMOVAL, FILTER BAG CHANGING, BRUSH, PAD AND EDGE IRON REPLACEMENT.

1. TRIMMING SECTION.

   (a) The Forepart Trimmer (see fig. 8) is fitted on a bayonet and can be removed by turning in a clockwise direction. Replace cutter by removing the left-hand binding screw, and withdrawing from expanding thimble. Reassemble new cutter using reverse procedure. Asssemble onto machine in anti-clockwise direction.

   (b) The Toppiece Trimmer (see fig. 8) has an edge guard (a) which is adjustable. It also has a sliding guide (b) which is adjustable to heel widths whilst machine is running. To remove cutter, take off edge guard (a), loosen and remove left-hand binding screw and washer.



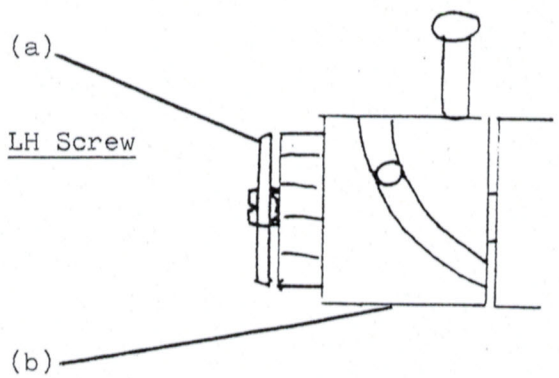


Fig. 8

1. TRIMMING SECTION (continued...)

(f) Cutter Grinding (see fig. 10). Remove the Forepart Trimmer bayonet fitting and replace with the sharpening stone on a bayonet fitting and guard (supplied in the kit). Fit post and slide (a) to machine and place the cutter on the post. Adjust to suit and sharpen each tooth individually (on machines with optional Adjustable Forepart Trimmer this operation is carried out on the Heel Breaster Section).

CUTTER GRINDING

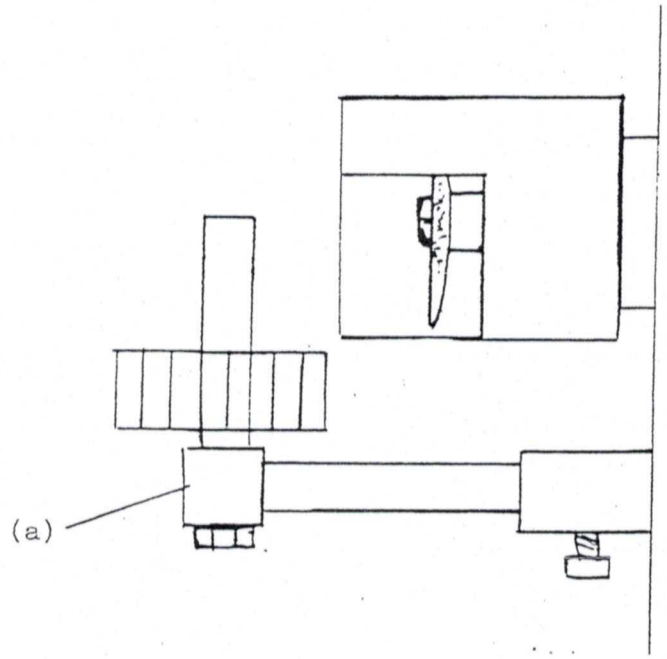
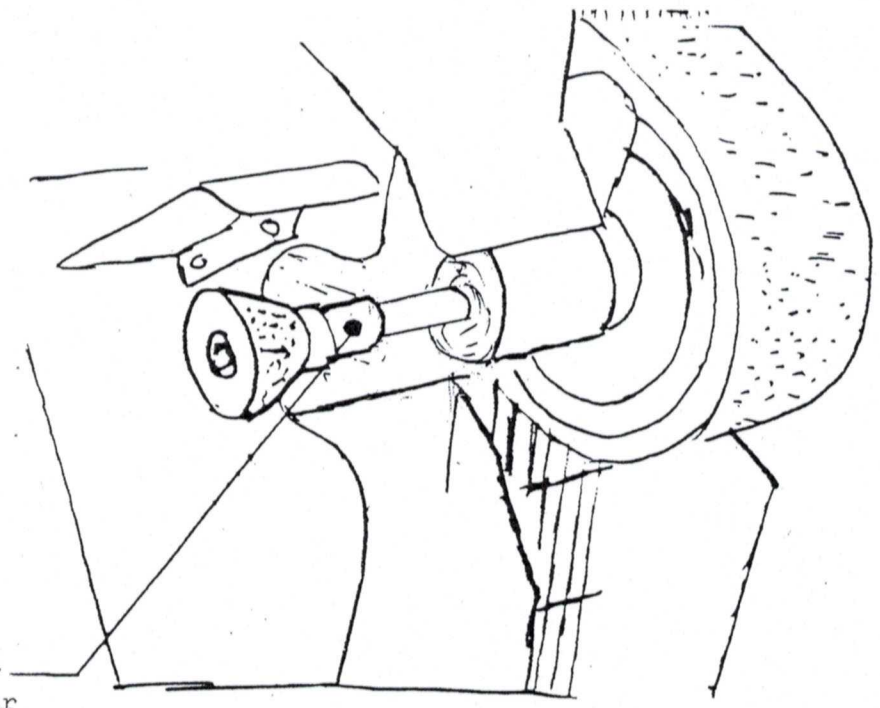


Fig. 10

(g) Interchangeable Naumkeag/Edge Iron/Heel Breaster (see fig. 11) is mounted on a bayonet fitting. To remove hold the shaft with tommy bar (in it), loosen and remove left-hand binding screw and withdraw. Replace by same procedure.



THE HEEL BREASTER

Fig. 11

2. SCOURING SECTION (see fig. 12).

(a) Scouring Bands. To change the band, lift the front cover and secure by means of flap prop. Pull tension lever (a) forward. Slip the band off the driving pulley and contact wheel (b). Replace band, ensuring it will run in the same direction as arrow printed on inside of the band. Re-tension the band by releasing the tension lever (a). Lower the front cover and spin band by hand to ensure that there is approximate band alignment. Switch on machine and adjust band alignment by means of adjusting screw (f in fig. 5) using special key in kit.

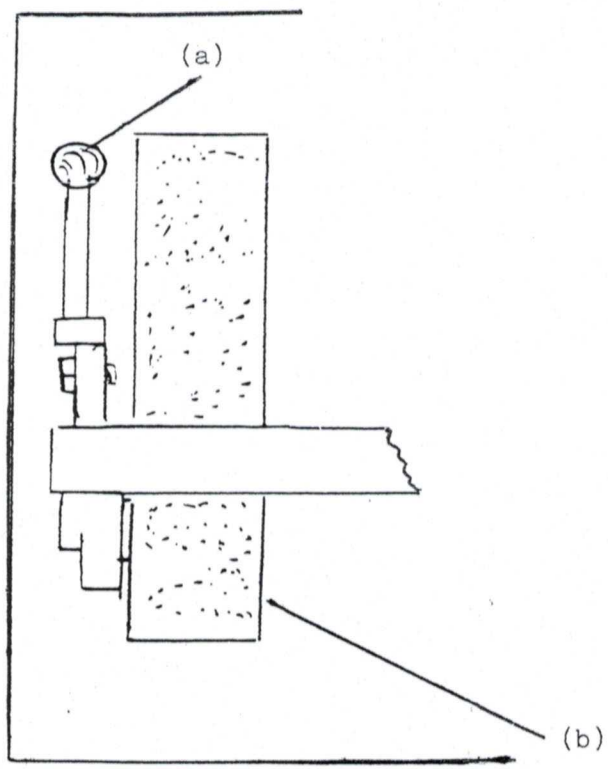


Fig. 12

ADJUSTMENT OF SCOURING BANDS

3. BRUSH AND PAD SECTION.

(a) Manual Turret selection of brush and pad is made by the handle (fig. 5g) on the right-hand end of the machine. Revolve the handle to select the colour brush and pad required. This operation can be carried out whilst machine is running.

4. DUST EXTRACTION - FILTER SYSTEM.

(a) Dust Extraction Flaps are opened and closed by hand levers (fig. 2). The Brush and Pad Section ha a hinged flap below the tools which can be opened and closed by the knob provided.

(b) The Filter Bag Shaker is situated at the top of the machine adjacent to the Naumkeag motor. To operate, first switch off machine, then remove the knob from its support and pull vigorously a few times. This will allow dust to fall into the dust collection box and will have an influence on the dust extraction. **USE REGULARLY** during each day.

(c) The Dust Collection Trays are situated behind the access door (fig. 1) in the base of the machine. **These shall be emptied daily**.

Remove the front access door and remove waste tray (fig. 6f), which is for large waste pieces which fall through the upper grille. Empty and replace.

To remove waste tray (fig. 6g), release sealing levers (fig. 6c) by moving through 180°. This will release the tray from the rubber seal and allow it to be withdrawn. Empty and replace by the same procedure.

(d) The Filter Bag System is located at the back of the machine and is arranged so that dust from the extraction system blows into the bag and falls into the lower dust collection tray. When it becomes necessary to replace the filter bag, access to the back of the machine will be required. Remove bag shaker mechanism, remove filter bag inlet from exhaust outlet of machine, remove filter bag from waste collection frame by loosening and removing the (12) wing nuts. Withdraw bag and wooden frame complete. Remove wooden frame from old bag and staple or glue to new bag. Replace by the same procedure.

Micro Finisher (750)

Scouring

WA14758	1500mm x 75mm x 24Grit Scouring Band
WA16995	Spira Band on brush section 80G 35 X 440
POW183330323	Naumkeag Cap 90.G60
POW144705338	Naumkeag Rubber
WA14767	Breaster Cone 50x20x40 60G

Optional Scouring Items

WA14732	Mini Band 25 x 600 x 80 Grit (if mini band fitted)
WA14772	Mini Roll 80G 45mmdiax25mmwide (Spira-Roll)

Cutters

WA06033	3mm C374-1C-45 CZA-366E Cutter (6 Iron)
WA06036	5mm C374-1C-45 CZA-266E Cutter (10 Iron)
WA06040	8mm C374-1C-45 CZA-278E Cutter (16 Iron)
WA06042	10mm C374-1C-45 CZA-284E Cutter (20 Iron)
	(Other sizes available - up to 14mm)
POW202001806	18mm Steel Heel Cutter
WBFM4417CPTE	New Style TCT Groover (complete) on short bayonet
WA06137ASS	WBAZ 451 TCT Groover Cutter Blade (new spec)

Brushes / Pads / Contact Wheels etc

GOT89999026	WBAZ 385 Machine Brush
WA06139	WBAZ 414 Linen Waist Pad
WA06104	WBAZ 238 Cotton Mop
WA06153	WBAZ 419 Contact Wheel - 75mm

Dustbags

WA09075	Dustbag
WA09129	Dustbag – Fire Retardant