



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET FOR TRACTOR OPERATED M.B. PLOUGH

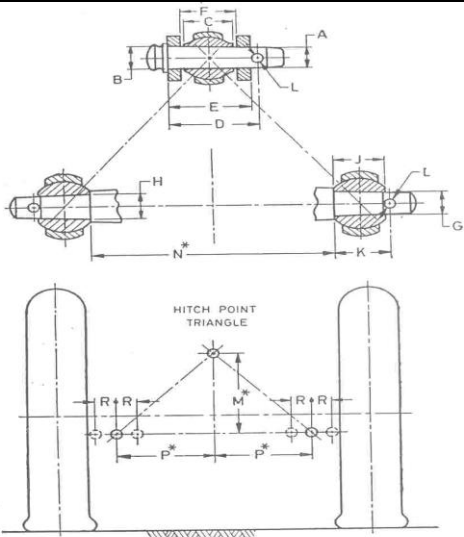
1	General		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Name of machine	:	
	Type of Implement	:	
	Make	:	
	Model	:	
	Serial No	:	
	No. of bottom, mm	:	
	Year of Manufacture	:	
	Recommended power source	:	
	Power source required, kW	:	
2	Frame:		
	Constructional Details:		
	a)	Dimensions, mm	
	i)	Length	:
	ii)	Width	:
	Number & size of holes on frame for fixing standard, mm	:	
3	Standard:		
	a)	Numbers	:
	b)	Material	:
	c)	Type	:
	d)	Dimensions, mm	
		- Projected length	:
		- Curved length	:
		- Width	-At end : -At middle :
		- Thickness	:
	e)	No., size & spacing of holes	:

		for fixing frog, mm		
	f)	No. & size of holes for fixing to the frame	:	
	g)	Method of fixing	:	
4	Plough Bottoms:			
	a)	Numbers	:	
	b)	Type	:	
	c)	Size of plough, mm	:	
	d)	Vertical suction, mm	:	
	e)	Horizontal suction, mm	:	
	f)	Constructional details	:	
4.1	Mould Board:			
	a)	Numbers	:	
	b)	Type	:	
	c)	Material	:	
	d)	Dimensions, mm:-		
		- Length	:	
		- Width	:	
		- Thickness	:	
	e)	No & size of hole on mould board, mm	:	
	f)	Method of fixing mould board	:	
4.2	Share:			
	a)	Type	:	
	b)	Constructional details	:	
	c)	Method of fixing share to the bottom	:	
	d)	No & size of holes on share, mm	:	
	e)	Dimensions, mm	:	
4.3	Share bar (Bar-point):			
	a)	Type	:	
	b)	Material	:	
	c)	Dimensions, mm	:	
4.4	Shin of mould board:			
	a)	Numbers	:	
	b)	Material & thickness mm	:	
	c)	Dimensions, mm	:	
	d)	No & size of hole on shin for fixing on frog	:	
4.5	Landside:			

	a)	Numbers	:	
	b)	Material	:	
	c)	Dimensions, mm:		
		- Length & Thickness	:	
	d)	No & size of hole on landside, mm	:	
	e)	Method of fixing landside to frog	:	
4.6	Braces		:	
	a)	No. of braces		
	b)	Material & size, mm		
	c)	Dimensions, mm		
		- Projected length		
	d)	No. & size of hole on each brace, mm		
	e)	Method of fixing		
4.7	Frog:			
	a)	Numbers	:	
	b)	Material & thickness, mm	:	
	c)	Dimensions, mm	:	
	d)	No. & size of holes on frog, mm	:	
	i	-for mould board	:	
	ii	-for share	:	
	iii	-for standard	:	
	iv	-for landside	:	
	v	-for shin	:	
5	Reversing Mechanism:			
	a)	Type	:	
	b)	Mode of operation	:	
5.1	Reversing lever (For Mechanical type plough)			
	a)	Number	:	
	b)	Material	:	
	c)	Dimensions, mm	:	
		Projected/curve length	:	
		Diameter, mm	:	
		Method of fixing	:	
5.2	Reverse lever (For Mechanical type plough)			
	a)	Number		
	b)	Material		
	c)	Size, mm		
	d)	Dia. of reverse lever holder pin hole (mm)		

	e)	Dia. of reverse lever holder hole (mm)		
	f)	Method of fixing		
5.3	Reverse lever lock pin pipe: (For Mechanical type plough)			
	a)	Constructional detail	:	
	b)	Material	:	
	c)	Size, mm	:	
5.3.1	Reverse lever lock pin: (For Mechanical type plough)			
	a)	Material	:	
	b)	Size, mm	:	
		Size of square portion	:	
		Size of extended portion	:	
5.3.2	Reverse lever pin spring: (For Mechanical type plough)			
	a)	Number of spring	:	
	b)	Length of spring, mm	:	
	c)	Dia. (OD/ID), mm	:	
	d)	No. of coils	:	
	e)	Method of fixing	:	
5.4	Main Shaft:			
	a)	Constructional details	:	
5.5	Cam:			
	a)	Material	:	
	b)	Dimensions, mm		
	i)	Total length	:	
	ii)	Effective length	:	
	iii)	Thickness	:	
	iv)	Size of cam pin	:	
	v)	Size of linch pin hole on cam pin	:	
5.6	Hydraulic Cylinder: (For Hydraulic type plough)			
	a)	Type	:	
	b)	Size of cylinder, mm	:	
	c)	Size of high pressure pipe line fitted on the cylinder, mm	:	
	d)	Size of connecting arm, mm	:	
	e)	Stoke length, mm	:	
5.7	Distributor: (For Hydraulic type plough)			
	a)	Type	:	
	b)	Overall size, mm	:	
	c)	No. and size of hose pipes between tractor and distributor, mm		
6	Hitch Pyramid			

a)	Type	:		
b)	Constructional details	:		
c)	Size of upper hitch, mm	:		
d)	Size of Cross bar, mm	:		
Specification of Hitch Pyramid As per IS: 4468 (Pt-I)-1997 (Reaffirmed in 2001)				
Sr. No.	Notations	As per IS:4468-2001 (Cat-I/Cat-II), mm	As measured, mm	Remarks
I	Upper hitch point			
a)	Diameter of hitch pin (A)	18.92 to 19.00/ 25.37 to 25.50		
b)	Diameter of hitch pin hole (B)	19.3 to 19.5/ 25.70 to 25.91		
c)	Linch pin hole distance (D)	76/93 (Min.)		
d)	Width between outer faces of yoke (E)	69/86 (Max.)		
e)	Width between inner faces of yoke (F)	44.5/52 (Min.)		
II	Lower hitch points			
a)	Diameter of hitch pin	21.80 to 22.01/ 27.8 to 28.0		
b)	Diameter of hitch pin hole (H)	22.40 to 22.65/ 28.70 to 29.00		
c)	Linch pin hole distance (K)	39/49 (Min.)		
III	Diameter of linch pin hole			
a)	Upper hitch pin (L)	12/12 (min.)		
b)	Lower hitch pin (L)	12/12 (min.)		
IV	Mast height (M)	458.5 to 461.5/ 608.5 to 611.5		
V	Lower hitch point spans (N)	681.5 to 684.5/ 823.5 to 826.5		

	 <p>Fig. 1 Specifications of hitch pyramid</p>		
8	Overall dimensions, mm :		
	a)	Length	:
	b)	Width	:
	c)	Height	:
9	Total mass, kg		:
10	Colour of implement		:

Place:

Date:

Signature: _____

Name: _____

Designation: _____