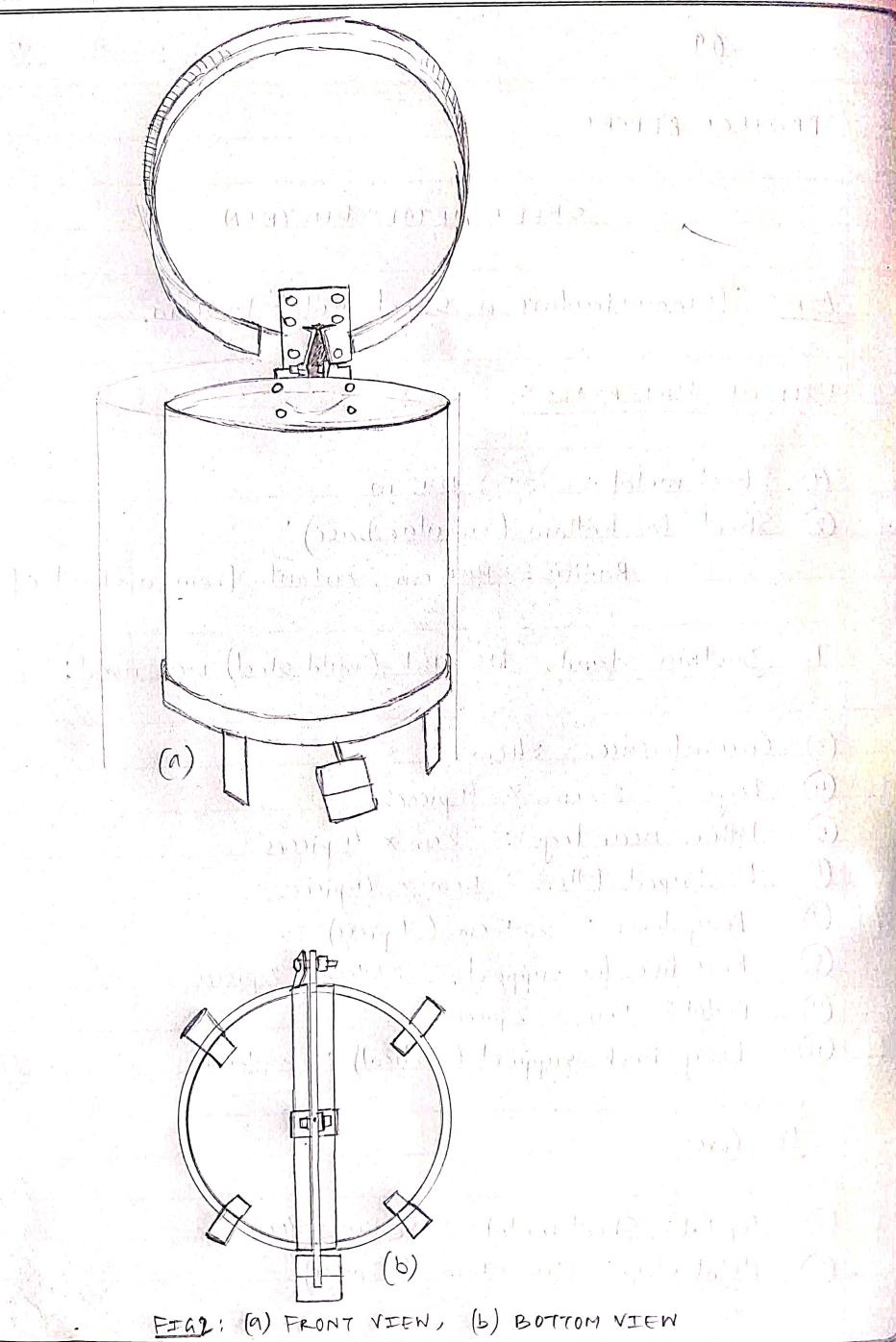


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PROJECT REPORT		
SHEET METAL >	USTBIN	
AIM: Tomanufacture a Sheet M	letal Dustbin.	
BILL OF MATERIALS;		
1) Sheet metal: 32.5 x 12.5 in 2) Sheet for bottom (circular ba	$\langle c_{c} \rangle$:	
	utout from a sheet of 31cm×31cm	
For Dustbin Stand, Ms flat (m	ild steel) was used:	
3 Circumference = 84cm		
(4) Legs: 8.2cm × 4 pieces (5) Fitters near legs: 2cm × 4	pieces	
(b) L-shaped fitters: 5cm × 4, (7) Long lever: 33.5cm (1 piece	e)	
(8) Base line for support: 26.50 (9) Pedal: 5cm x 2 pieces		
10 Long back support (vertical)	1.133.2 cm	
For Cover:		
(12) Metal strip: 81cm × 5cm (1) pi	ece)	
	Teacher's Signature:	

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	(13) Metal strip: 22.5cm x 5.5cm (Ipiece)
	(4) Metal strip: 20cm x 6.5cm (Ipiece)
	(15) Metal strip: 6cm x 4cm (2 pieces)
	(16) Nut and both (3pieces)
	(1) Washer (3 pieces)
	(18) Hinge (I piece)
	(19) Rivets (17 pieces)
	700LS: REQUIRED:
	1) Hammer
	2) Mallet
	3) Drilling machine
	(4) Grinding machine
116	(5) Shear
	6 Rolling machine
	7 Circular saw
100	(8) Vice grip
	(a) Welding torch.
	PROCEDURE:
	First, a rectangular sheet metal piece of dimensions 32.5in x
	12.5 in was cut using a shear which acted as the lateral surface
	of the dustbin.
2	The base of the dustbin was prepared by cutling the sheet meta
1	Teacher's Signature:

Expt. No. 09 Page No. 6 In a circle of radius about 13,37 cm tom after marking it using a divider. Multiple strips of mild steel flat were prepared using the Circular Scale where the longest one (of length 84cm) was made circular using the Rolling machine for the base 4 of the smallest ctrips and the two strips for the supports were drilled at specific spots for fitting the nut and bott and 4 & shaped ctrips were prepared by fixing them in vice grips and then hammering them into shape accordingly. Here, two of them with were doilled at the centre for pre filling the nut and bott. The entire assembly of strips was welded together as in the figures, Later, the top lid was prepared similarly like the base having a radius of 14cm. Another metal strip of dimensions 81cm x 5cm was fitted peripen-(8) dicularly on the top lid. The hinge and the rest of the smaller metallic strips were used to prepare the pedal mechanism of the dustbin. Teacher's Signature:____

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	PRECAUTIONS:	
(1)	Care was taken to handle the sheet metal articles carefully so as not to get injured in any way.	
2	Heavy duty glorec were used when using the mallet, hammer, throughout the manufacturing process.	
3	Special care was taken while handling the circular saw and when welding the base support.	
(<u>U</u>)	The drilling and rolling machine were used only under rareful cupervision.	
	CONCLUSION: A sheet metal dust bin was manufactured successfully	
,		
1.7		
	Fare 18 (Agriculture Art. Art.)	
	Teacher's Signature :	