

AccessionIndex: TCD-SCSS-U.20121208.035
 Accession Date: 8-Dec-2012
 Accession By: Prof.J.G.Byrne
 Object name: Planimeters and Proportional Dividers
 Vintage: c.19xx
 Synopsis: Sliderules.

Description:

Text ...

Photographs courtesy Prof.J.G.Byrne and Dr.Arthur Hughes.

The homepage for this catalog is at: <https://www.scss.tcd.ie/SCSSTreasuresCatalog/>
 Click '*Accession Index*' (1st column listed) for related folder, or '*About*' for further guidance.

Accession Index	Location	Vintage	Object and Identification
TCD-SCSS-U.20121208.035.01		c.19xx	<Mfgr?> <model?> sliderule. S/N: <???
TCD-SCSS-U.20121208.035.02		c.19xx	
TCD-SCSS-U.20121208.035.03		c.198x	
TCD-SCSS-U.20121208.035.04		c.198x	
TCD-SCSS-U.20121208.035.05		c.19xx	
TCD-SCSS-U.20121208.035.06		c.198x	
TCD-SCSS-U.20121208.035.07		c.198x	
TCD-SCSS-U.20121208.035.08		c.19xx	
TCD-SCSS-U.20121208.035.09		c.198x	
TCD-SCSS-U.20121208.035.10		c.198x	
TCD-SCSS-U.20121208.035.11		c.19xx	
TCD-SCSS-U.20121208.035.12		c.198x	
TCD-SCSS-U.20121208.035.13		c.198x	
TCD-SCSS-U.20121208.035.14		c.198x	
TCD-SCSS-U.20121208.035.15		c.19xx	
TCD-SCSS-U.20121208.035.16		c.198x	
TCD-SCSS-U.20121208.035.17		c.198x	

The following instruction manuals are properly part of the literature category of this catalog, but are listed here too for convenience.

Accession Index	Object with Identification
TCD-SCSS-V.20121208.???	

References:

1. Authors, *Title*, Publication, Publisher, Date.
2. Authors, *Title*, Publication, Publisher, Date.
3. Authors, *Title*, Publication, Publisher, Date.



Figure 1: TCD-SCSS-U.20121208.035-fig01



Figure 2: TCD-SCSS-U.20121208.035-fig02

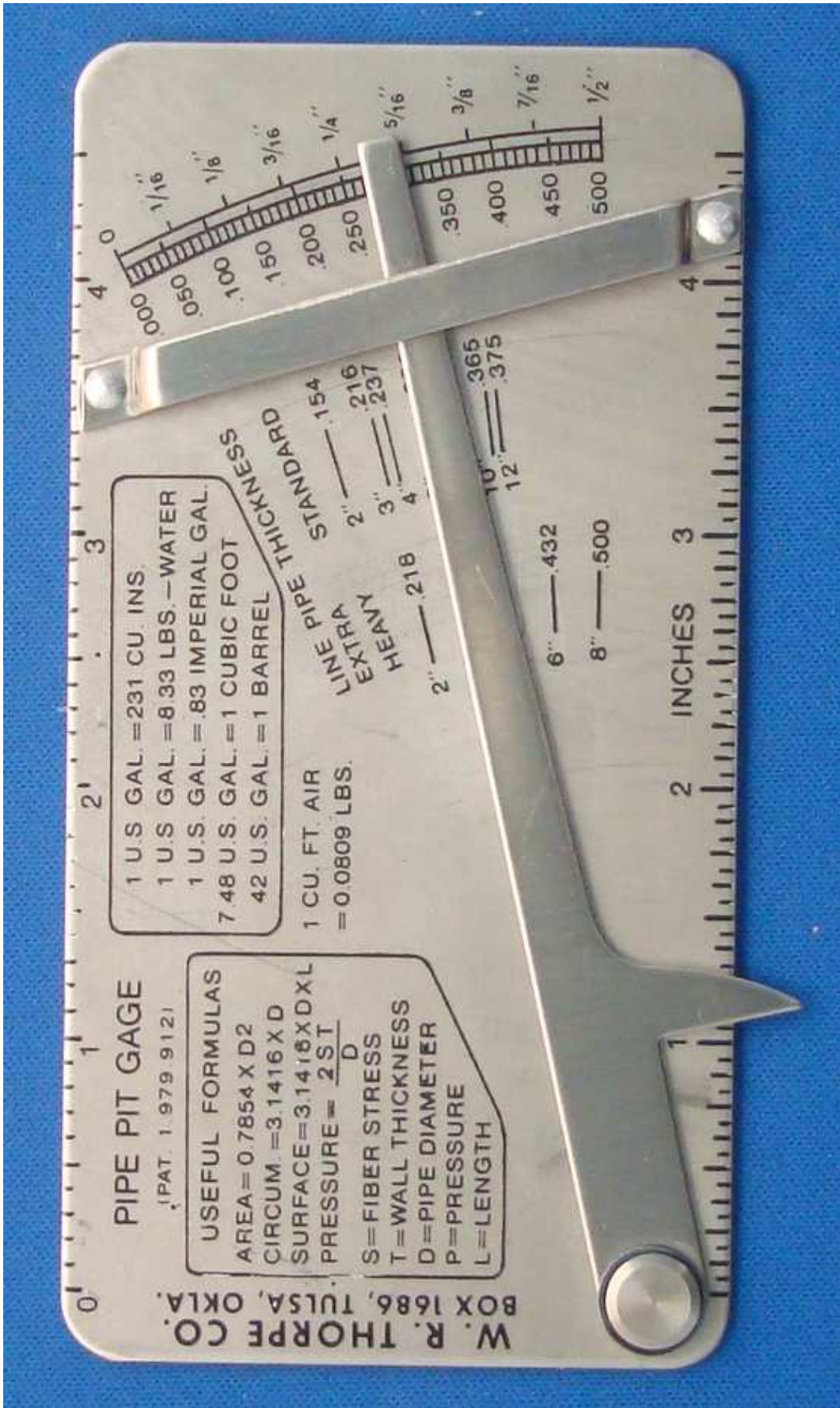


Figure 3: TCD-SCSS-U.20121208.035-fig03

STD. LINE PIPE

NOM. INAL. SIZE	OUT-SIDE DIAM.	WALL THICKNESS	WEIGHT PER FOOT	CAPACITY		B W GA
				BBLS. / 100 FT.	BBLS. / MILE	
2	2.375	154	3.652	414	21.9	5-0 501
2 1/2	2.875	203	5.793	593	31.3	4-0 454
3	3.500	216	7.575	914	48.3	3-0 425
4	4.500	237	10.790	1,574	83.1	2-0 380
5	5.563	258	14.617	2,474	130.6	0 340
6	6.625	280	18.974	3,574	188.7	1 300
8	8.625	322	28.554	6,188	326.7	2 284
10	10.750	344	38.20	9,835	519.3	3 259
10-	10.750	365	40.483	9,753	514.9	4 238
12	12.750	344	45.557	14,133	746.2	5 220
12	12.750	375	49.562	13,988	738.6	6 203
14	14.000	375	54.569	17,054	900.5	7 180
16	16.000	375	62.579	22,592	1,192.9	8 165

EXTRA HEAVY LINE PIPE

NOM. INAL. SIZE	OUT-SIDE DIAM.	WALL THICKNESS	WEIGHT PER FOOT	CAPACITY	
				BBLS. / 100 FT.	BBLS. / MILE
2	2.375	218	5.022	364	19.2
2 1/2	2.875	276	7.661	524	27.7
3	3.500	300	10.252	817	43.1
4	4.500	337	14.983	1,421	75.1
5	5.563	375	20.778	2,250	118.8
6	6.625	432	28.573	3,224	170.2
8	8.625	500	43.388	5,648	298.2
10	10.750	500	54.735	9,236	487.6
12	12.750	500	64.415	13,412	708.1

BRL OIL IN TANK = 0.14 x D² x H (IN FEET), D = DIAMETER, H = HEIGHT, OIL IN TANK

A.P.I.	SP GR	LBS/GAL	LBS/BBL.
30	0.8762	7.296	306.432
32	0.8854	7.206	302.652
36	0.8448	7.034	295.428
40	0.8251	6.870	288.540
42	0.8155	6.770	285.180
24			022
25			020
26			018
27			016

Figure 4: TCD-SCSS-U.20121208.035-fig04



Figure 5: TCD-SCSS-U.20121208.035-fig05



Figure 6: TCD-SCSS-U.20121208.035-fig06



Figure 7: TCD-SCSS-U.20121208.035-fig07

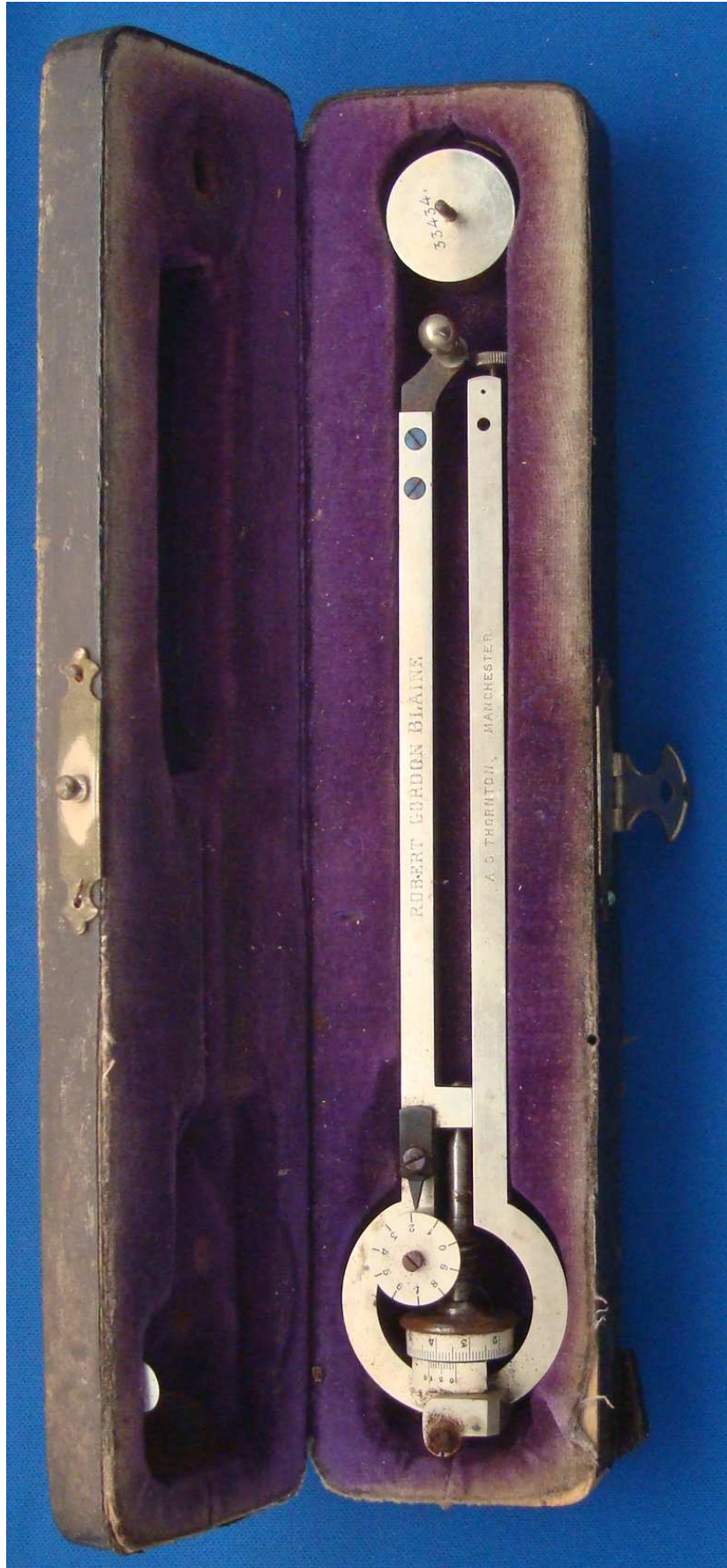


Figure 8: TCD-SCSS-U.20121208.035-fig08

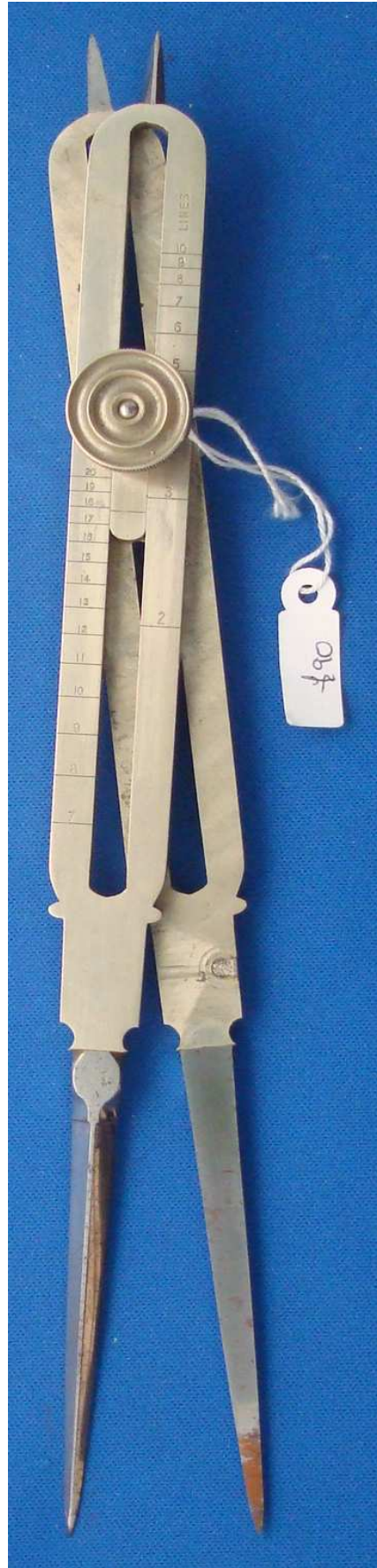


Figure 9: TCD-SCSS-U.20121208.035-fig09

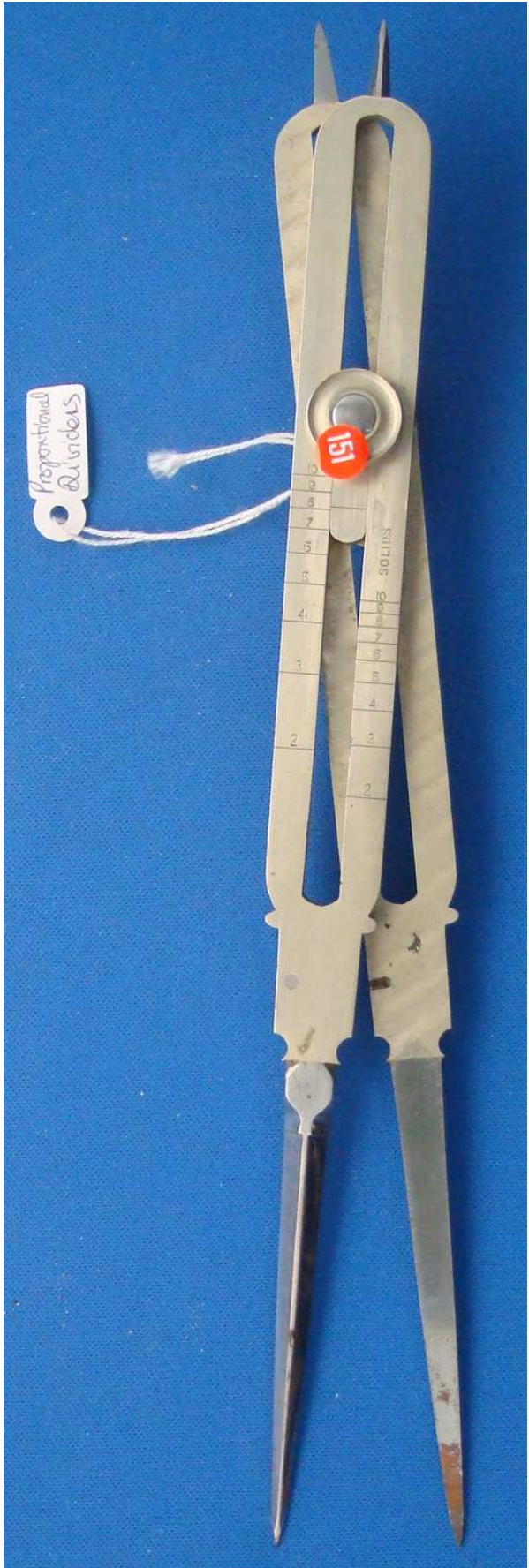


Figure 10: TCD-SCSS-U.20121208.035-fig10



Figure 11: TCD-SCSS-U.20121208.035-fig11

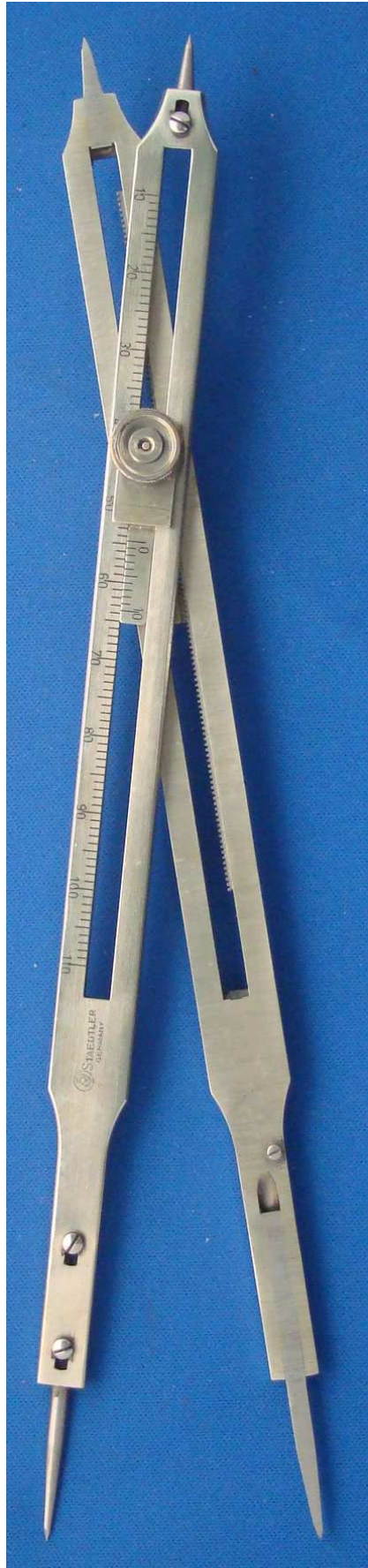


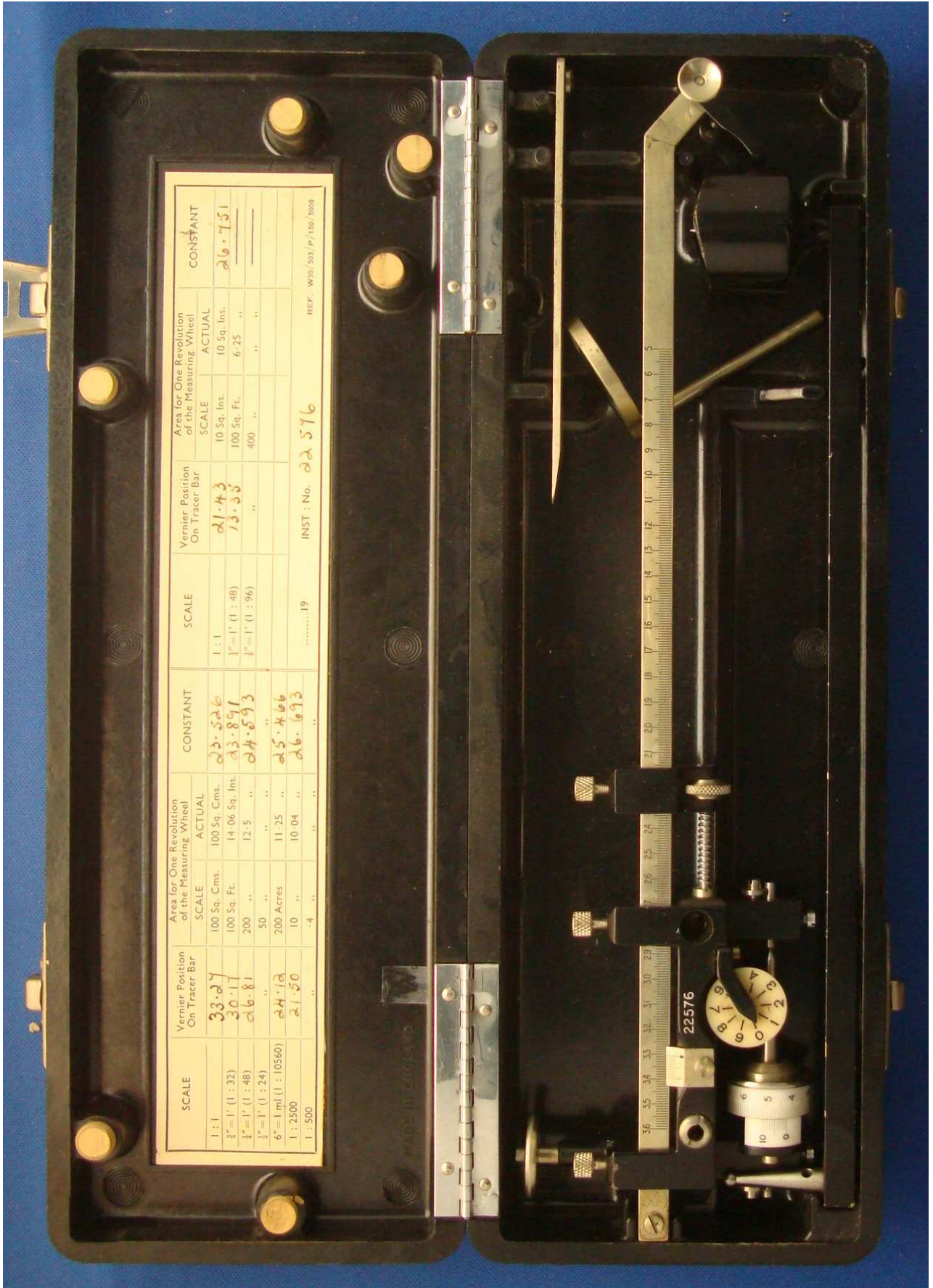
Figure 12: TCD-SCSS-U.20121208.035-fig12



Figure 13: TCD-SCSS-U.20121208.035-fig13



Figure 14: TCD-SCSS-U.20121208.035-fig14



SCALE	Vernier Position On Tracer Bar	Area for One Revolution of the Measuring Wheel		SCALE	CONSTANT	SCALE	Vernier Position On Tracer Bar	Area for One Revolution of the Measuring Wheel		CONSTANT
		SCALE	ACTUAL					SCALE	ACTUAL	
1 : 1	33.27	100 Sq. Cms.	100 Sq. Cms.	1 : 1	23.526	10 Sq. Ins.	21.43	10 Sq. Ins.	26.751	
3" = 1' (1 : 48)	30.17	100 Sq. Ft.	14.06 Sq. Ins.	3" = 1' (1 : 48)	23.891	100 Sq. Ft.	13.33	6.25 "		
3" = 1' (1 : 48)	26.81	200 "	12.5 "	3" = 1' (1 : 96)	24.593	400 "	"	"		
3" = 1' (1 : 24)	"	50 "	"	"	"	"	"	"		
6" = 1 ml (1 : 10560)	24.12	200 Acres	11.25 "	"	25.466	"	"	"		
1 : 2500	21.50	10 "	10.04 "	"	26.693	"	"	"		
1 : 500	"	-4 "	"19	"	"	"	"		

INST : No. 22576

REF. W30/503/P/150/5000

Figure 15: TCD-SCSS-U.20121208.035-fig15



Figure 16: TCD-SCSS-U.20121208.035-fig16



Figure 17: TCD-SCSS-U.20121208.035-fig17