A.W. FABER-CASTELL SLIDE RULE FEATURES 1892-1920

STOCK & SLIDE		Approximate Change Point: 1892.	1892-3	1893-5	1895.	1896-9	1898-9	1899.	1900.	1900-3	1901.	1901-3	1903.	1903-4	1904.	1904-5	1905.	1905-6	1906.	1906-7	1907.	1907-8	1908.	1908-9	1908-13	1909.	1910.	1910-11	1910-12	1910-13	1911.	1912.	1912-13	1913.	1914.	1914-20
Length	15 cm																					12.5 cm scale												
	26 cm							350, 360, 365																												
	26.4 cm																																	
	28 cm							354, 357, 363, 364, 367, 368													1.					not 12.5 or 50 cm scale or 368, 378										
	28.5 cm																				368														
	29.5 cm																										378								
	53.5 cm										50 cm scale																								
Stock construction (a)	Single piece, solid																																	
	Single piece with 2 longitudinal slits in well							not 369															all-wood												
	Two piece, celluloid sprung																						not all-wood												
	Two piece, steel sprung																																	
Back of stock	Flat back (no rebate and tables)			non-German																		361, 366, 369*, 374, 377, 379, 384												
	Rebated with paper tables			German																		not 361, 366, 369*, 374, 377, 379, 384												
Bottom edge of stock	Bevelled																				361, 366, 368													
	Perpendicular																				not 361, 366, 368													
Cursor grooves (b)	Split both edge rulers																																	
	Above top edge ruler but split bottom edge ruler																																	
	Above both top & bottom edge rulers																	not 368																
	Angled into stock at front/top edge join																	368																
	Angled into stock at front/bottom edge join																					368												
Slide Thumb Notch	Right end of front																																	
Slide runner	At bottom of slide edge																				361													
	In centre of slide edge																				not 361													
Slots in back of stock to index back of slide	Right end (sin & log scales)																				not 361, 366													
	Left end (tan scales)							not 350, 360, 365													not 361, 366													
Celluloid facings	Front, well & front & back of slide				not all-wood																													
	Top & bottom edges													not all-wood or 361										not all-wood										
Boxwood springs to tension slide	Upper stock rail, below slide groove					354, 357, 363, 364, 365, 367																												
	Upper stock rail, in slide groove																2.					3.			365, 378									
Slide index end (c)	Chisel index for well scales																368, 378, 379																	
Wooden fixing pins for celluloid	Stock																				not all-wood													
	Slide																					not all-wood												
Metal inserts	Longitudinal in stock & slide																						not all-wood or 12.5 cm scale											

SCALES		1892.	1892-3	1893-5	1895.	1896-9	1898-9	1899.	1900.	1900-3	1901.	1901-3	1903.	1903-4	1904.	1904-5	1905.	1905-6	1906.	1906-7	1907.	1907-8	1908.	1908-9	1908-13	1909.	1910.	1910-11	1910-12	1910-13	1911.	1912.	1912-13	1913.	1914.	1914-20
Scale length	15 cm																					369										369, 379		
	25 cm										not 369, 379, 380, 384																								
	25.2 cm (approx.)																																	
	50 cm										380																					380, 384		
Format of Mannheim scales (aa)	Plain (no railway tracks)									option on 360, 363, 364, 365, 367																								
	Unequal double railway track																																	
	Double railway track																	all-wood & 50 cm scale																4.
	Single railway track																	not all-wood or 50 cm scales																5.
Marking method (d)	Hand printed scales																																	
	Template printed scales																																	
	Lightly incised scales																all-wood					all-wood												
	Deeply incised scales																not all-wood																	
Rulers on edges	Top edge, not to ends of stock																not 368			6.	7.													
	Bottom edge not to ends of stock																				368				361, 366									
	Bottom edge to ends of stock																				not 361, 366, 368													
Centimetre extension scale	On back of slide																																	
	In well																					not 50 cm scale or 361, 366, 368, 374, 377, 378												
Inch/centimetre conversion scale (bb)	On back of stock			8.							380																							
	On back of stock aligned to right slot index				8.																													
Ticks on Mannheim scales (e)	On A & B only																																	
	On A, B, C & D																																	
SLT scales	On back of slide																					not 361												
M gauge mark (cc)	Script M (with long tail) on B only							367								9.	all-wood																	
	Script M (with long tail) on A & B																								all-wood									
	Serif M on A & B																10.								not all-wood or 12.5 or 50 cm scale or 366							11.	12.
	Sans-serif M on A & B																																	13.
c & c1 gauge marks	On D as well as C																14.								not 12.5cm scale or 366									
Electro scales	"Dynamo"/"Motor" & "Volt" scales in well																368, 378, 379																	
Electro gauge marks	Metric (287 & 736 on A & B scales)																368, 378, 379																	
	Imperial (287 & 746 on A & B scales)																	368, 378, 379																
	Unlabelled on non-electro rules																15.																	
Log-log index marks	2.9 on left & right ends of D																368																	
	W on right end of C																	368, 378, 379																
System Pickworth	Cube scale and window on back of stock																					374, 377												
System Schumacher	Non-logarithmic scales and indexes																					366												

TEXT & LABELS		1892.	1892-3	1893-5	1895.	1896-9	1898-9	1899.	1900.	1900-3	1901.	1901-3	1903.	1903-4	1904.	1904-5	1905.	1905-6	1906.	1906-7	1907.	1907-8	1908.	1908-9	1908-13	1909.	1910.	1910-11	1910-12	1910-13	1911.	1912.	1912-13	1913.	1914.	1914-20
Brand name	'A.W. Faber'																																	
	'A.W. Faber "Castell"'																																	
Brand typeface	Gold serif								non-English							non-English all-wood & 50 cm scale												non-English all-wood					
	Gold sans-serif								English							English all-wood & 50 cm scale												English all-wood					
	Black sans-serif															not all-wood or 50 cm scale												not all-wood					
Numbers on scale subdivisions (f)	Decimal notation							350, 355, 360, 361, 363, 365																			350, 355, 361, 363					17.		18.
	Displaced 1.5/15 on A & B scales																																	
Scale numbering typeface (aa)	Style A													all-wood																				
	Style B													not all-wood								all-wood												
	Style C																not all-wood																	
Scale numbering marking (g)	Hand printed																																	
	Template printed																																	
Origin ('MADE IN...')	English language rules																																	
	Non-English/non-German language rules																																	
Quotient/Product ± on lower stock ends	'QUOTIENT +1' & 'PRODUCT -1'							363, 367								19.									354, 357								20.	
	'Quot.+1' & 'Prod.-1'																	50 cm scale & 363, 364, 367, 368, 374, 377								21.	22.	23.					24.	25.
Arrow ± symbols (aa)	On left & right upper stock ends													363, 367		26.							27.				28.							363	29.
Model number	3-digit, followed by '*' before brand																																	
'DRGM 98350' (1898)	Boxwood springs in well for slide																																	
'DRGM 116832' (1899)	Digit registering cursor																																	
'DRGM 427514' (1905)	Slide end index edge for well scales																	368, 378, 379																
'DRGM 271169' (1906)	Cursor with hook index for edge scales																		368															
'DRGM 371190' (1908)	Wood fixing pins for celluloid																						not all-wood											
'DRP 206428' (1908)	Longitudinal metal inserts																						not all-wood or 12.5 cm scale											
'DRGM 344576' (1908)	System Schumacher																						366											
'DRGM 371189' (1908)	System Pickworth																						374, 377											
'DRP 215722' (1909)	System Pickworth																								374, 377									
Back label style (bb)	Style 1 (German)			German																														
	Style 2 (German)					German																												
	Style 3 (German)									German, not 368, 369, 378, 379																								
	Style 4 (English)					English																												
	Style 5 (English)							English, not 368, 369, 378, 379																										
	Style 6 (French)					French, not 368, 369, 378, 379																												
	Style 7 (English electro), 8 (Non-English electro)																368, 378																	
Back advertising label (bb)	Paper																				369												369	
	Celluloid																																	369
Back label text style (dd)	Style A			German																														
	Style B					Non-German																												

CURSOR (ee)		1892.	1892-3	1893-5	1895.	1896-9	1898-9	1899.	1900.	1900-3	1901.	1901-3	1903.	1903-4	1904.	1904-5	1905.	1905-6	1906.	1906-7	1907.	1907-8	1908.	1908-9	1908-13	1909.	1910.	1910-11	1910-12	1910-13	1911.	1912.	1912-13	1913.	1914.	1914-20
Frame material (h)	Nickel plated brass																																	
	Aluminium																																	
	Nickel silver																																	343
Chisel indexes	2 each on left & right edges																																	
Adjustable glass	With 2 mm screws																																	
	With 1 mm screws																																	
Window corners	Rounded																																	
	Square cut																																	
Tension Spring	Present (centre riveted)																																	
Digit registering	With 2 domed rivets							367, 377, 380																										
	With 1 domed & 1 flat rivet															16.																		
	With 2 flat rivets																367, 368, 377, 380																	
Hook index for edge log-log scales	Top edge																		368															
	Bottom edge																						368											

BOX		1892.	1892-3	1893-5	1895.	1896-9	1898-9	1899.	1900.	1900-3	1901.	1901-3	1903.	1903-4	1904.	1904-5	1905.	1905-6	1906.	1906-7	1907.	1907-8	1908.	1908-9	1908-13	1909.	1910.	1910-11	1910-12	1910-13	1911.	1912.	1912-13	1913.	1914.	1914-20
Cross-section (ff)	Rectangular													50 cm scale																				
	Flattened rectangular with rounded edges													not 50 cm scale																				
	Oval																not 50 cm scale																	
Brand text on front (gg)	Arched script				English																													
	'Rechenstab...'				German																													
	Small block																																	
Back label style (hh)	Style A				English																													
	Style B					English																												
	Style C																																	
	Style D																																	
Back label awards	'Paris 1900' exhibition																																	
	'St.Louis 1904' exhibition																																	
Back label medals text	'Gold and First-class Prize Medals.'				English																													
	'Prize Medals from all important ... exhibitions.'																																	
Model number label (ff)	No border																																	
	Broken border																																	
	Solid border																																	

Formatting: Generic; Specific; Not known; Crossover; Overlap in change points

Additional model and type notes

1. 354, 355, 357, 363, 364, 367
2. 354, 355, 357, 363, 364, 365, 367, 368, 374, 377, 378
3. 354, 355, 357, 363, 364, 365, 367, 374, 377, 378
4. not 12.5 cm scale or 366
5. 12.5 cm scale & 366
6. not 361, 368
7. not 361
8. non-German
9. 364, 367
10. not all-wood or 12.5 or 50 cm scale or 361, 366
11. not 12.5 or 50 cm scale or 366
12. all-wood
13. not all-wood or 12.5 or 50 cm scale or 366
14. not all-wood or 12.5cm scale or 361, 366
15. not all-wood or 12.5 or 50 cm scales or 361, 366, 368
16. 367, 377, 380
17. 350, 355, 360, 361, 363
18. 350, 355, 361, 363
19. 363, 364, 367
20. 354, 357
21. 50 cm scale & 363, 364, 365, 367, 368, 374, 377
22. 50 cm scale & 363, 364, 365, 367, 374, 377, 378
23. 50 cm scale & 363, 364, 367, 374, 377, 378
24. 50 cm scale & 360, 363, 364, 367, 374, 377, 378
25. 50 cm scale & 354, 357, 360, 363, 364, 367, 374, 377, 378
26. 354, 357, 363, 364, 367, 368, 374, 377, 380
27. 354, 357, 364, 367, 368, 374, 377, 380
28. 354, 357, 363, 364, 367, 374, 377, 380
29. 354, 357, 364, 367, 374, 377, 380

* 369 possible flat or rebate back

Model number identification c1892-1908 (before printed on slide rule)

					Model
Not faced	<28 cm stock				350
	28 cm stock	Normal cursor			354
		Digit registering cursor			357
		Caliper cursor			358
	50 cm scale				370
Celluloid faced	15.5 cm scale				369
	26 cm stock	No slide springs			360
		Slide springs			365
	28-29 cm stock	Scale on back of stock	Normal cursor		374
			Digit registering cursor		377
		No scale on back of stock	Numbers with decimal point	No SLT scales	361
				SLT scales	363
			Numbers without decimal point	No scales on back of slide	366
				Scales on back of slide: Log-log scales on edge	368
				No log-log scales on edge: Normal cursor	364
					Digit registering cursor 367
	50 cm scales				380

Feature notes

(a) All stocks in this timeframe were made from wood. Initially the two stock rails and well were formed from one solid piece. Two longitudinal slits were introduced into the well that usually penetrate both the solid wooden stock (which may be covered on the back with a paper label) and the celluloid facing in the well (if present), occasionally they are only in the wood. A two piece celluloid sprung stock is distinguished by an end-to-end longitudinal split in the wood of the well of the stock with no corresponding split in the celluloid facing in the well. A steel sprung stock is distinguished by an end-to-end longitudinal split in both the wood and thethe celluloid facing (if present) of the well.

(b) Cursor grooves will either: split an edge ruler (numbers above groove and divisions below) and be perpendicular to the edge face; be entirely above a ruler and parallel to the top face of the rule; be angled into the stock at the join of the top and edge faces.

(c) Slide is slightly shorter than stock with an aluminium index edge for reading the scales in the well.

(d) Hand printed scales are smooth on the face of the rule and exhibit random marking differences from being drawn from a pattern. Template printed scales are also smooth, but differences are consistent. Lightly incised scales show a faint texture when a fingernail is drawn across the marks. Deeply incised scales show an obvious texture when a fingernail is drawn across the marks.

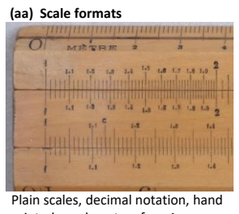
(e) Ticks are the small extensions to the division marks which extend beyond the railway track lines. See also (aa).

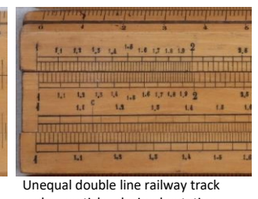
(f) Identification numbers of the subdivisions on the Mannheim scales between the major divisions of 1, 2, 3 etc. are either Decimal notation (eg 1.2, 1.2, 1.3 etc) or Non-decimal notation (eg 1, 2, 3 etc.). In the decimal notation the 1.5 and 15 numbers were initially displaced on the A and B scales compared to the rest of the subdivision numbers. See also (aa).

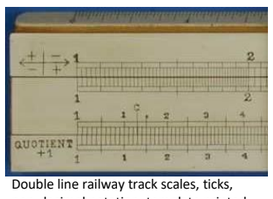
(g) Identification numbers for the divisions on the Mannheim scales were initially printed by hand one digit at a time and consequently show some variation in the alignment of the digits. Subsequently the numbers were printed using a template giving a more uniformly aligned appearance. See also (aa)

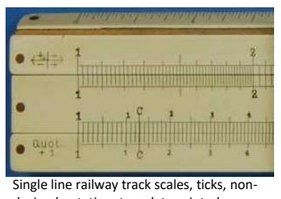
(h) Nickel plated brass and nickel silver cursors are heavy and shiny (if the plating has not worn off) compared to aluminium cursors. Worn plated cursors will show an underlying brass colour. Plated cursors are slightly magnetic, nickel silver cursors are not.

(aa) Scale formats


Plain scales, decimal notation, hand printed numbers typeface A, displaced 1.5


Unequal double line railway track scales, no ticks, decimal notation, hand printed numbers typeface A, displaced 1.5


Double line railway track scales, ticks, non-decimal notation, template printed numbers typeface B, arrow ± symbols

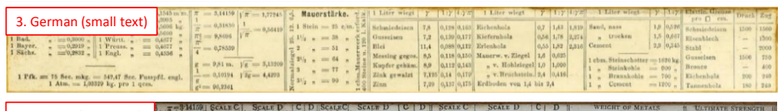

Single line railway track scales, ticks, non-decimal notation, template printed numbers typeface C, arrow ± symbols

(bb) Slide rule back style label examples

1. German

2. German (large text)

3. German (small text)



4. English (large text)

5. English (small text)

6. French

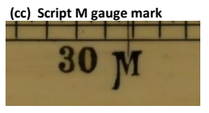
7. English Electro

8. Non-English Electro

In/cm conversion scale

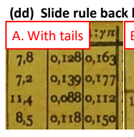
Advertising

(cc) Script M gauge mark

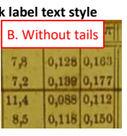


(dd) Slide rule back label text style

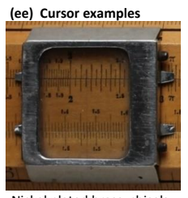
A. With tails



B. Without tails



(ee) Cursor examples

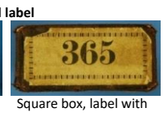

Nickel plated brass, chisels, 2 mm adjusting screws, rounded window, no spring

Aluminium, digit registering with 2 domed rivets, rounded window, centre riveted spring

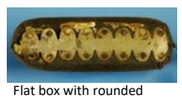
Aluminium, hook index, square cut window, centre riveted spring

(ff) Box profile and model label

Square box, label with no



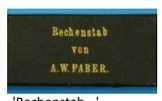
Square box, label with


Flat box with rounded

Oval box, label with solid border

(gg) Box brand text

Arched scipt



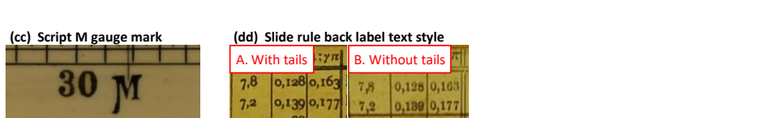
'Rechenstab...'

Small block

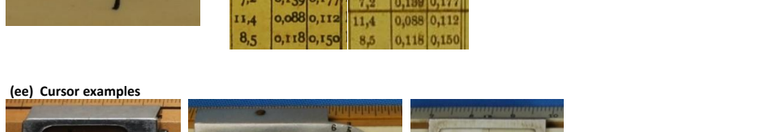
(hh) Box back label style examples

A. English (gold on black)

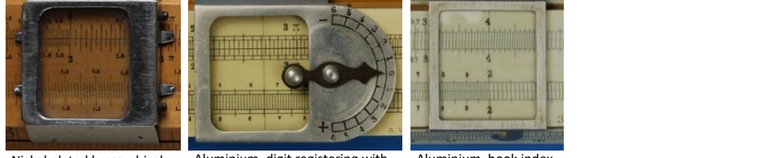
B. English (gold on black or black on white)



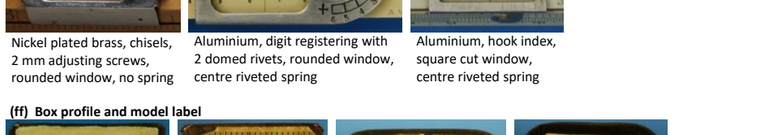
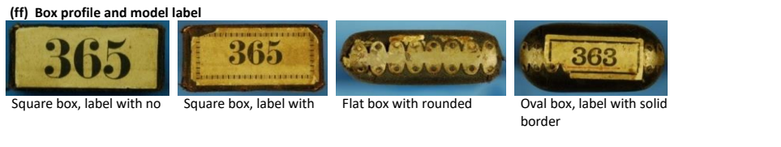
C. English (red & green text)



C. Non-English (green & red text)



D. English (with care instrucions)



D. Non-English (with care instrucions)