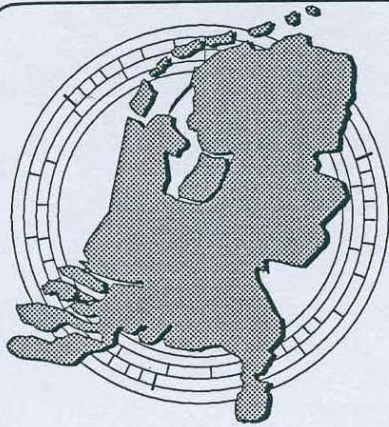




TRACING OF NESTLER SLIDE RULES

Guus Craenen

Three tools have been developed for tracing of manufacturing dates of Nestler slide rules. These tools can be found in the following attachments. The sequence of usage is: first attachment 1 and then 2, or first attachment 2 and then 3.

Attachment 1 gives a global overview of the development of both Rietz as well as special application slide rules. This development is related to a time axis, denoted in years of manufacturing from 1878, when design and manufacturing started, until 1978 when production was discontinued. The development of the Rietz type started with the definition in 1902, and continues through the new type numbers in 1955, until the new design in 1960. The periods during which special applications have been developed, can be determined from the table. An example: the slide rule for electrical wiring (Nr 32) is mentioned for the first time in a book dated 1911, and for the last time in a catalogue dated 1925. From 1931 the production of this slide rule obviously has been discontinued, and its serial number then is assigned to a "Heizungsrechner" (slide rule for heating applications). The change of serial number is indicated with a bullit sign.

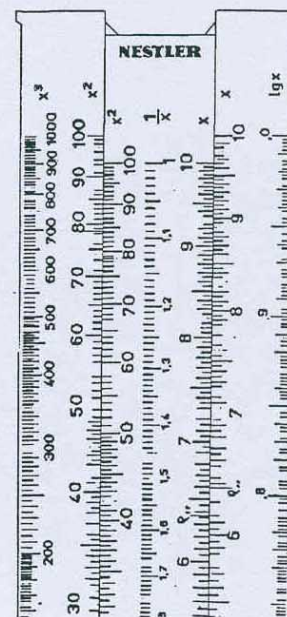
Attachment 2 shows a summary of developments based on six main aspects: from *Frontside* to *Type of Wood*.

An example: a certain slide rule has screws at the front side, which occurred only from 1906 until 1938. Also this slide rule has a cm-scale with a length of 26 cm; this occurred only from 1906 until 1926. And lastly, because the construction uses palmwood, this slide rule can be traced to 1906-1911.

Attachment 3 is a tool for fast tracing, based on texts on the slide rule-base, under the slide. Using these texts and formats, as indicated in the center of the table, the reference formats (1-13) can be determined.

The left column gives a year indication, and some additional aspects, which are explained in the footer of the page. Other information, like data on the back and scale lengths, are contained in attachment 2; hence the advice to use attachment 2 first, and then 3.

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Nestler, Development of Rietz and Special Applications Slide Rules

Attachment 1

78	80	1890	1900	1910	1920	1930	1940	1950	1960	1970	78										
8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	
Important Dates			♥ 1902	□ 1911	□ 1914	□ 1925	□ 1931	□ 1938	■ 1952	♣ 1955	△ 1960										
Development Rietz			Definition	CI-Scale		Extended A, B, C, D- Scales	Extended CI, A, B, C, D- Scales		Ana- git	New Num- ber	New Design										
Development of Special Applications Slide Rules																					
20																					
21																					
25																					
25B																					
26																					
27																					
28																					
29																					
30																					
30G																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					
41																					
43																					

Legend

♥

Definition

♦

Patent

△

Redesign

□

Book

■

Catalogue

■

Material

♣

New Number

•

Type change

Note: Underlined Names, like Betriebsr.26, indicate new issues, according to book or catalogue.

Legend

- ♥ Definition
- ♦ Patent
- △ Redesign
- Book
- ◻ Catalogue
- Material
- ♣ New Number
- Type change

Nestler, Additional Characteristics for tracing of Rietz und Special Applications Slide Rules

Attachment 2

78 80 1890 1900 1910 1920 1930 1940 1950 1960 1970 78
8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8

Important Dates Patents

1902 1906 1911 1914 1925 1931 1938 1952 1955 1960
Glueing Steel springs

Development Rietz

Definition CI-Scale Extended A, B, C, D-Scales Extended CI, A, B, C, D-Scales Ana- git- New Num- ber

Front side

- with screws (1906-1938)
- with "P-I" and "Q+1" (1906-1938)

Back side (Texts)

1. Paper on wood 23/28 cm, before 1906
2. Paper on plastic 29/29 cm, after 1906
3. Paper on plastic 23/29 cm, after 1938
4. Plastic on plastic 23/29 cm, after 1960

Numbers

- Number on the case
- Number on the Slide Rule
- New Number (0123) since 1955/1960

Length cm-Scales

- 25 cm
- 26 cm
- 27 cm

Cursors

- Aluminum Cursor, until 1940
- Rimless cursor, 1925-1945
- Rimmed cursor (Neusilber), 1945-1970

Wood

- Palmwood
- Mahogani
- Maple

after World War II

Since the Redesign of 1960
all Slide Rules have stamped Back

Legend

- ♥ Definition
- ♦ Patent
- △ Redesign
- Book
- ⊠ Catalogue
- Material
- ♣ New Number

Nestler, Tracing by texts under the slide

Attachment 3

Characteristics	Text	Formats
< 1906, 28/26, Back-1, ..., mS, > 1896 (Ahrend)	HOLLANDIA-REKENSTOK WED. J. AHREND & ZOON AMSTERDAM	1
< 1906, 27,5/25, Back-1, ..., Q+1, mS	NESTLER	2
> 1906, 27,5/25, Back-o, ..., Q+1, mS	D.R. PATENT No 173660 ALBERT NESTLER	3
< 1925, 27,5/25, Back-2, ..., Q+1, mS	D.R. PATENT No 173660 SYSTEM RIETZ ALBERT NESTLER LAHRI/B	4
< 1925 29,5/25, Back-2, ..., mS	D.R. PATENT ELECTRO No37 ALBERT NESTLER A.-G. LAHRI/B	5
=*1928, 28,5/27, Back-2, ..., Q+1, mSu	D.R. PATENT SYSTEM RIETZ No23R ALBERT NESTLER A.-G. LAHRI/B D.R.G.M.	6
=*1931, 28,5/27, Back-2, ..., Q+1, mSu	SYSTEM RIETZ No23R ALBERT NESTLER A.-G. LAHRI/B D.R.G.M. D.R. PATENT	7
=*1939, 29,5/27, Back-3, ..., mSu	SYSTEM RIETZ No23R ALBERT NESTLER A.-G. LAHRI/B D.R.G.M. D.R. PATENT	8
< 1948, 29,5/27, Back-3, oS	SYSTEM RIETZ No23R ALBERT NESTLER A.-G. LAHR i/B D.R. PATENT	9
> 1950, 29,5/27, Back-3, oS	No21 "Darmstadt" △ ALBERT NESTLER A.-G. LAHRI/B △ D.R.P.	10
> 1950, 29,5/27, Back-3, oS	SYSTEM RIETZ No23R △ ALBERT NESTLER A.-G. LAHRI/B △ D.R.P.	11
< 1955, 29,5/27, Back-3, oS	Nr.23R/3 Rietz Nestler	12
> 1960, 29,5/27, Back-4, oS	Nestler - GEOMETER Nr.0280	13

Usage

- Look up the format (1-13) by text
- Read production date in left column (1906-1960)
- Use additional information (Length, Back, etc.) to check

Legend Format-1

- < 1906: before 1906
- 28/26: Total length/Length cm-Scale front
- Back-1: see "Backside", Attachment 2
- ...: with three screws on front side
- mS: with ruler (cm scale) extension
- Ahrend: Dutch commerce firm since 1896

Legend of characteristics

- Q+1: Dec. point, Front, left under
- Back-o: without paper strip on back
- *: Year according to previous owner
- mSu/oS: With extension under groove/without
- △: stands for Nestler logo