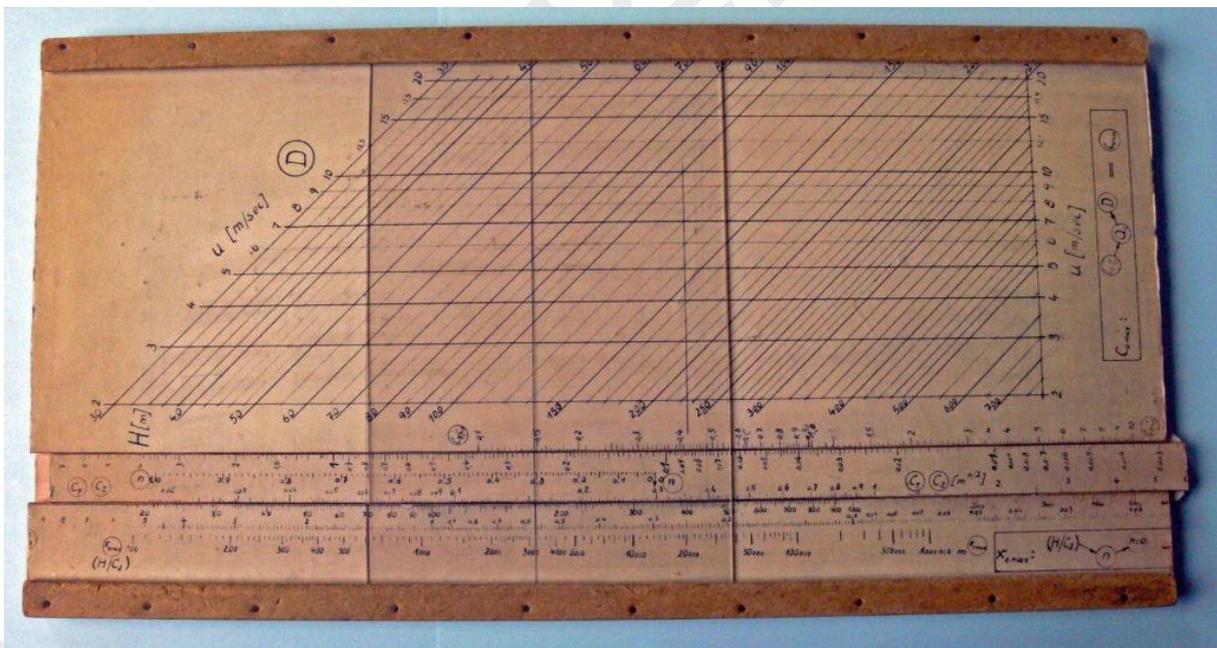
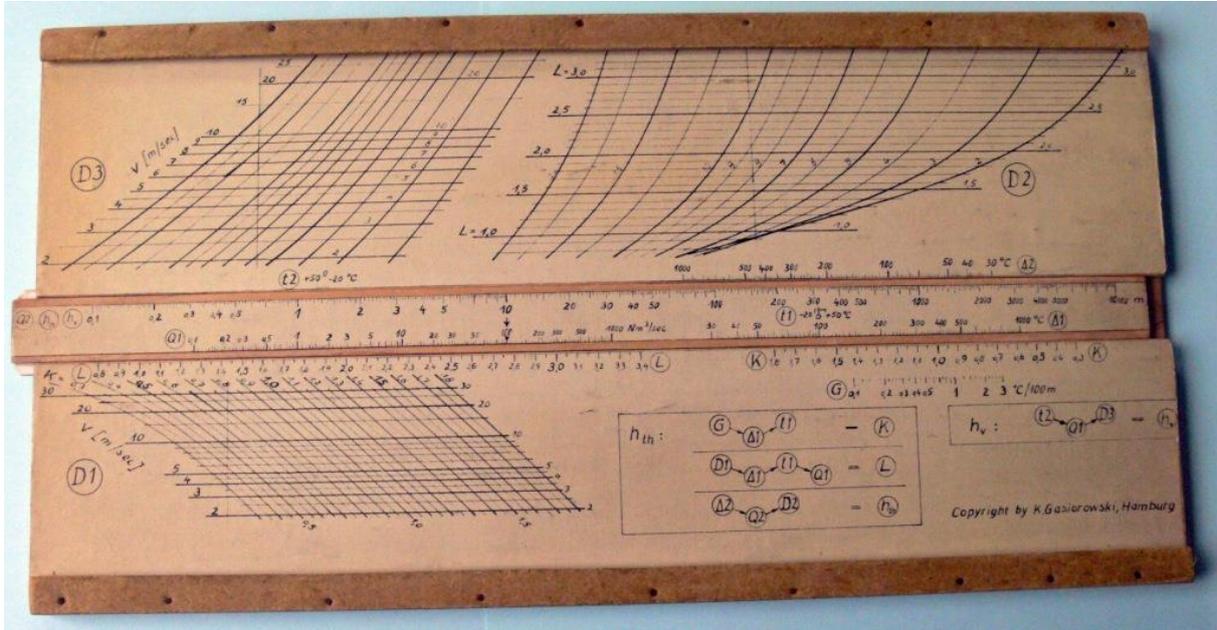


Title: 2-SET SLIDE RULE FOR THE OIL INDUSTRY

Owner: D.G. Rance

Pictures



Purpose of the Slide Rule:

This set of simplex linear solid frame slide rules has been designed to perform calculations based on certain chemical (?) formulas.

Dimensions of each rule:

- **Bases:** 350 mm x 180 mm x 14 mm.
- **Slides:** (i) 350 mm x 20 mm x 5 mm and (ii) 350 mm x 15 mm x 5 mm
- **Cursor:** 108 mm x 165 mm x 2 mm (single hairline)

Material:

- **Bases and slides:** chipboard/mdf with a glued paper covering - the top edges (for retaining the cursor) are made from cardboard and attached with panel pins.
- **Slides:** two retaining lips at the top and bottom of each slide that fit into specially cut grooves in the base. Both slides run smoothly.
- **Cursor:** this is a simple sheet of plastic with a black hairline in the centre.
- **Finishing:** a glued paper covering with the nomograms, scales and notations.

Layout and scales:

- **Slide Rule 1:**
 - top half consists of two nomograms
 - the scale notations are $t_2 \Delta_2 = Q_2 t_1 Q_1 \Delta_1 = L K G$
 - the bottom half consists of one nomogram and a pictorial legend for the h_{th} and h_v notations
- **Slide Rule 2:**
 - consists of a single large nomogram and a pictorial legend for “Comaz”
 - the scale notations are $C_2/C_y = n C_y C_z = ? H/C_z$ and a pictorial legend for “ X_{omax} ”

Remarks:

- No manual but several legends are printed alongside the scales.
- The complex nomograms and the layout and logarithmic nature of all the scales are an excellent example of how a designer has taken full advantage of Oughtred’s original concept for a slide rule.
- Can anyone decipher the formulas?

Designer:

K. Gasiorowski – thought to be an engineer of Polish extraction. When handed the rule 15 years ago, I was told the rule relates to the time Gasiorowski worked for the oil industry multinational, British Petroleum (BP).

Manufacturer:

The slide rules are clearly homemade and one proudly states: “*Copyright by K. Gasiorowski, Hamburg*” but, so far, no record of the copyright can be found.