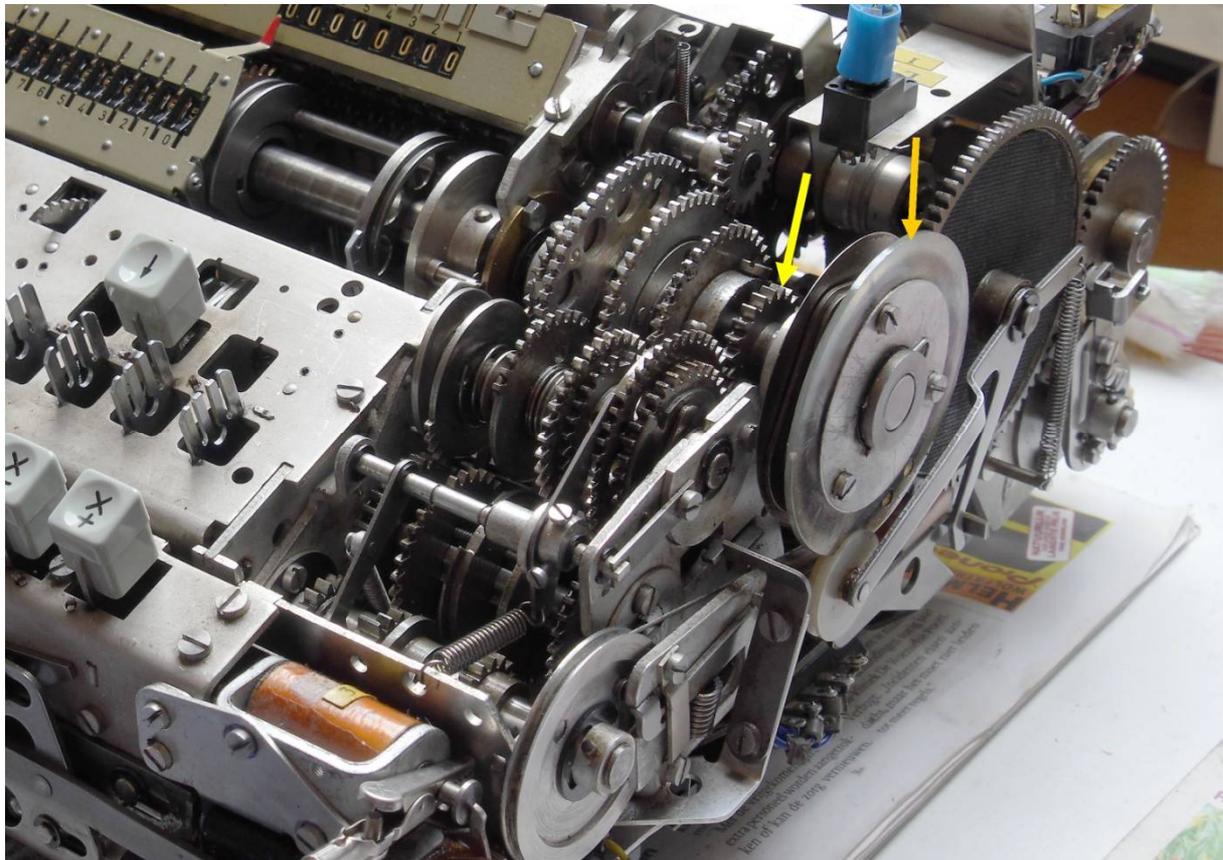


It appears that for proper operation some flexibility is needed in the joint between the output of the gearbox and the shaft which contains Reg-I.

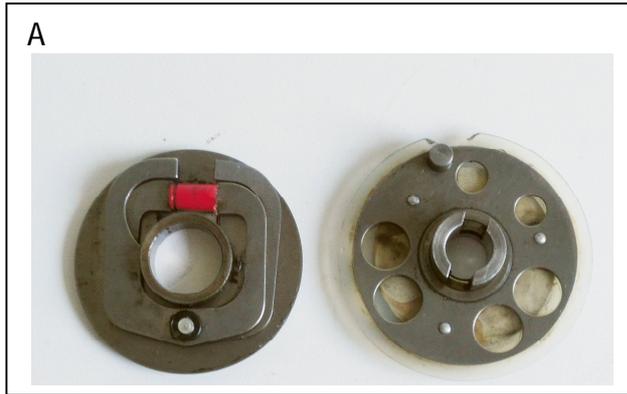


The plastic dish (see orange arrow) on the above photo is attached to a toothed wheel (not visible here) which connects the gearbox shaft in the back with either the Reg-I rotor or the mechanism which in lateral direction transports Reg-I back to its initial position after addition or subtraction.

Between the plastic dish and the toothed gear there is a mechanism which forms a more or less flexible interface between the gearbox shaft and the above mentioned rotational and lateral movements.

After each addition/ subtraction with the "+" and "-" keys, the calculator switches from rotational to lateral by shifting a small toothed wheel (see yellow arrow) from left to right and vv.

When I finally got the machine operational it often blocked after using the the "+" and "-" keys. I felt unsure about the correctness of the above mentioned flexible interface. So I started an experiment.



Picture A shows the original situation containing a piece of hard plastic (red). It resulted in free movement of the two parts in A of about one mm measured on the outside of the metal dish. Without the plastic part the play is about 2 mm.

I guess that the red part has ever been put there as a replacement for what has been used by the manufacturer and probably was found disintegrated.

I replaced the red piece by a larger but also more flexible piece out of things that were available in my hobby room. I started with a piece of silicon fuel hose. That seemed to weak to me. So I inserted a short peace of hard plastic (as a kind of skeleton) and covered the hose with a peace of shrink sleeve.



Picture C shows the assembly. In picture D it is mounted in the mechanism. Now there is no play while still there is flexibility in the mount.

The machine never blocked since this change.