

RECORD OF WORK DONE

No. T666

*BF-32*  
Title: 46094 B375 2nd copy *mm* **SENDER**  
N ~~46104~~. Funktion- Diagram ~~Empfaenger~~.  
Schl.- Zus.4 (Werner 101b)

*Functional* [Diagram of teleprinter <sup>TRANSMITTER</sup> receiver]

(Received from Berchtesgaden)

Date	Job	By
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S-30,093 TL

TOP SECRET "U"



Verzeichnis der Zeichnungen der mechanischen und  
elektrischen Arbeitsweise für den  
Schlüsselzusatz 42.

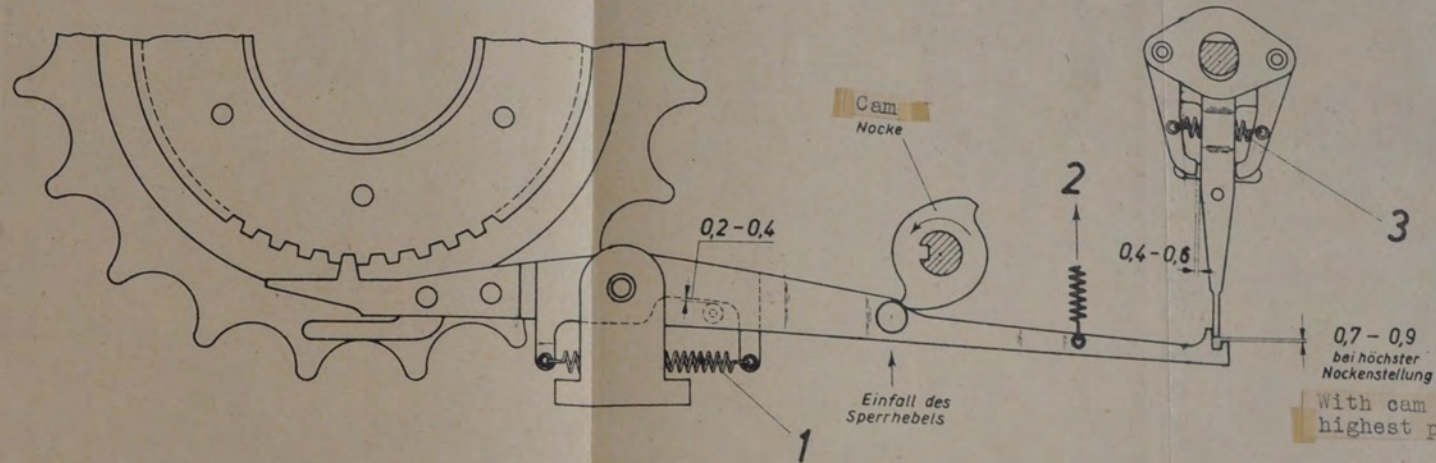
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- 1.) N 46 312 Sperrvorrichtung für den Lauf der Springcäsarrädergruppe
- 2.) N 46153 Wirkungsweise des Vorgeleges für die Springcäsarrädergruppe, Sperrstellung
- 3.) N 46332 Arbeitsweise des Entsperrgestänges
- 4.) N 47001 Arbeitsweise des Schaltmagneten für die Störfunktionen des Springcäsars
- 5.) N 46292 Grundschialtung für den Schlüsselzusatz 42
- 6.) N 46801 Schaltungsauszug für die örtlichen Störfunktionen der Springcäsarrädergruppe
- 7.) N 46032 (Bild 1) Betätigung von UR beim Sendevorgang  
(Bild 2) Schaltvorgang beim zweimaligen Umlauf
- 8.) N 46392 (Bild 3) Richtungswechsel ohne Vorzeichenänderung des Klartextbuchstabens
- 9.) N 46382 (Bild 4) Richtungswechsel mit Vorzeichenänderung des Klartextbuchstabens
- 10.) N 46094 Funktionsdiagramm des Senders  
(Schlüsselzusatz 42)
- 11.) N 46104 Funktionsdiagramm des Empfängers  
(Schlüsselzusatz 42)



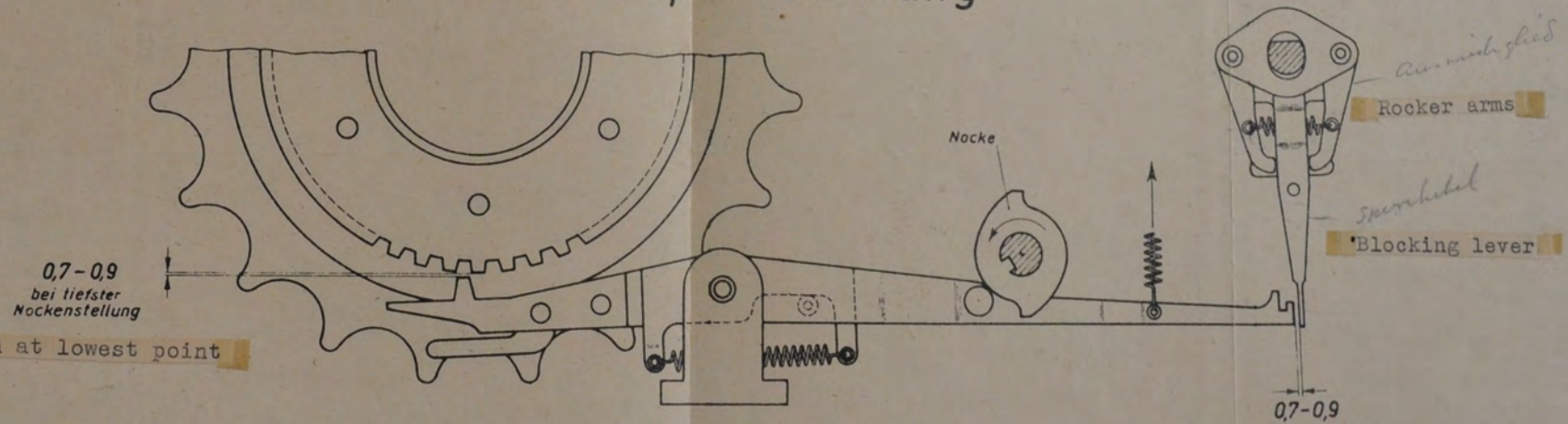
Blocked

# Sperrstellung



Unblocked

# Entsperrstellung



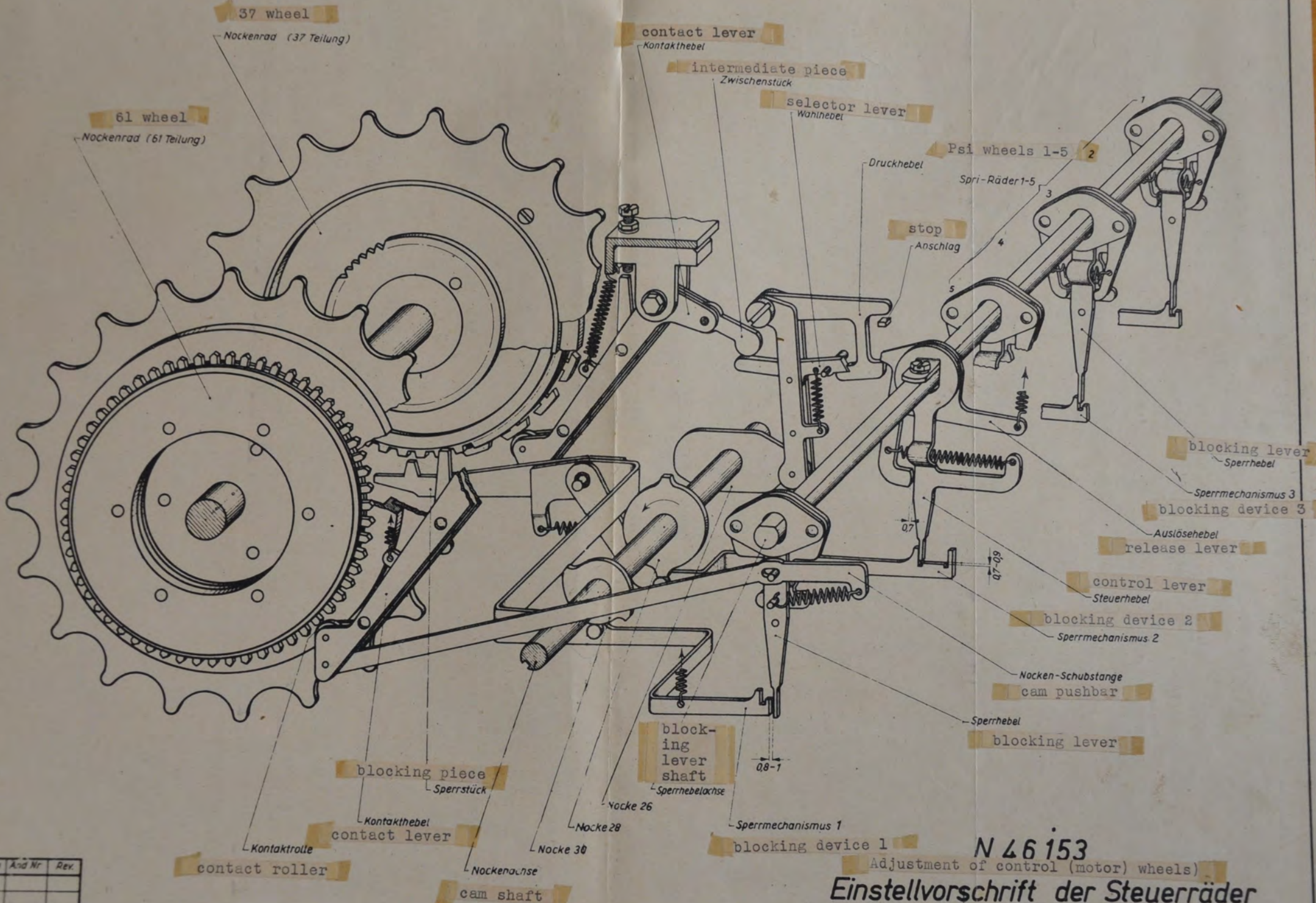
N 46 312

Einfall des Sperrhebels  
Rückansicht der Spring-Räder  
für „G-Zusatz 42“

Rad	43	47	51	53	59
Einfall d. Sperrhebels	1,5	2,5	3,5	4,5	5,5
Feder Nr. 1	46 667	46 667	46 667	46 667	46 667
Feder Nr. 2	47 274	47 274	47 274	47 274	47 274
Feder Nr. 3	46 678	46 678	46 678	46 678	46 678

Ausz.	Datum	Abd. Nr.	Rev.
7	12 2 43		



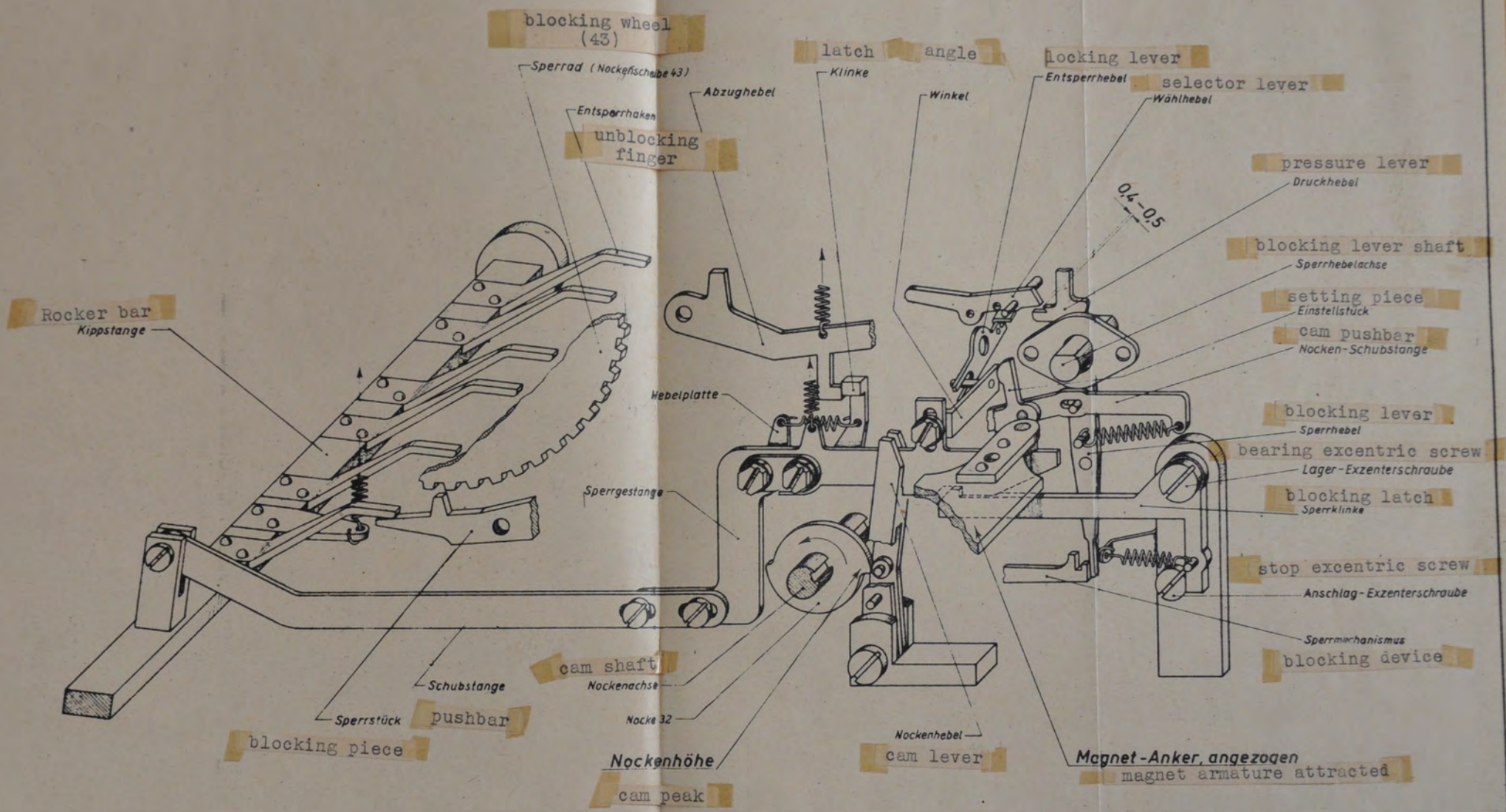


Ausg.	Datum	And Nr.	Rev.
2	24.6.43		
1	12.2.43		

N 46 153

Adjustment of control (motor) wheels.  
**Einstellvorschrift der Steuerräder**  
 Halten der Spri-Räder  
 Holding back psi wheels.





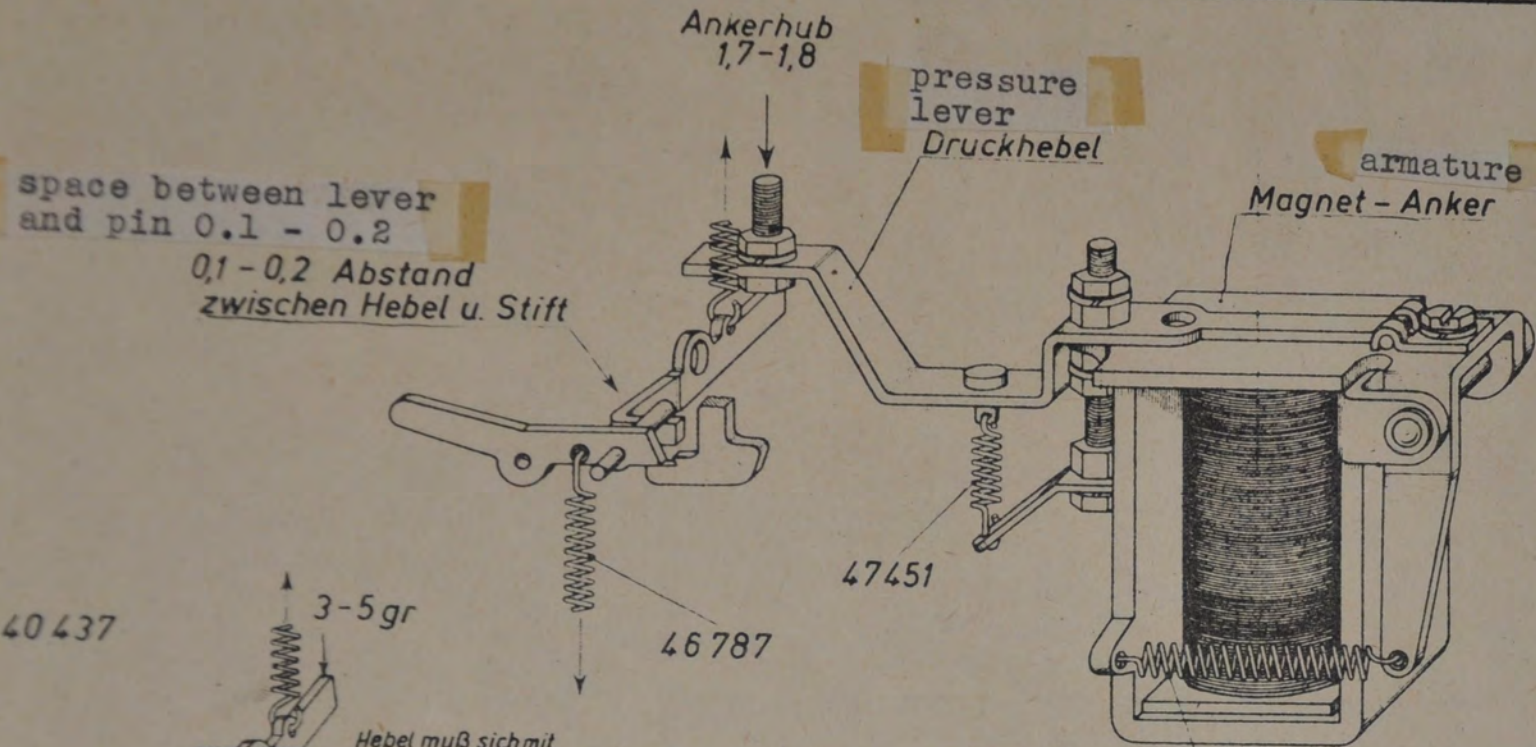
N 46 332  
 Arbeitsstellung  
 des Entsperrgestänges  
 für Gerät G-Zusatz 42  
 Working position of unblocking bar

Ausg	Datum	And.Nr.	Rev.
1	12.2.43		

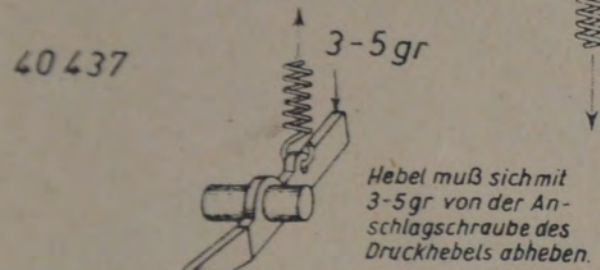


**Betriebswert** 2000 Ω  
76 Volt = 38 mA

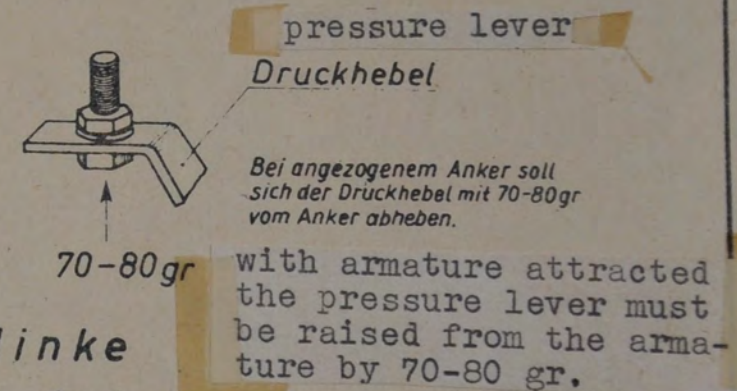
**Ansprechwert**  
Bei ca. 80 Volt muß der  
KM Magnet in den Grenzen  
von 30 - 33 mA ziehen.



armature not  
attracted  
**Magnet - Anker**  
nicht angezogen



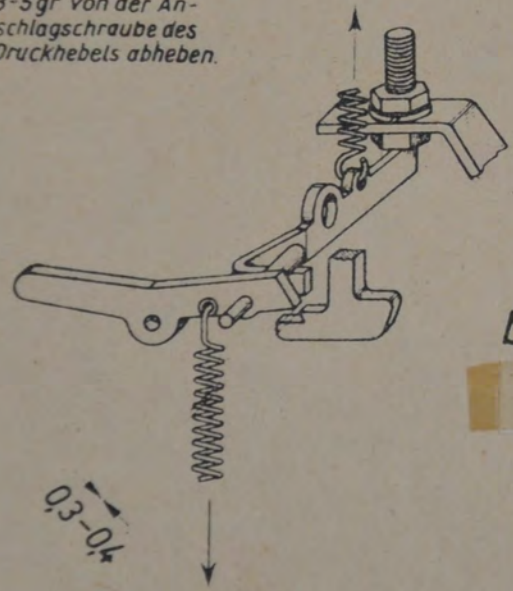
lever must be  
raised from  
stop screw of  
pressure lever  
by 3-5 gr.



with armature attracted  
the pressure lever must  
be raised from the arma-  
ture by 70-80 gr.

**Stellung der Sperrklinke  
bei angezogenem Magnet - Anker**

position of blocking latch  
with armature attracted

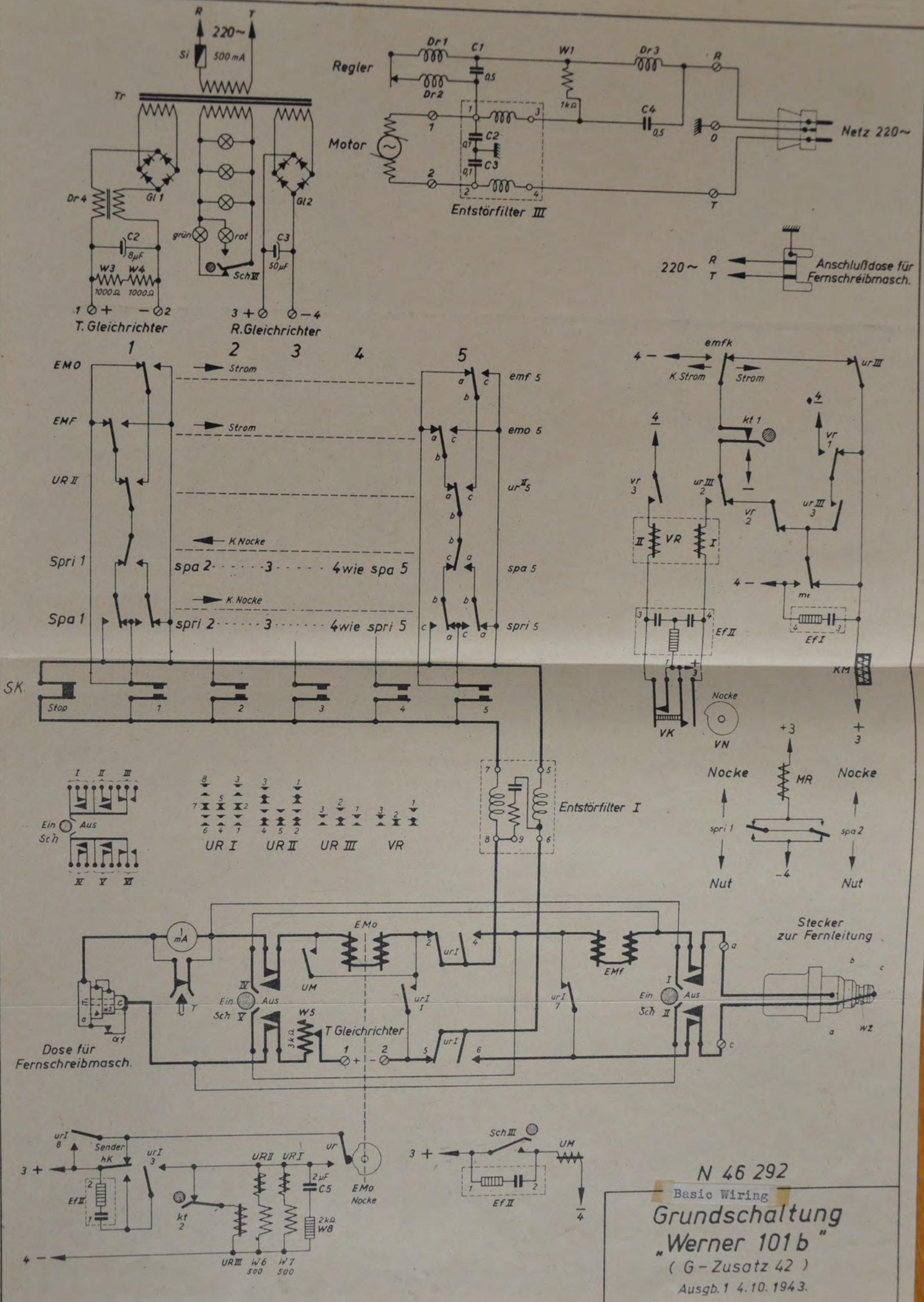


Ausg	Datum	And Nr	Rev
2	22.8.43		
1	12.2.43		

**KM Magnet**  
für die Klartextfunktion  
G-Zusatz 42  
N 47 001

KM Magnet  
Plain Text Limitation





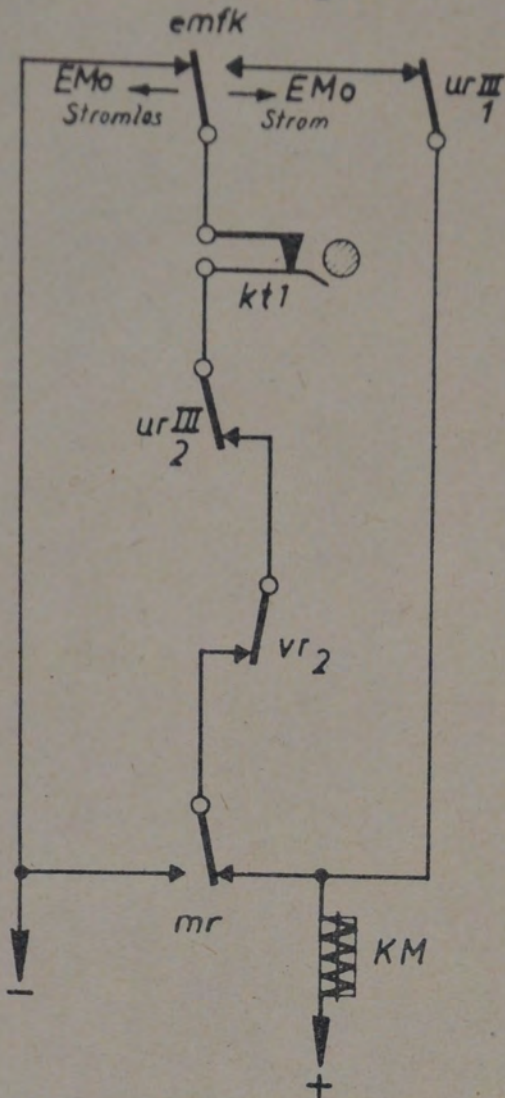
N 46 292  
 Basic Wiring  
**Grundschaltung**  
**"Werner 101b"**  
 (G-Zusatz 42)  
 Ausg. 1 4.10.1943.



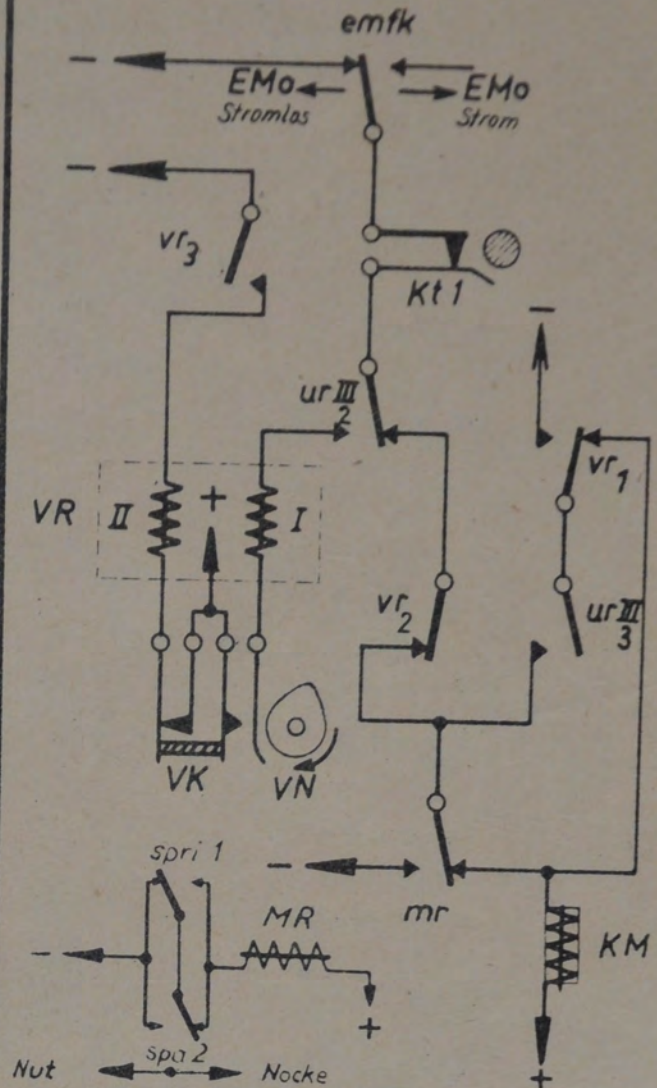
with plain text limitation

Gerät mit Klartextfunktion in Betriebsrichtung:

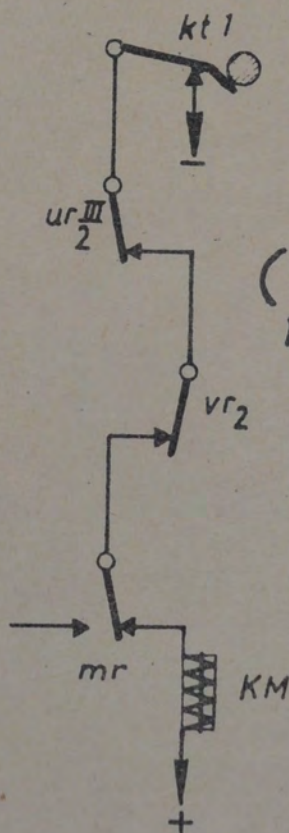
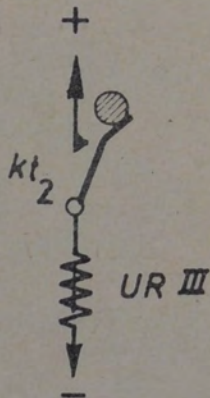
receiving  
„Empfang“



sending  
„Senden“



Gerät ohne Klar-  
textfunktion



(dieser Stromlauf gilt für beide Betriebsrichtungen)

for both directions

without plain text limitation

Klartextfunktion

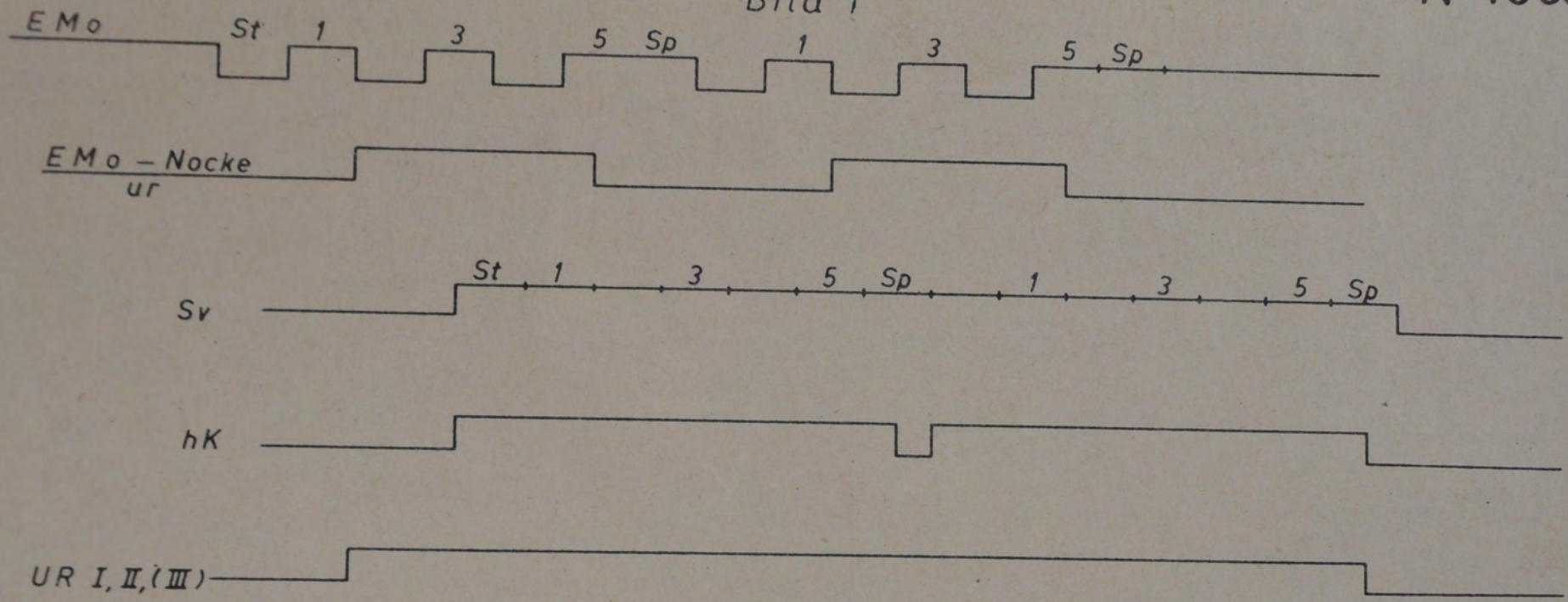
„Werner 101b“  
Ausgb. 1 4.10.1943.

N 46 801

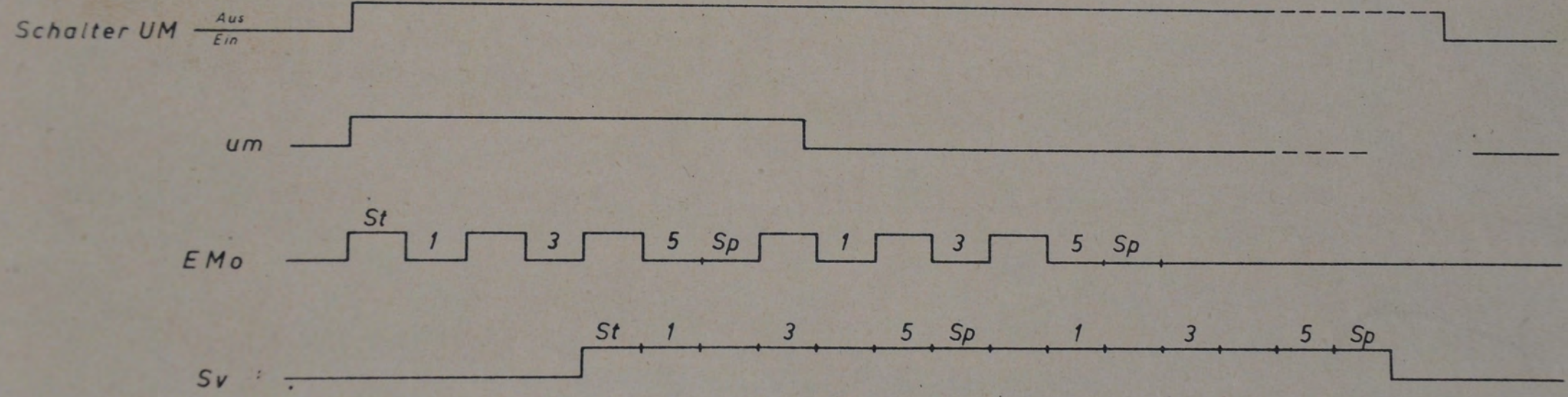


Betätigung von UR beim Sendevorgang  
Bild 1

N 46032



Schaltvorgänge beim zweimaligen Umlauf  
Bild 2





Richtungswechsel ohne Vorzeichenänderung von emfk  
Bild 3

N 46 392

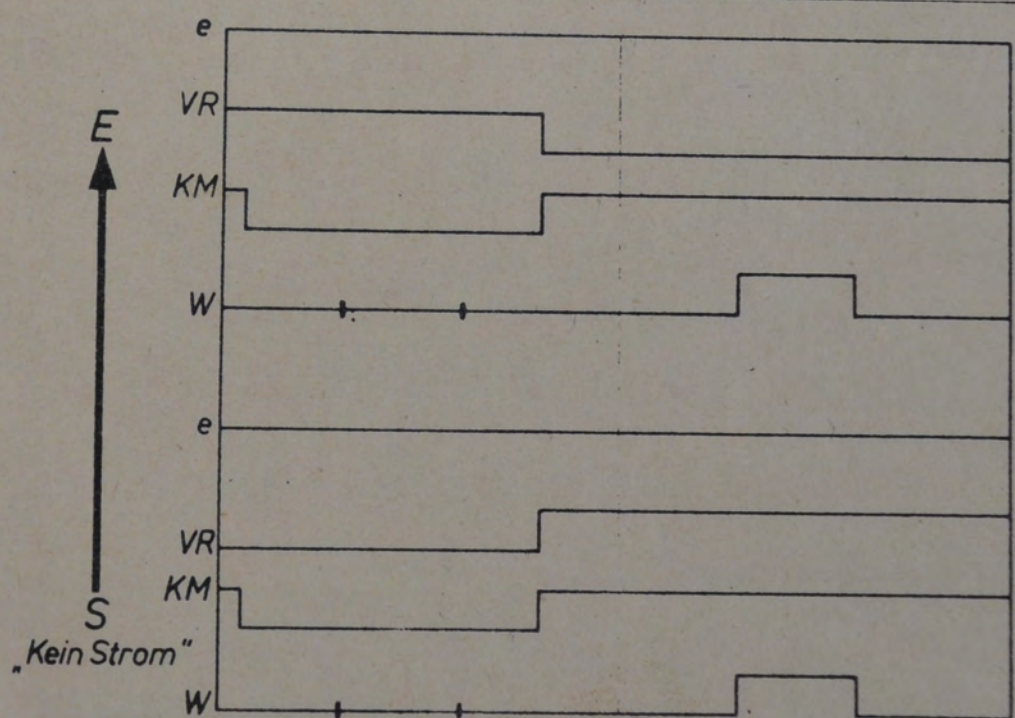
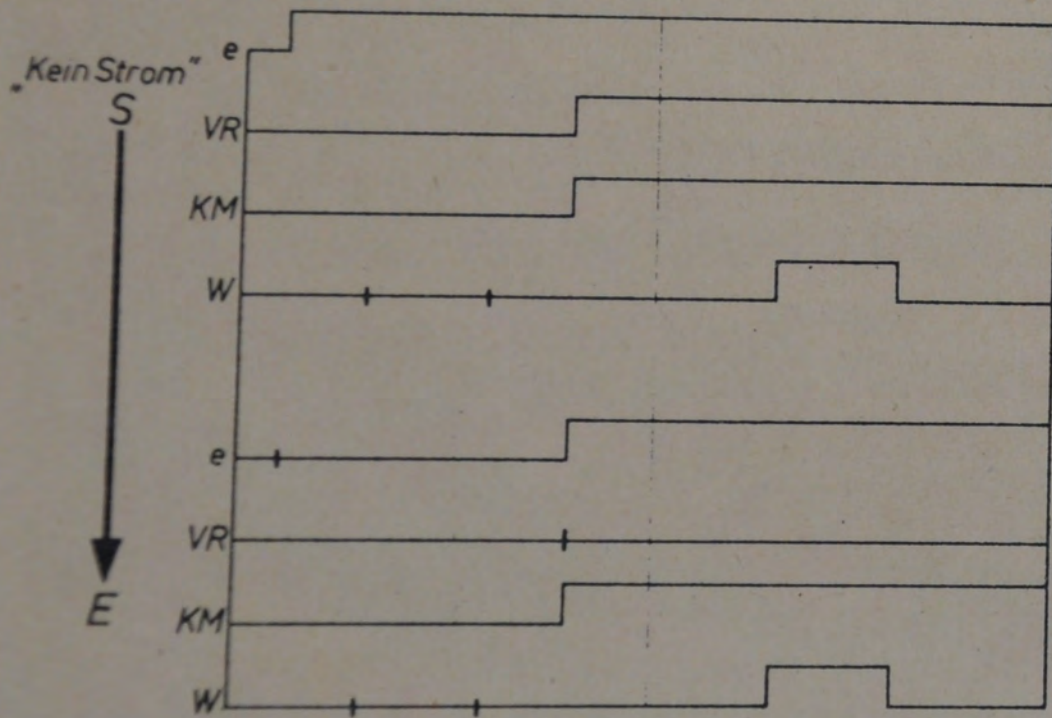
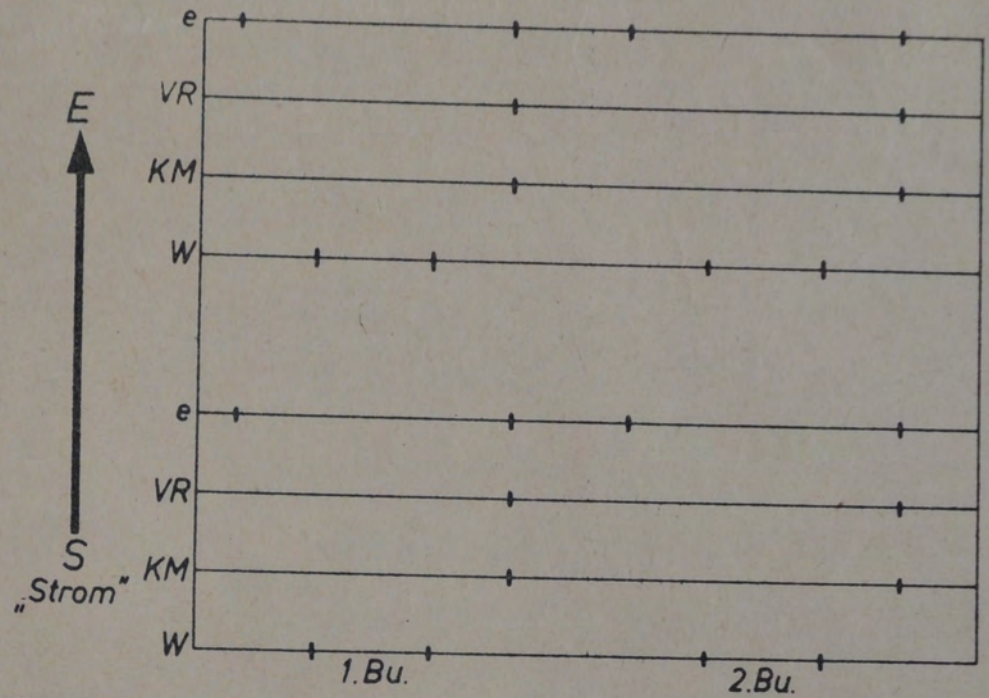
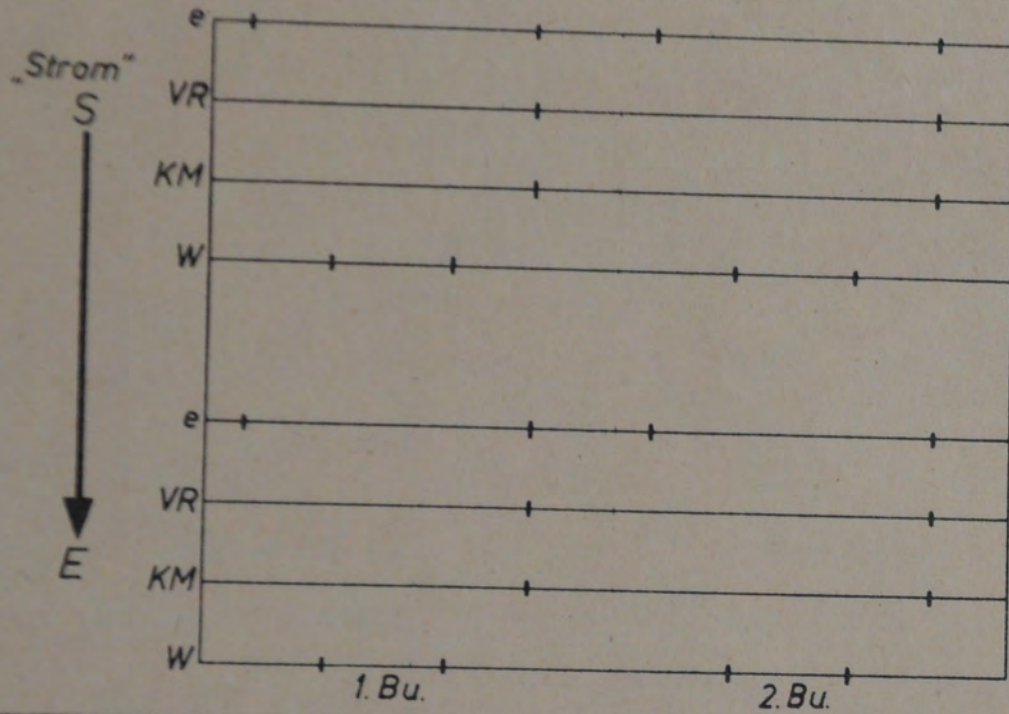
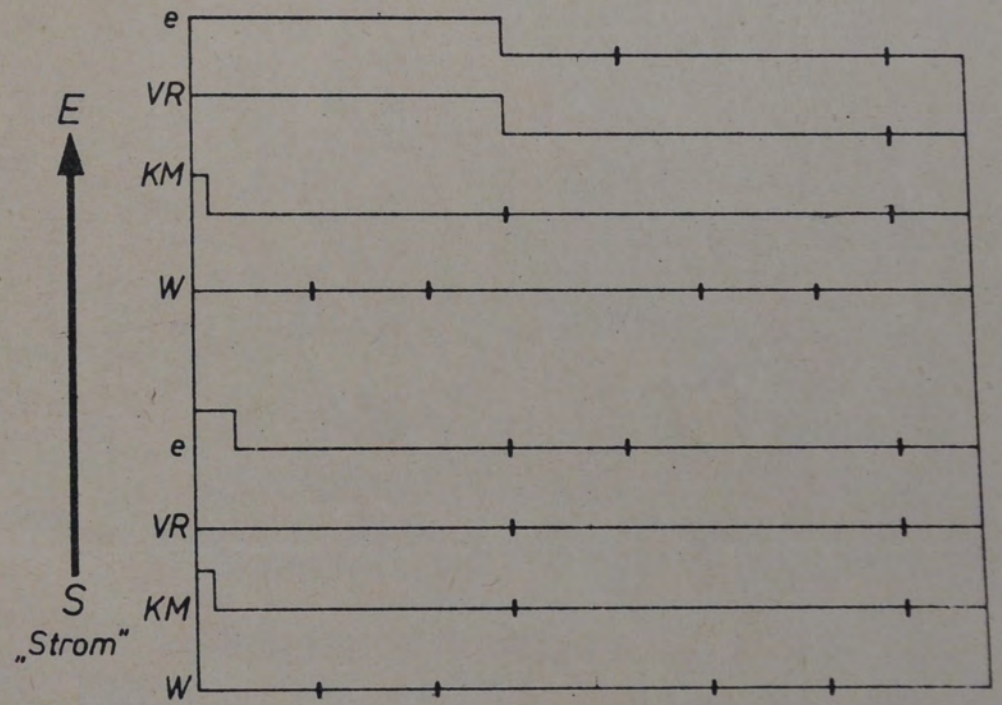
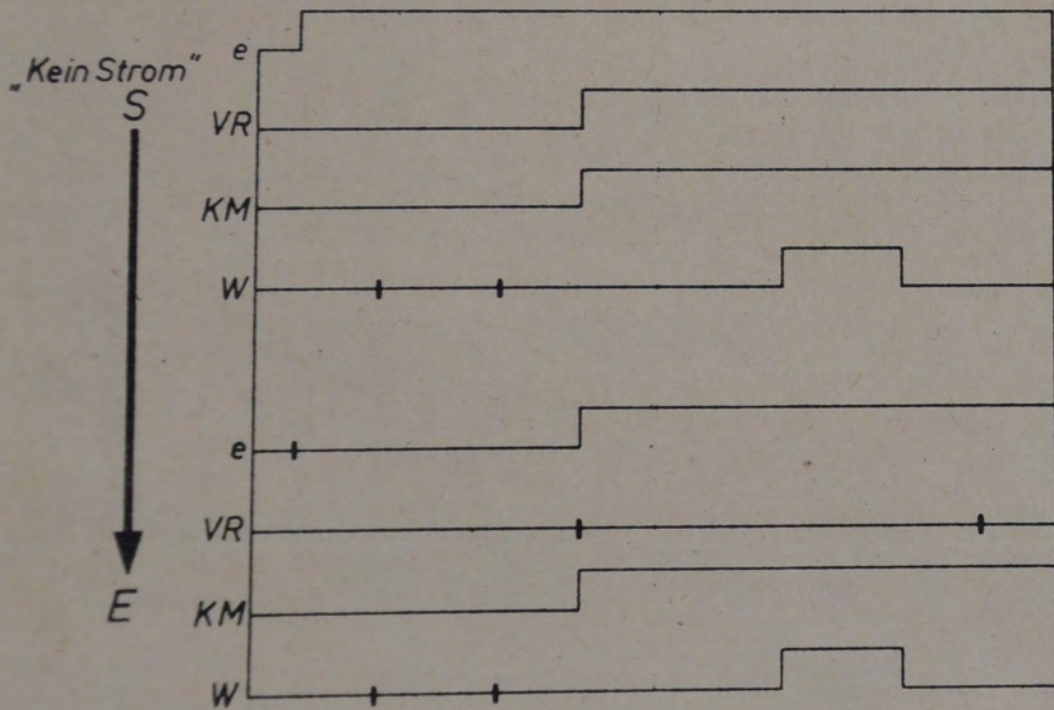
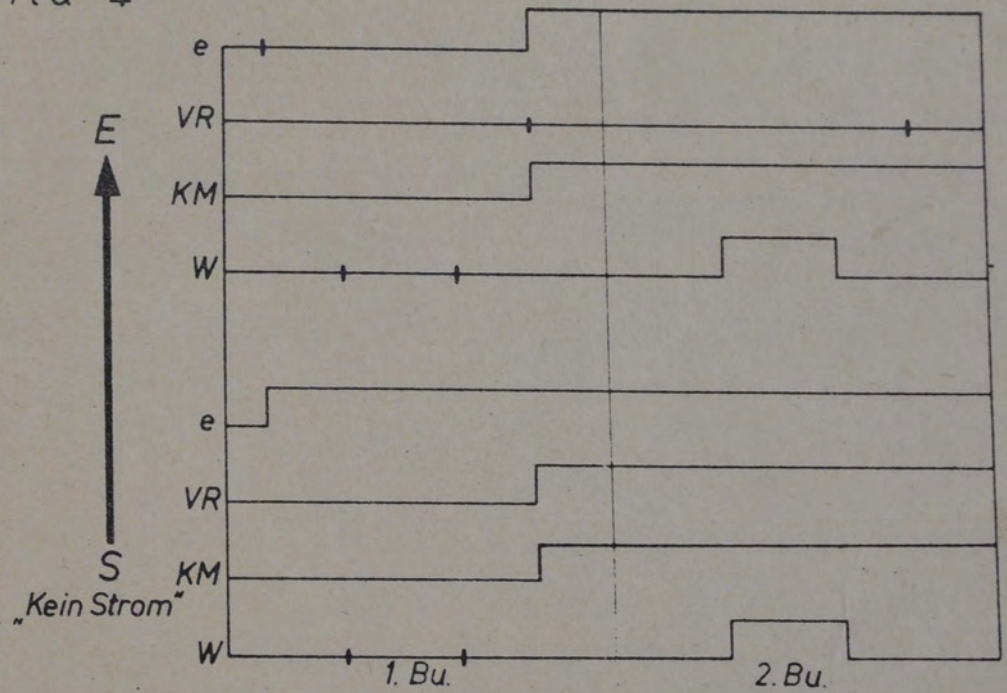
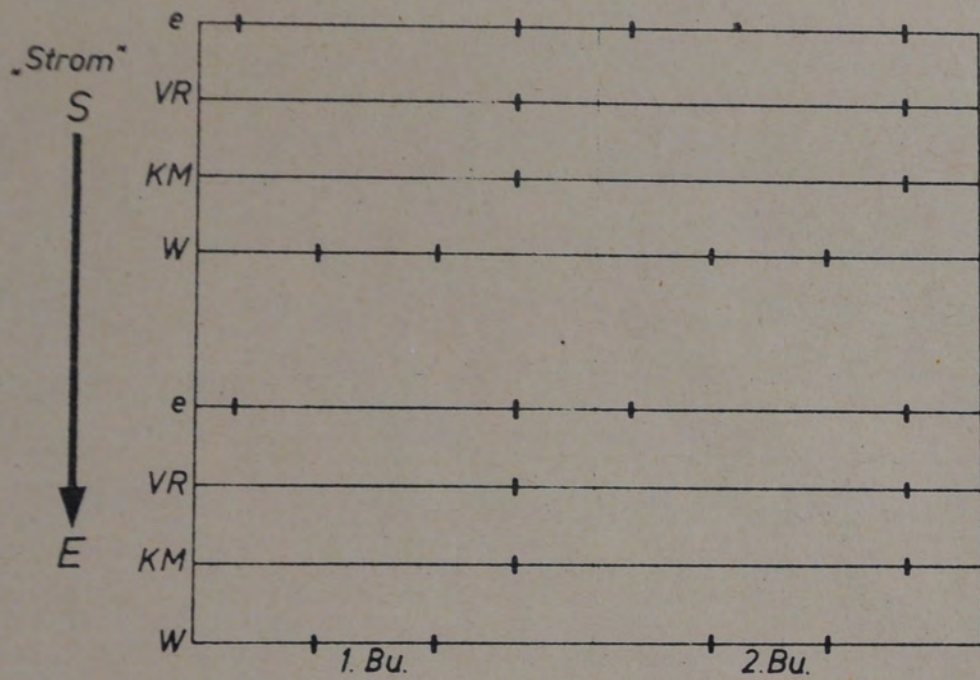
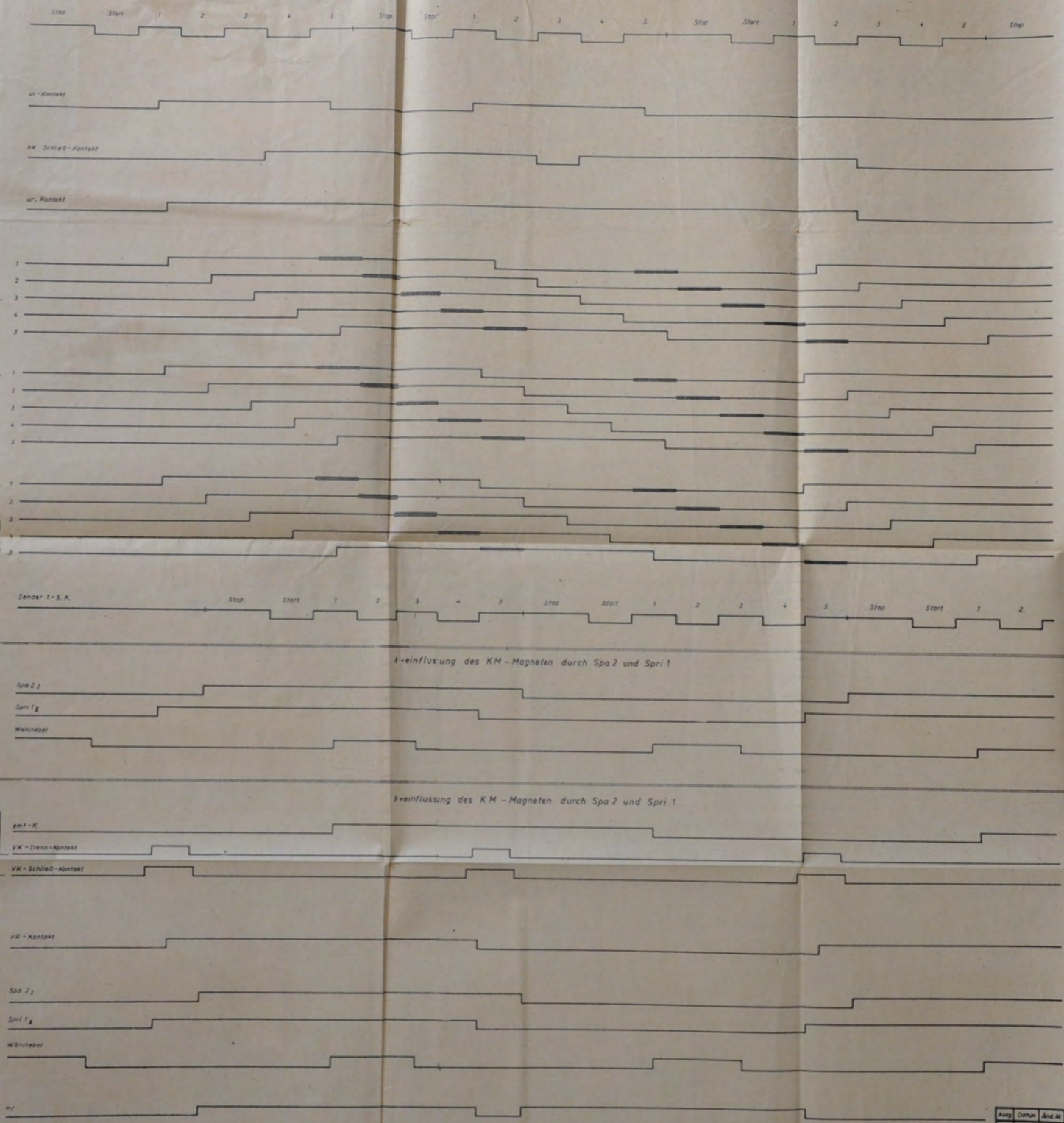
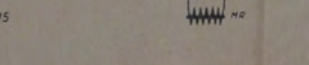
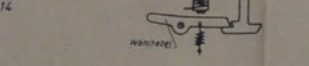
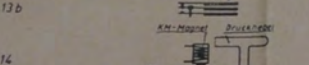
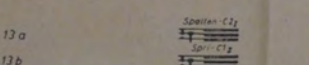
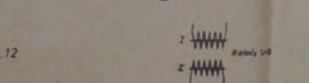
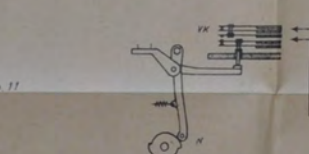
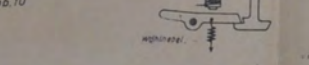
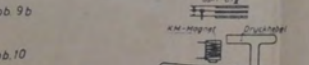
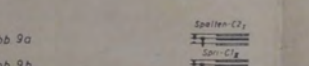
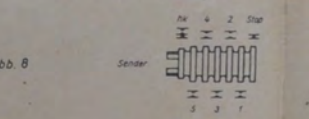
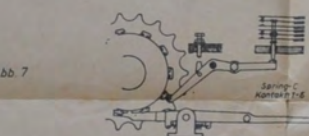
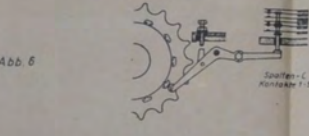
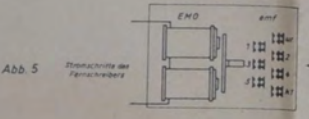
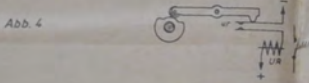
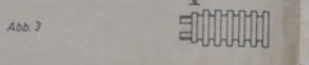
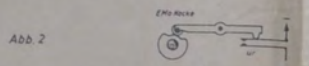
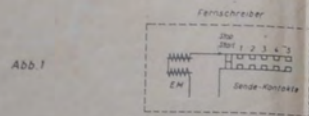




Bild 4







t-einflussung des KM-Magneten durch Spa 2 und Spri 1

t-einflussung des KM-Magneten durch Spa 2 und Spri 1

ohne KT

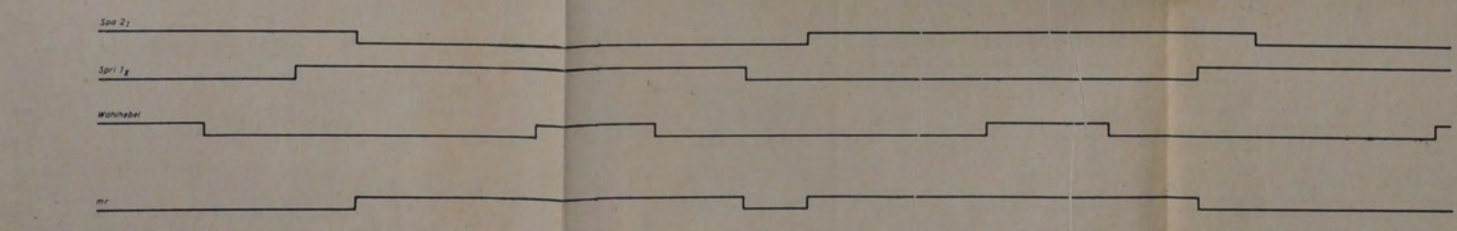
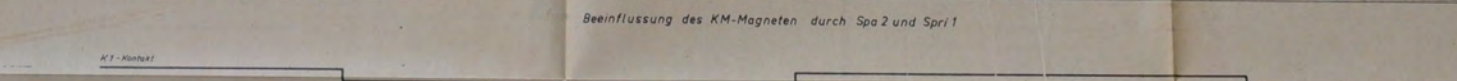
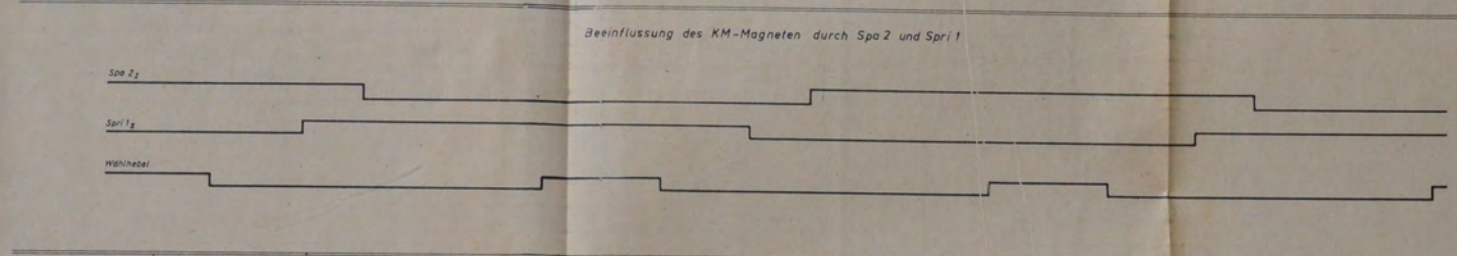
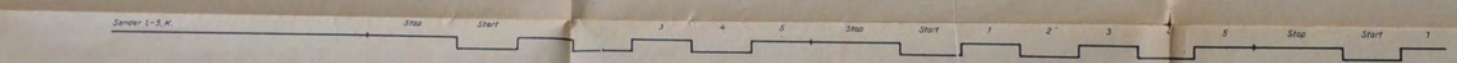
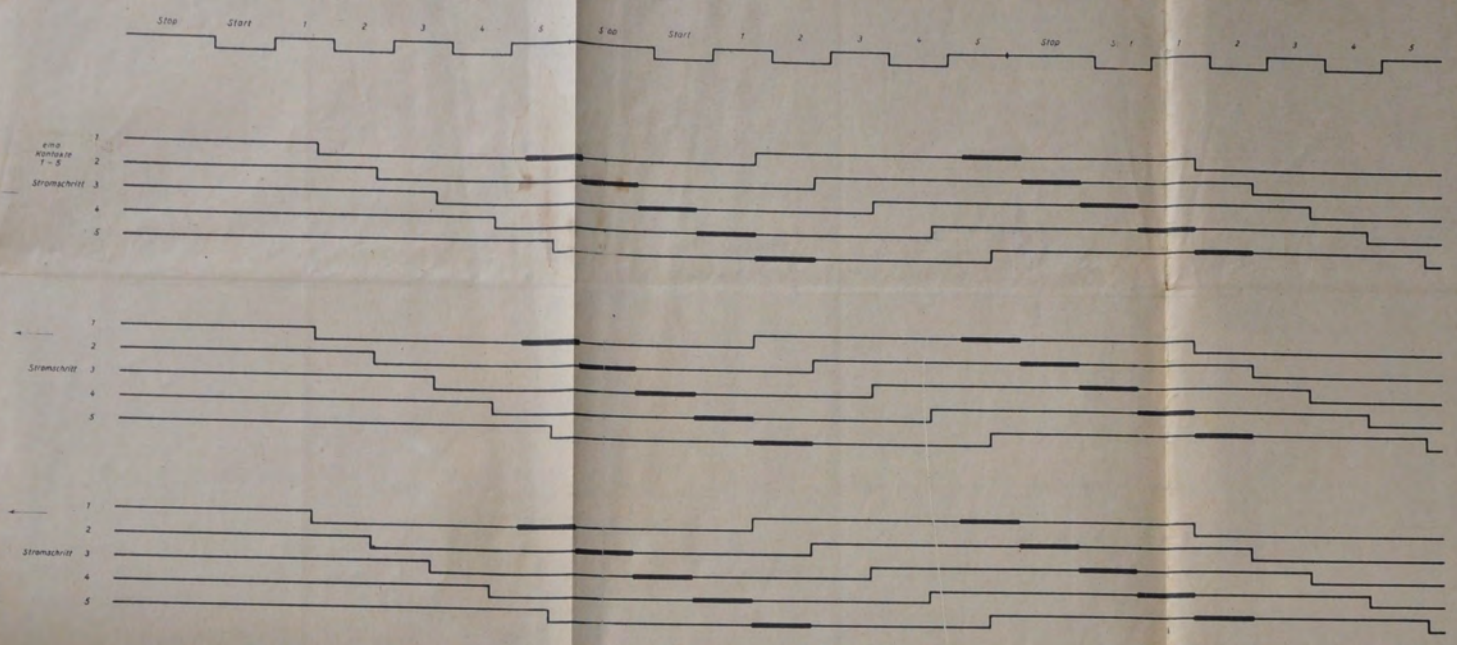
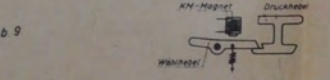
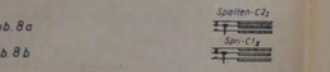
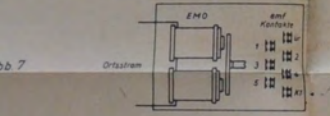
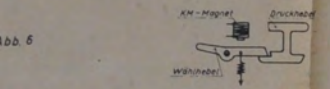
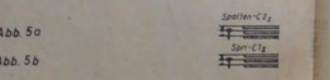
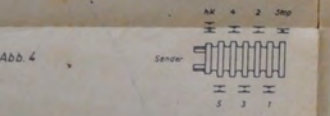
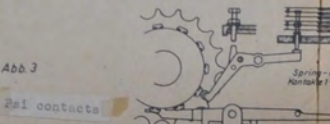
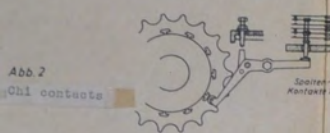
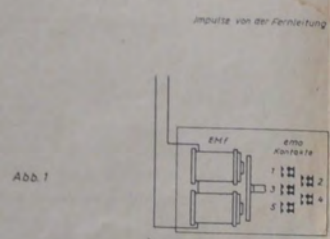
mit KT

N 46094

Ang.	Datum	Änd. Nr.	Bl.
1	3.3.43		
2	17.6.48		

Funktions - Diagramm  
Sender  
Schl - Zus 42 (Werner 101 b)





N 46 104

Ang.	Datum	Änd. Nr.	Ben.
1	33.43		
2	17.6.43		

Funktions - Diagramm  
Empfänger  
Schl. - Zus. 42 (Werner 101 b)