

The Unlikely Story of the Hammond Organ

How It Works, And How It Made Its Way Into Jazz

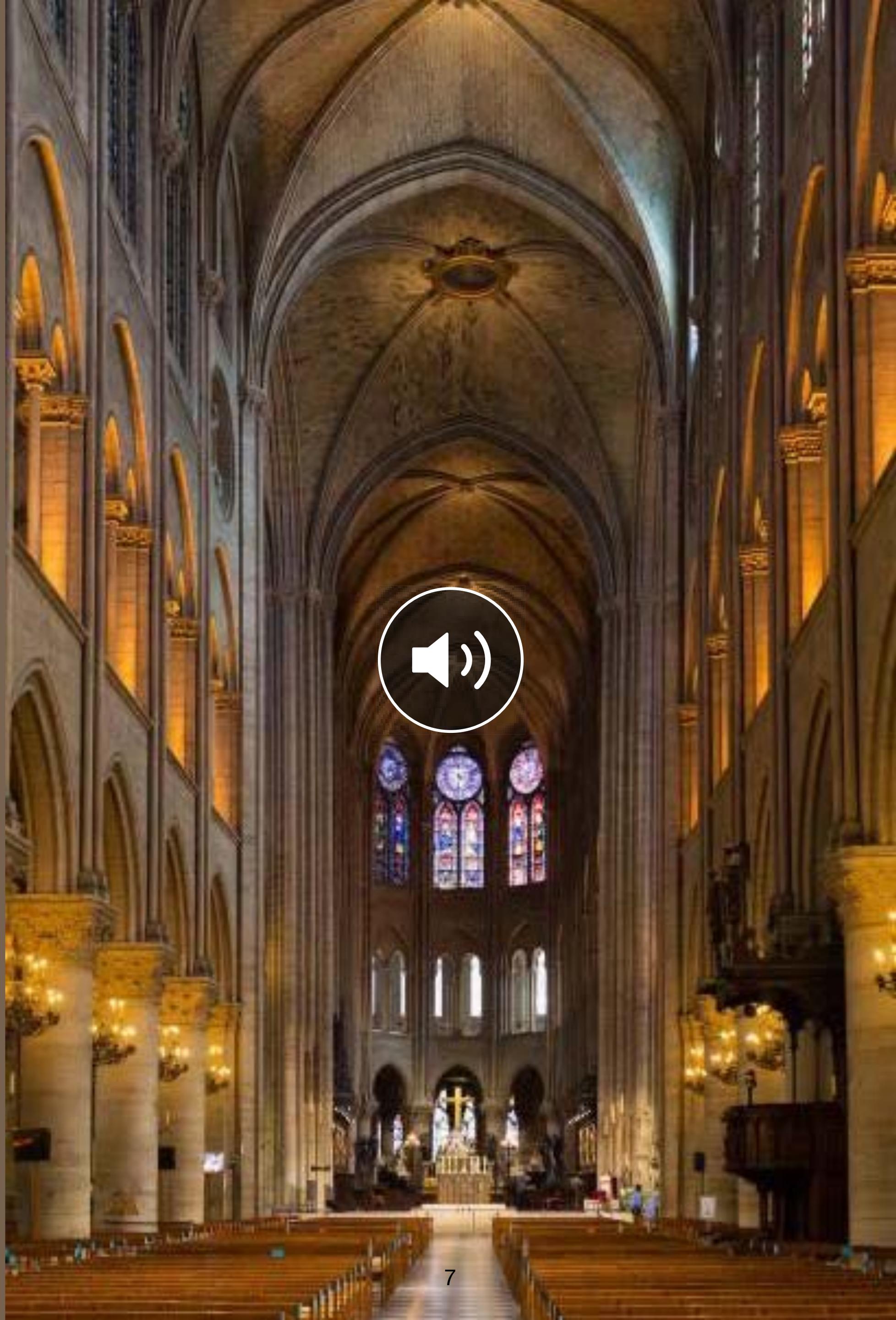




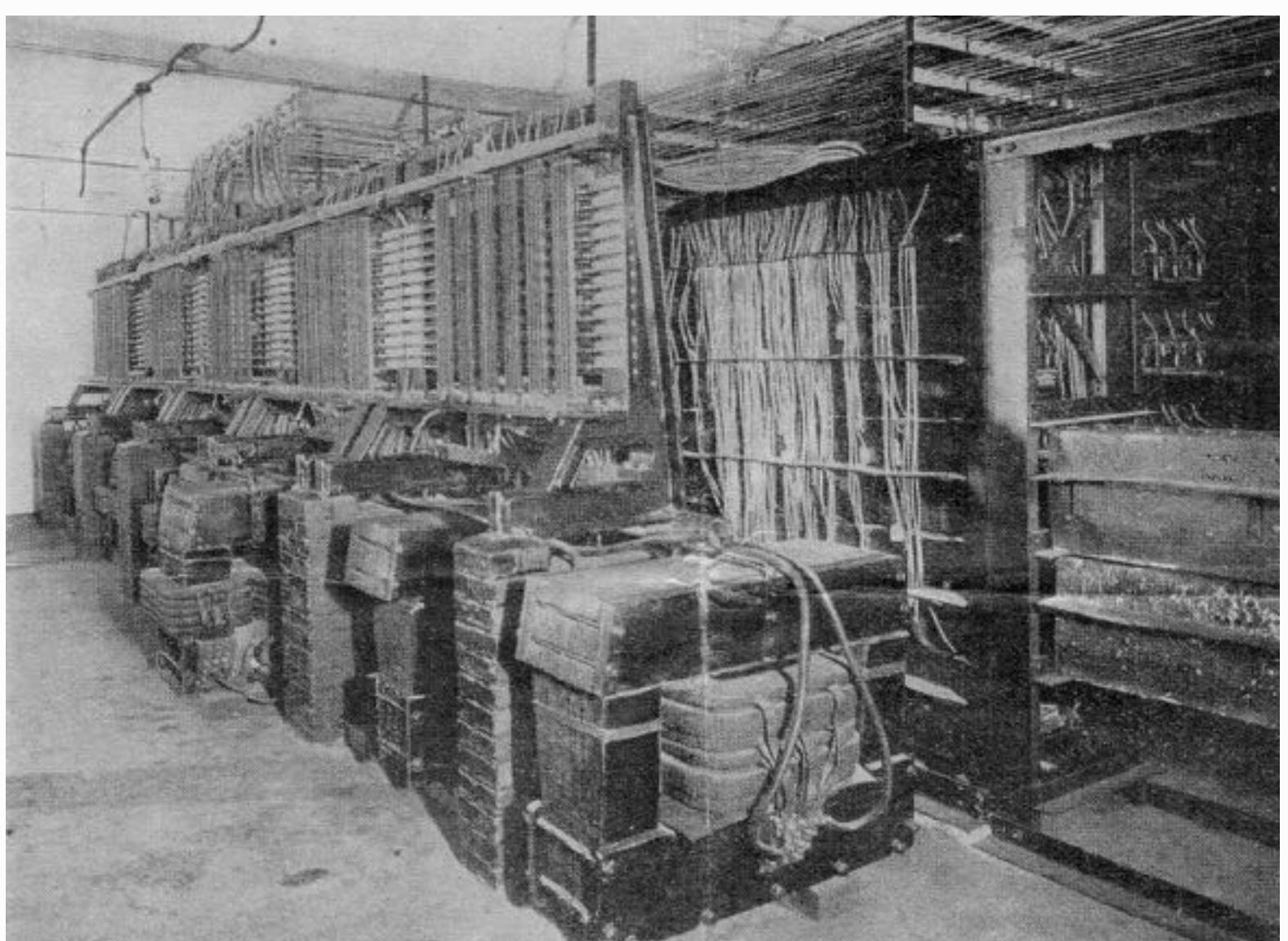
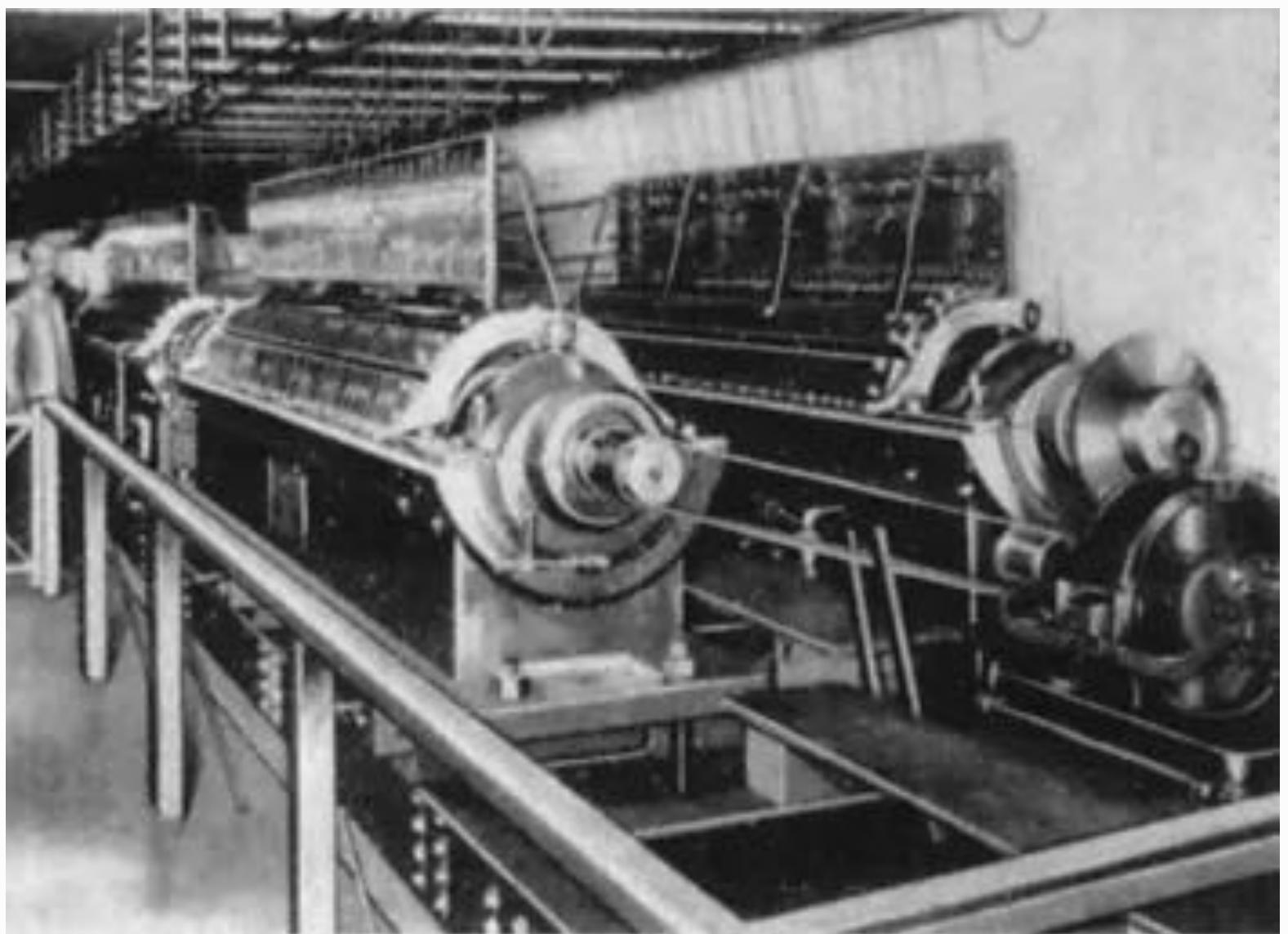
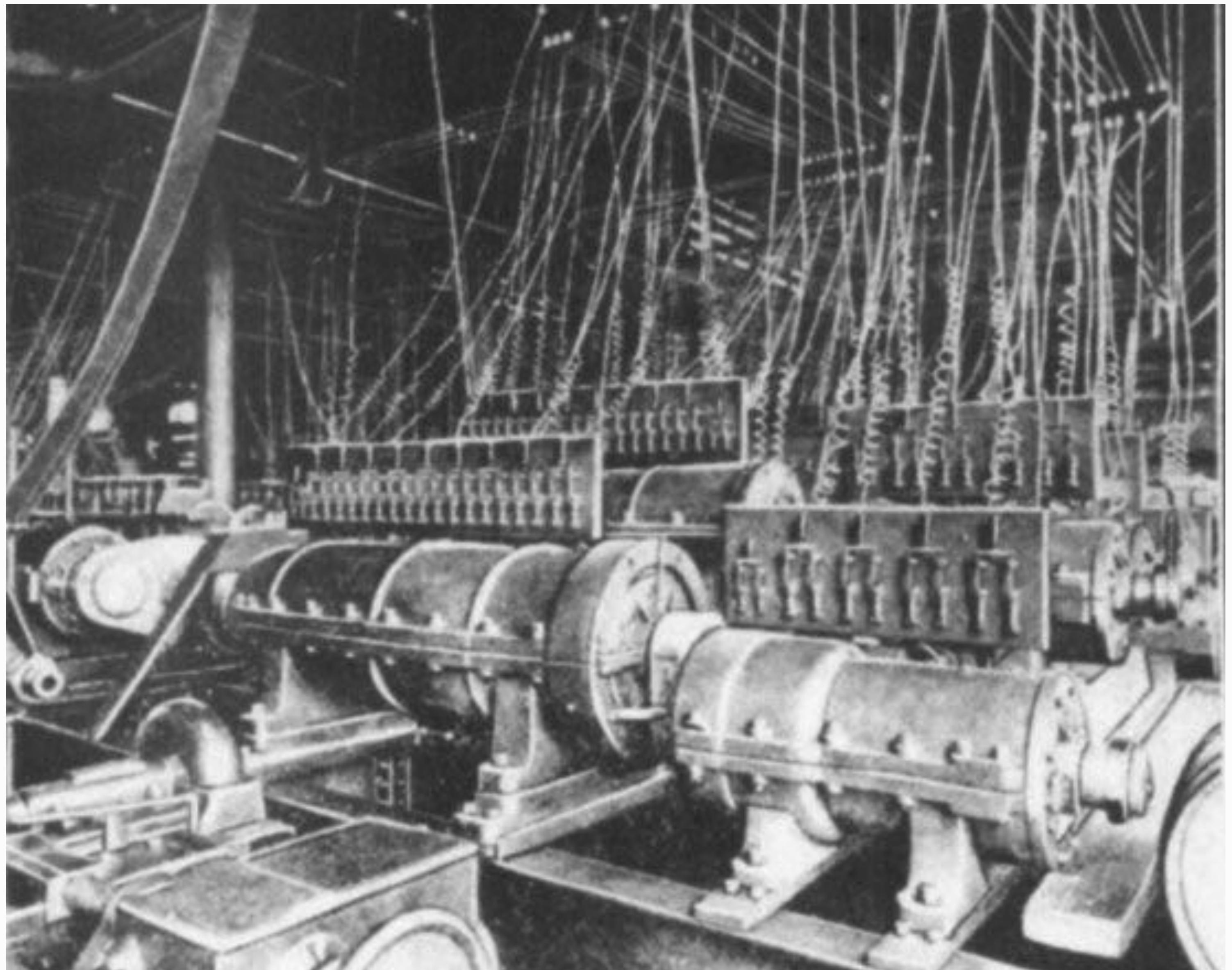


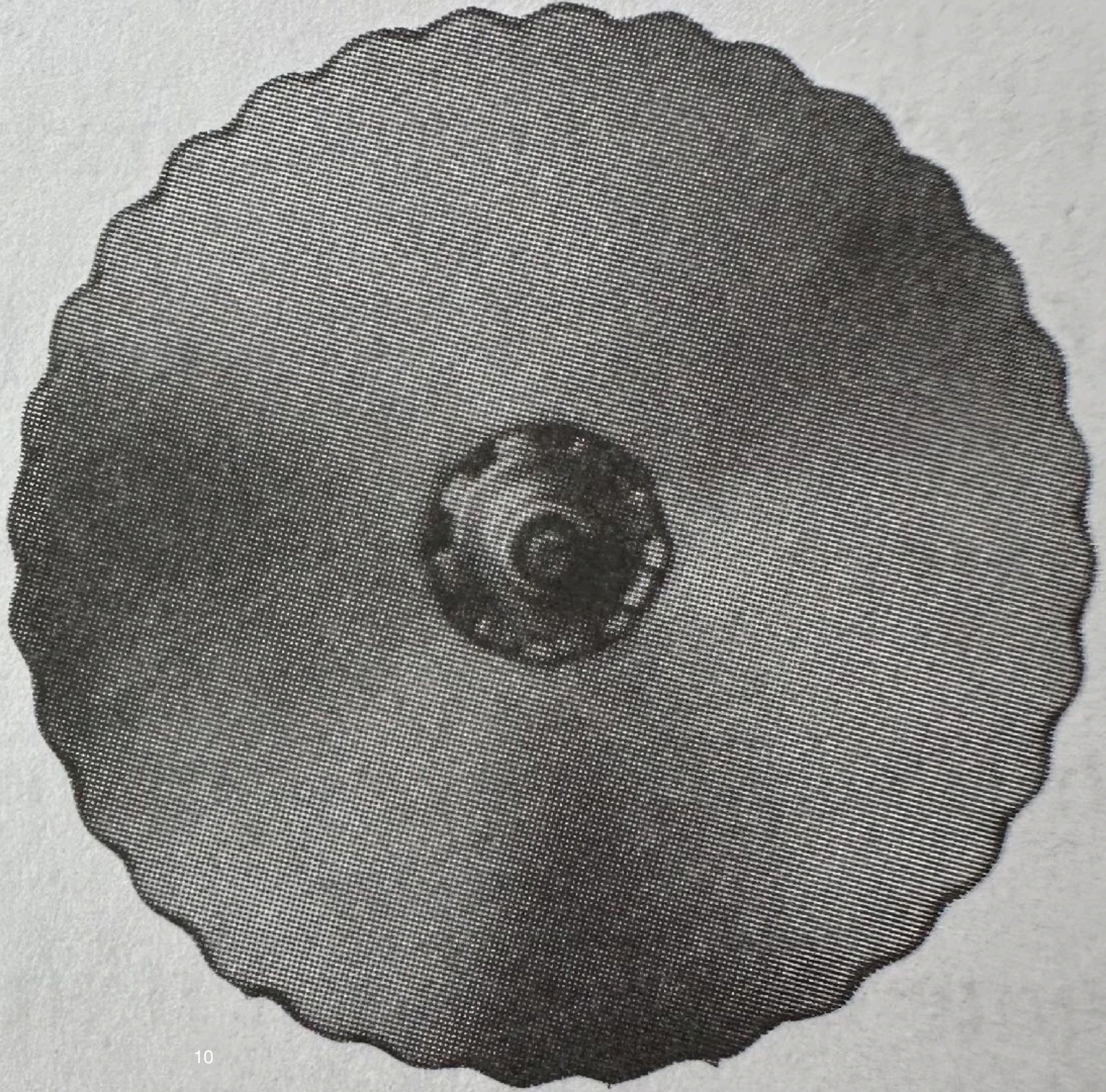
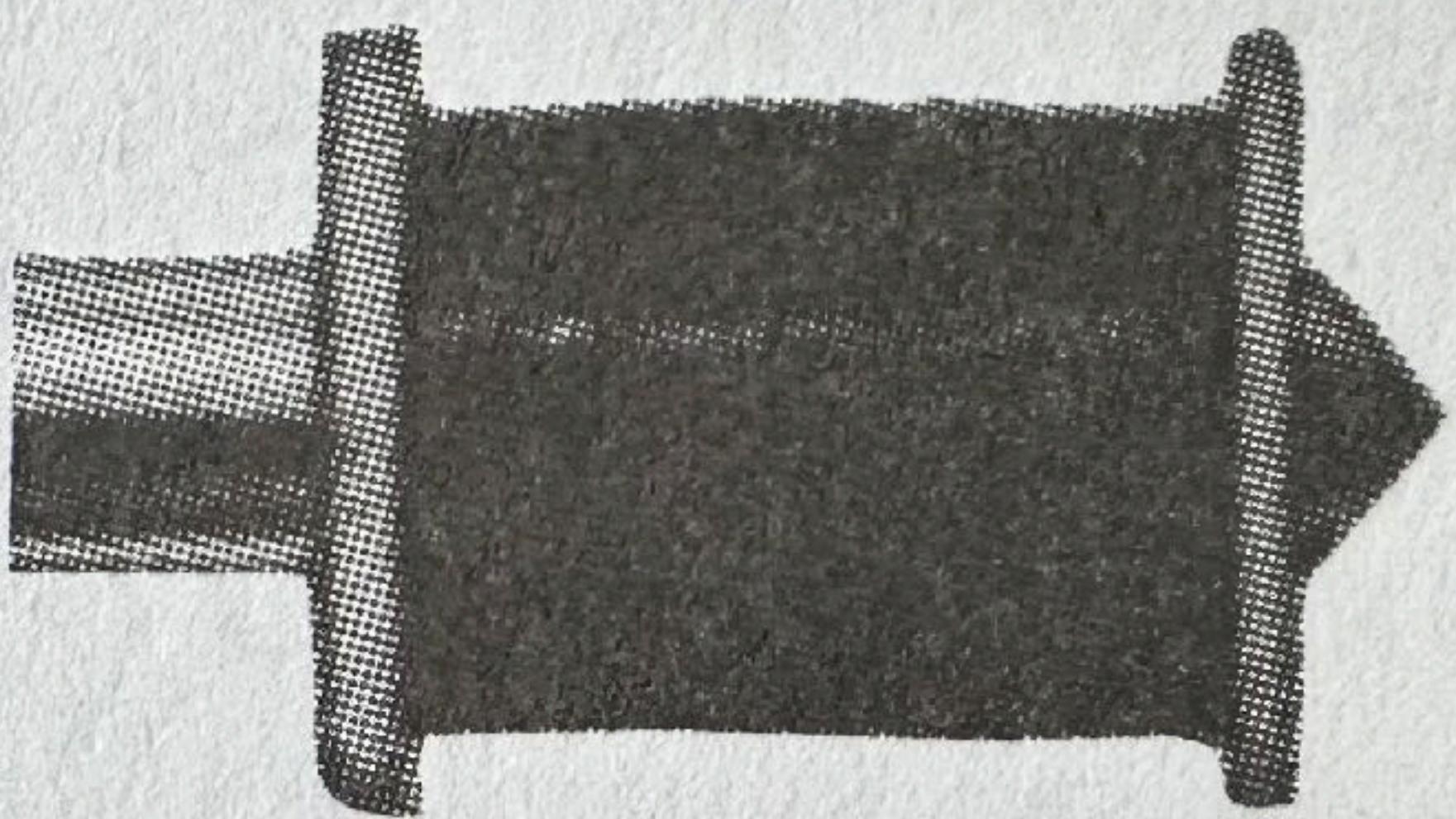


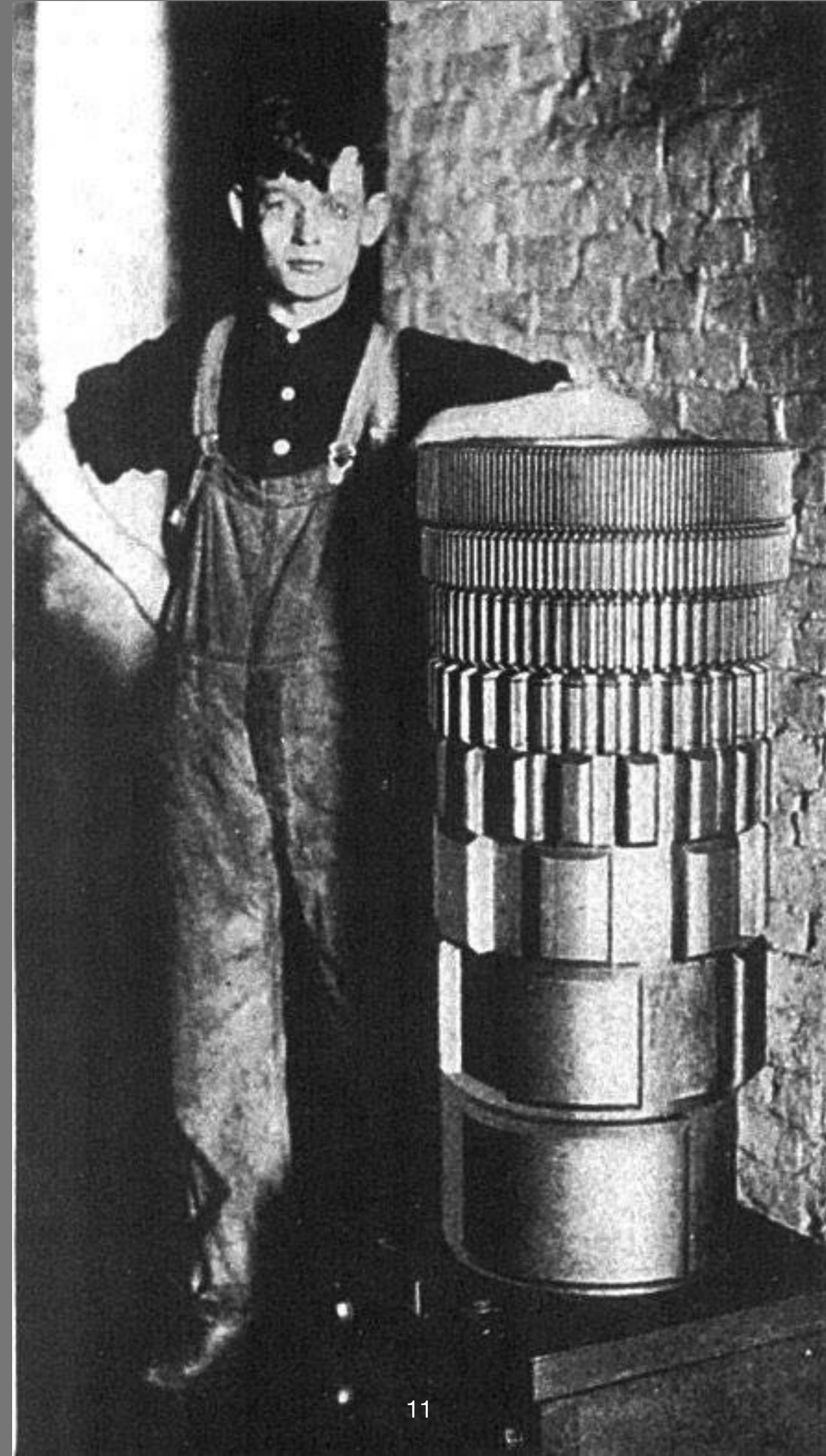


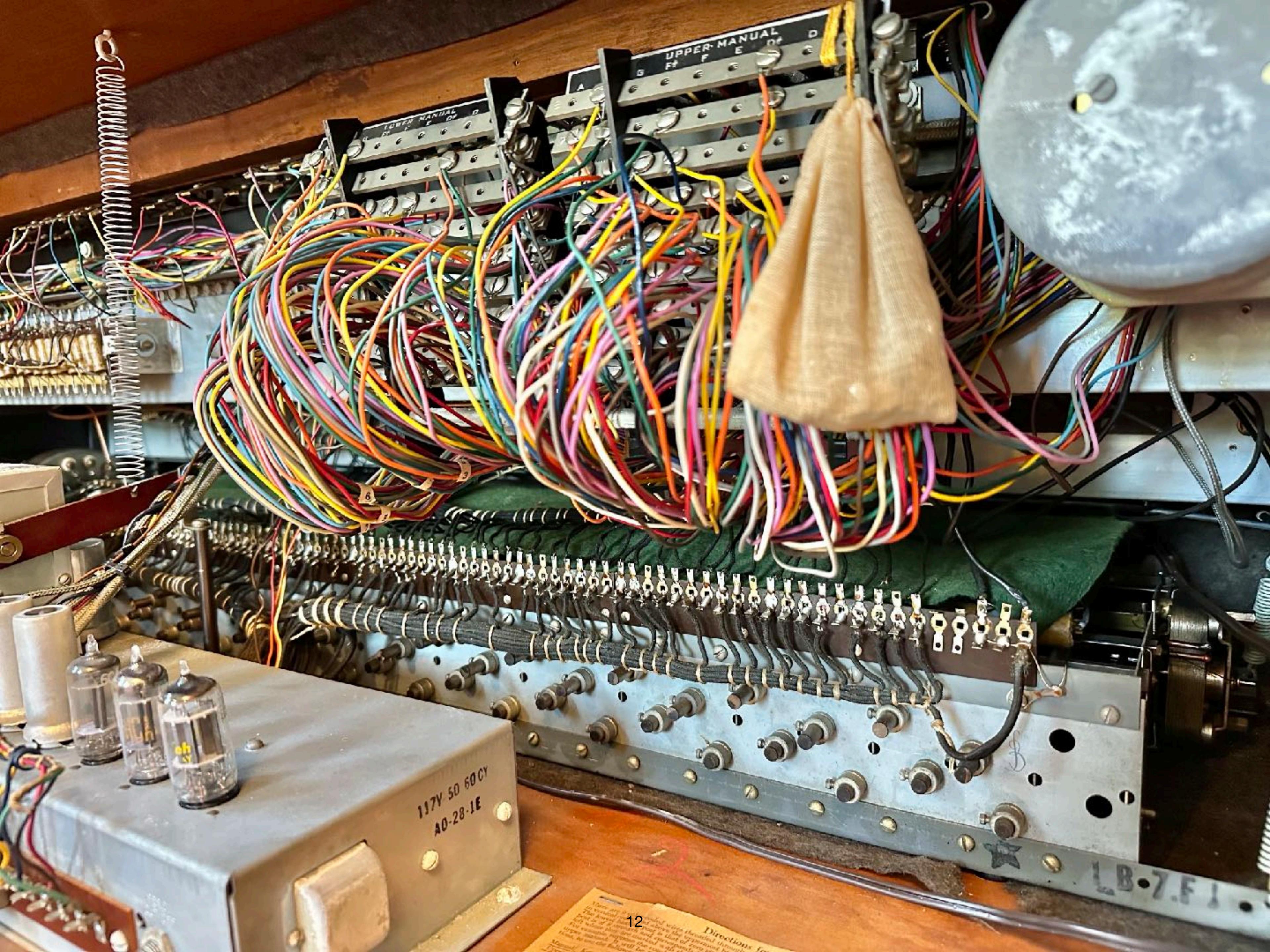




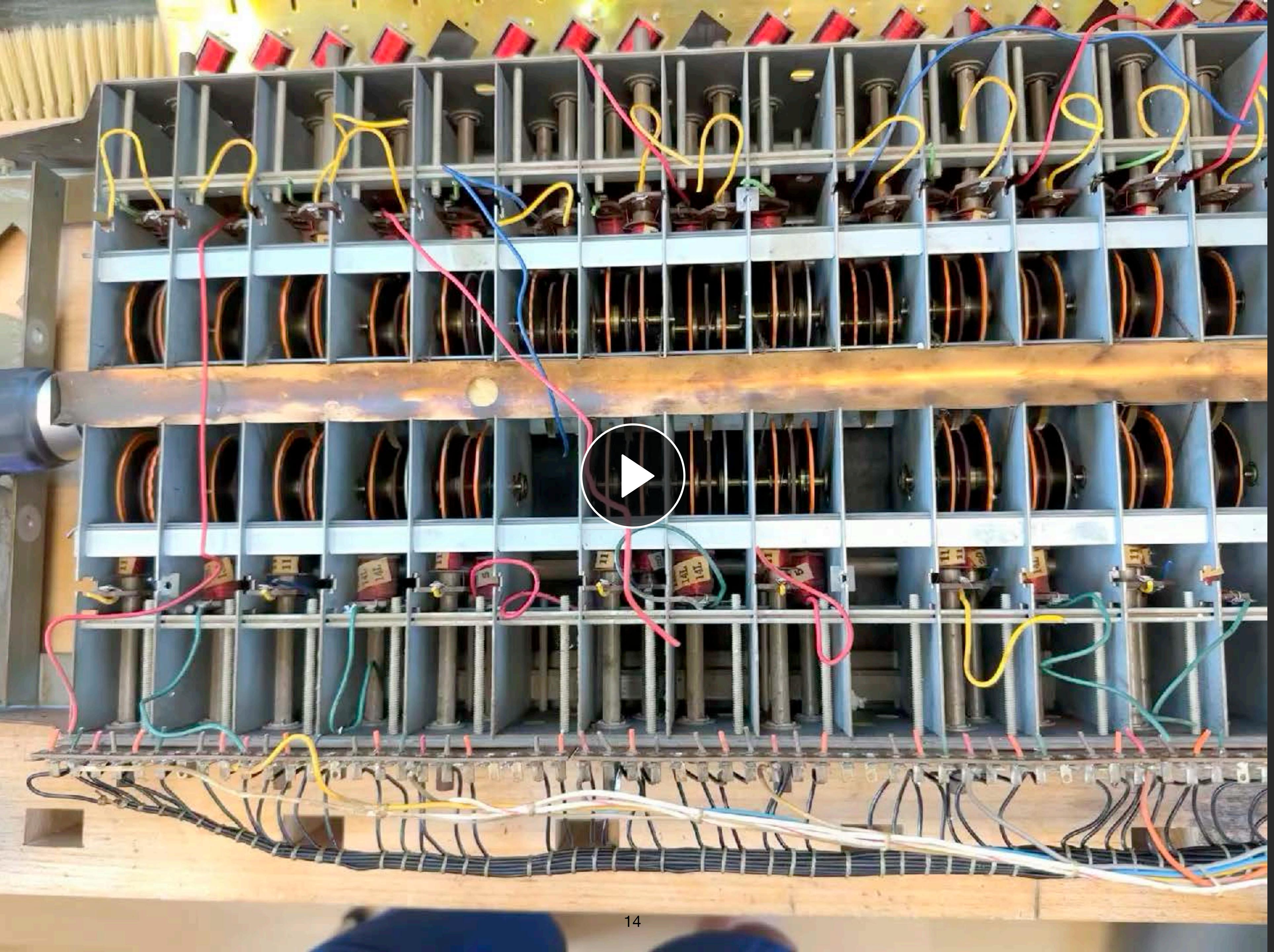


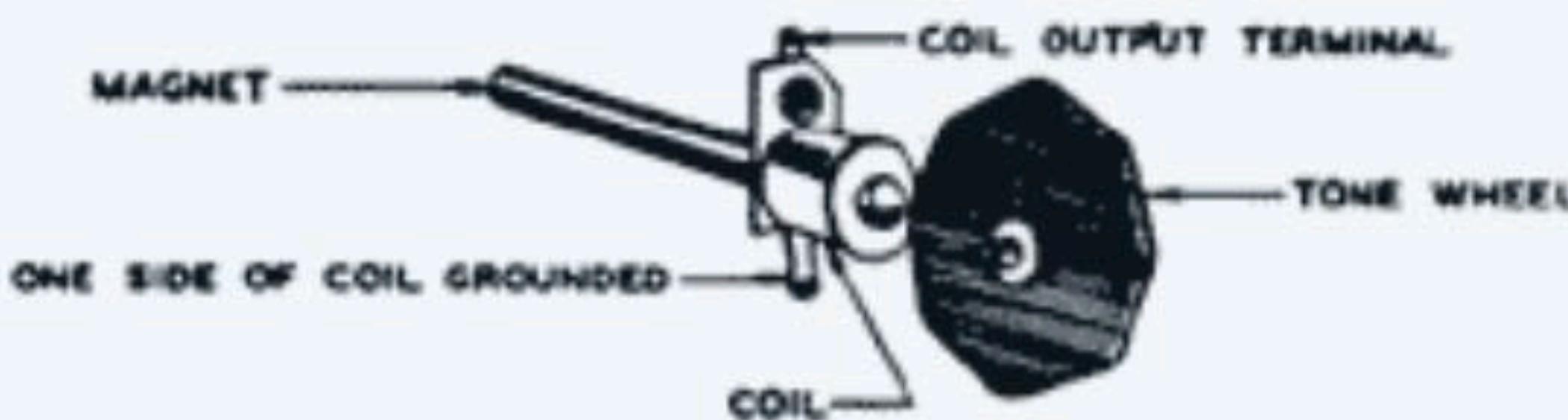




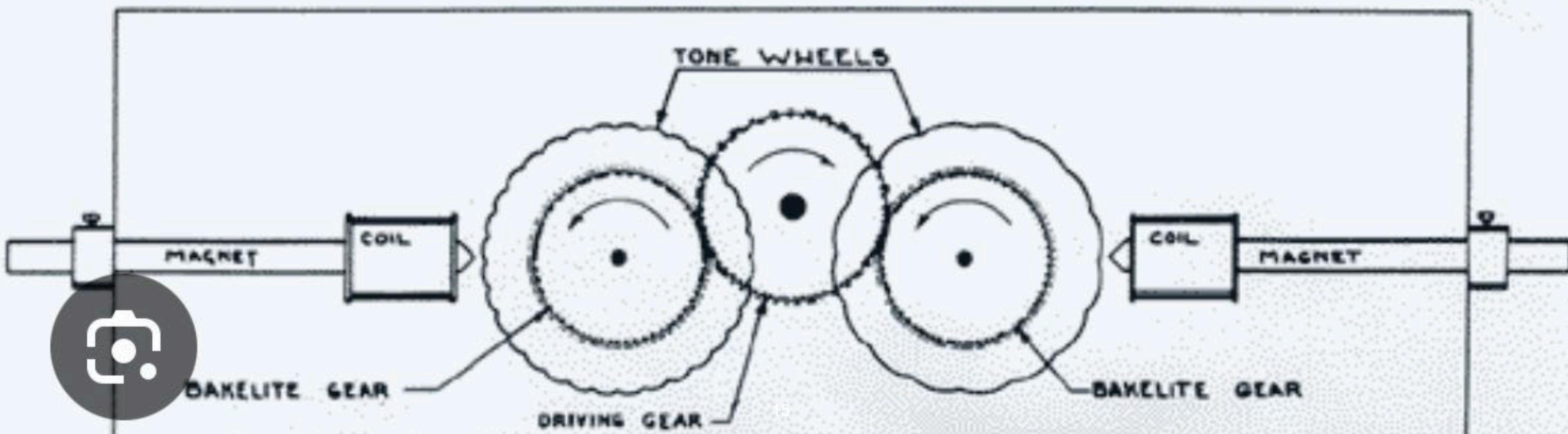


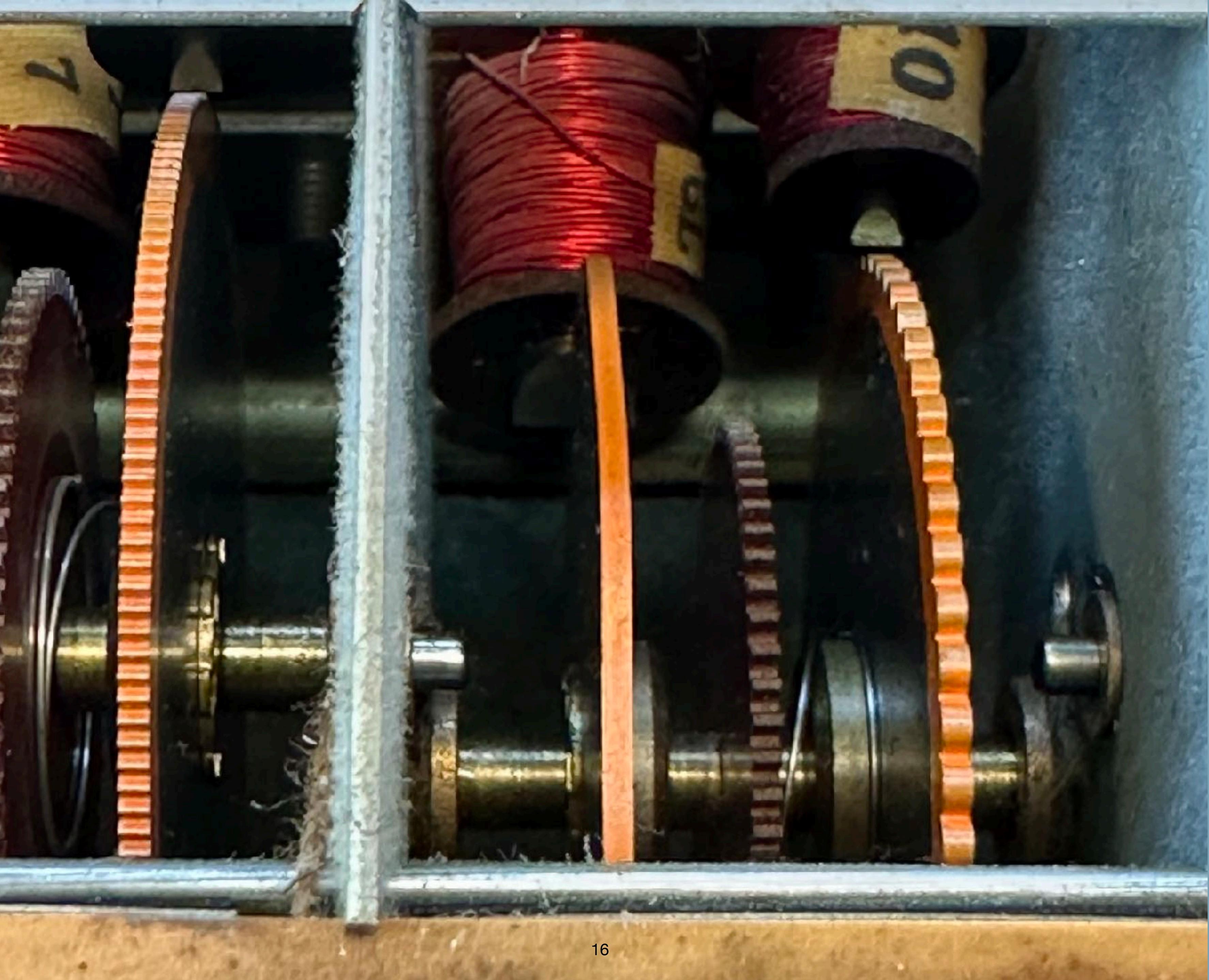






TONE GENERATOR



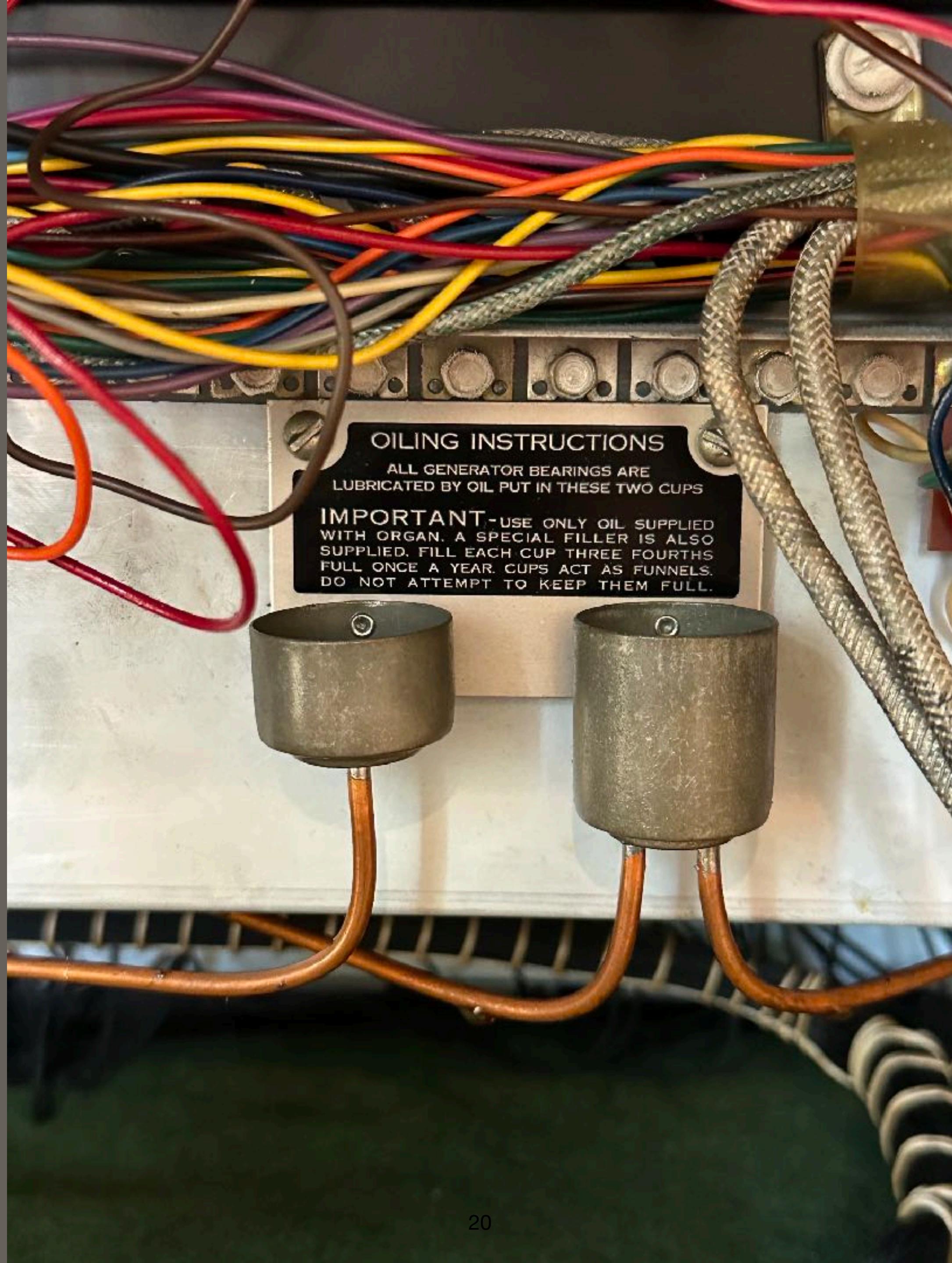






3

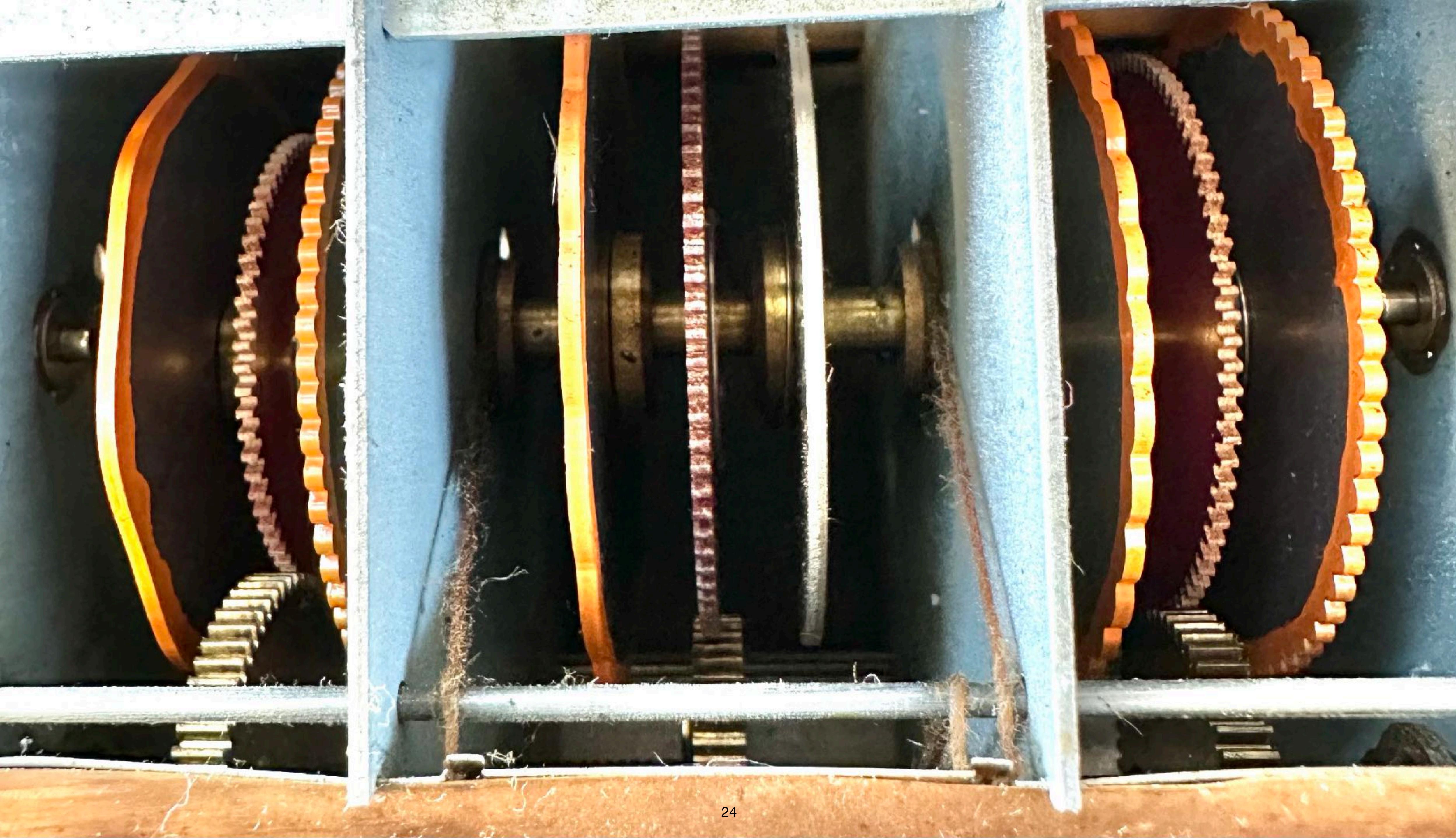
ALARM SET → ALARM SET TIME
NOTE - CURRENT INTERRUPTIONS
WILL STOP CLOCK - RESTART & RESET.
60 CYCLE 110 V.A.C. 2 WATT SER.
No A 375.13
MADE IN U.S.A. - PAT. NO 1,719,805 OTHERS PENDING.
THE HAMMOND CLOCK CO., CHICAGO, ILL. START
PUSH IN - SPIN - LET GO



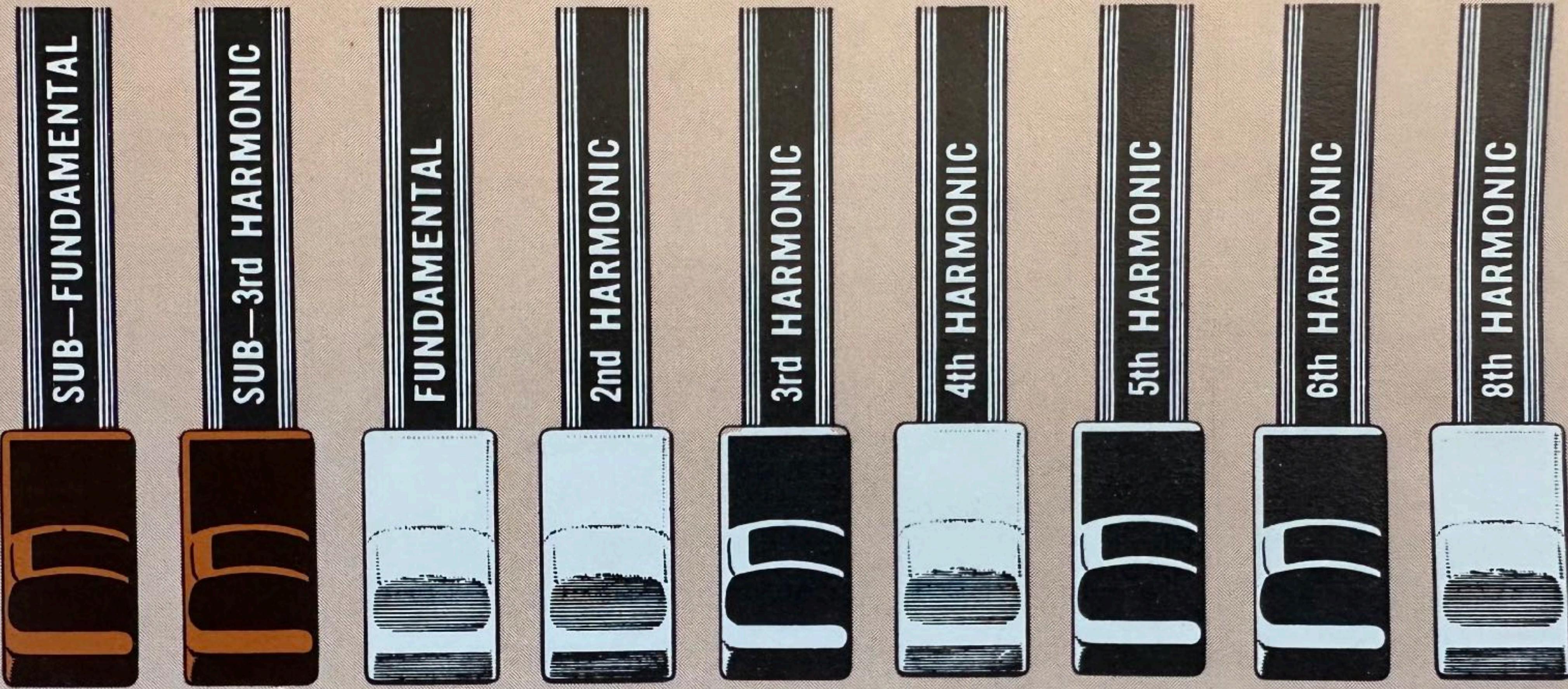






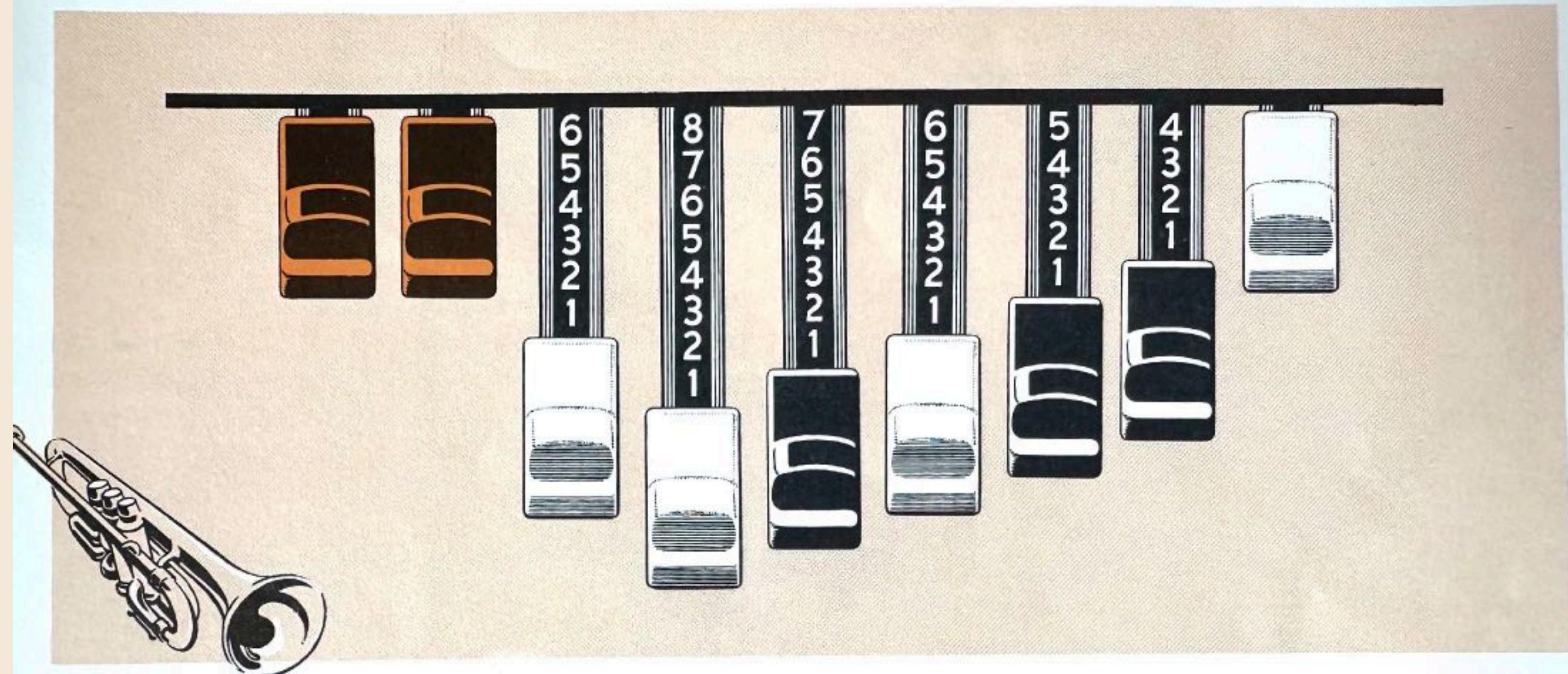




SUB**FOUNDATION****BRILLIANCE**

PIPE PITCH	16'	$5\frac{1}{3}'$	8'	4'	$2\frac{2}{3}'$	2'	$1\frac{3}{5}'$	$1\frac{1}{3}'$	1'
SCALE PITCH	Sub-FUNDAMENTAL	5th	FUNDAMENTAL	8th	12th	15th	17th	19th	22nd
STOP NAME	BOURDON	QUINT	PRINCIPAL	OCTAVE	NAZARD	BLOCK FLOTE	TIERCE	LARIGOT	SIFFLOTE

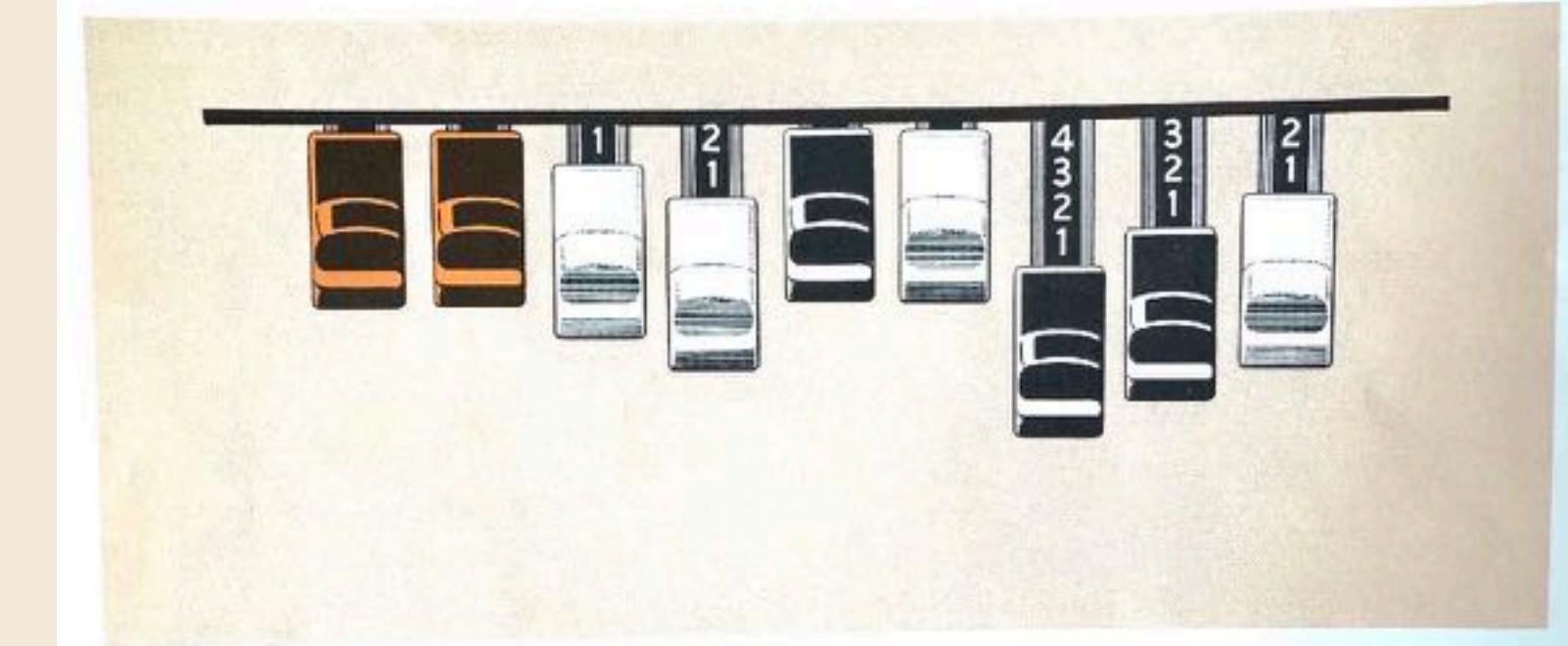
TRUMPET-TYPE TONE OO 6876 540



The chief characteristic of chorus reed quality is its heavy upper harmonic development, which may equal the fundamental and the second harmonic

in intensity. A good example of this is the trumpet type of tone set up on the drawbars above. This should be used without vibrato.

VOICE-LIKE EFFECT OO 1200 432

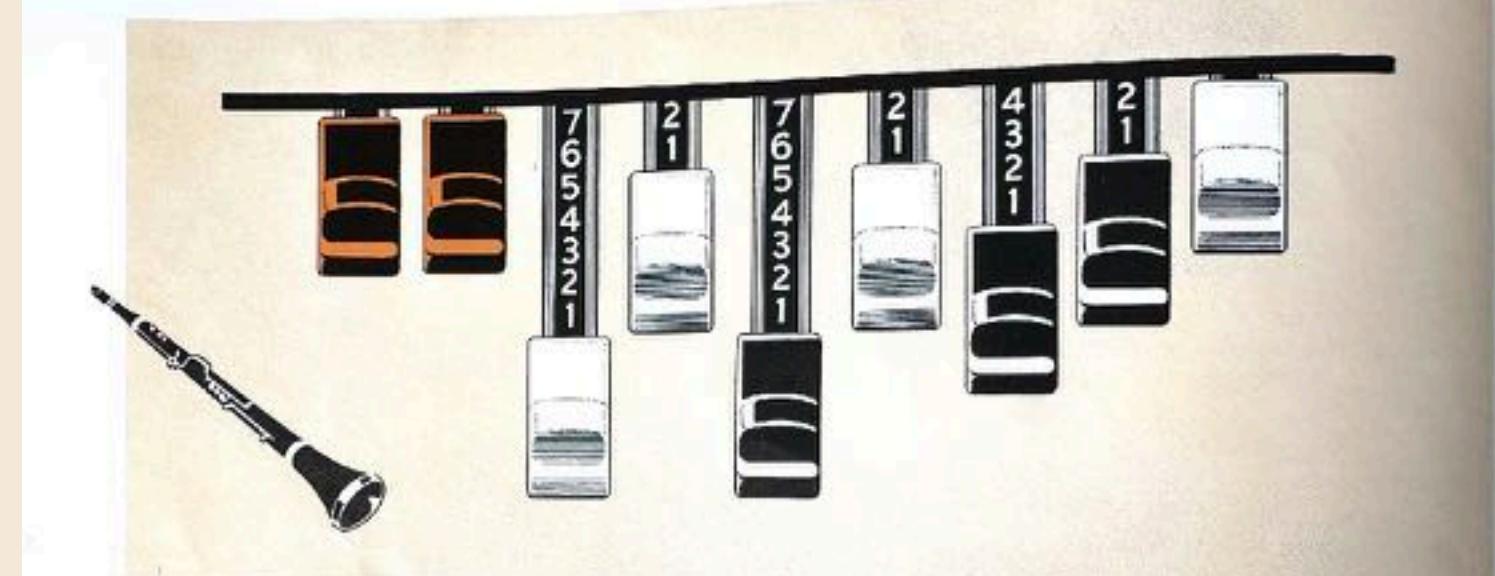


The delicate voice-like effect, sometimes called Vox Humana, is as different as day and night from the heavy chorus reed tone, but it illustrates the

tremendous variety of effects available on the Hammond Organ. This should be used with Vibrato V-2.

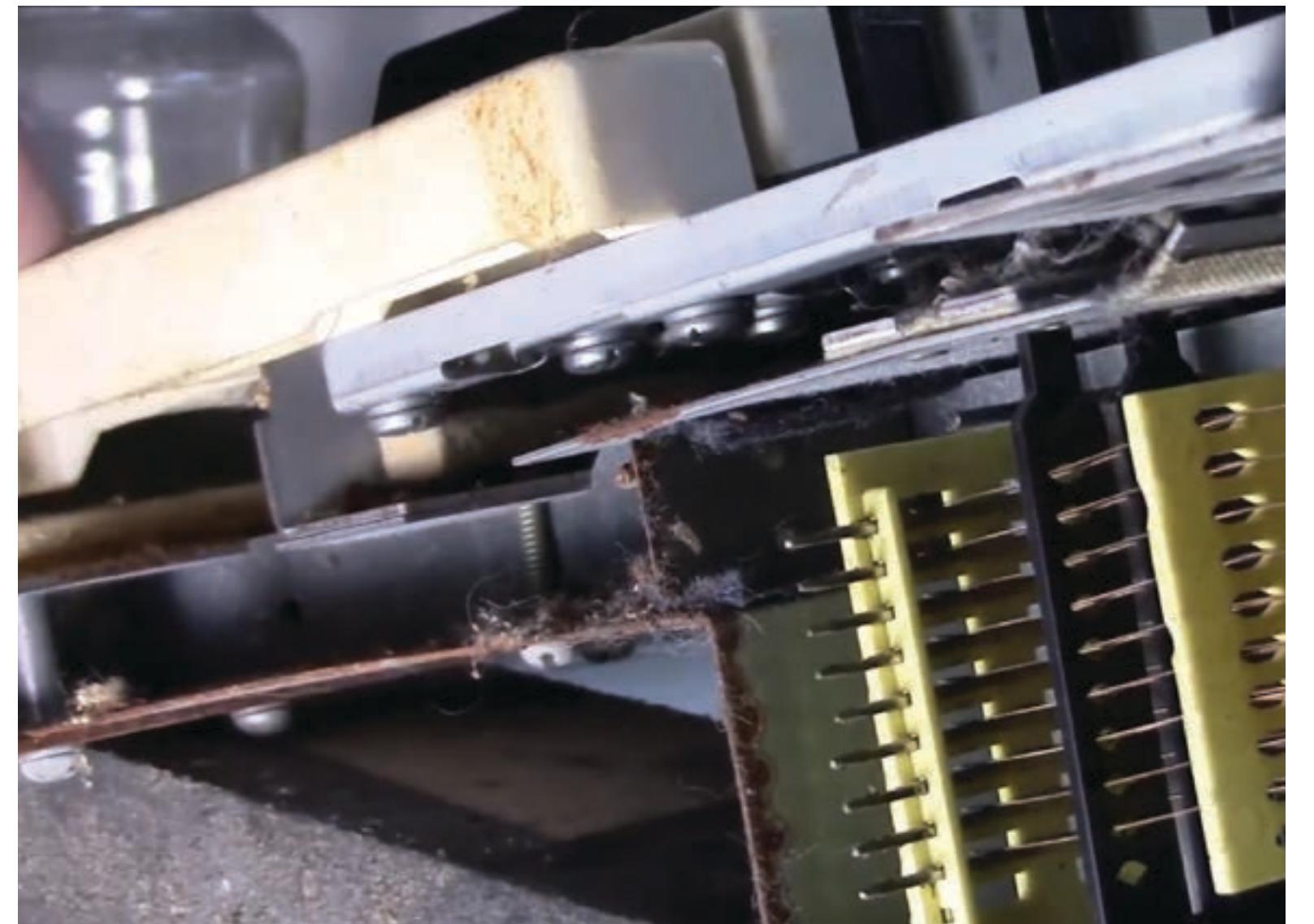
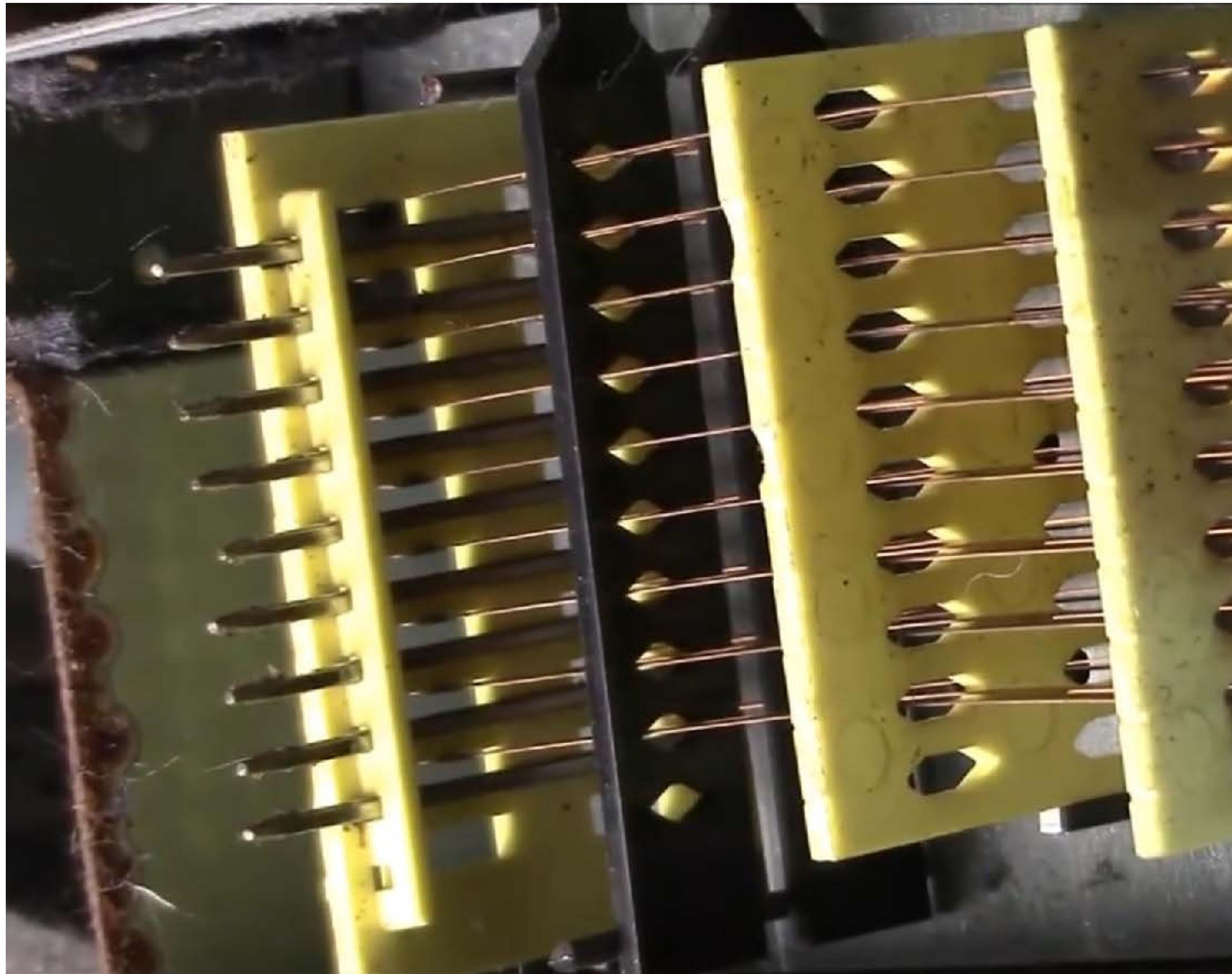
Page 35

CLARINET TONE OO 7272 420



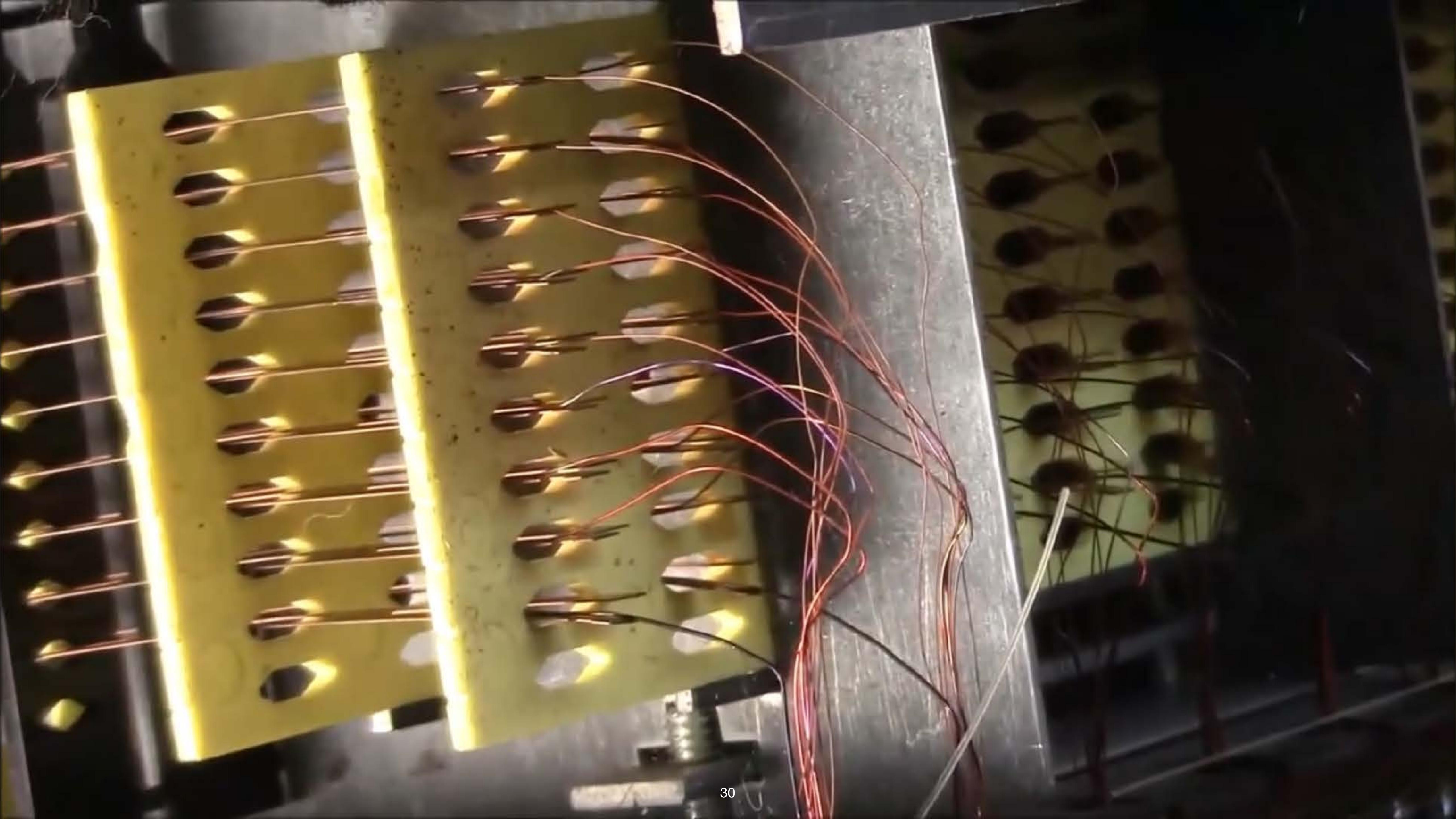
Quite a contrast to the Voice-like effect, and yet entirely different from the heavy chorus reed effect, is the group of lighter solo instrumental tones you can produce on the Hammond Organ. For instance, try 00 7272 420 with "V-1 Vibrato"

and you will find that you have a beautiful clarinet tone. The many clarinet tones are characterized by emphasizing the odd numbered harmonics (fundamental, third and fifth).



Hammond Keyboard Contacts



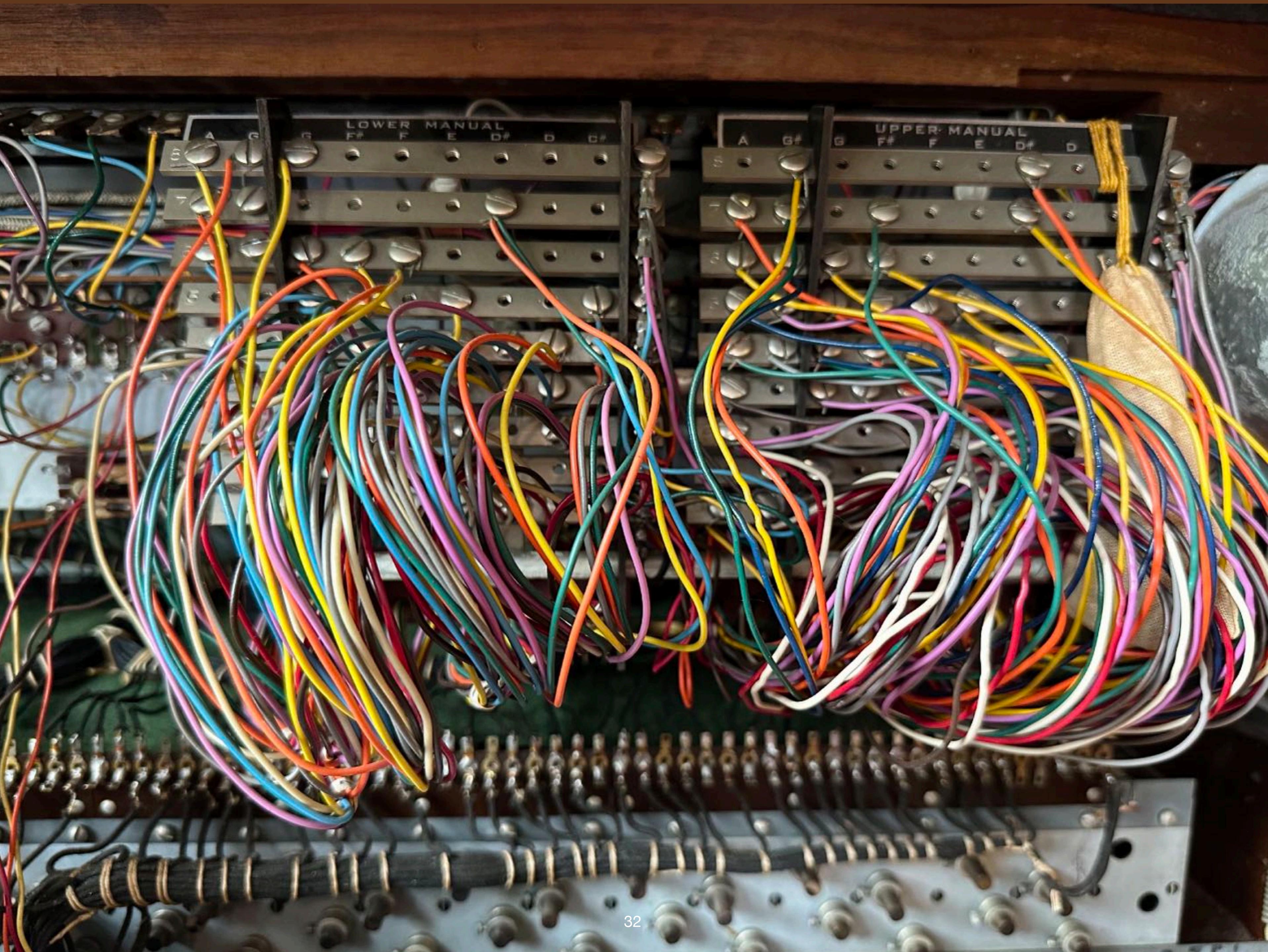




CHORALE

TREMOLO

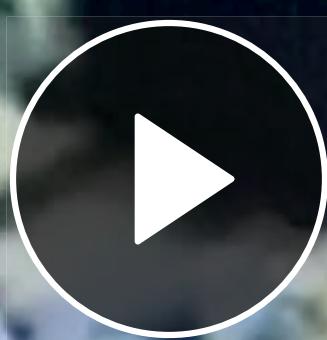
31



LOWER MANUAL

C		Cancel	
C#	00 4545 440	Cello	mp
D	00 4423 220	Flute & String	mp
D#	00 7373 430	Clarinet	mf
E	00 4544 220	Diapason, Gamba and Flute	mf
F	00 6644 322	Great, no reeds	f
F#	00 5642 200	Open Diapason	f
G	00 6845 433	Full Great	ff
G#	00 8030 000	Tibia Clausa	f
A	42 7866 244	Full Great with 16'	fff
A#		Adjust harmonic drawbars in 1st Group, Lower Manual	
B		Adjust harmonic drawbars in 2nd Group, Lower Manual	







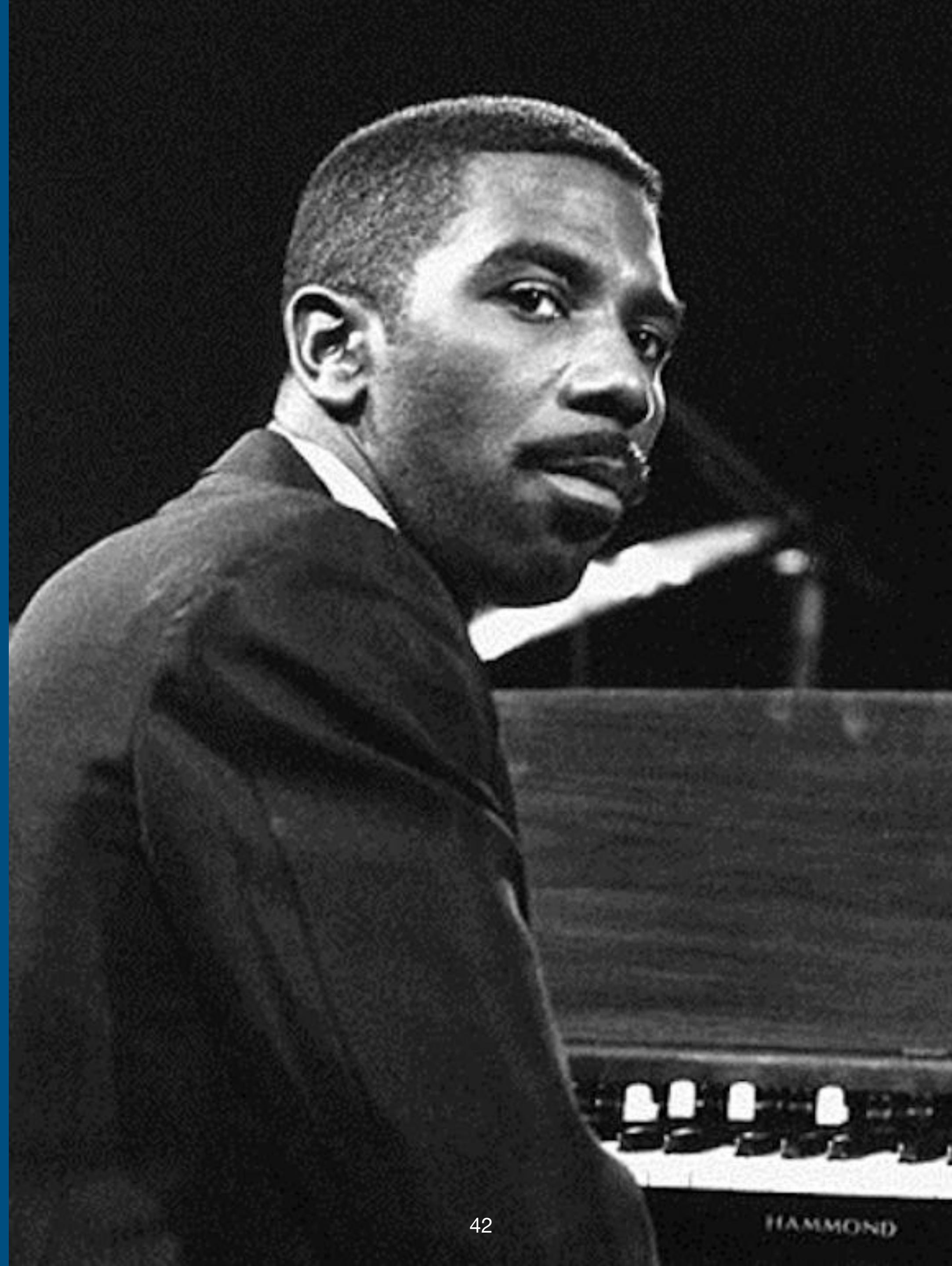












PR 7435



SOUL MESSAGE RICHARD "GROOVE" HOLMES













DEEP BLUE ORGAN TRIO GOIN' TO TOWN LIVE AT THE GREEN MILL

569

delmark



