



# OSTY KRATOWE ŻELAZNE

NAPISAŁ

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DYPLMOWANY INŻYNIER, PROFESOR SZKOŁY POLITECHNICZNEJ WE LWOWIE.

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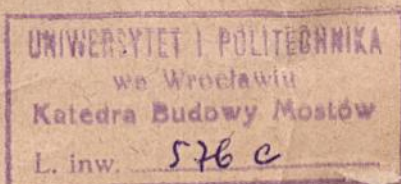
ZESZYT II.

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B. ATLAS.

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Cena za tekst i atlas 13 Kor. 50 hal.



WE LWOWIE,  
SKŁAD GŁÓWNY W KSIĘGARNI SEYFARTHA I CZAJKOWSKIEGO.

Z I. Związkowej drukarni we Lwowie, ul. Lindego 1. 4.

1906.



# SPIS TABLIC

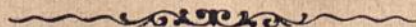
## DO MOSTÓW KRATOWYCH ŻELAZNYCH

### ZESZYTU II.

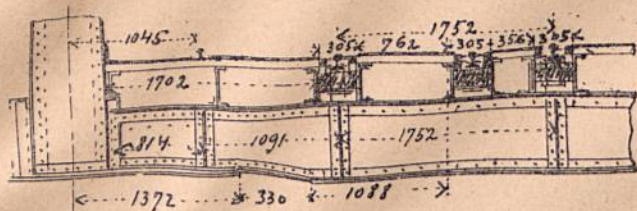
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Tabl.	106. Pomost mostów kolejowych.
"	107. Most na Dunaju pod Czarnowodą.
"	108. Przekrój poprzeczny.
"	109. Łożyska i przekrój poprzeczny mostu.
"	110. Chodniki i pomost.
"	111. Połączenie poprzeczne i belki główne.
"	112. Łożyska kołyskowe.
"	113. Podłużnica.
"	114. Drogowy most kratowy na Otawie w Strakowicach.
"	115. Przekroje poprzeczne.
"	116. " " "
"	117. Odstęp belek głównych.
"	118. Połączenie łożyska z murem.
"	119. Ubezpieczenie przeciw wykolejeniu.
"	120. Odgraniczenie drogi od chodnika.
"	121. Odbojnice.
"	122. Ustrój pomostu mostów drogowych.
"	123. Połączenie podłużnic z poprzecznkami.
"	124. " " " "
"	125. Odgraniczenie drogi i chodnika.
"	126. Most na Woldze pod Twerem.
"	127. " na Saarze pod Saarbrücken.
"	128. Odgraniczenie drogi od chodnika.
"	129. Tężniki.
"	130. " "
"	131. Przekrój poprzeczny mostu.
"	132. Tężniki i łożyska.
"	133. Łożyska.
"	134. " "
"	135. Poprzecznice.
"	136. Podłużnice.
"	137. Łożyska.
"	138. " "
"	139. Tężniki i łożyska.
"	140. Most drogowy na Wecharze pod Mannheim.
"	141. Latarnie.
"	142. Tężniki.
"	143. Połączenie tężników.
"	144. Most na Saarze pod Brugg.
"	145. Połączenie i skrzyżowanie tężników.
"	146. Tężniki; ruchome połączenie podłużnic.
"	147. Łożyska i przekroje poprzeczne mostu.
"	148. Poprzecznice.

Tabl.	149. Utwierdzenie poprzecznic.
"	150. " " "
"	151. Poprzecznice.
"	152. Utwierdzenie poprzecznic.
"	153. Łożyska.
"	154. " wałkowe.
"	155. " "
"	156. " "
"	157. Dokładka mostowa.
"	158. Tężniki poziome.
"	159. Łożyska wałkowe.
"	160. " "
"	161. " "
"	162. " "
"	163. Most na rzece Matt koło Braunau nad Innem.
"	164. Łożyska.
"	165. " "
"	166. Poprzecznice.
"	167. Łożyska.
"	168. " "
"	169. " i tężniki poprzeczne.
"	170. Przegub mostu nad dworcem w Dreźnie.
"	171. Tężniki.
"	172. Przegub przy miejskim moście na Woldze w Nowogrodzie.
"	173. Łożyska.
"	174. Przeguby.
"	175. Łożyska.
"	176. " "
"	177. Tężniki.
"	178. " "
"	179. " "
"	180. " "
"	181. " "
"	182. " "
"	183. " "
"	184. " "
"	185. } Zakotwienie mostu jarowego na Welta
"	186. } w Mirzonowicach.
"	187. Dokładki mostowe.
"	188. Mosty w spadzie.
"	189. " " "
"	190. Most Treskow w Oberschöneweide obok Berlina.
"	191. Tężniki.

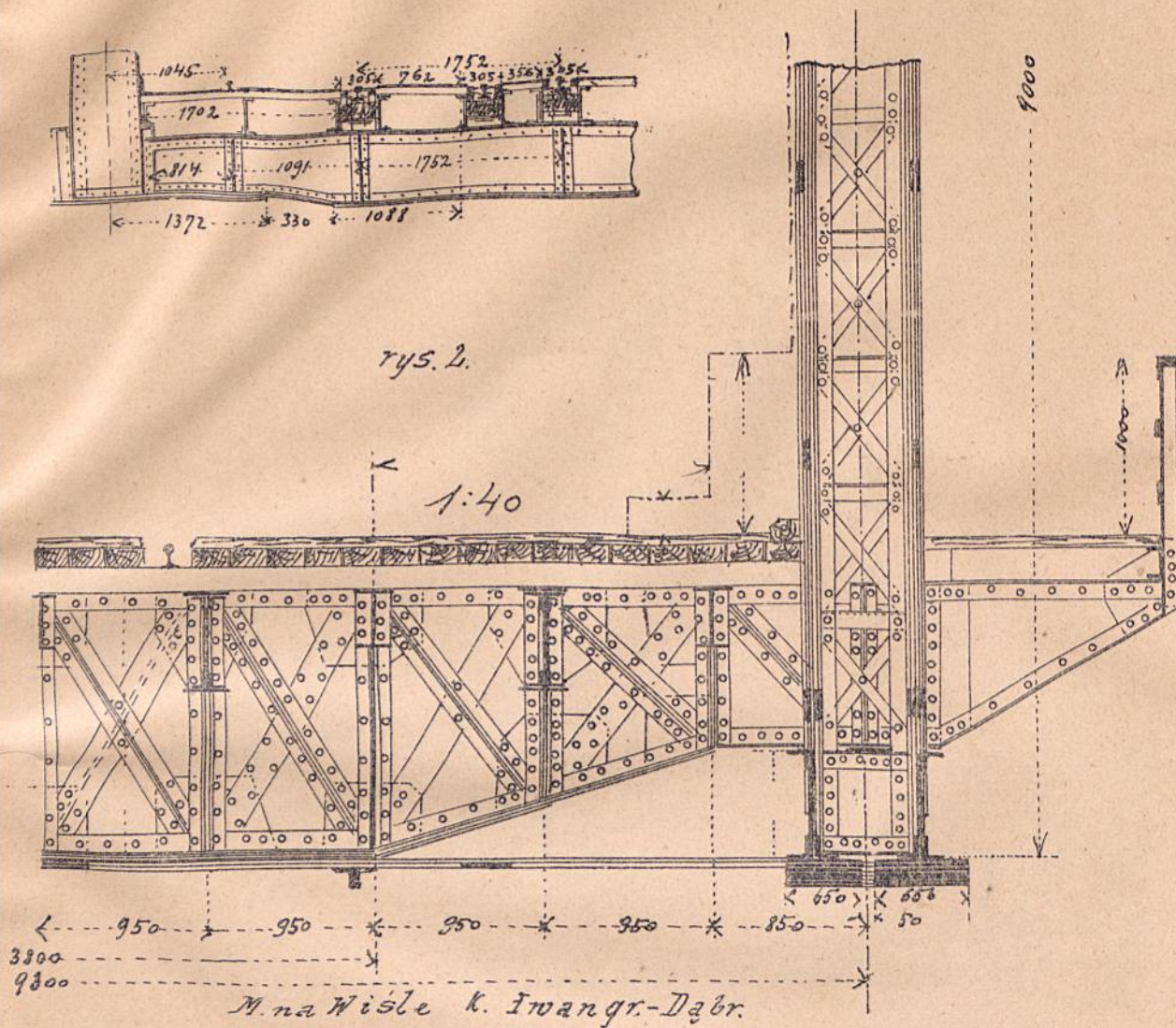


rys. 1.



rys. 2.

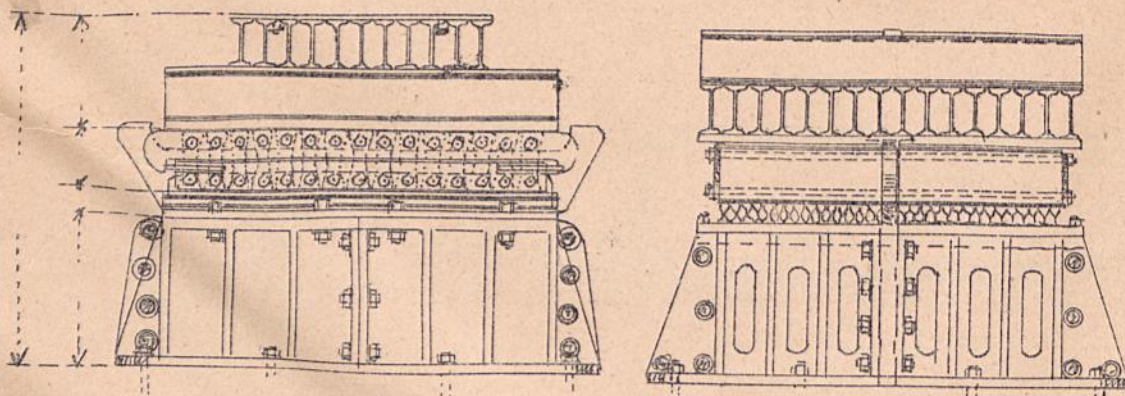
1:40



rys. 3.

(a.)

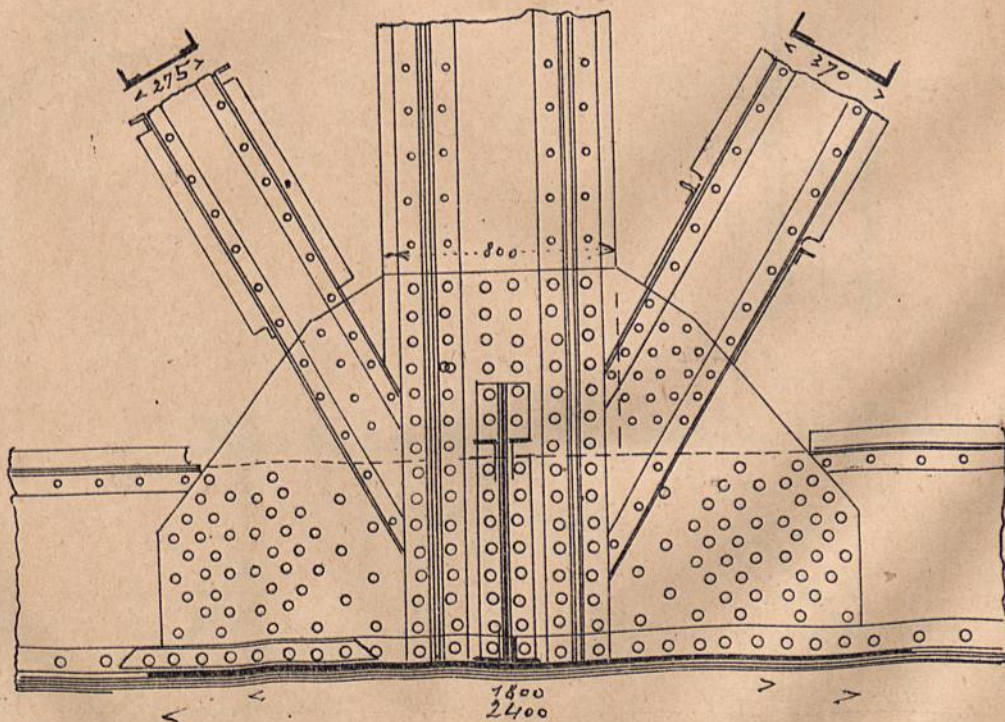
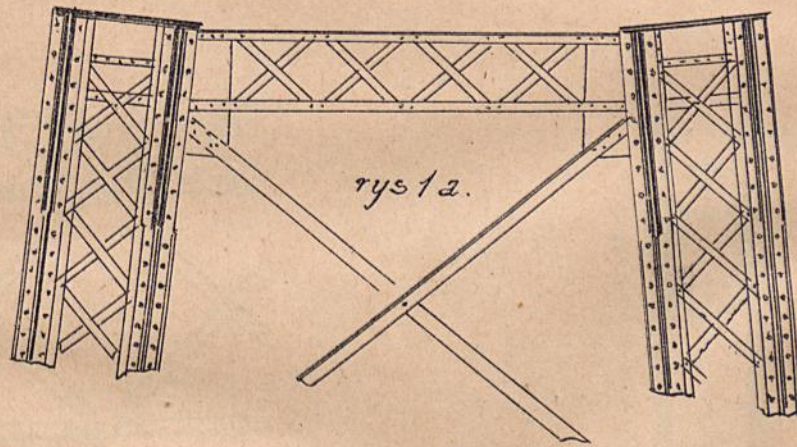
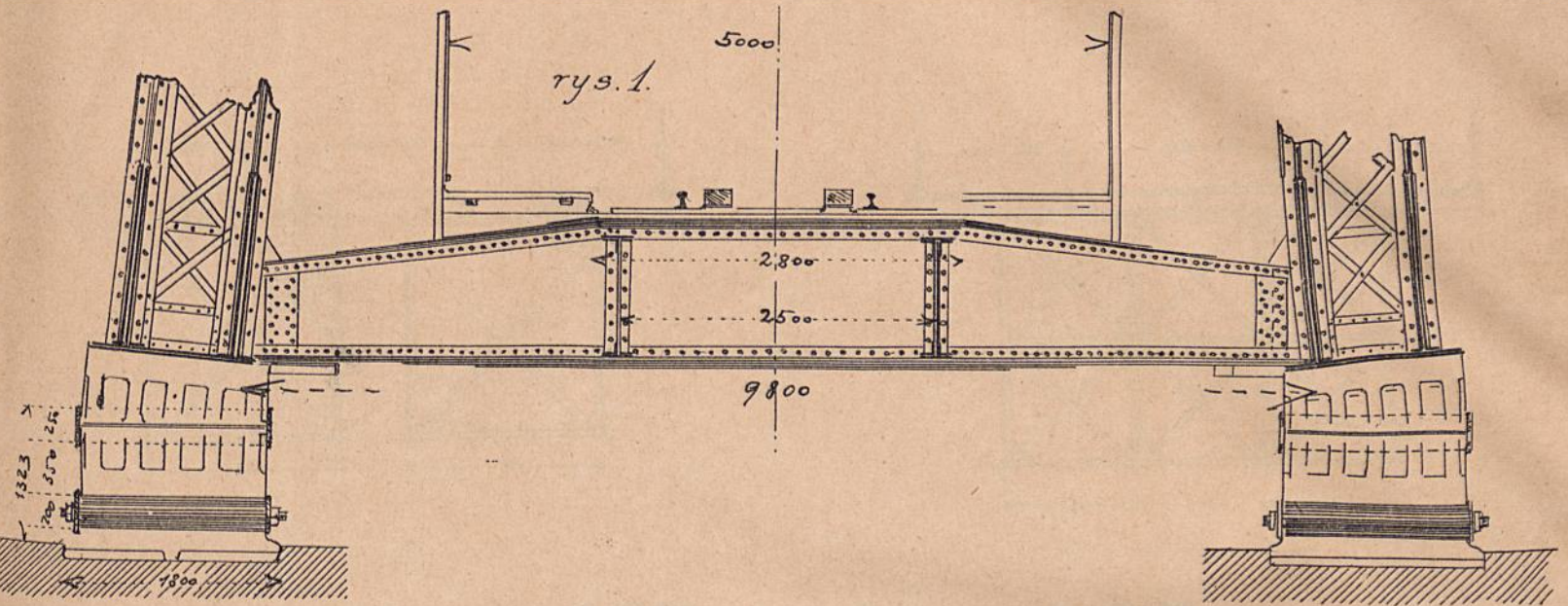
(b.)



Łożysko Morisona.

E. W.

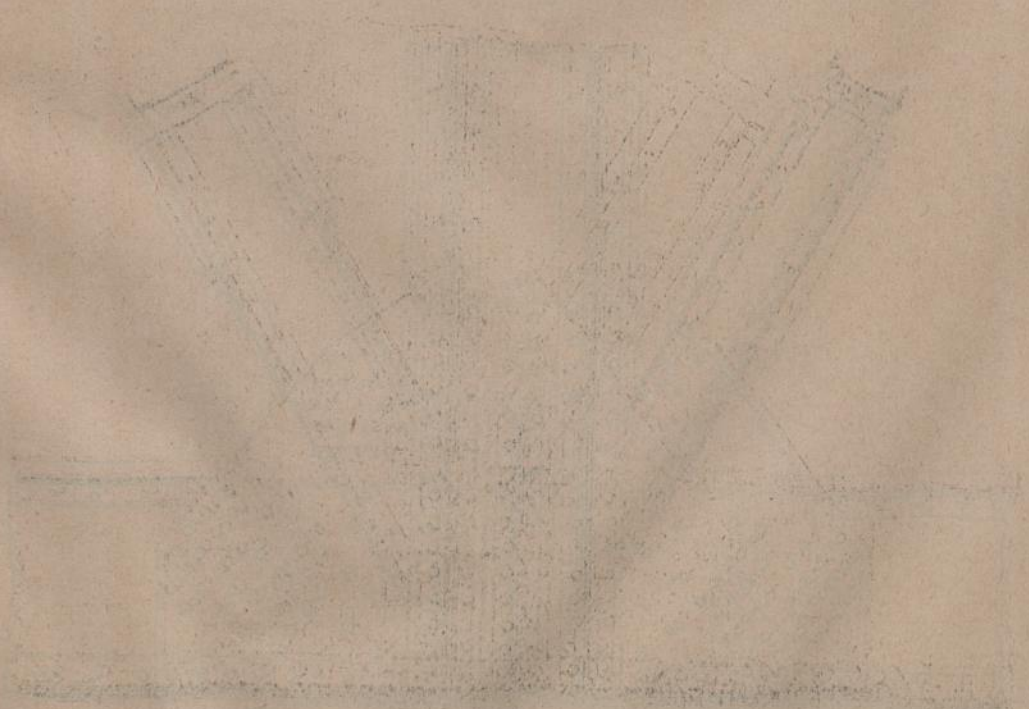
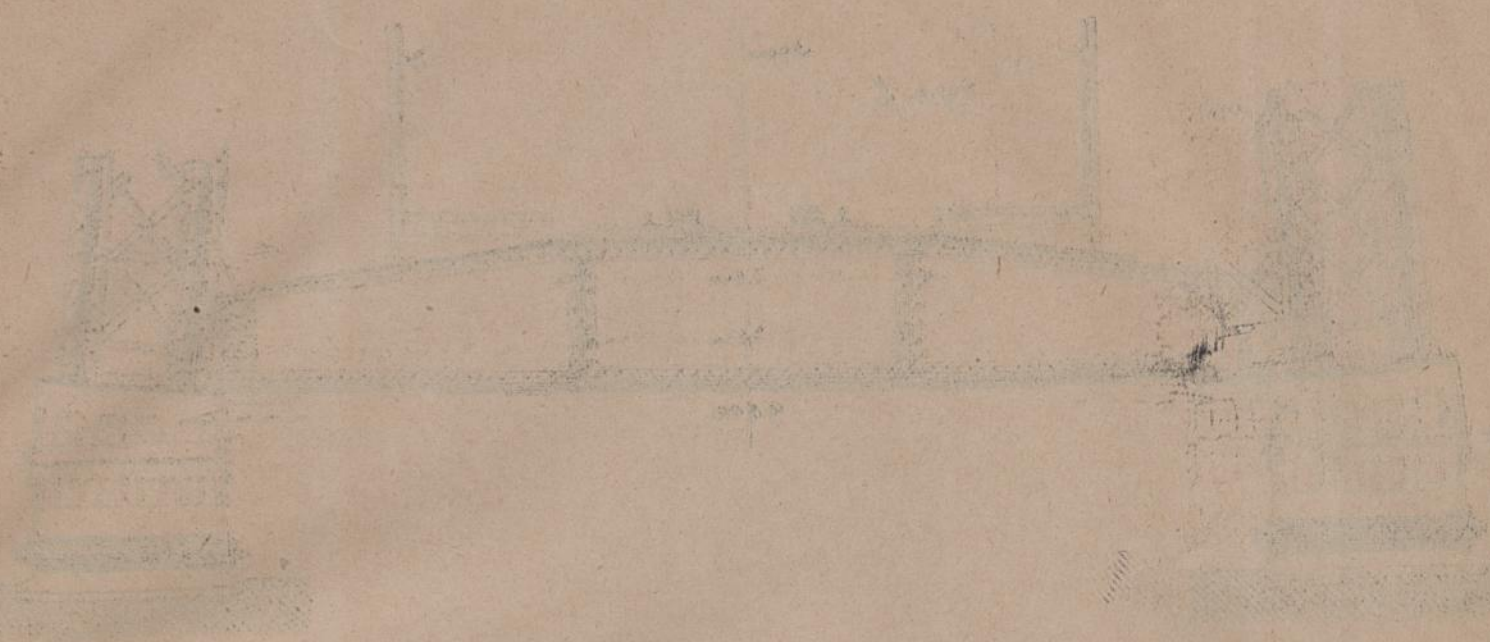




E. W.

1861

General and Particular



Спектральной поперечной.

Рис. 1а, 1б. Расклад и ilość балок главных.

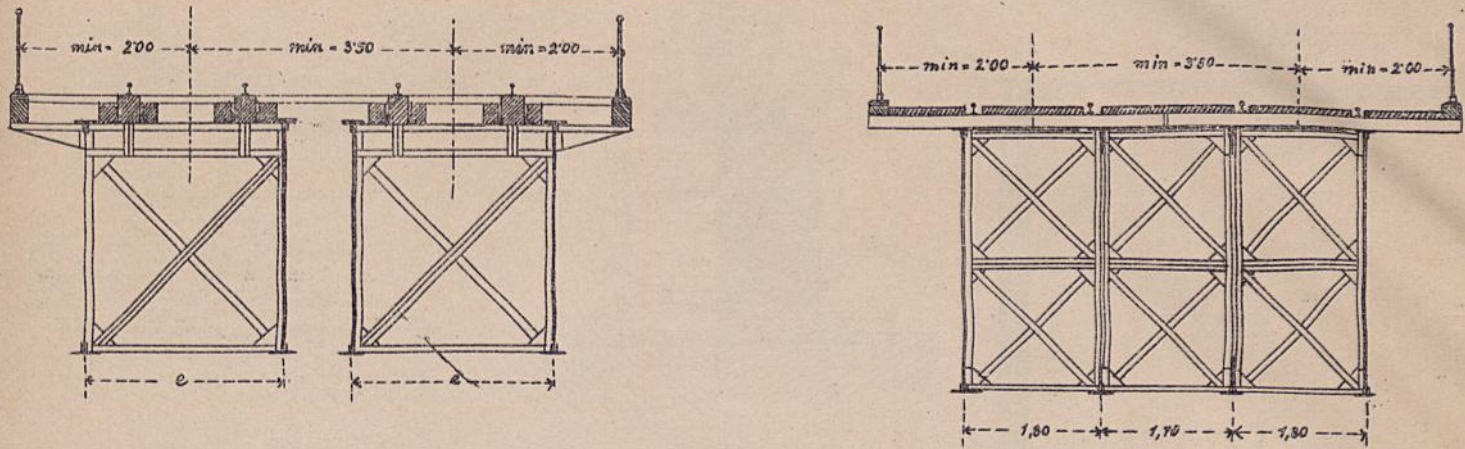


Рис. 2а, 2б. Мост на Днепре под Киевом.

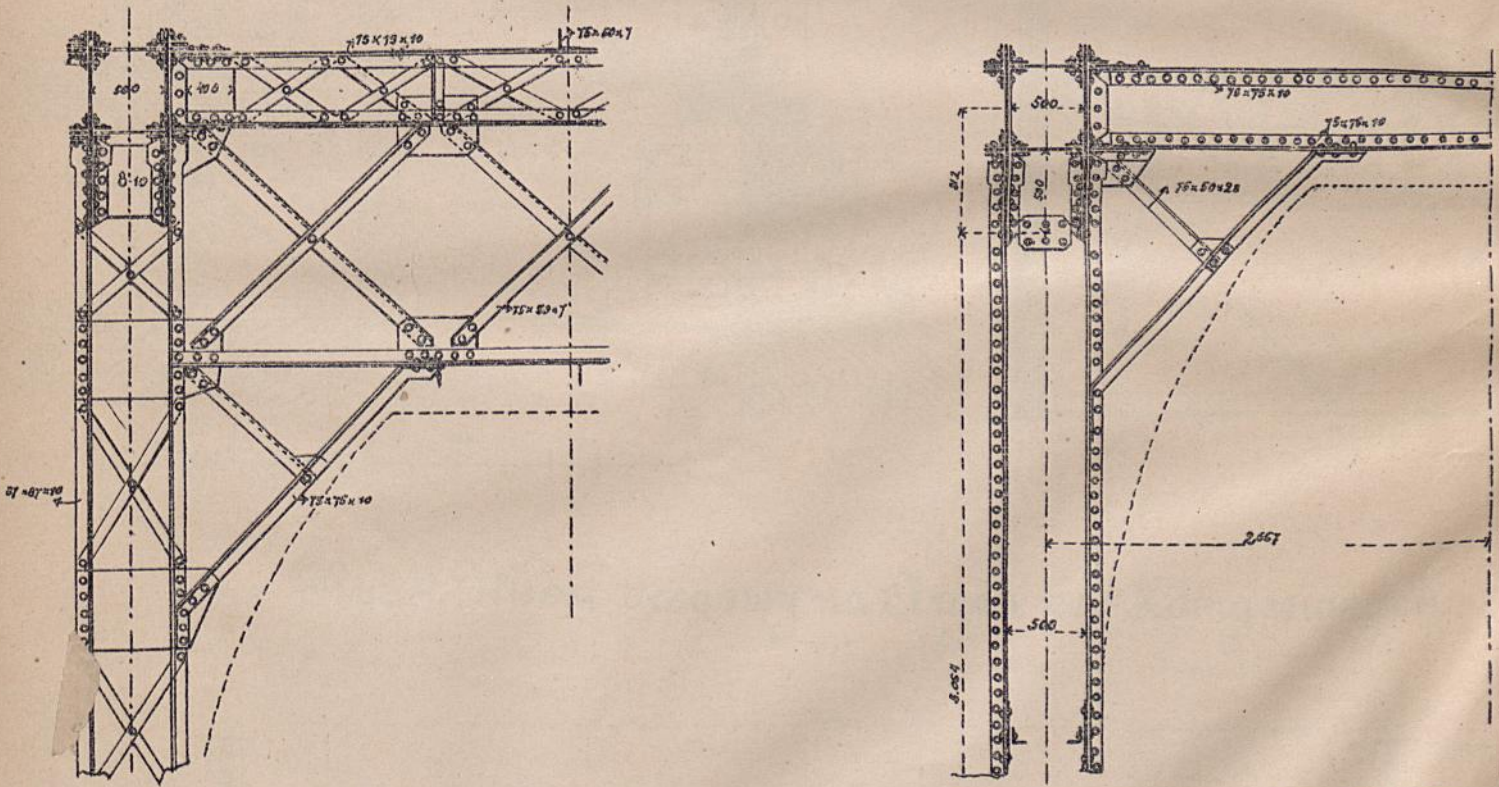
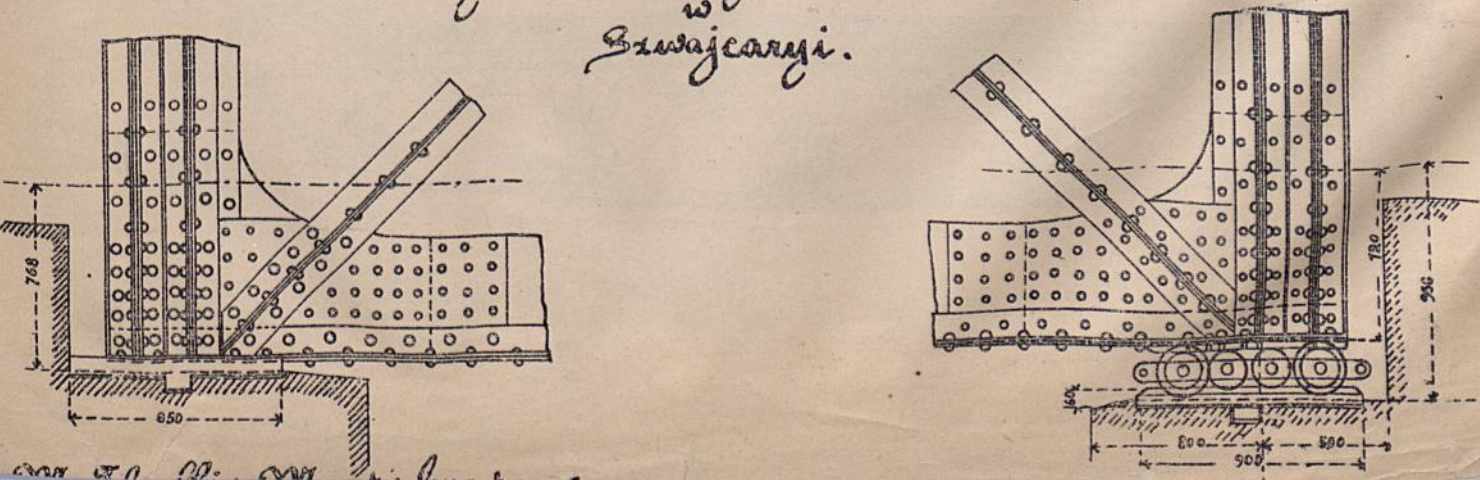


Рис 3а, 3б. Лоизька мосту на Гойбачі.  
w Швайцарји.



С. П. Д. Д.

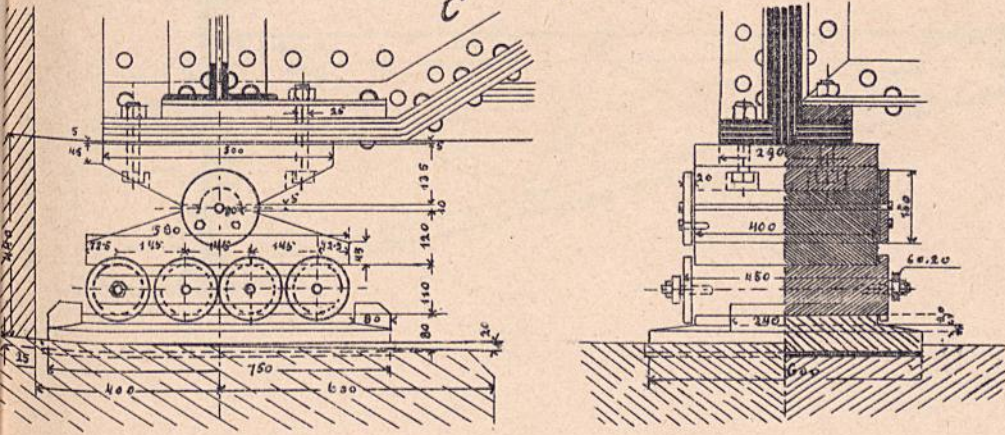




# Łozyska i przekrój poprzeczny mostu.

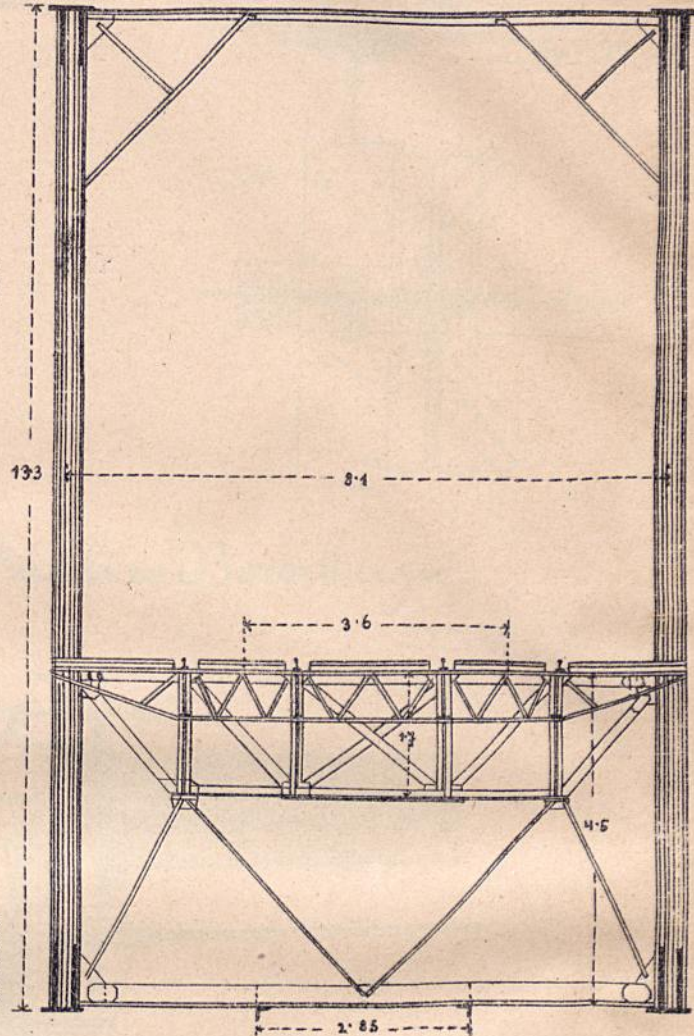
Rys. 1. Most Św. Jana w Ischl.

Łozysko ruchome

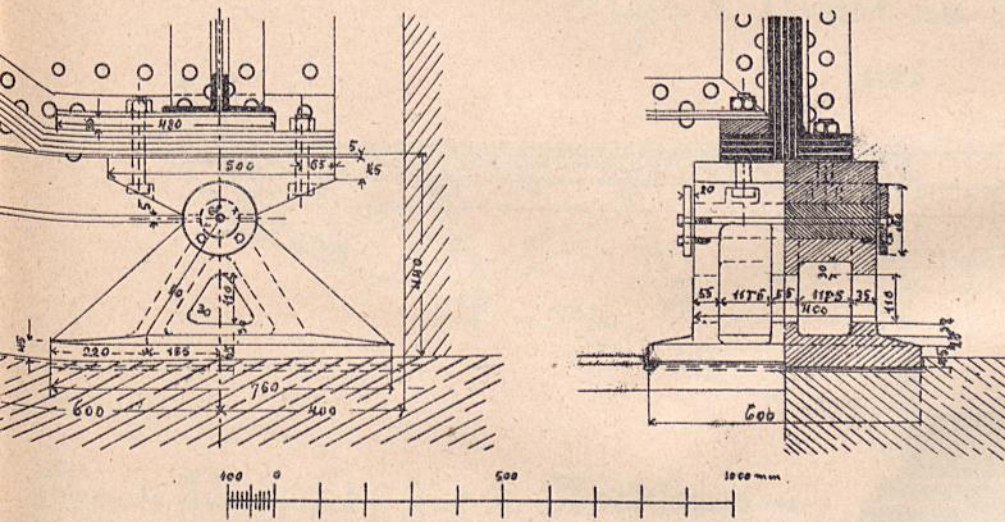


Rys. 3. Most na Moreli pod Elber.

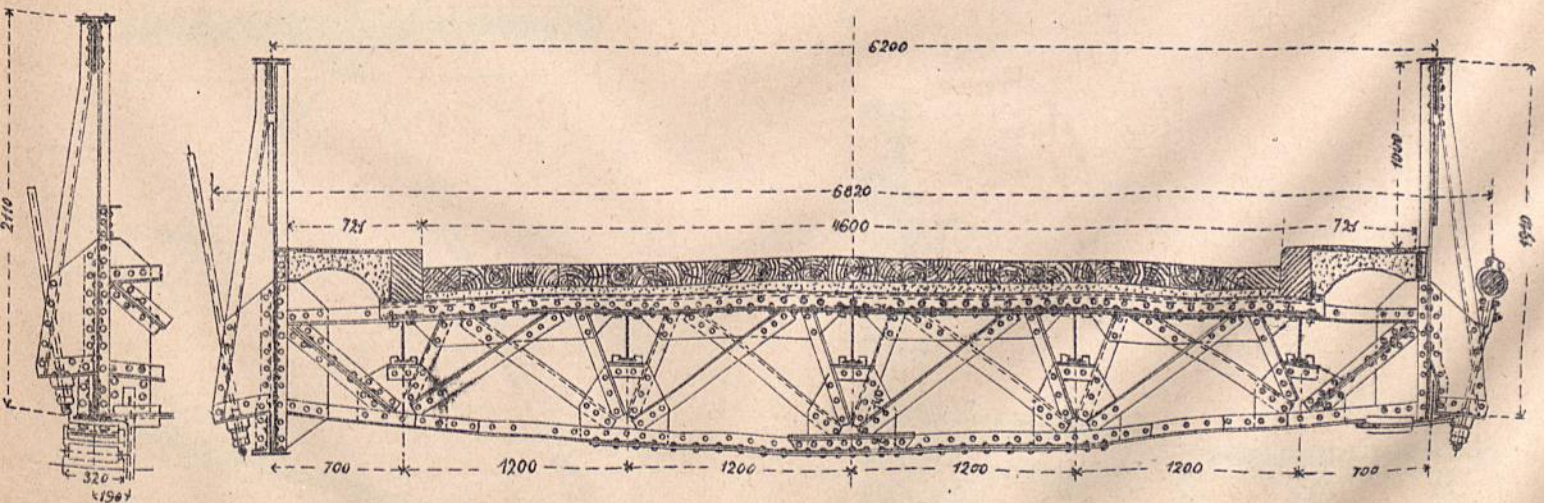
1:100



Rys. 2. Łozysko stałe.



Rys. 4. Most drogowy na Argen pod Langenargen.



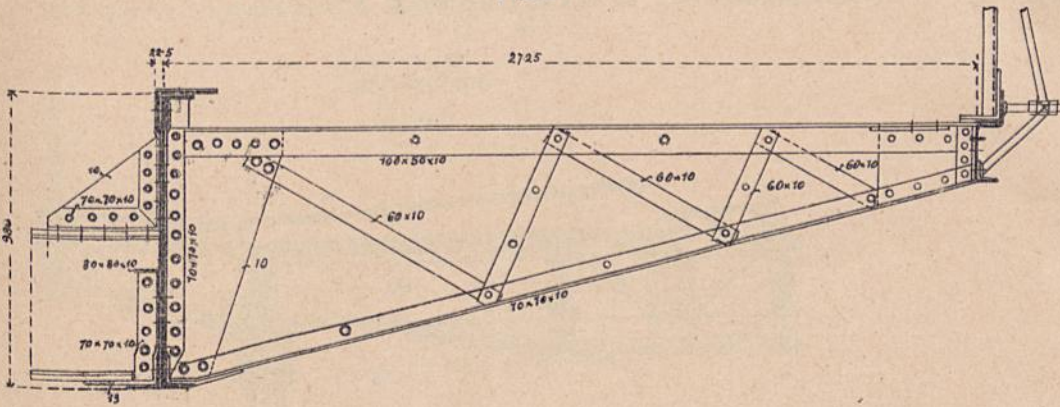
Rys. J-5



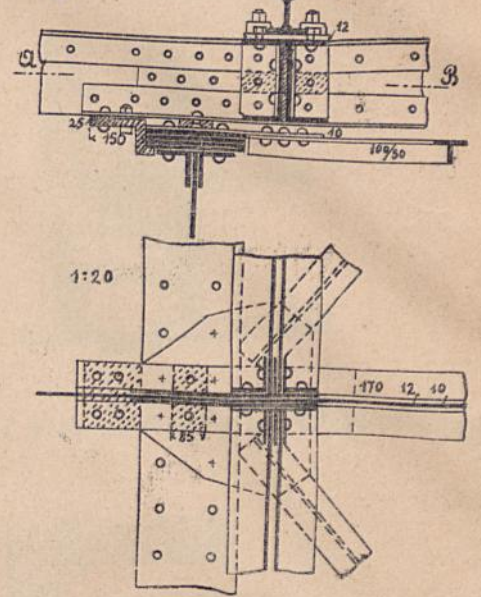
Chodniki i pomost.

Rys. 1. Most na Saali w Bernburgu

1:25

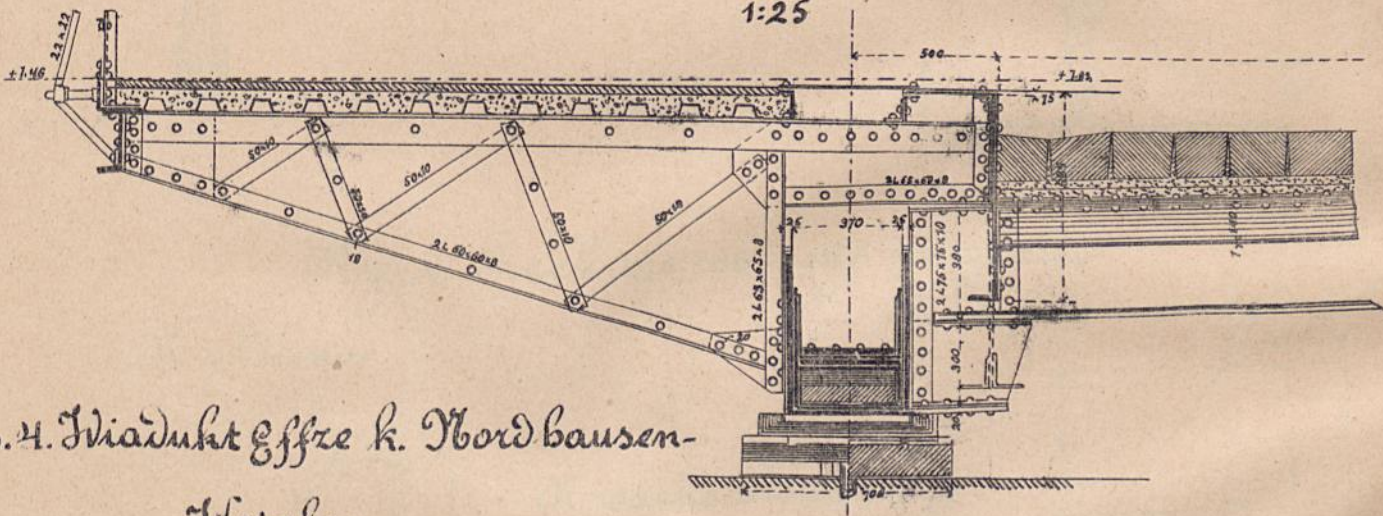


Rys. 2. Most kolei Baden-  
skiej nad dolina Gutons



Rys. 3. Most na Saali w Bernburgu.

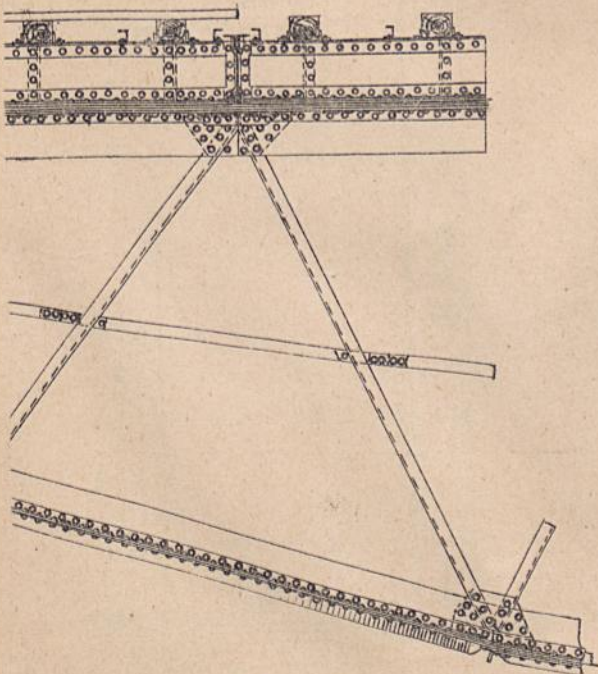
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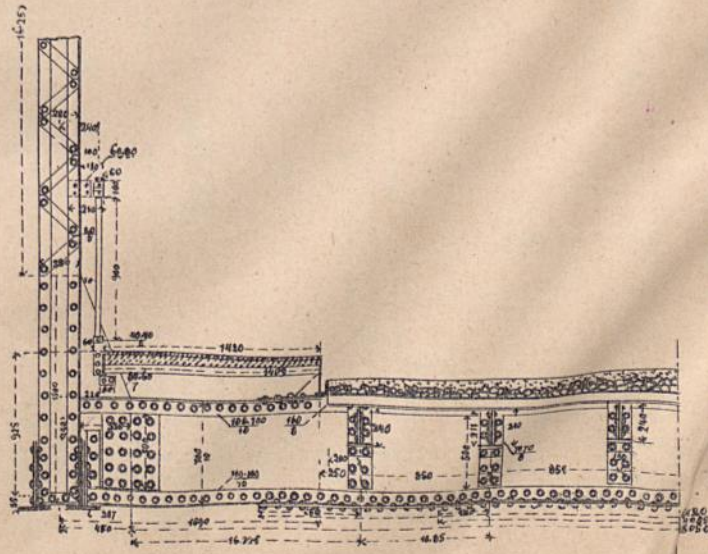
Rys. 4. Wiadukt Effze k. Nordhausen-

Wetzlar.

1:50



Rys. 5. Most na Obrzy w Ławcu

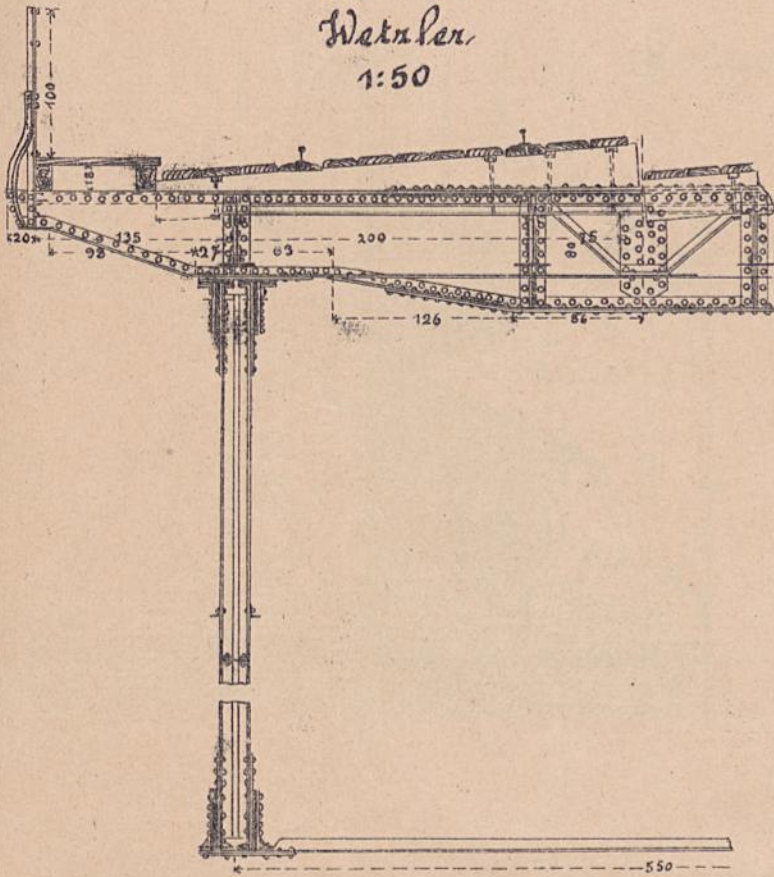


Rys. 1-5

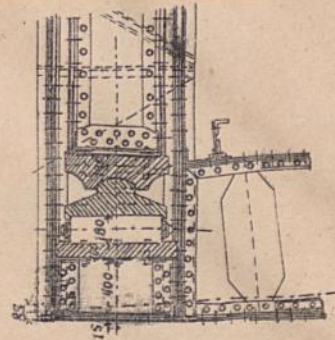


Rys. 1. Wiadukt Lengenfeld k. Nordhausen-

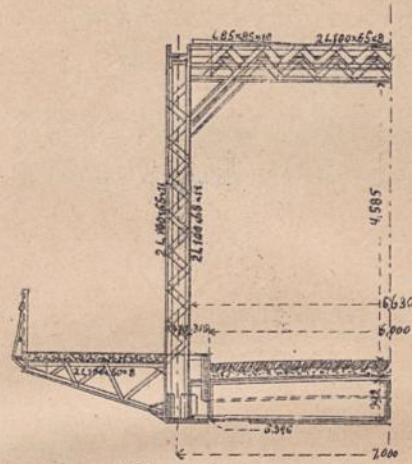
Watrker  
1:50



Rys. 2. Most na Dunaju p. Czernawoda,



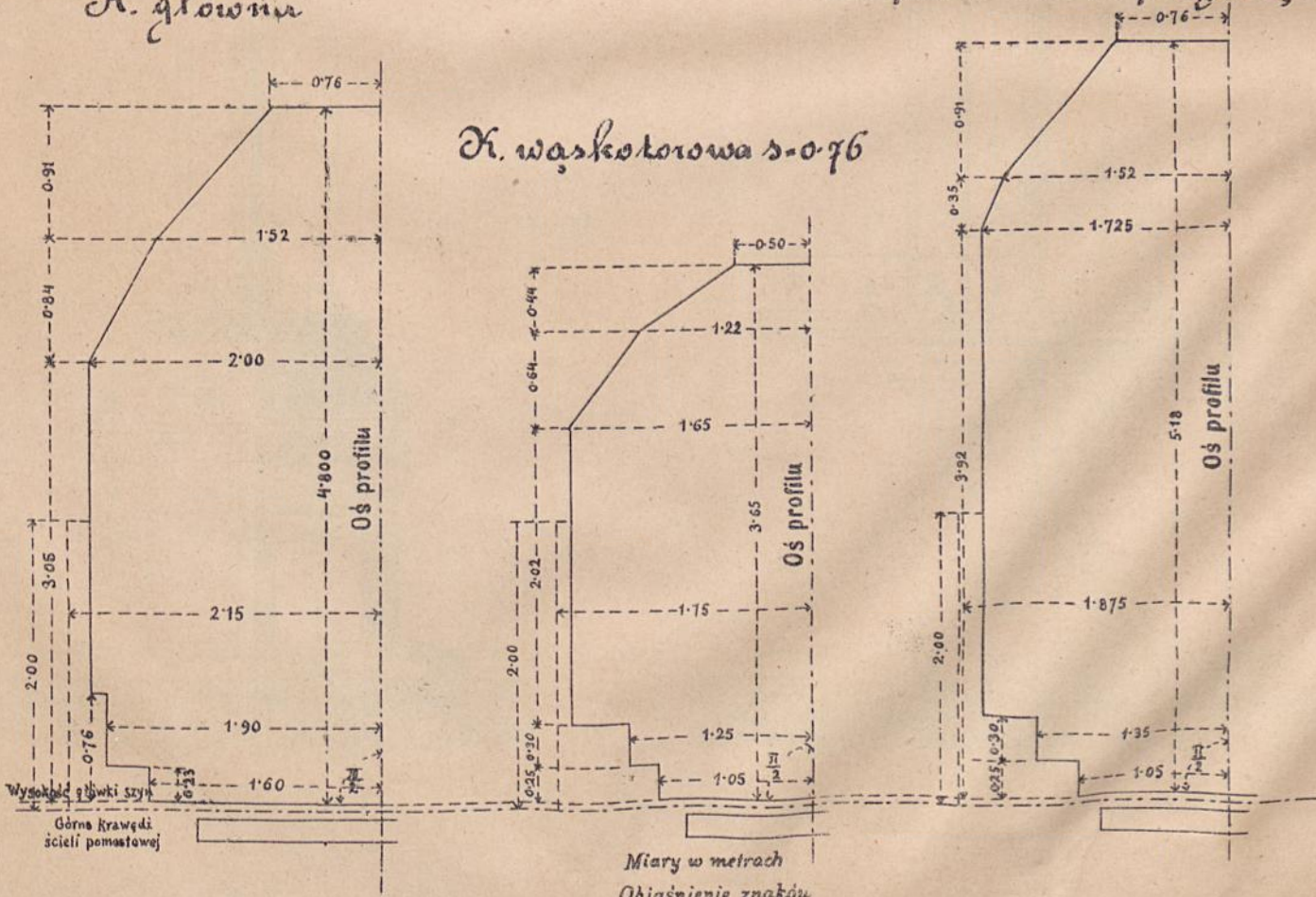
Rys. 3. Most na Saaxi w Bernburgu



Rys. 4. Przekroje wolnego przejazdu

K. glowna

K. wazkotorowa s=0.76 z jarda, na podwodniach



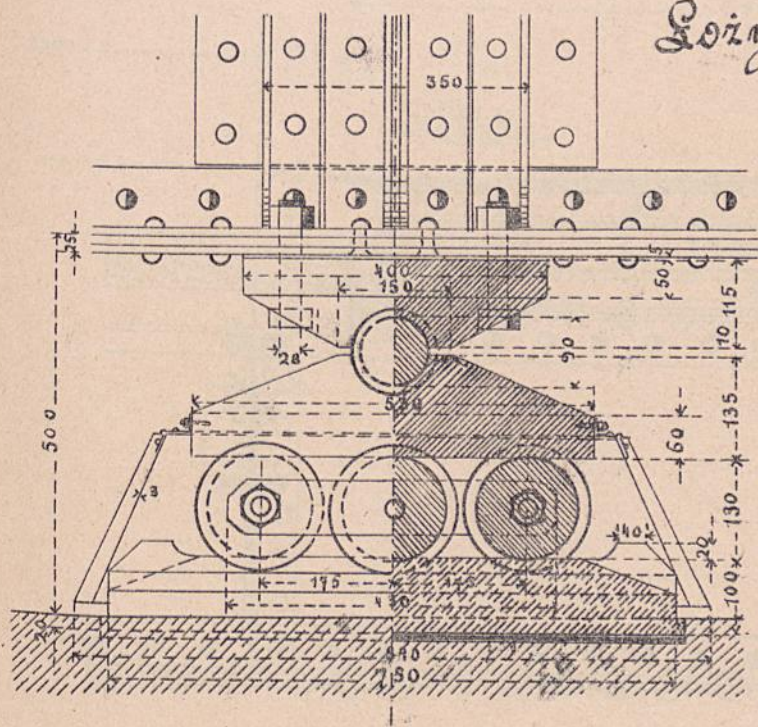
Rys. 4. S.



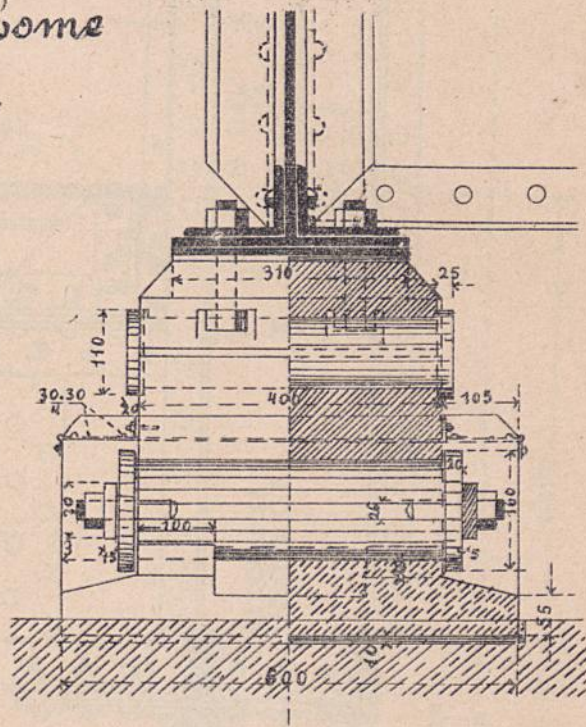
Dow. 112

Łozyska kołyskowe  
 mostu na młynówce Morawy  
 w Hodoninie

Łozysko ruchome  
 Rys. 1.

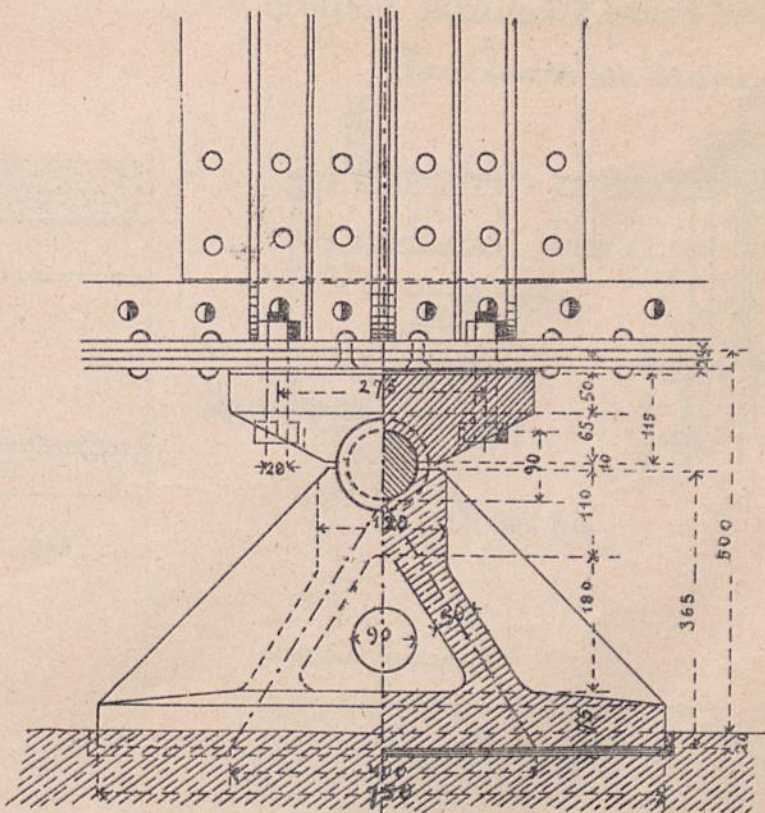
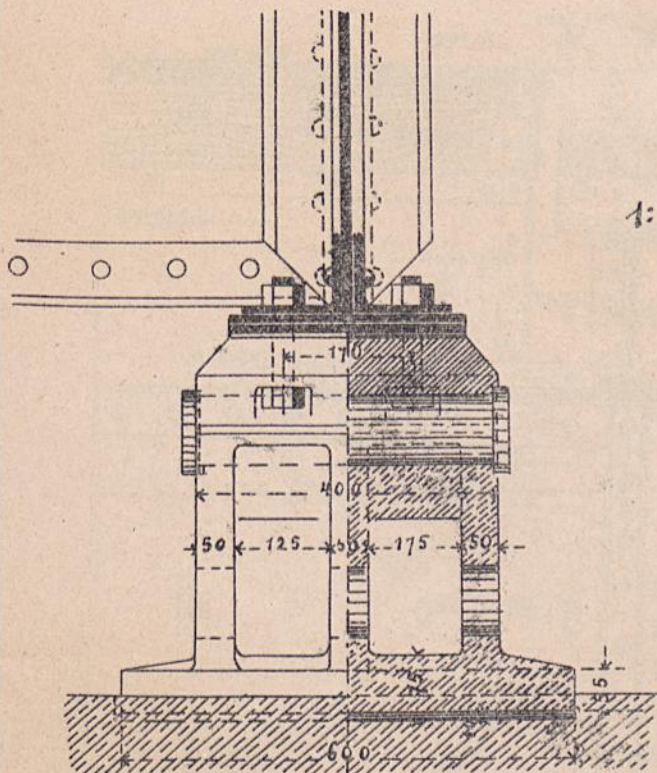


1:10



Rys. 2. Łozysko stałe.

1:10



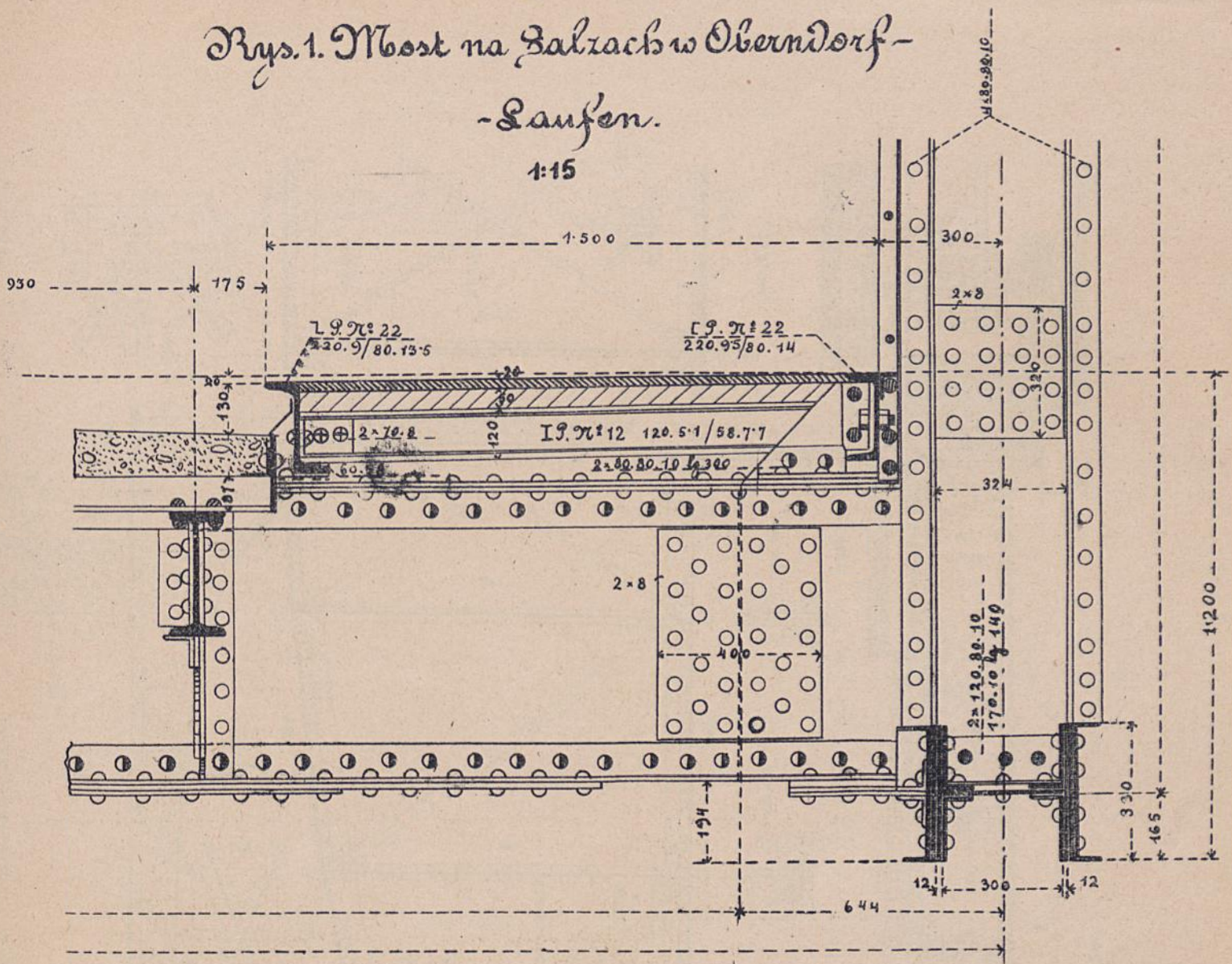
R. J. d. d.



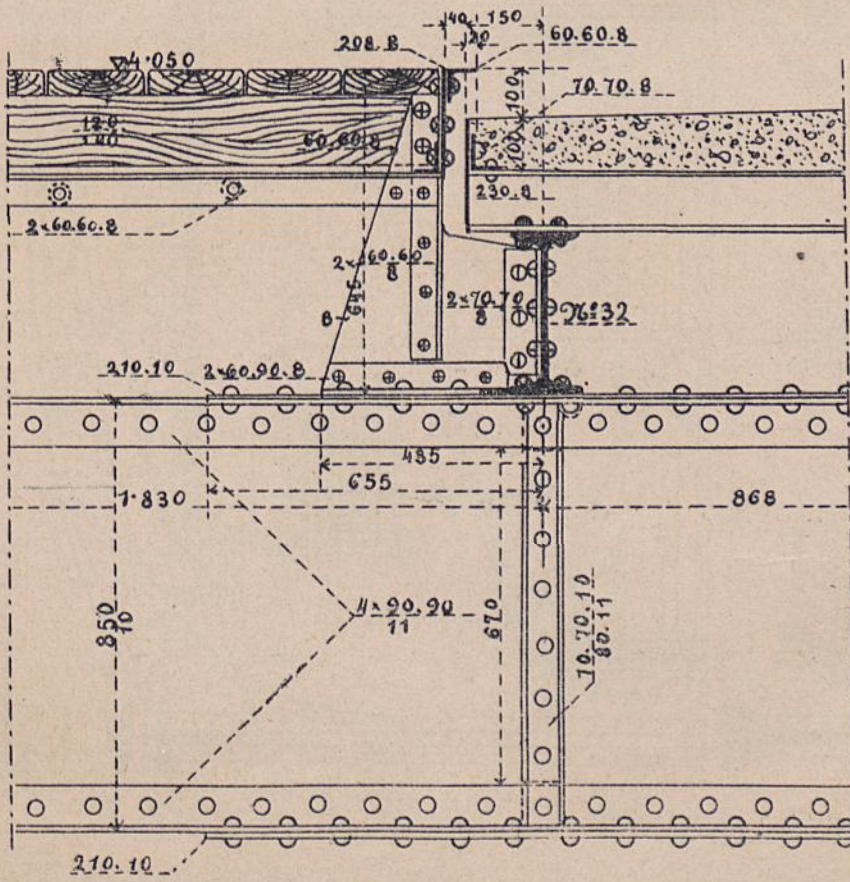


Rys. 1. Most na Zabrach w Oberndorf-  
-Laufen.

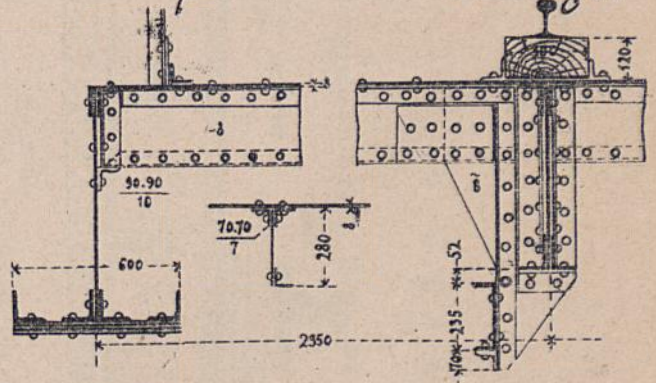
1:15



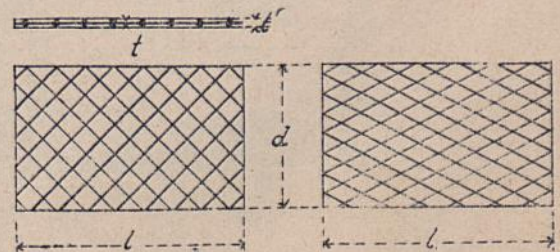
Rys. 2. Most na młynówce w Hodoninie.



Rys. 3. Wiadukt przez dolinę  
Goulenore we Francji.



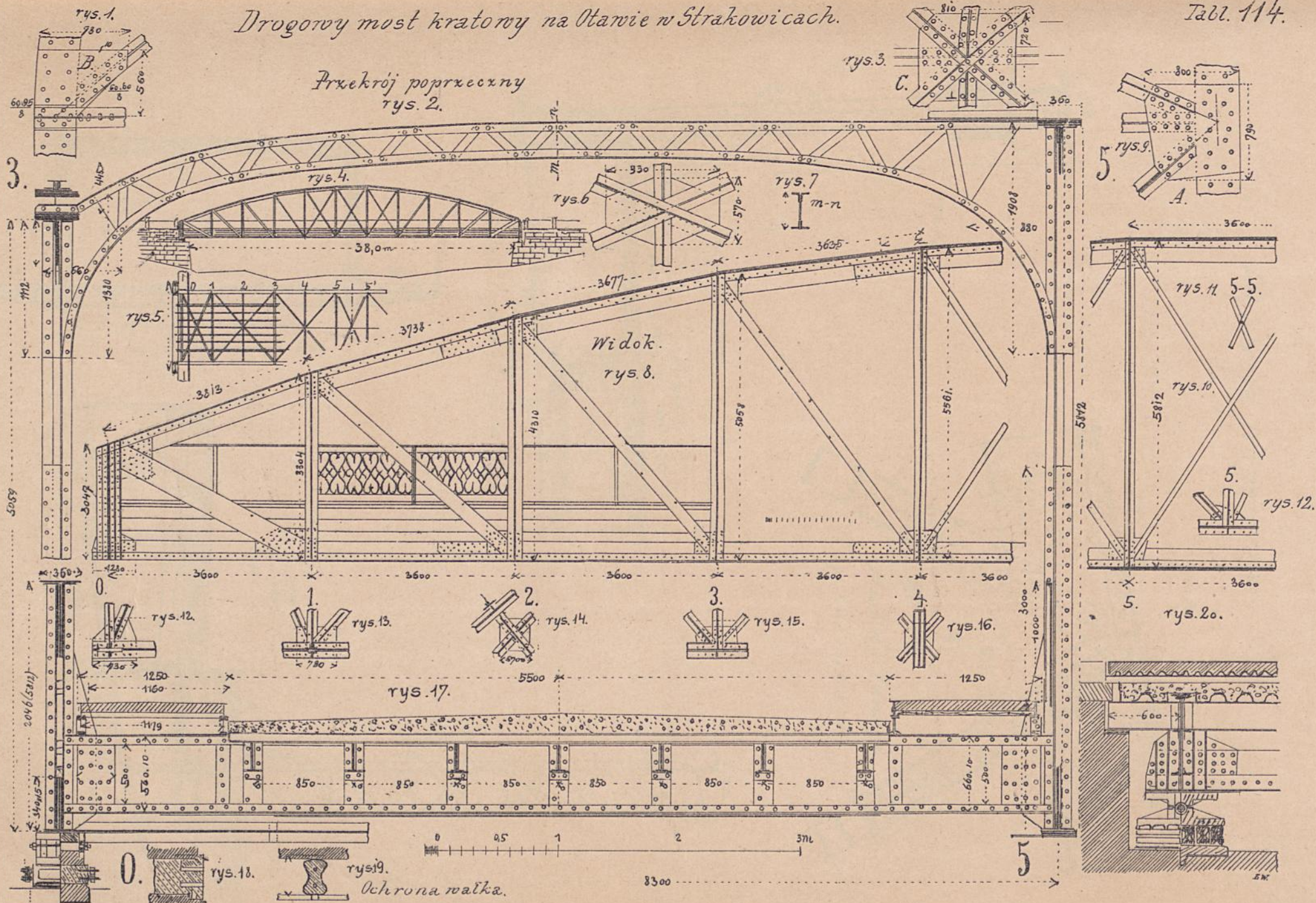
Rys. 3a.



Rys. 3a



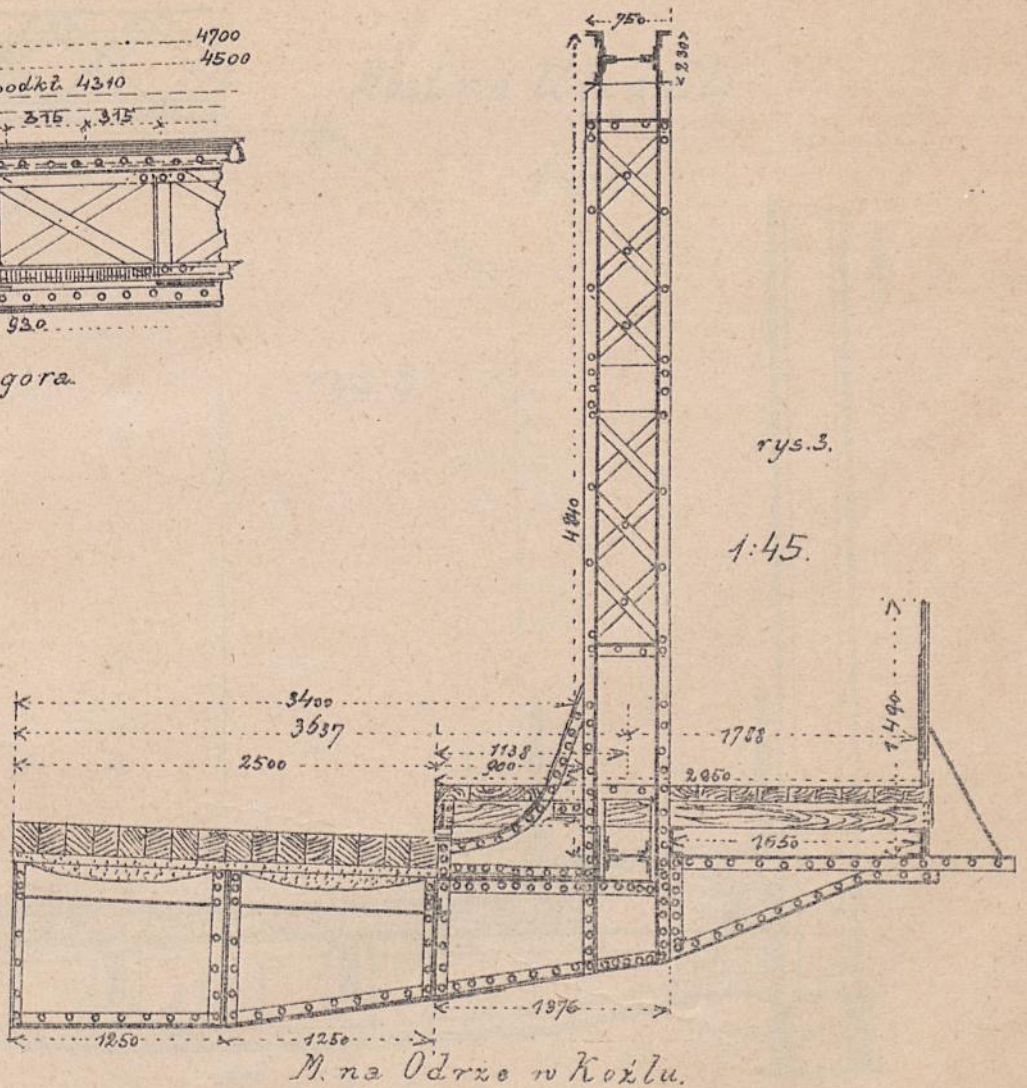
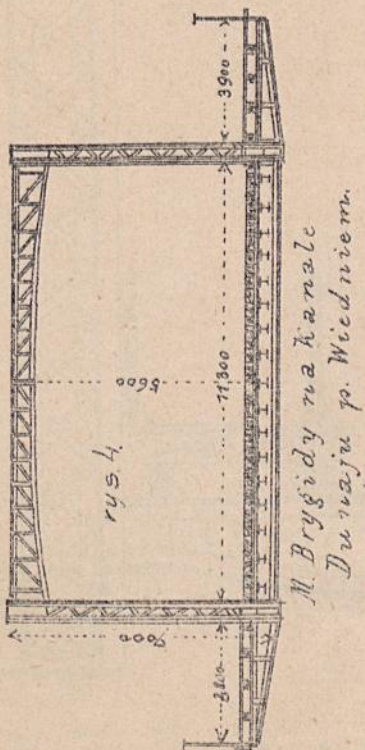
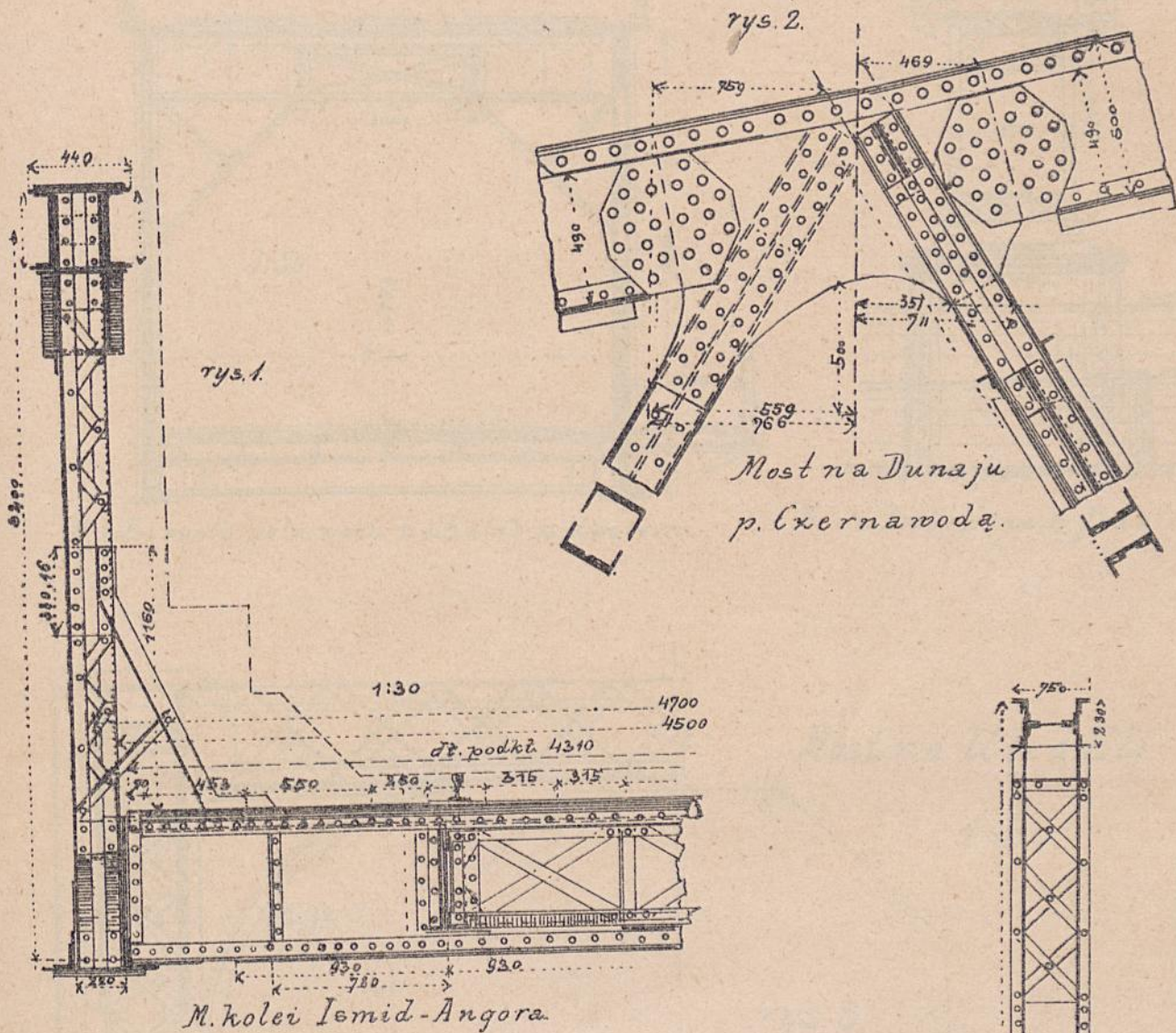
Drogowy most kratowy na Otawie w Strakowicach.





Przekroje poprzeczne

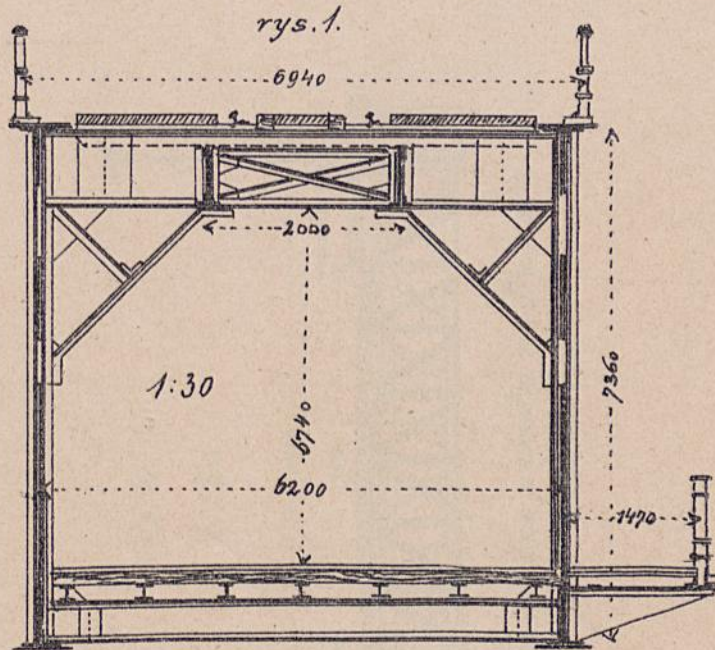
Tabl. 115.



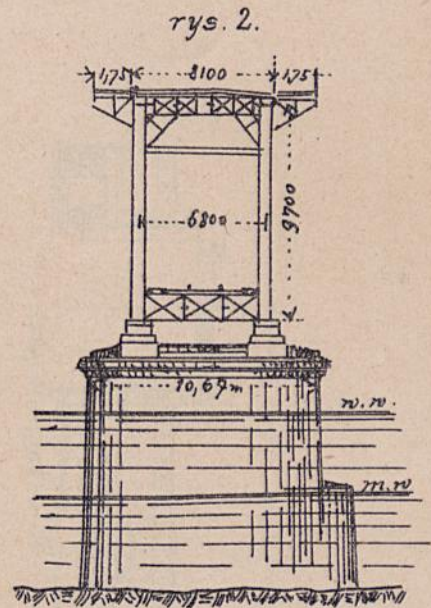


# Przekroje poprzeczne

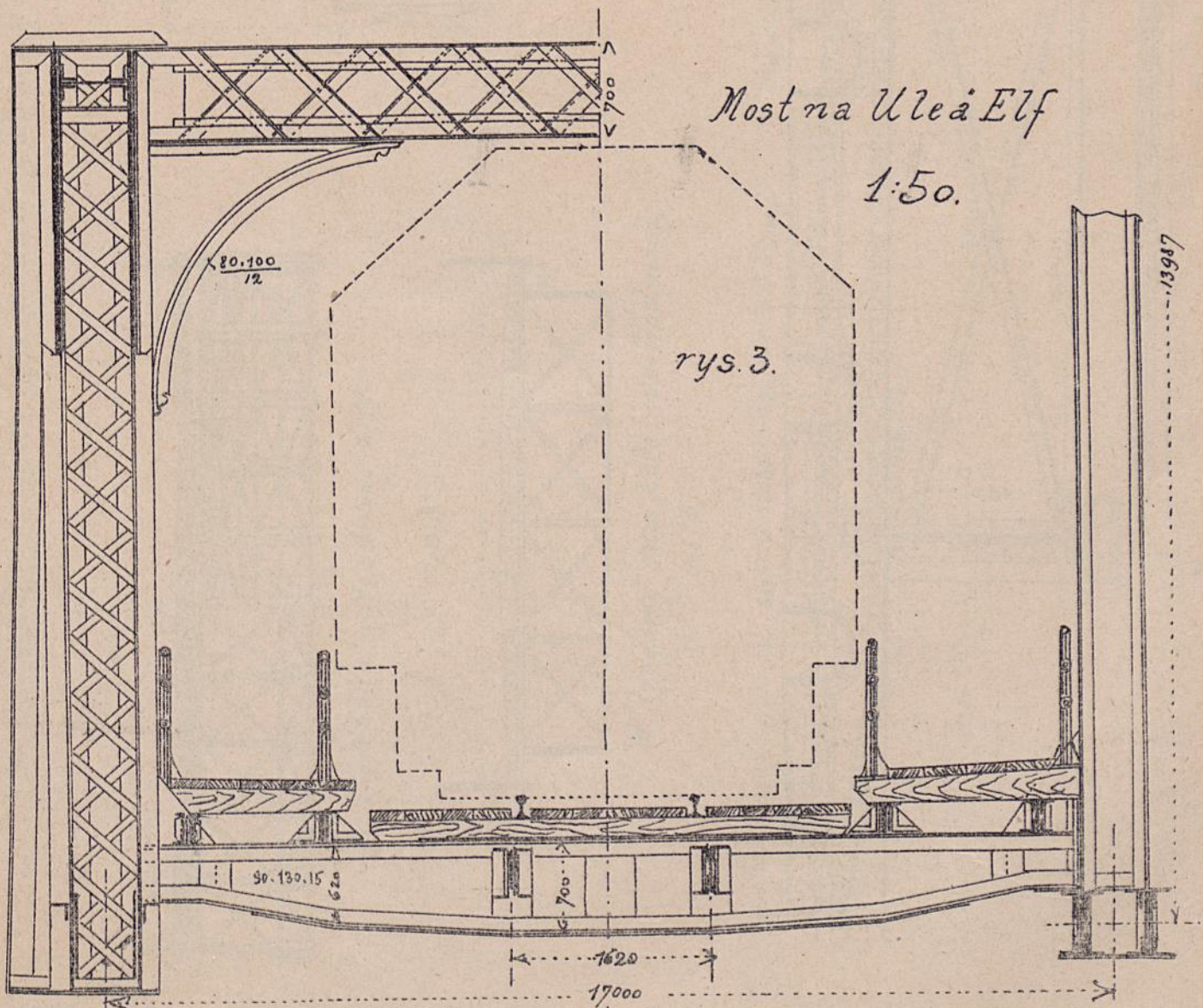
Tabl. 116.



M. kolei austr. półn. zach. na Łabie p. Uściem.



M. na Dnieprze w Jekaterynosławiu.



Most na Uleń Elf

1:50.

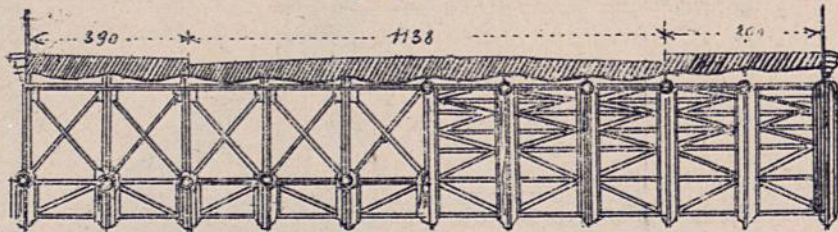
rys. 3.





Odstęp belek głównych.

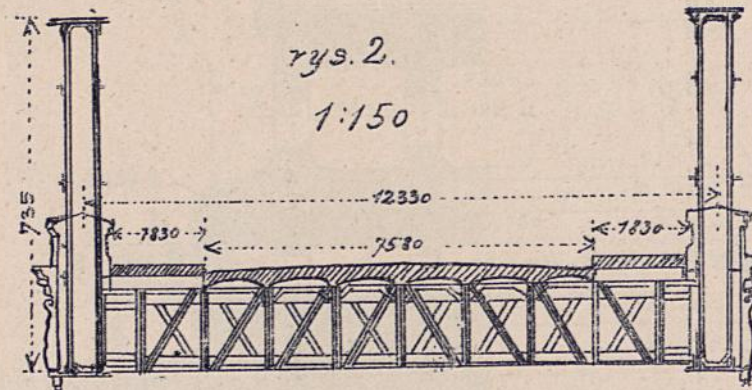
rys. 1.



M. Tegethoffa w Wiedniu. 1:100.

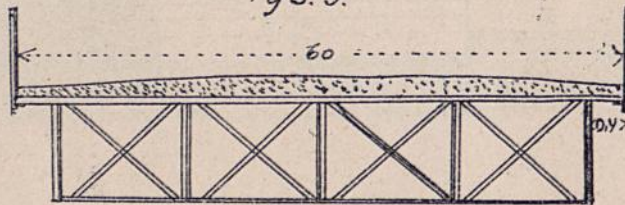
rys. 2.

1:150

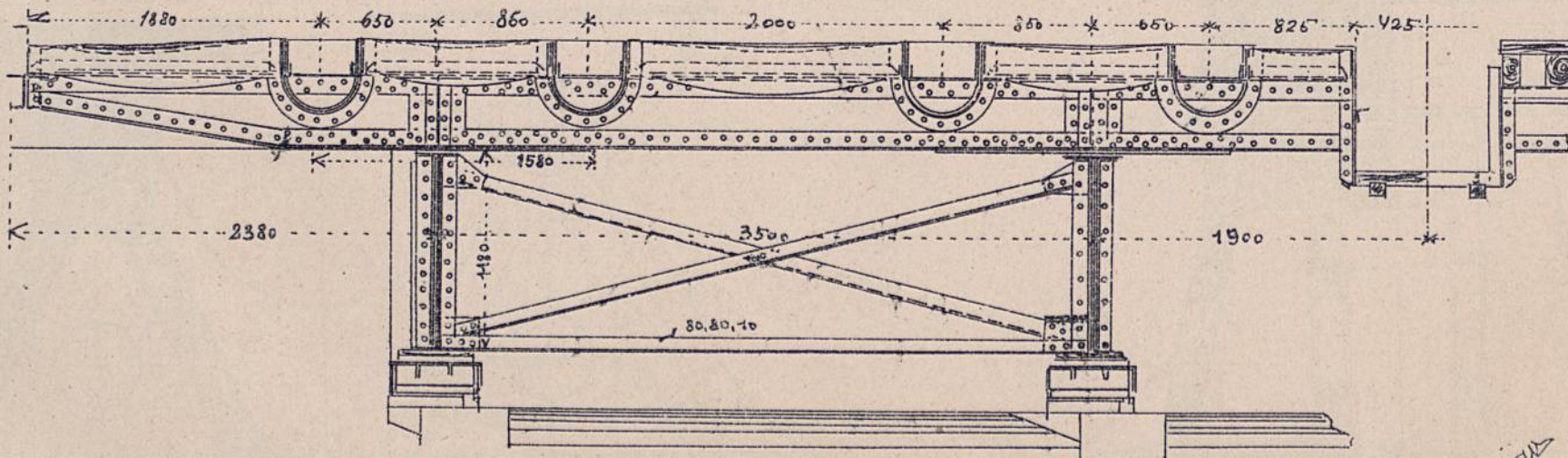


M. nadrodze parowozu na Dunaju pod Wiedniem

rys. 3.



M. drogowy sz. w. kolei wschodniej.  
1:15.



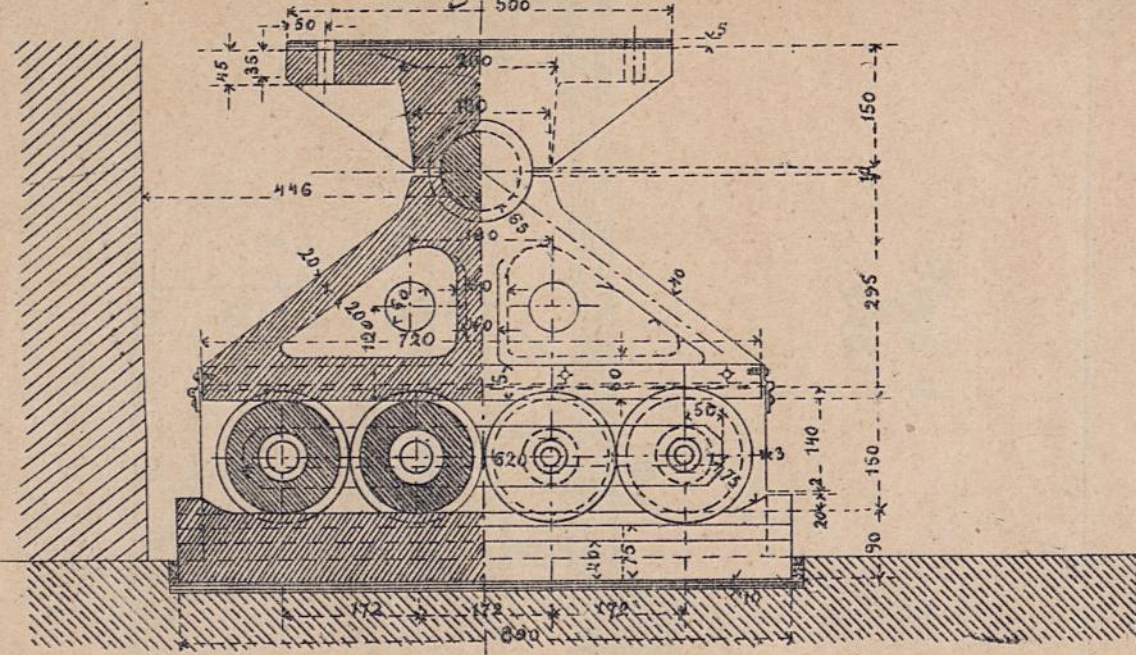
M. na Sprewie w parku Bellevue. 1:40



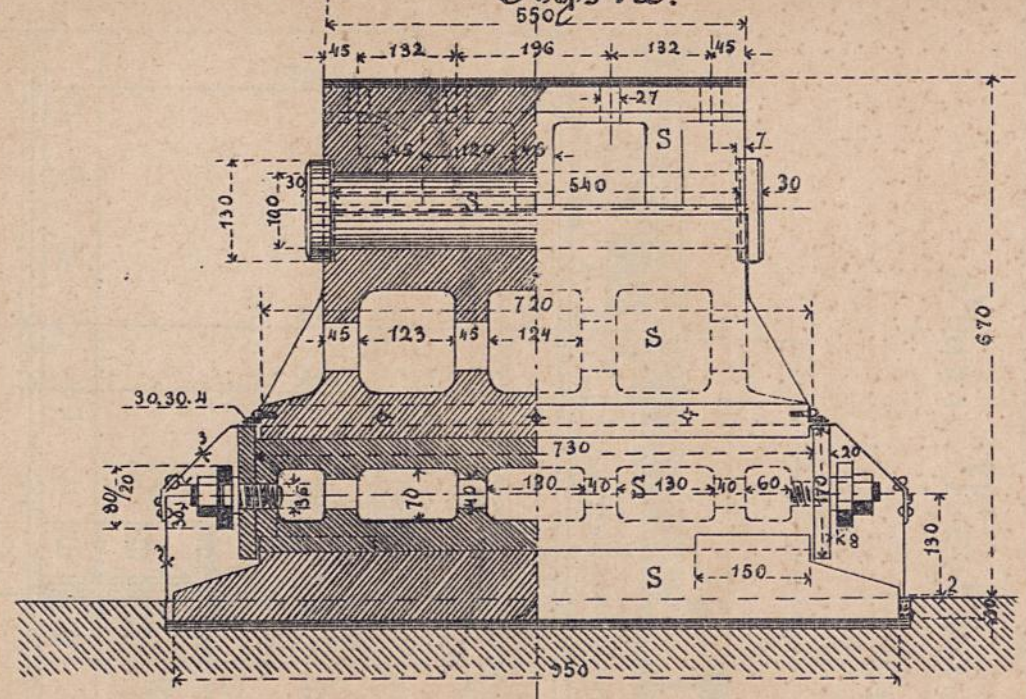
# Most na Trumie w Wels

1:10

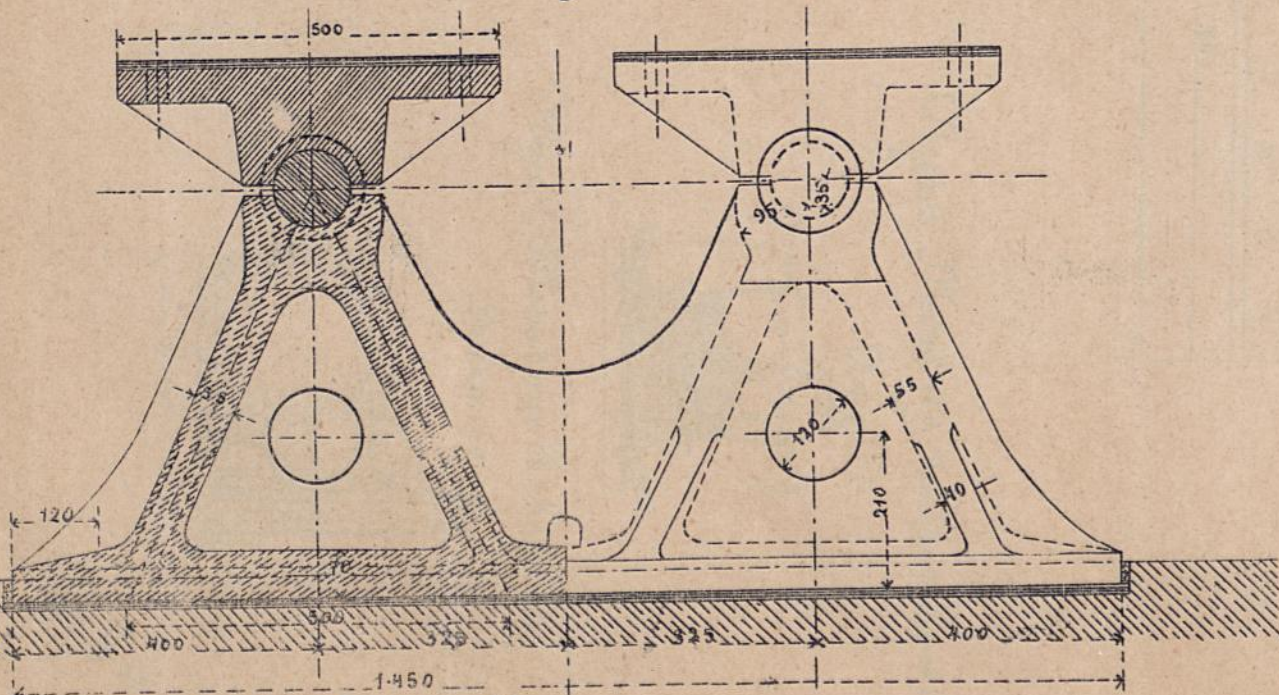
Rys. 1



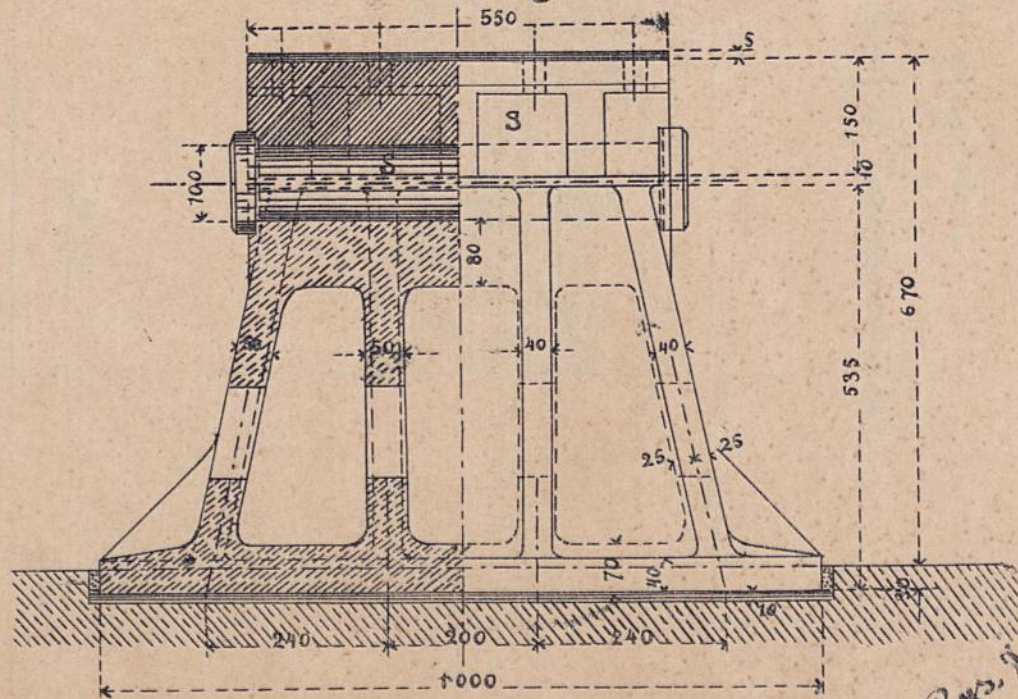
Rys. 1 a.



Rys. 2.



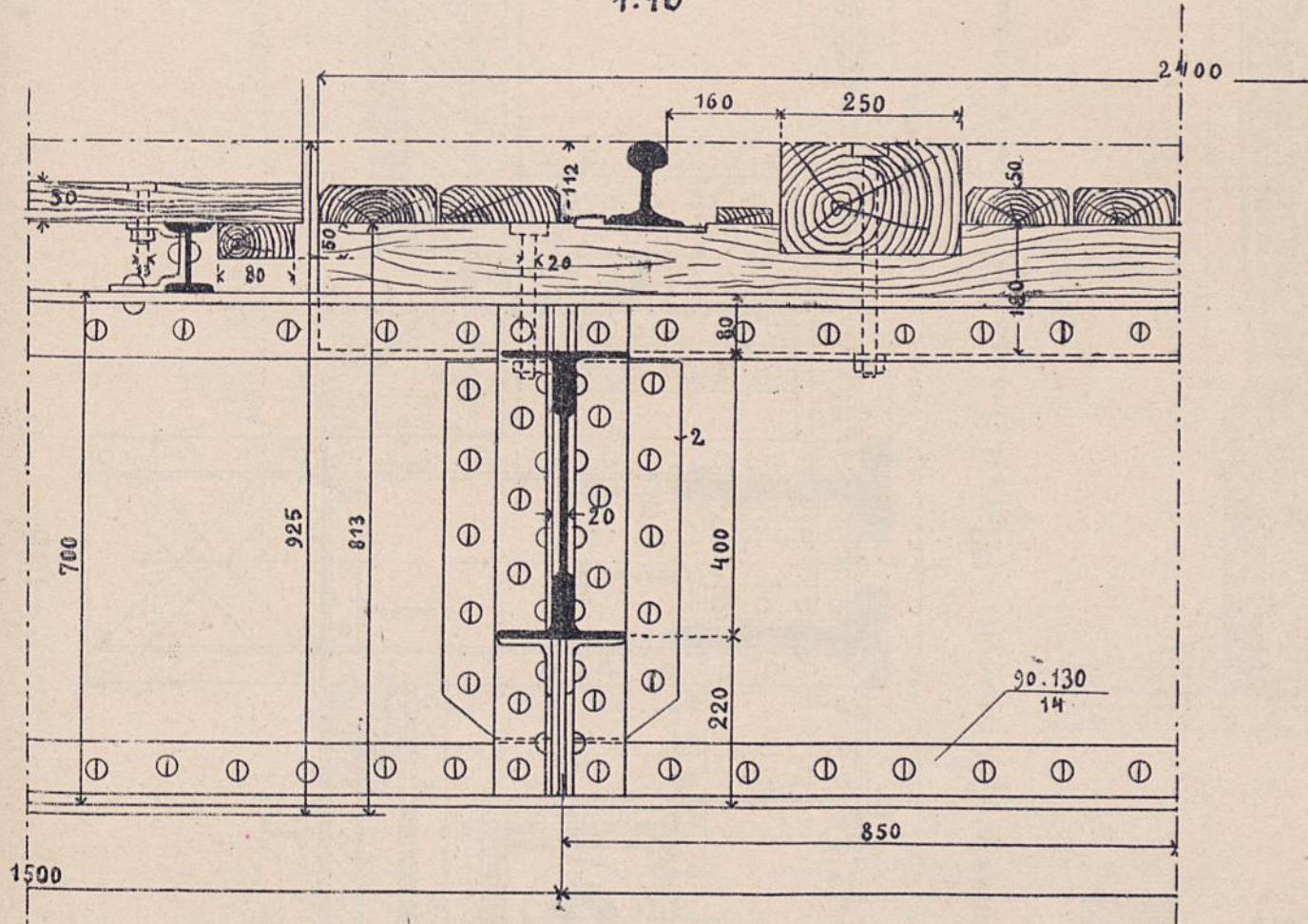
Rys. 2 a.



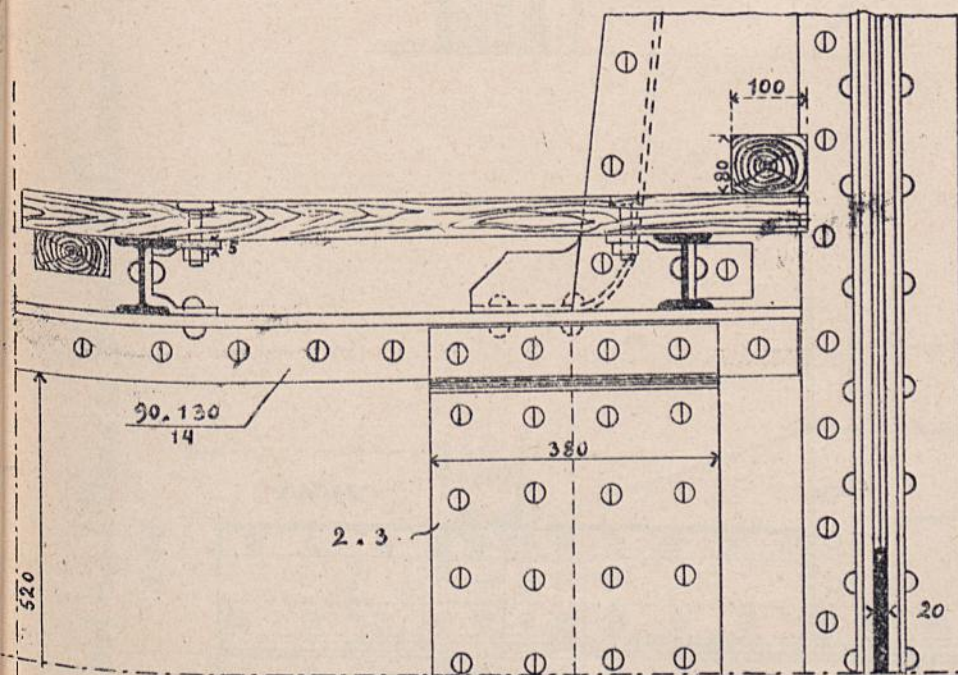


Уберпеченіе прѣціу выколеженію.  
 Рѣс.1. Мост на потоку Лѣг в Залесіанскѣ.

1:10

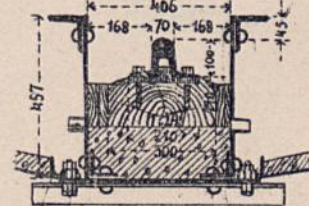


Рѣс.2.  
1:10

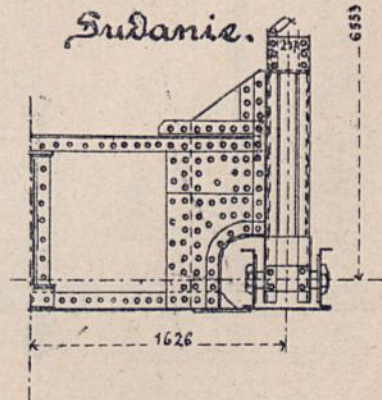


Рѣс.3. Мост на Лакое Fork в Англии.

1:24



Рѣс.4. Мост на Аббарне в Судане.

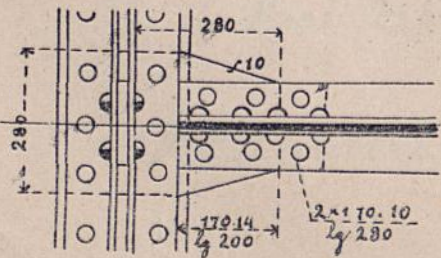
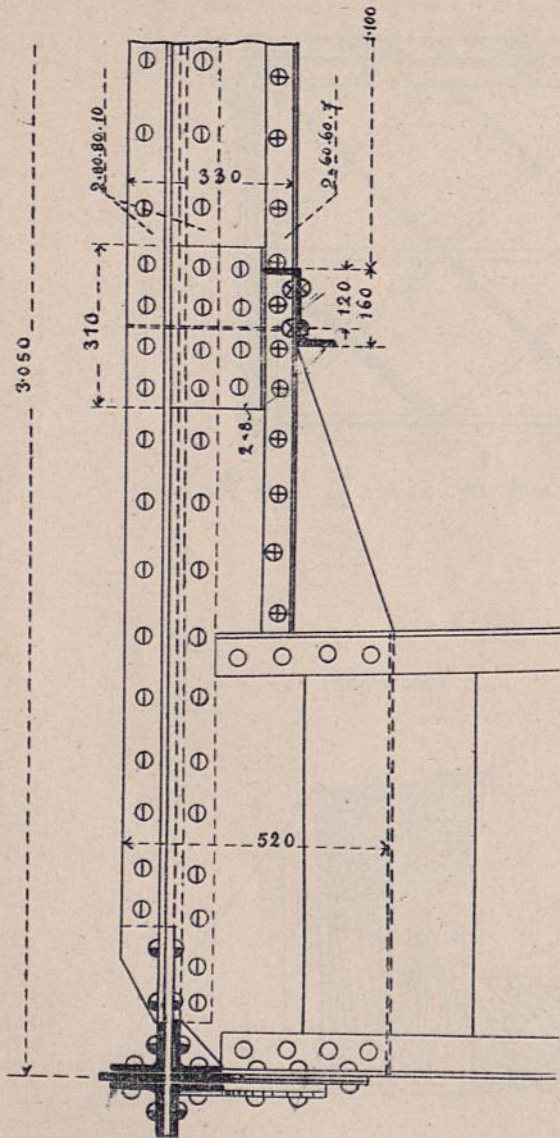


Рѣс. 8. 2)



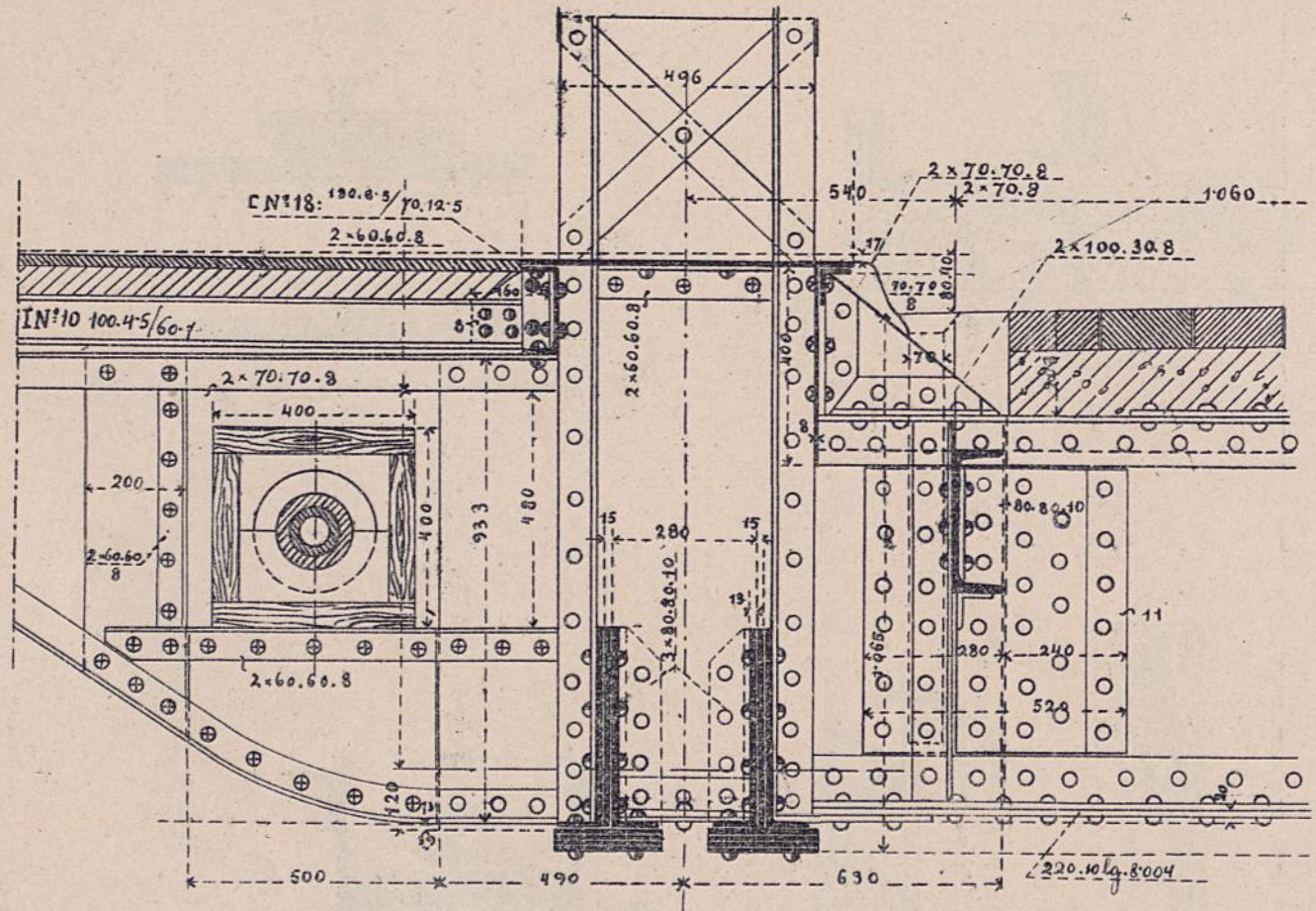
Rys. 2. Most na Odze w Świątosławiu.

1:15



Rys. 1. Most na Wiedence w Hadersdorf-Weidlingen.

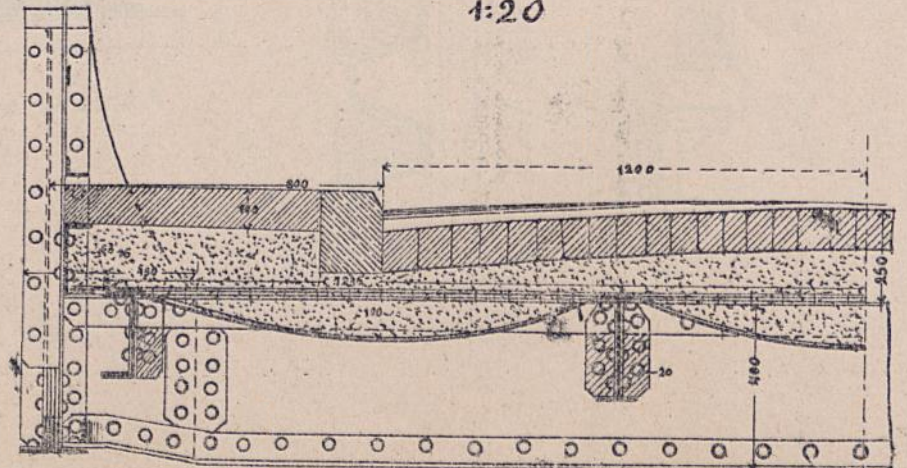
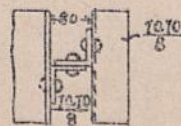
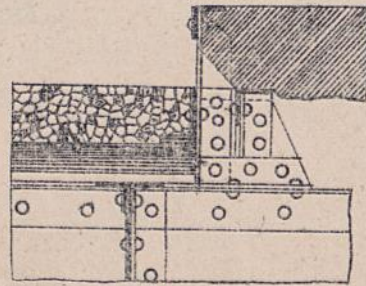
1:15



Rys. 3. Most na Mbenie w Eltmann. Rys. 4. Srejanogora, na Dworcu w Mbinden

1:15

1:20

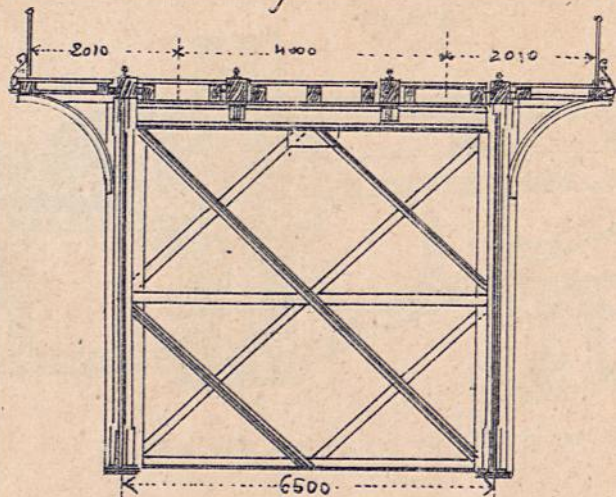


Rys. 8.2)



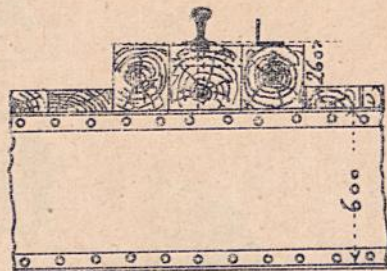


rys. 1.



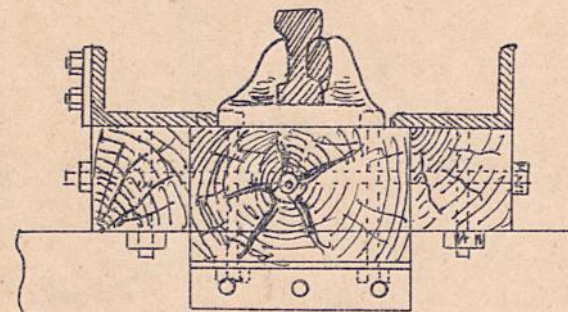
M. na Renie p. Waldhut.

rys. 2.



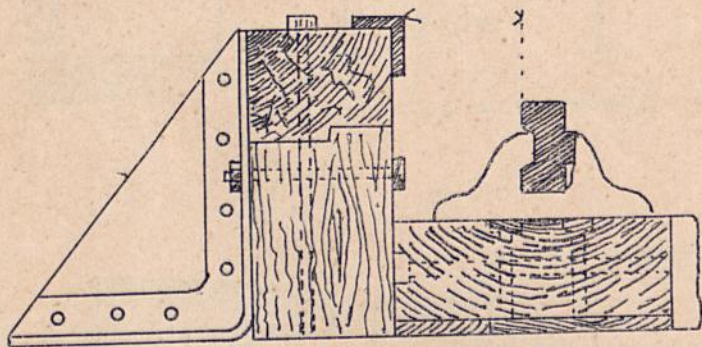
M. kolei Wiedeń Gottendorf  
1:30

rys. 3.



M. Britannia (Anglia).

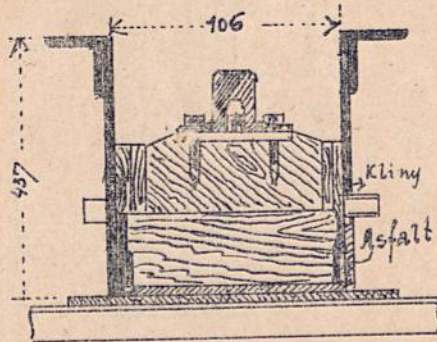
rys. 4.



Most Ribble.

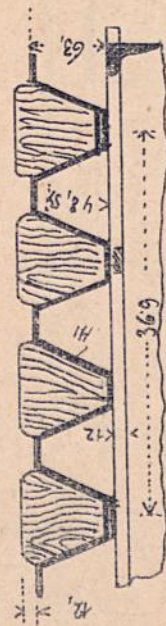
Dr. M. Thullie: Mosty krat. zel.

rys. 5.



M. na zatoce Forth  
1:14.

rys. 6.



Most Chenab w Indyach.

rys. 7.

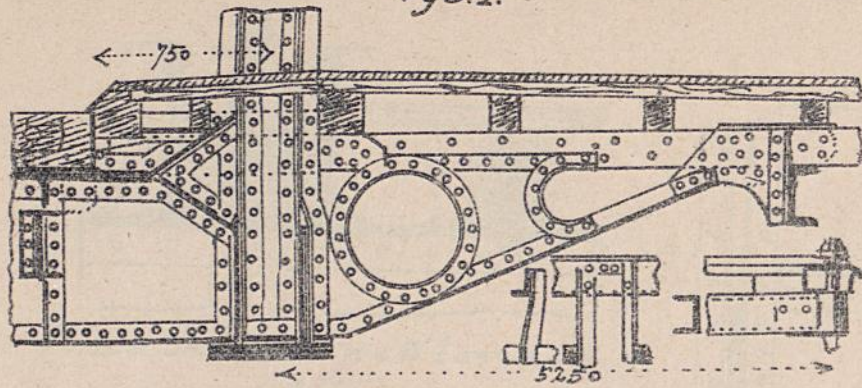


Kolej państwowa bawarska.



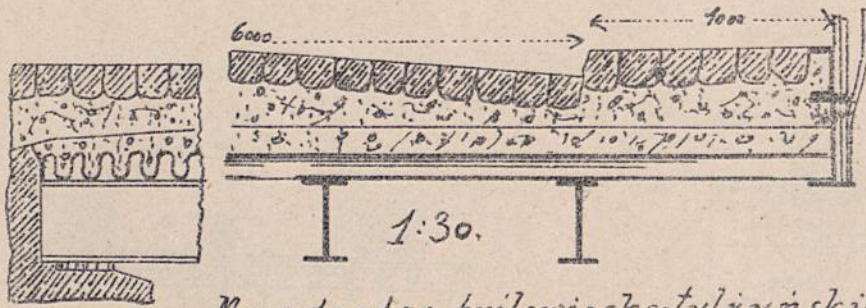
Ustrój pomostu mostów drogowych.

rys. 1.



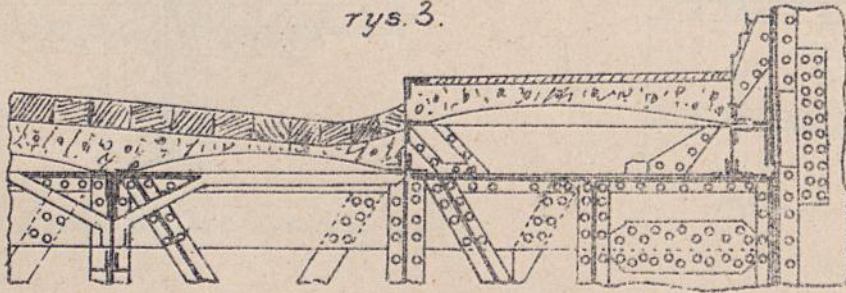
M. na Wexerxe w Bremie.

rys. 2.



M. na drodze królewiecko-tylżyńskiej.

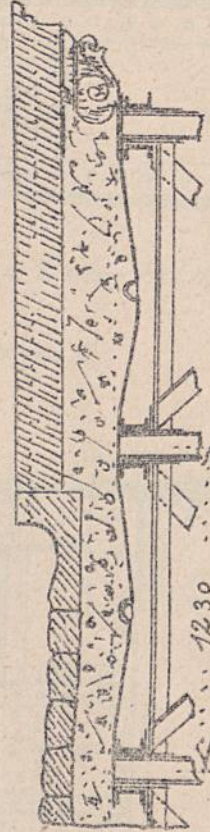
rys. 3.



M. na Dunaju we Wiedniu. 1:30.

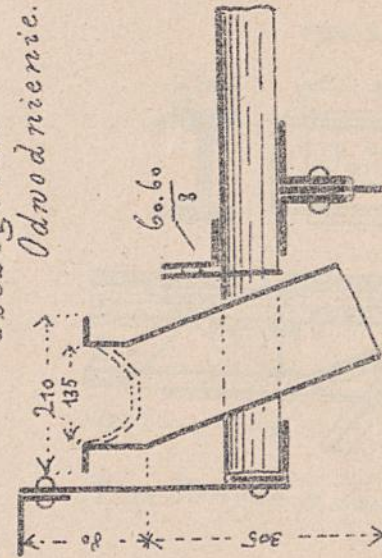
Dr. M. Thullie: Mosty krat. zel.

rys. 4. 1:30.

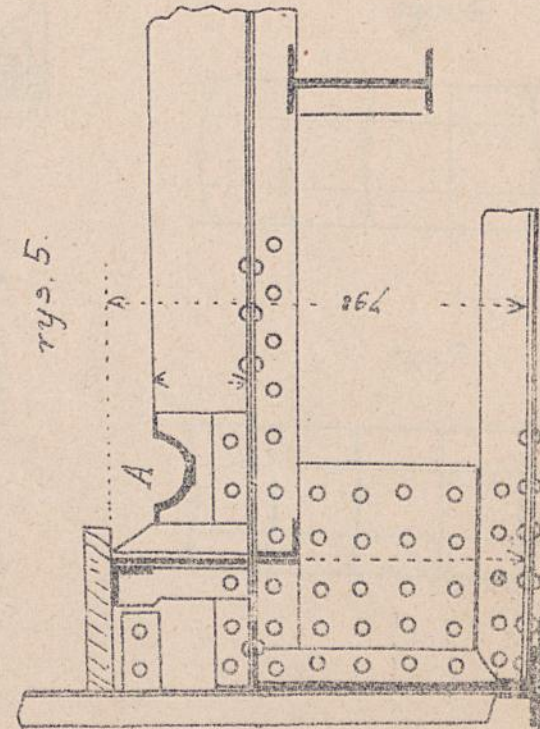


M. na Sprewie w Berlinie.

rys. 5a.  
Szczegół A.  
Odwodnienie.



rys. 5.



M. na drodze ze Lwowa do Białohorszczy.

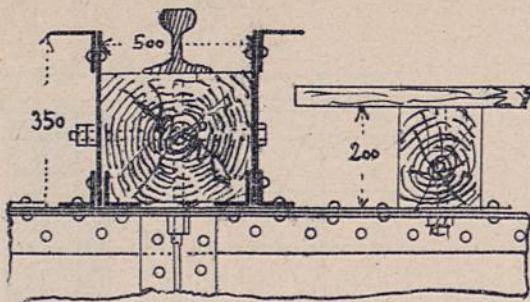
E.W.



# Połączenie podłużnic z poprzecznicami

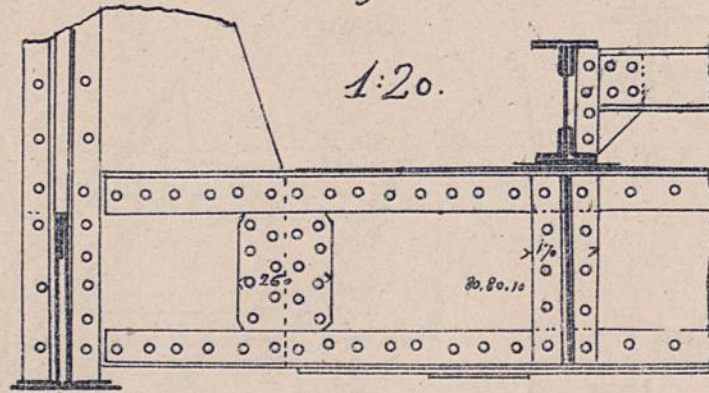
Tabl. 123

rys. 1.



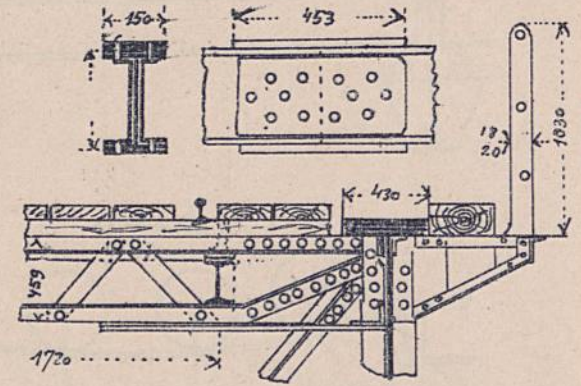
M. na Cervaro we Włoszech.  
1:15.

rys. 2.



Podjazd w Osterfeld.

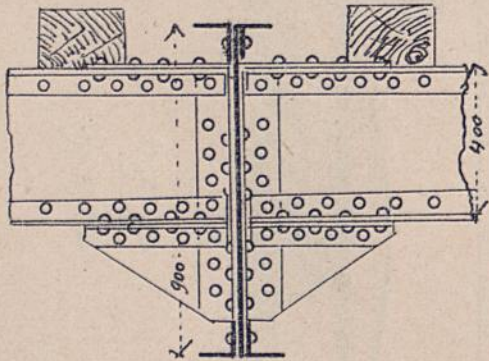
rys. 3.



M. na Dunaju p. Zwiefaltendorf.

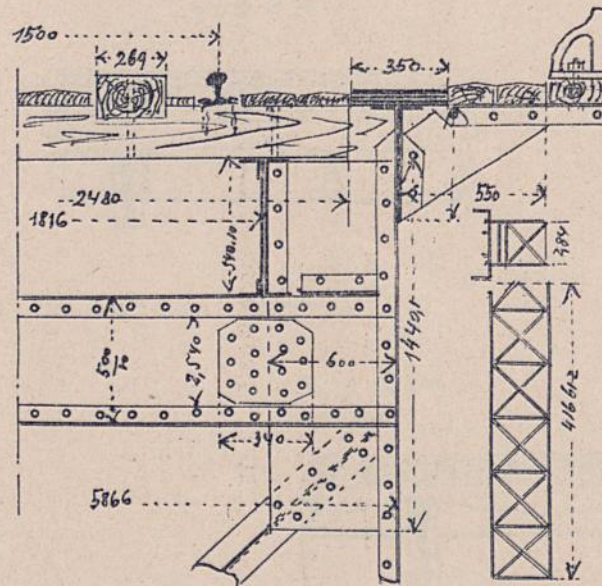
rys. 4.

1:20.



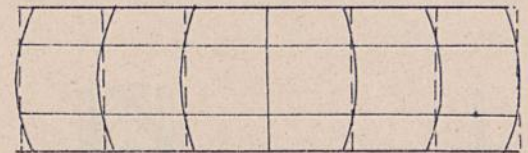
M. na Lecku p. Kwidzynie.

rys. 5.

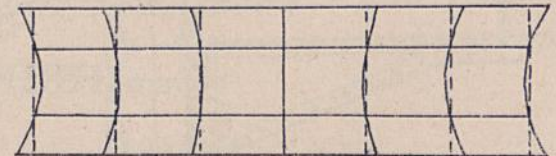


M. kolei Rakonicko-protiwińskiej

rys. 6.



rys. 7.

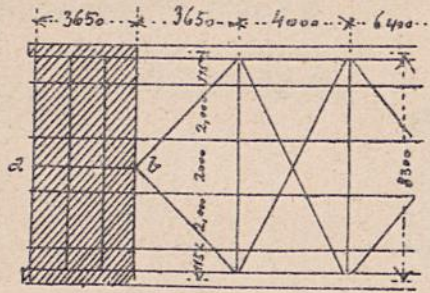


E.W.

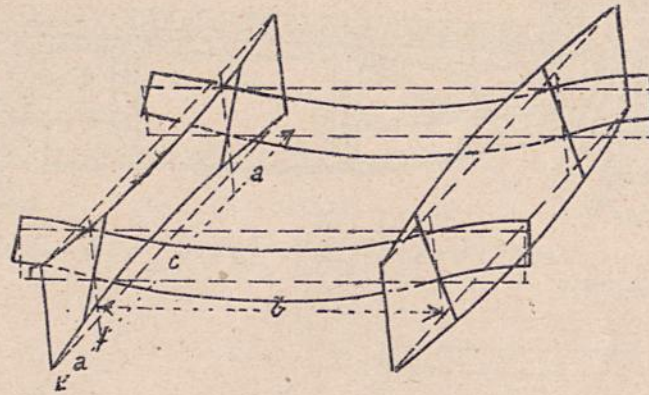


Połączenie podtucknic x poprzecznicami.

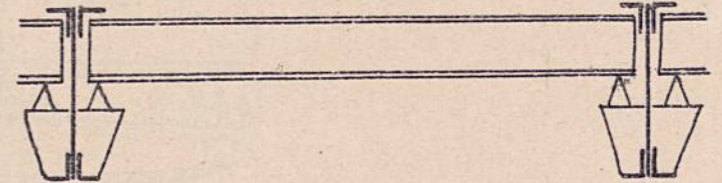
rys. 1.



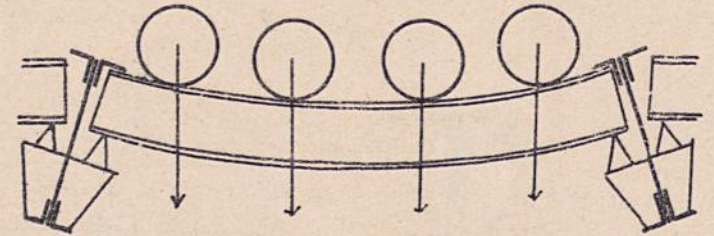
rys. 2.



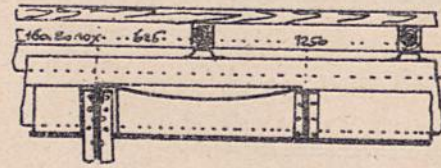
rys. 3.



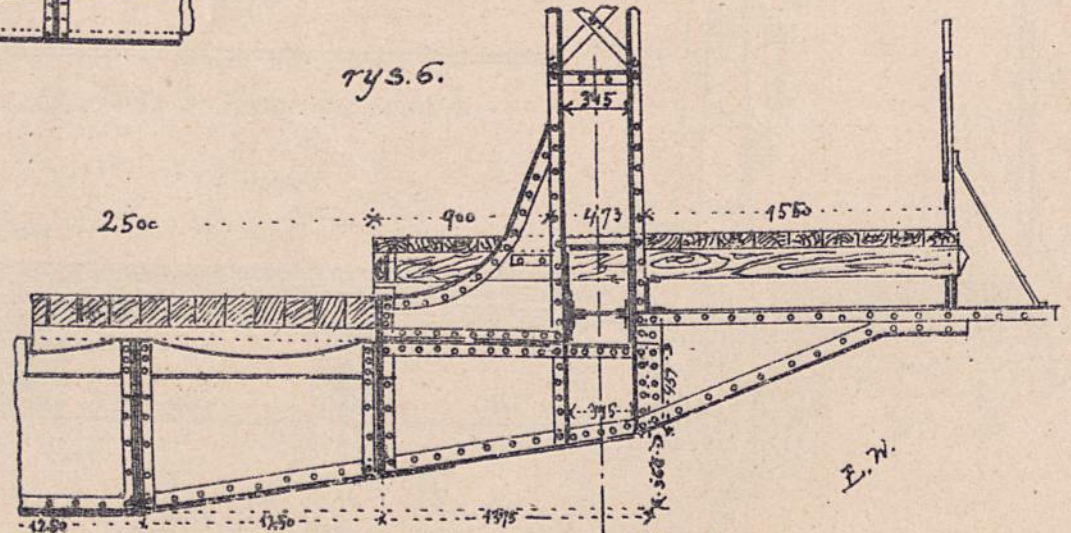
rys. 4.



rys. 6 a.



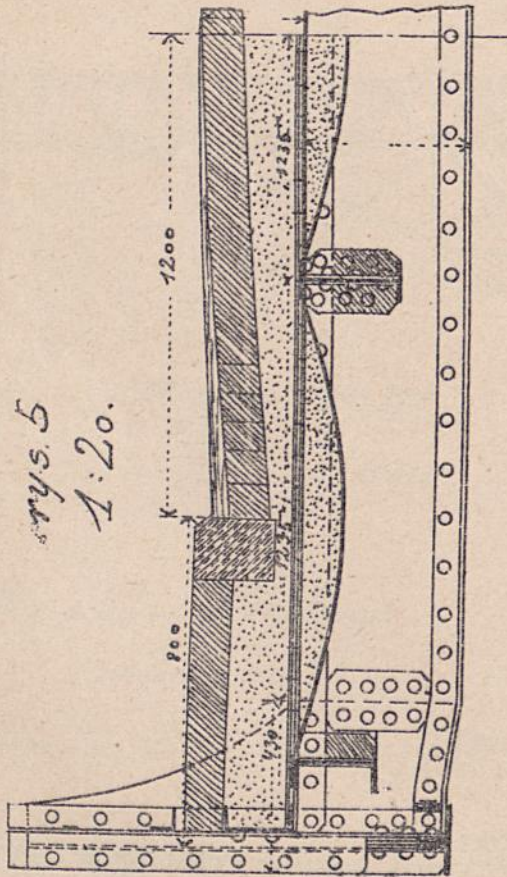
rys. 6.



Most na Odrze pod Koźlem.

E. W.

rys. 5  
1:20.

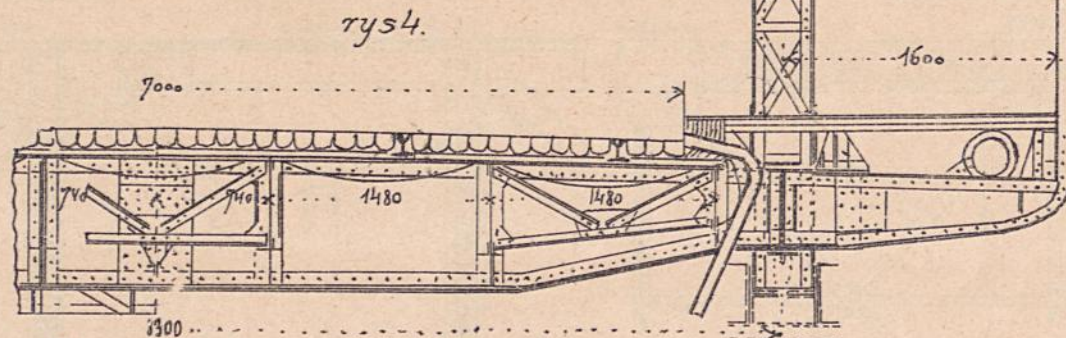


Przejazd górą nad wozem w Minden.





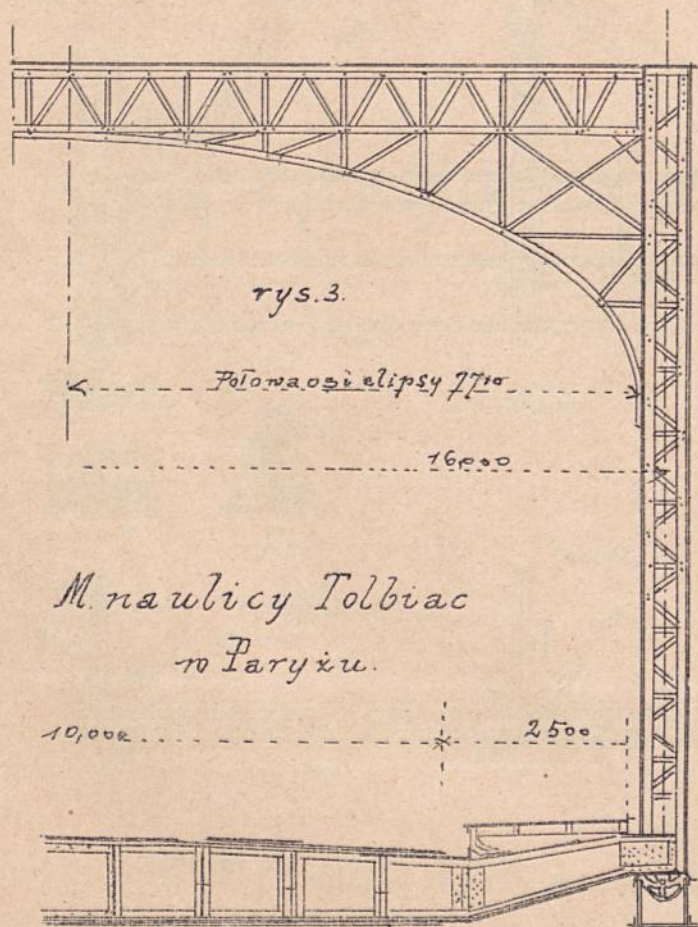
Odgraniczenie drogi i chodnika.



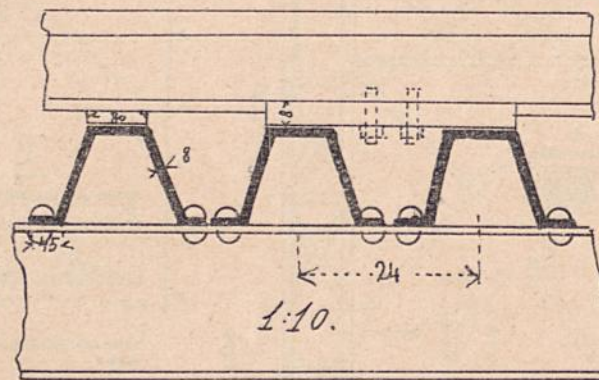
M. na Łabie pod Harburgiem.

rys.2.

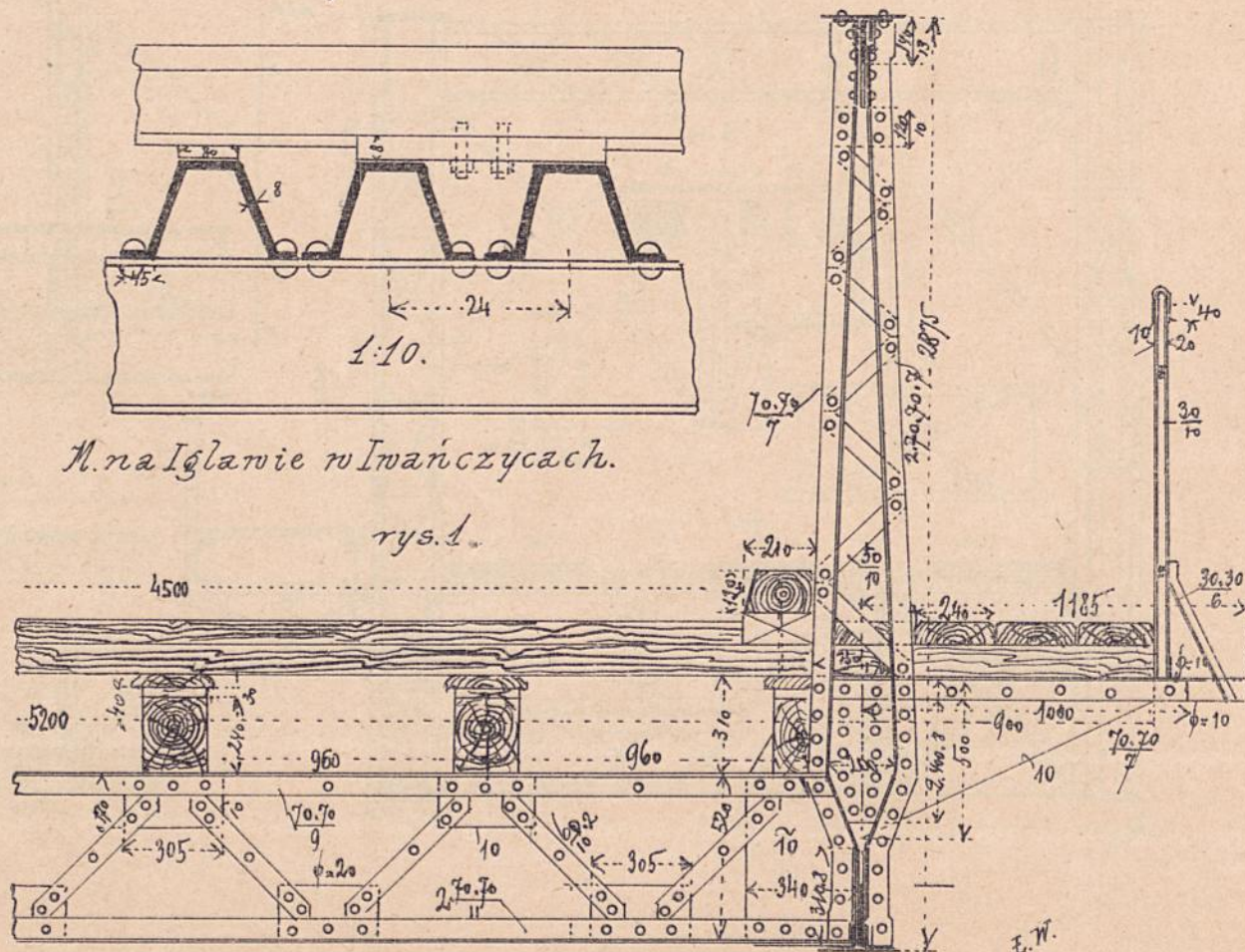
Tabl. 125.



M. na ulicy Tolbiac w Paryżu.



M. na Igławie w Iwanieczach.



M. na Noteci p. Oburxnem w Poznańskiem.

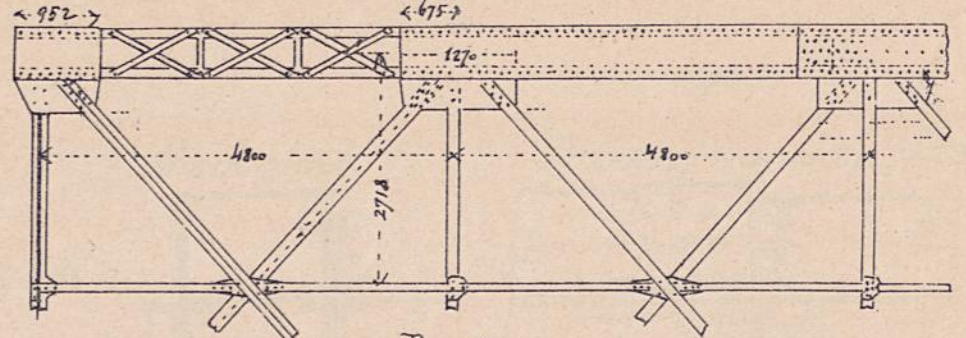
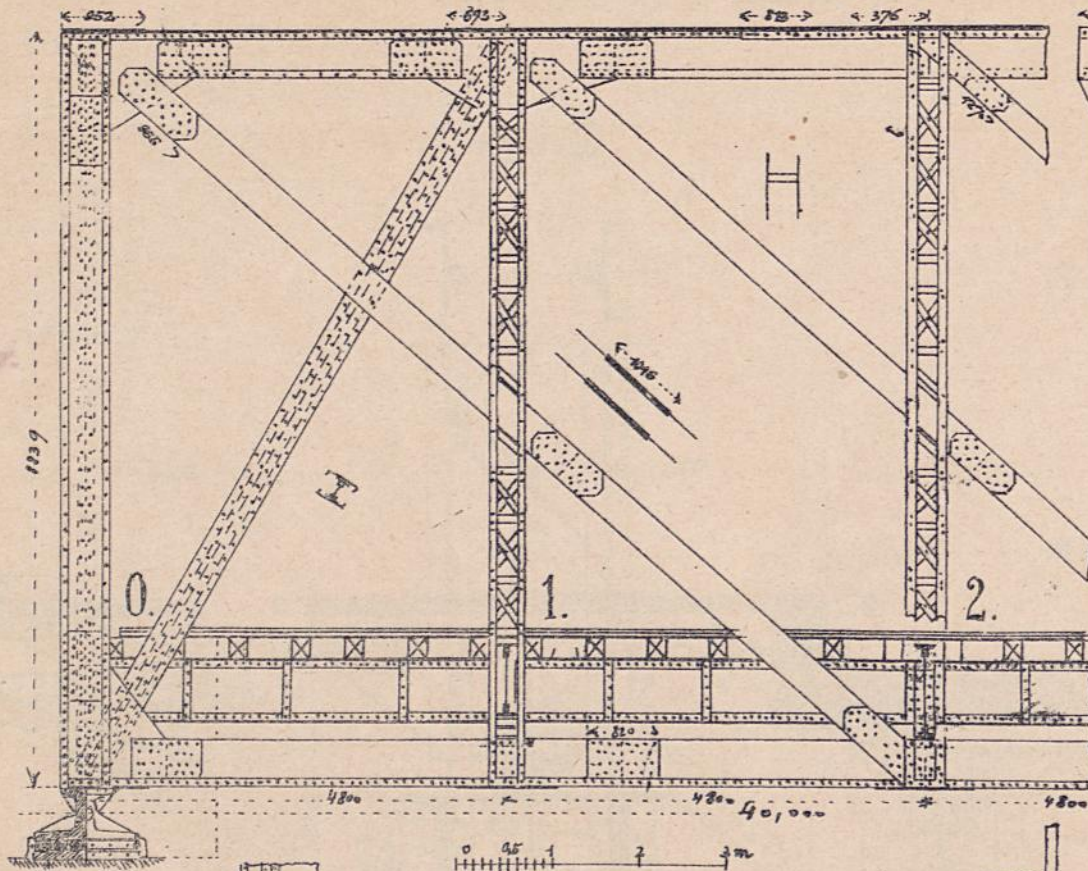
D. M. Thullie: Mosty krat. zel.

E. W.

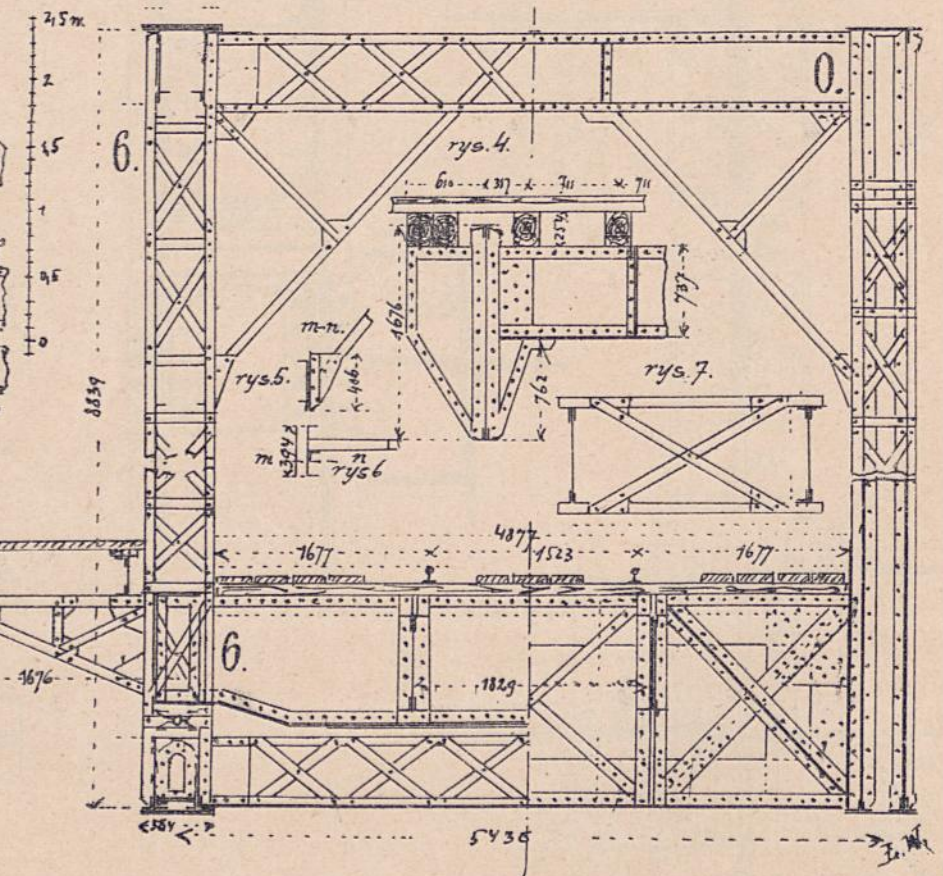


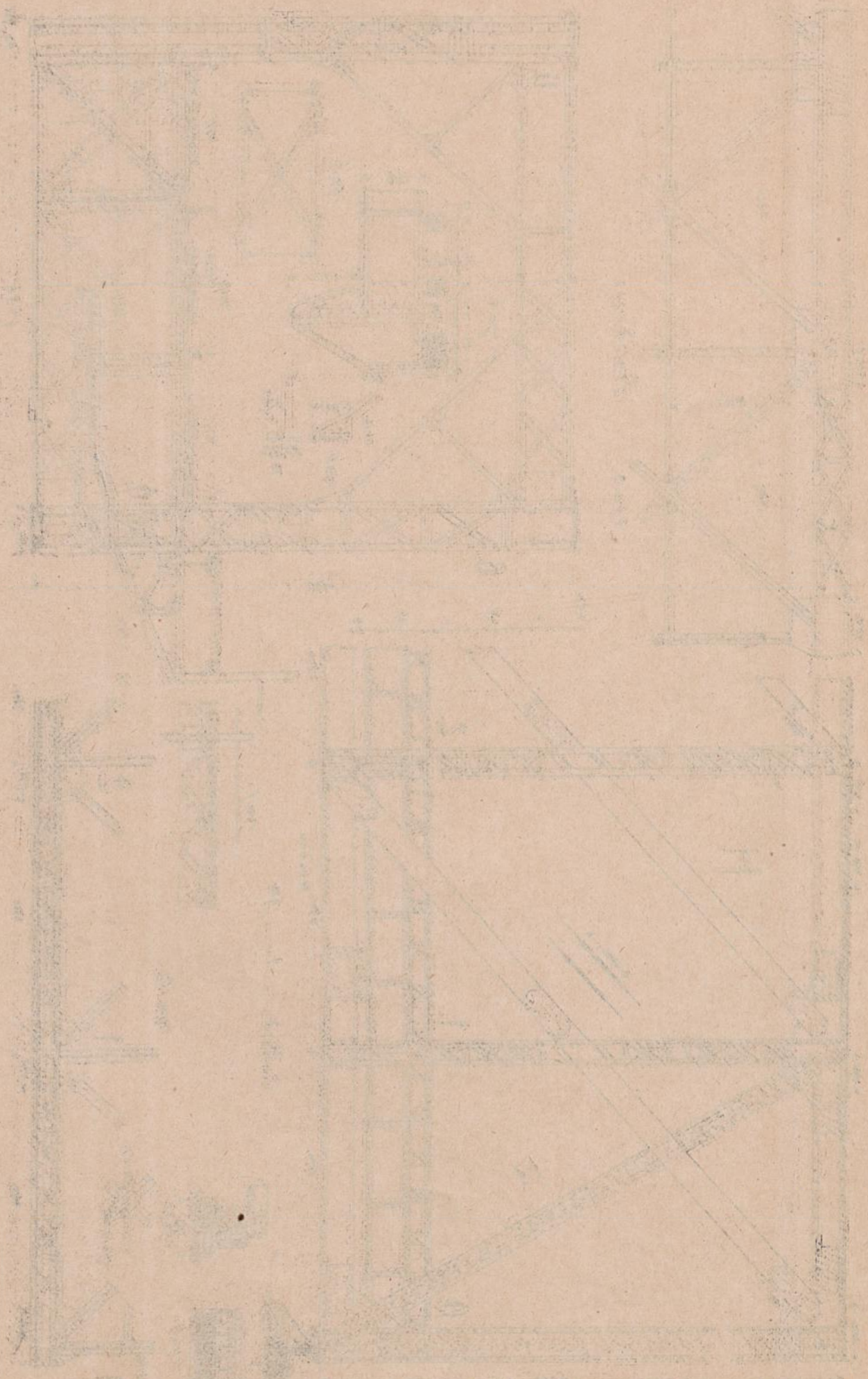
rys.1. Widok.

rys.2. Widok z góry.



rys.3. Przekroje.



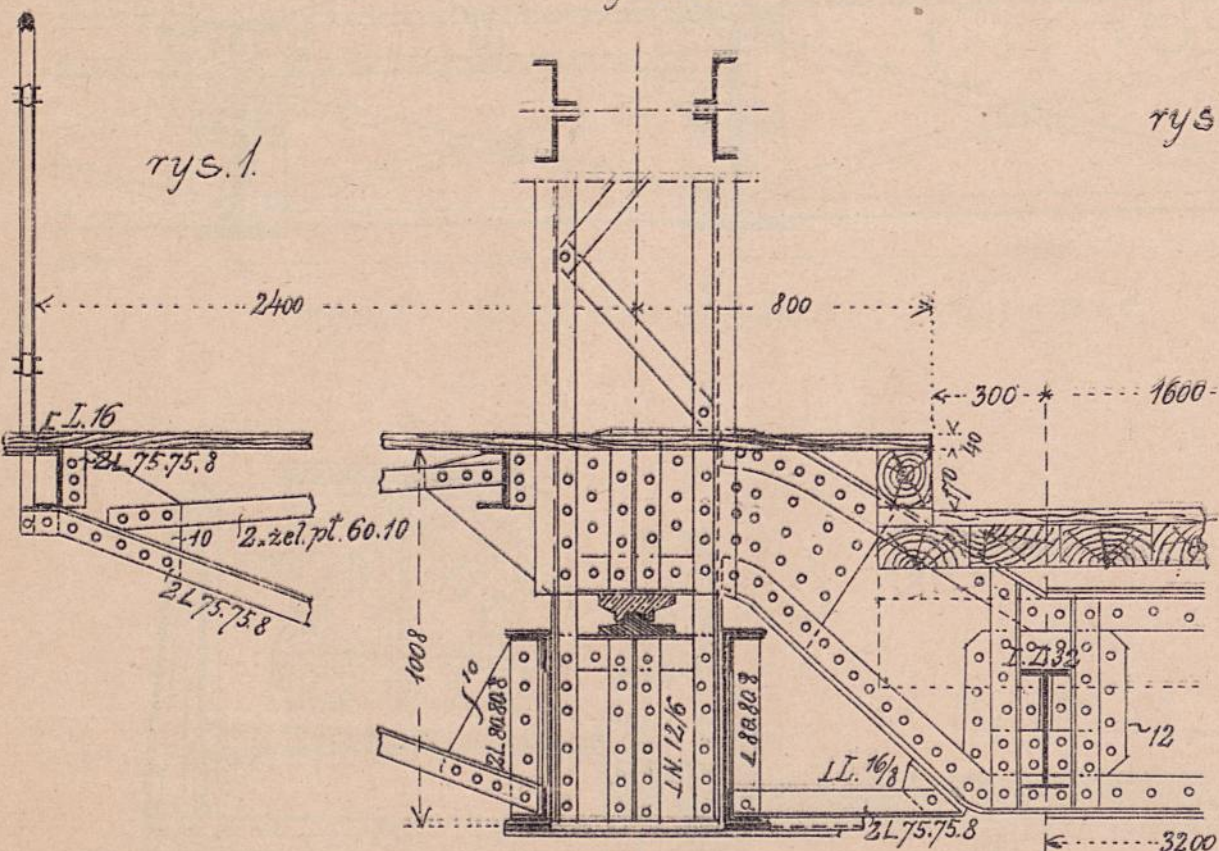


Faint vertical text on the left side of the page, possibly a page number or reference code.

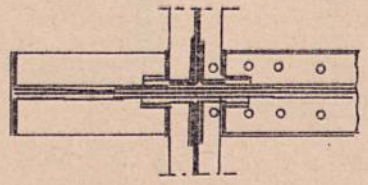
Faint vertical text on the right side of the page, possibly a page number or reference code.

# Most na Saarze pod Saarbrücken.

Tabl. 127.



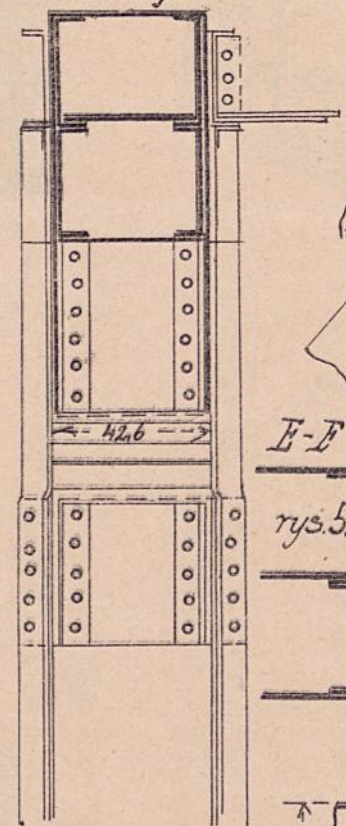
1:20.



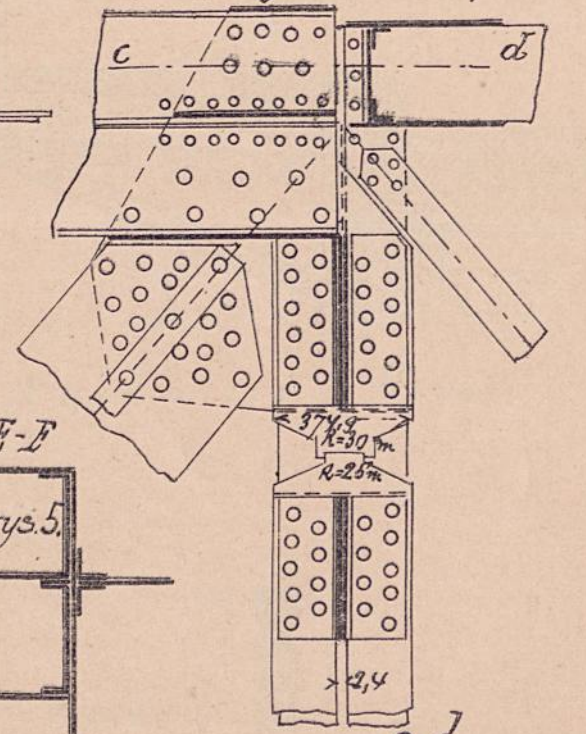
rys. 3.

rys. 4.

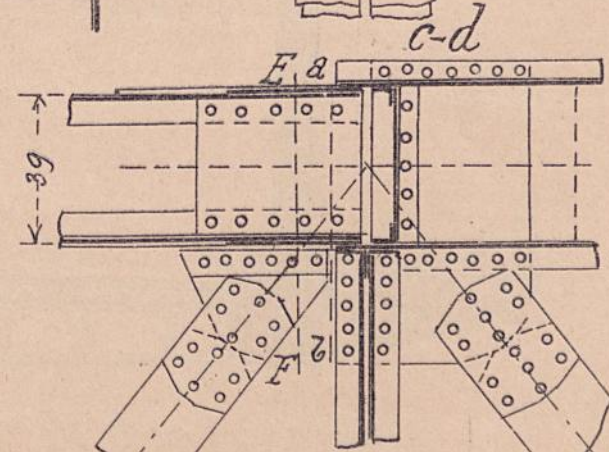
Przekrój a-b.



Przekrój środku pasa.



E-F  
rys. 5.



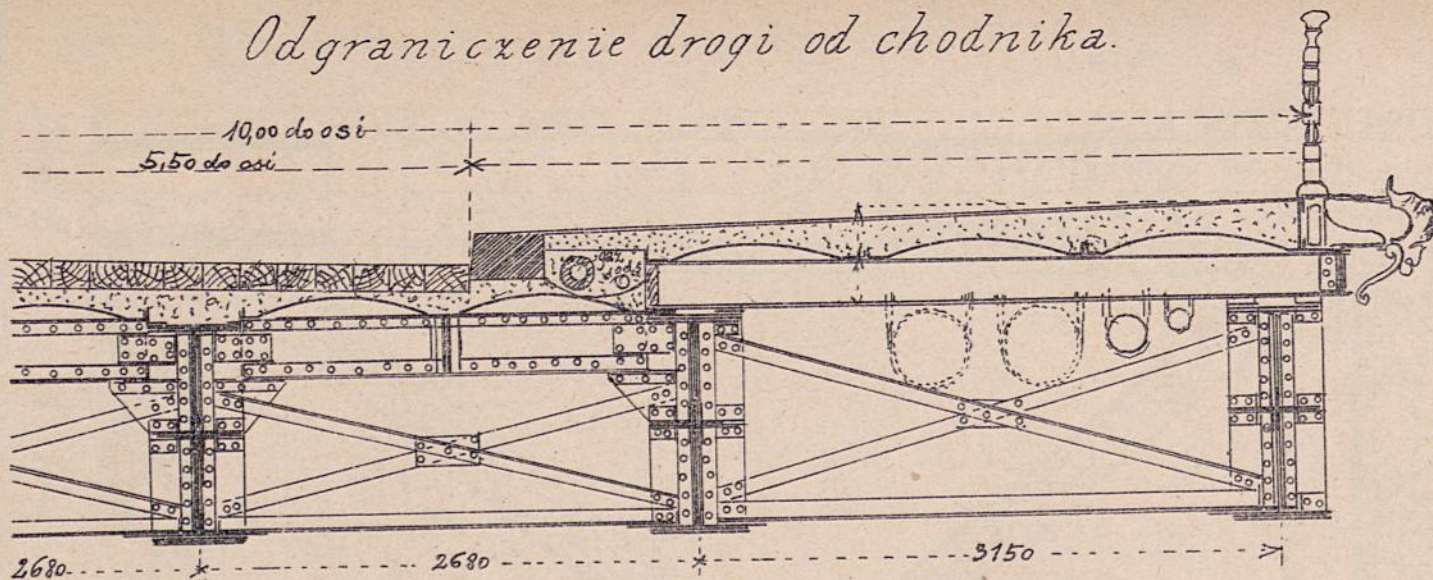
rys. 7.

rys. I. W.

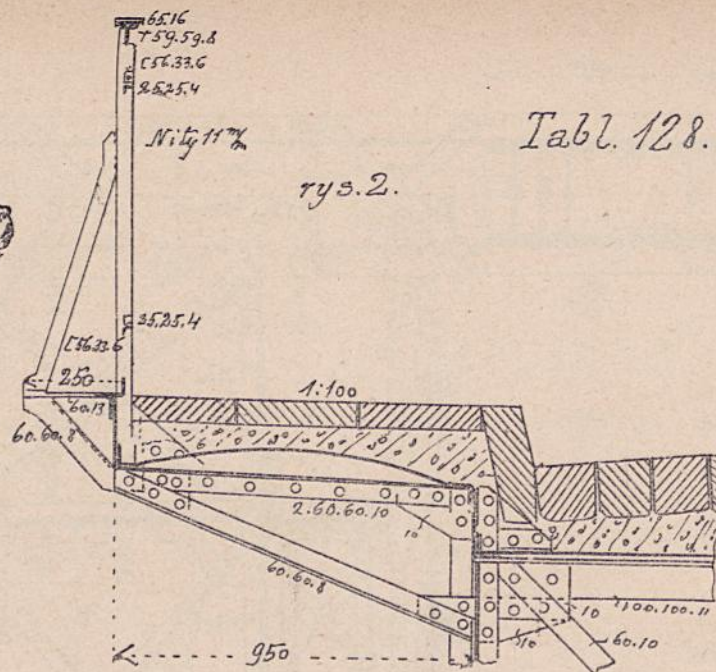
Dr M. Thullie. Mosty krat. żel.



Odgraniczenie drogi od chodnika.



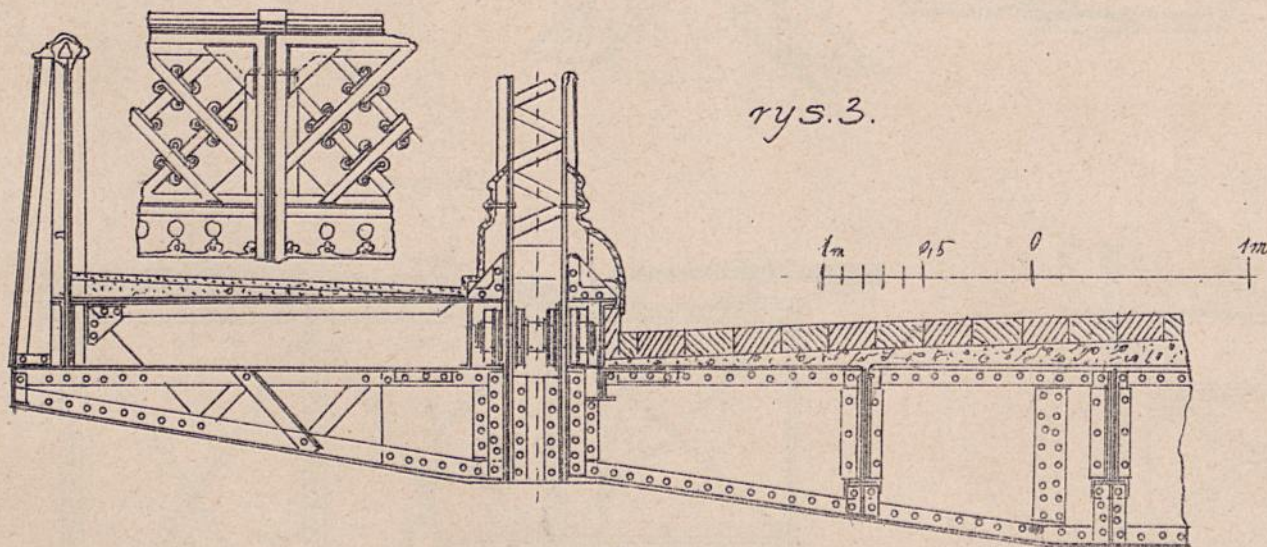
rys. 1. Most na Rodanie w Lionie.



Tabl. 128.

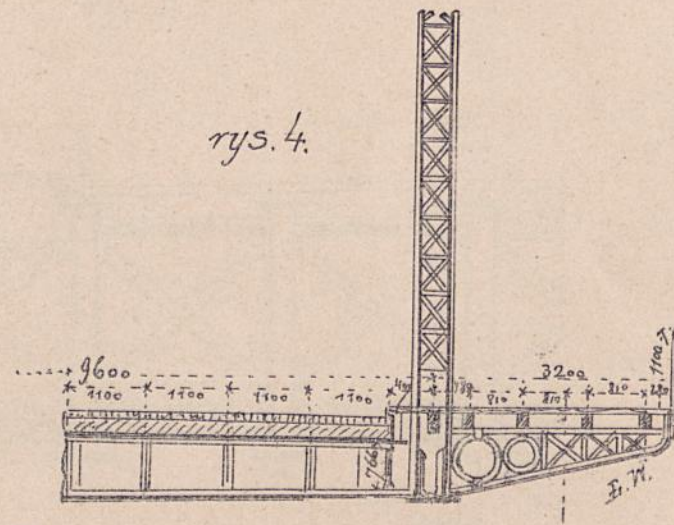
rys. 2.

M. na Wexerze w Hoya.



rys. 3.

M. na rzece Taff w Cardiff.



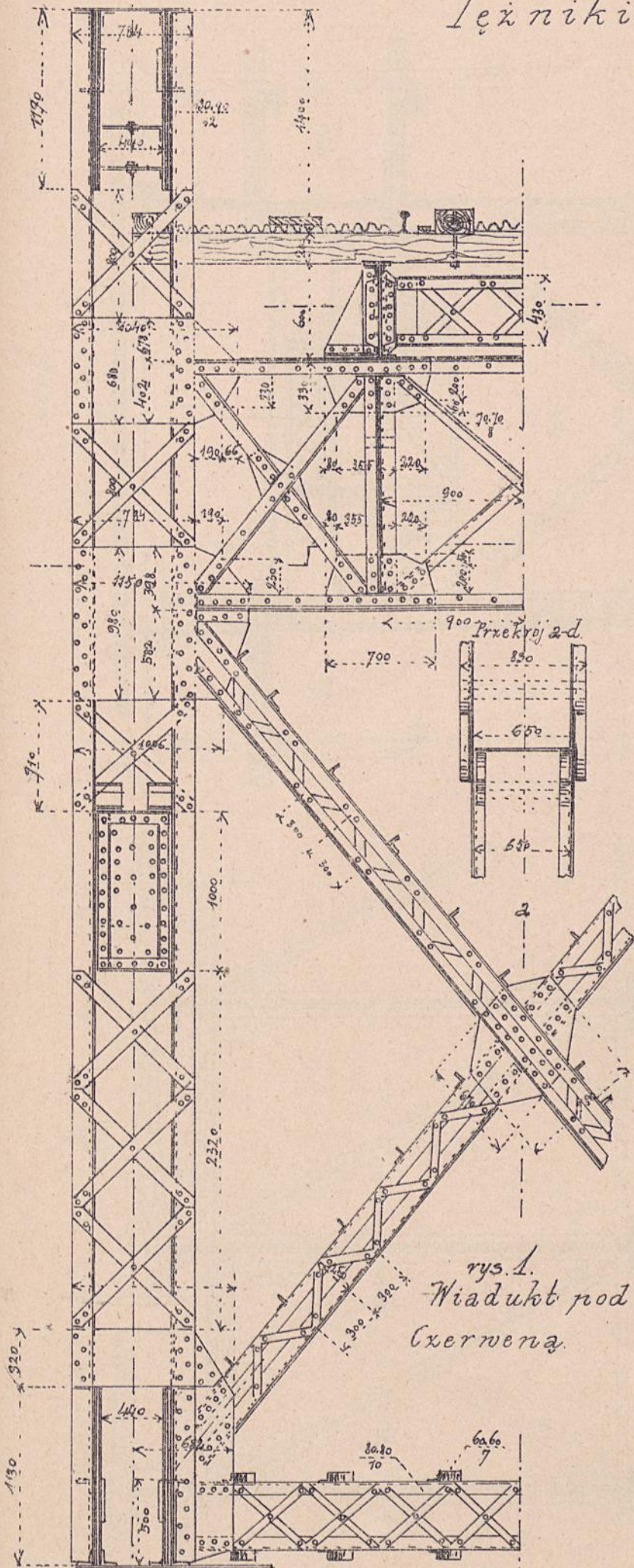
rys. 4.

M. Franciszka Józefa na Dunaju pod Wiedniem.

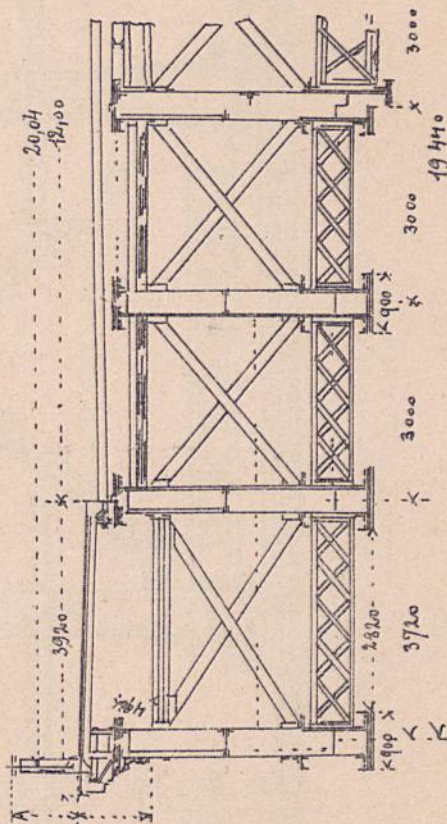
Dr. M. Thullie: Mosty krat. zel.



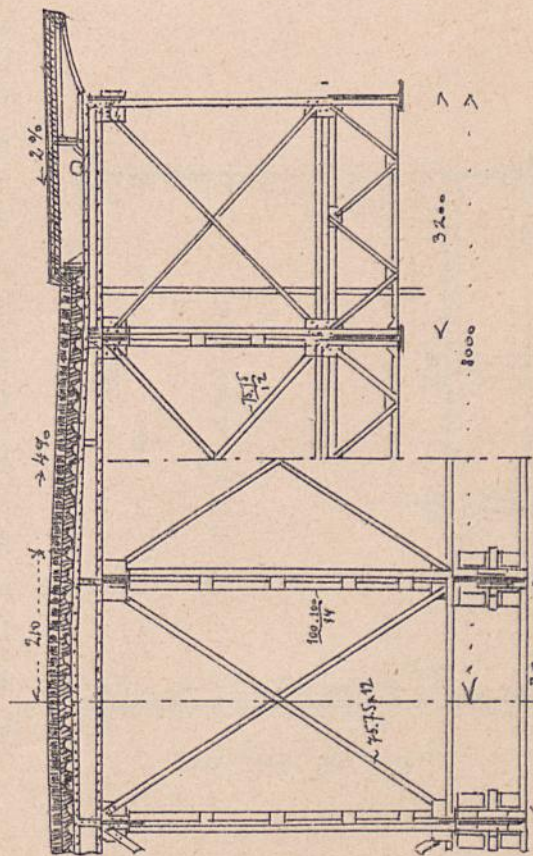




rys. 3.



rys. 2.

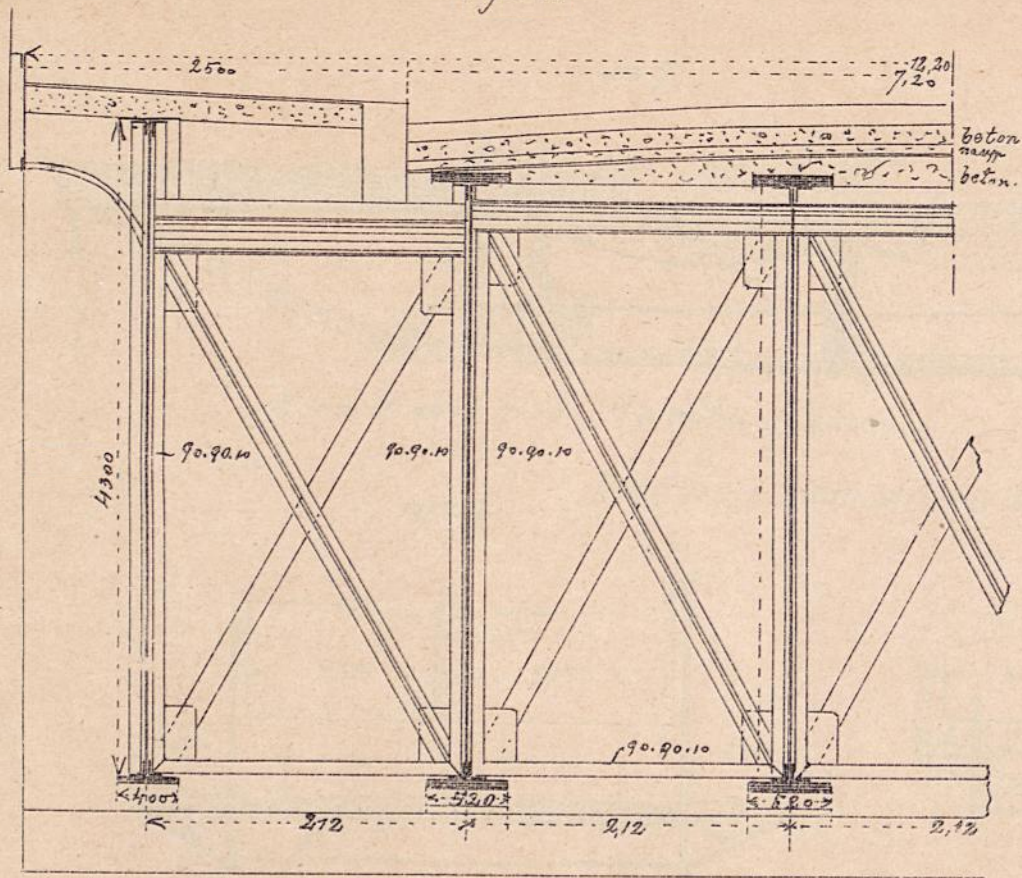


Most tulkowy między Stuttgartem a Cannstadt.

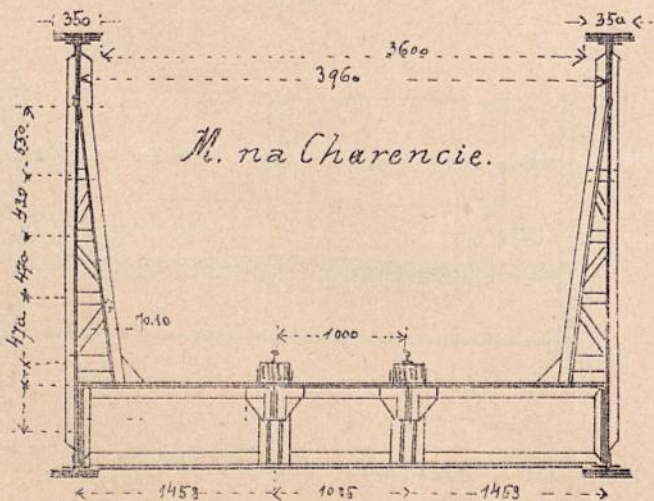
F. W.



rys. 1.



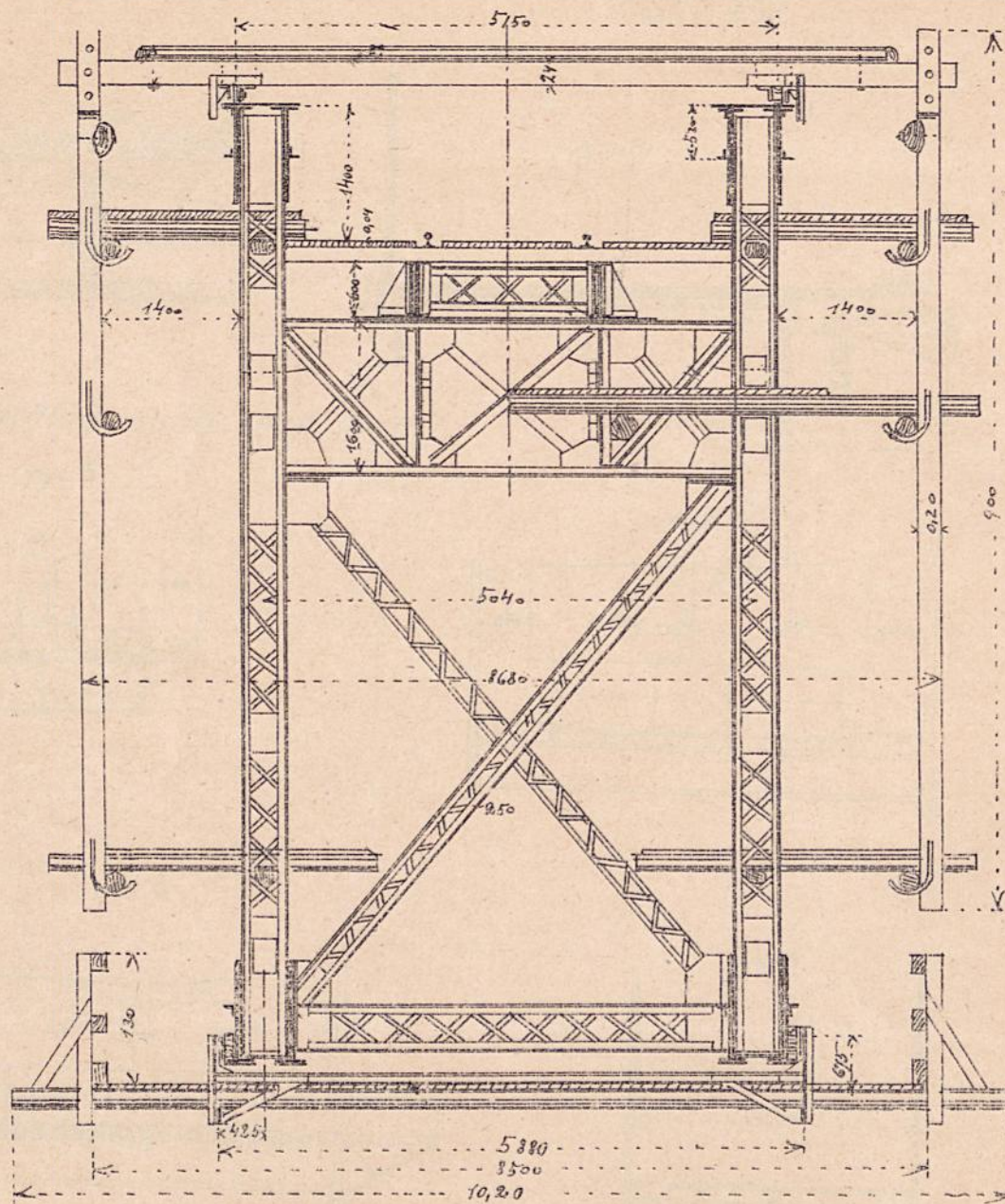
M. kolei wschodniej w Paryżu.



M. na Charenceie.

Dr. M. Thullie. Mosty krat. zel.

rys. 2.



Wiadukt pod Czernową.

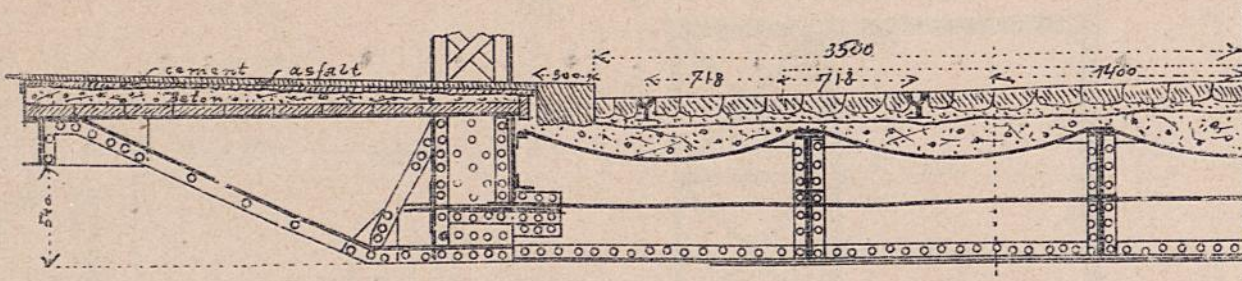
E.W.



Przekrój poprzeczny mostu.

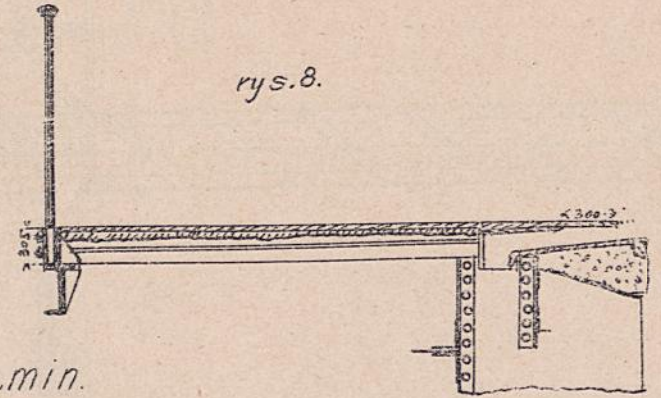
Tabl. 131.

rys. 7.

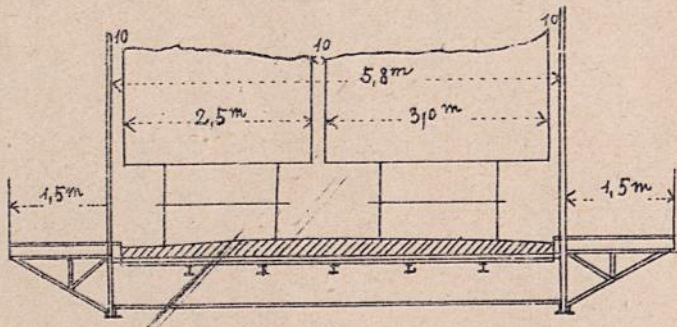


M. na Łabie pod Hamburgiem.

rys. 8.

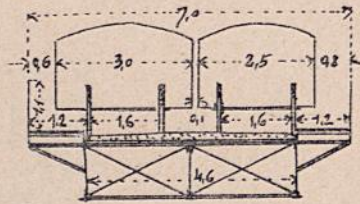


rys. 1. Przekroje poprzeczne według austr. rozp. min.



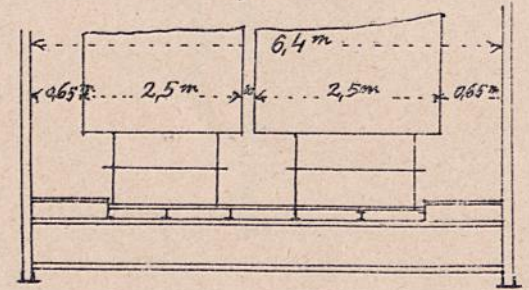
rys. 2.

rys. 3.

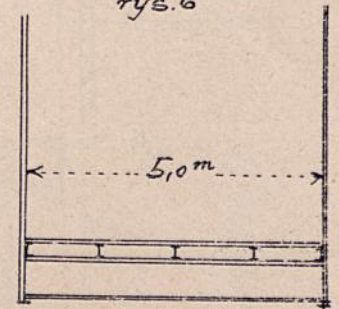


rys. 4.

rys. 5.



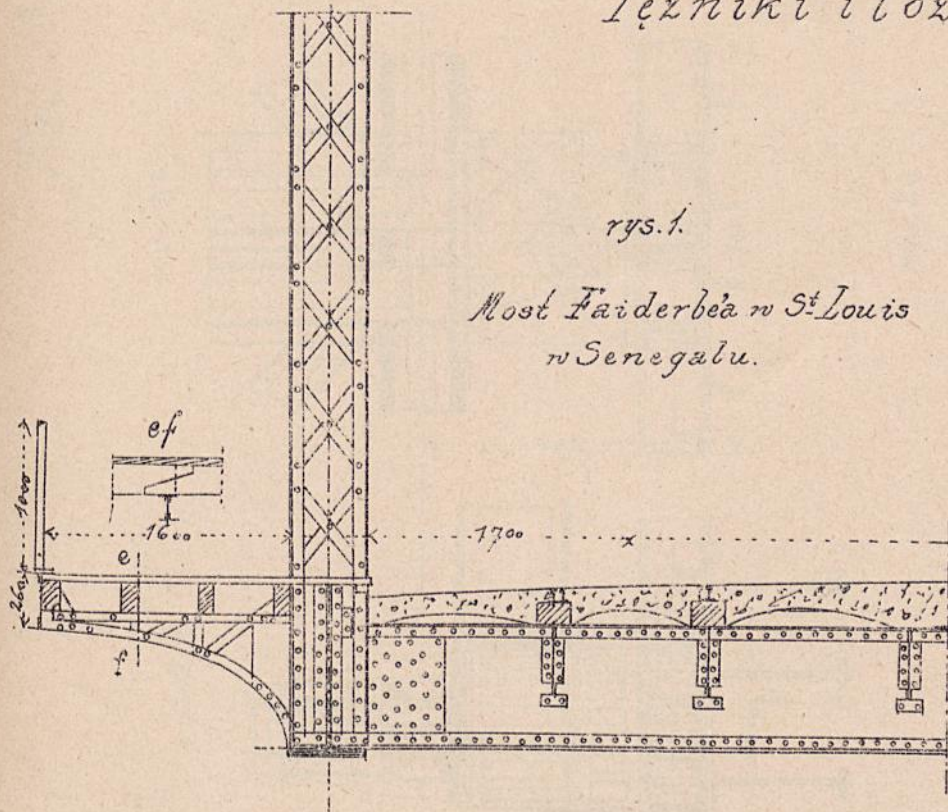
rys. 6.



Dr. M. Thullie: Mosty kratowe zelazne.

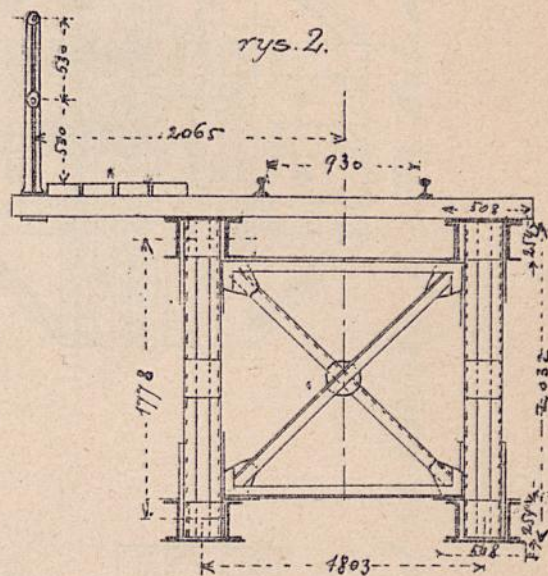
E.W.





rys. 1.

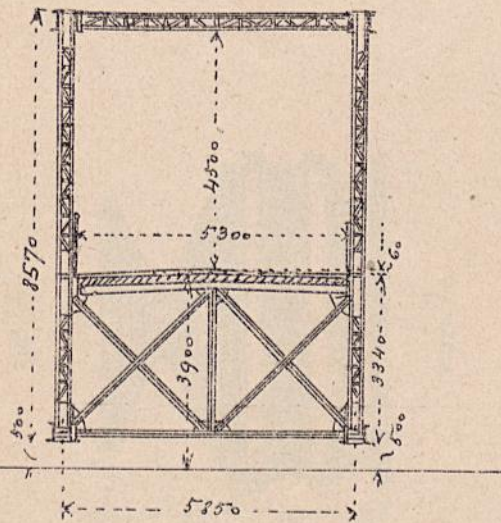
Most Fairderbèa w St. Louis  
w Senegalu.



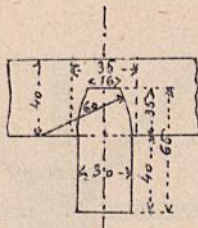
rys. 2.

M. kolei transandyjskiej.

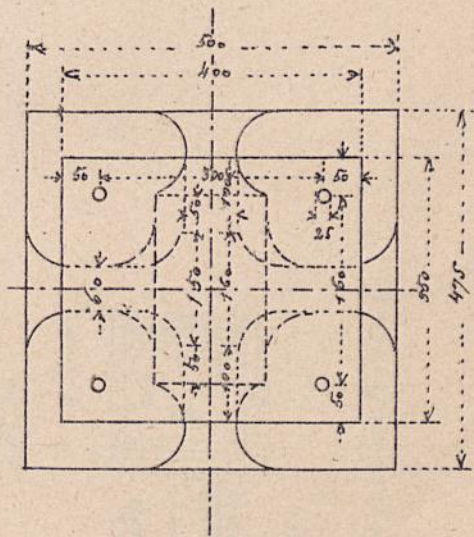
rys. 3.



rys. 4d  
Trypieñ.

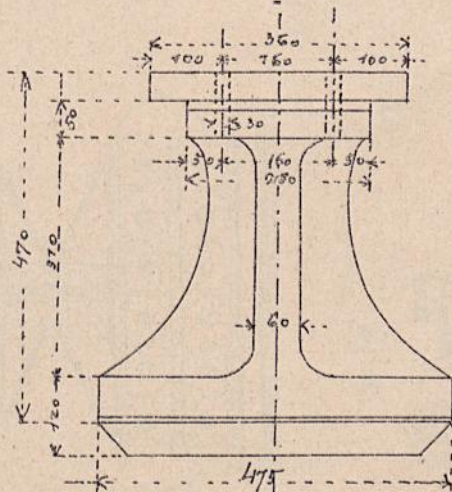


rys. 4a.



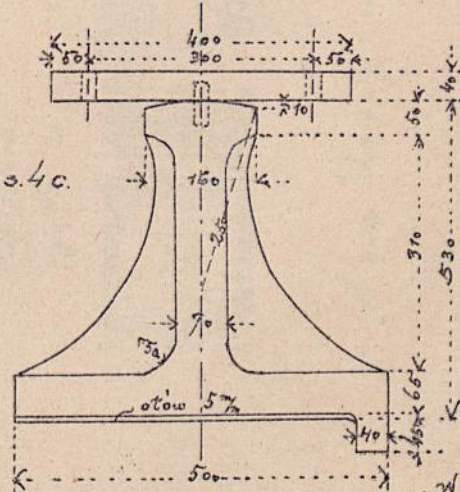
M. na Inie pod Pontlatx.

rys. 4b.



Żozysko mostu  
na Charencie.

rys. 4c.

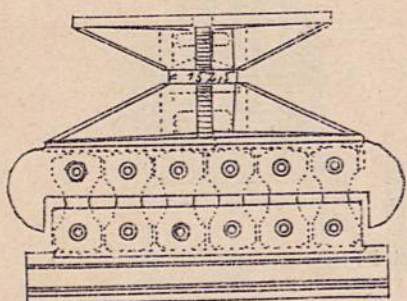






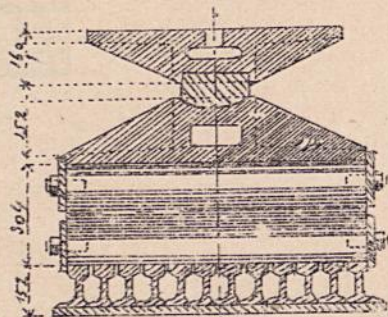
# Łozyska.

rys. 1a.

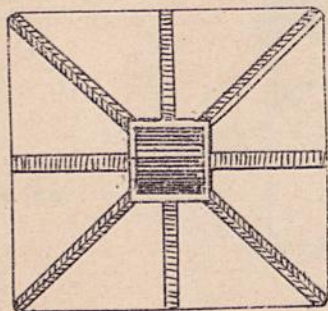


1:28.

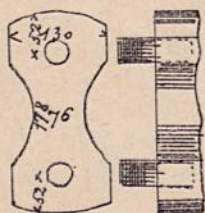
rys. 1b.



rys. 1c.



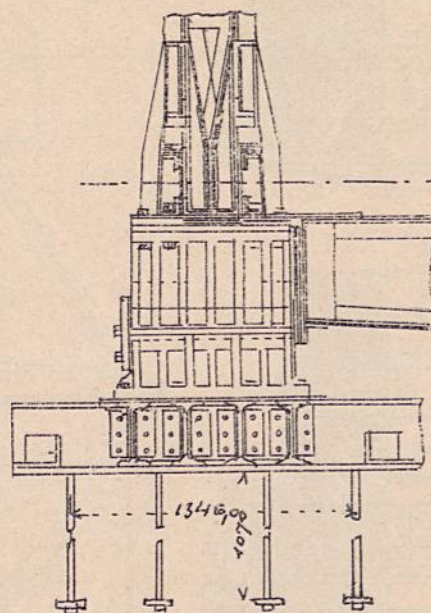
rys. 1d.



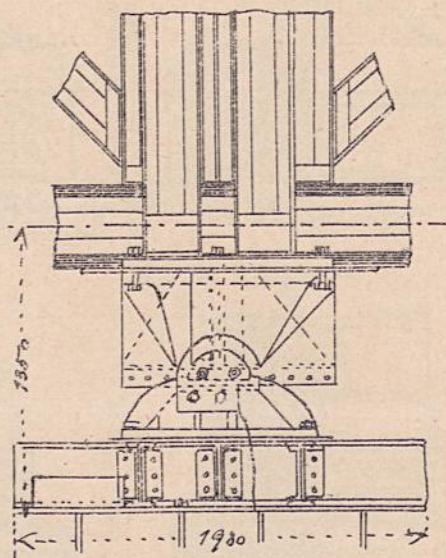
rys. 1f.



rys. 2a.



rys. 2b.

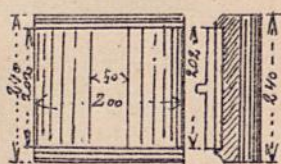


rys. 2c.

## Łozysko:

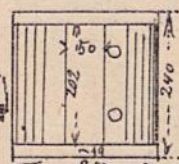
ruchome.

rys. 3a, 3b.

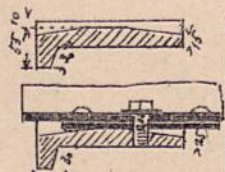


state.

rys. 4a

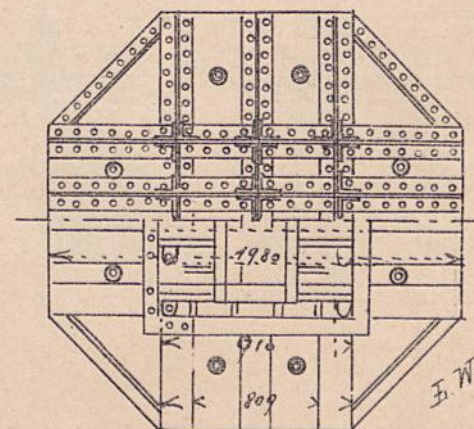


rys. 4a



rys. 4c.

rys. 2. d.



J. W.

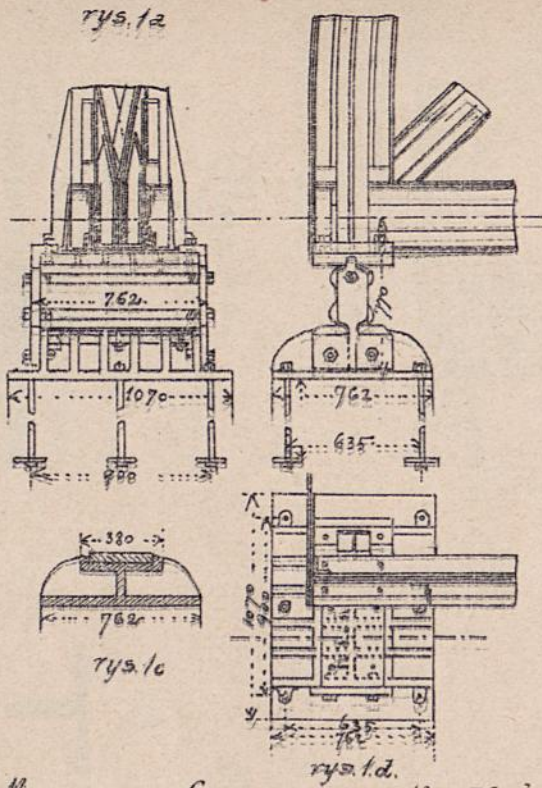
M. na Okrzy w Braunschweig.

Most na Conway w półn. Wales.

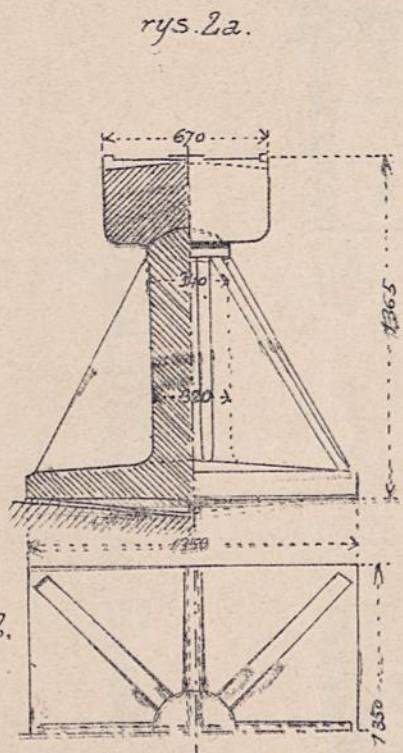
Dr. M. Thullie: Mosty krat. żel.



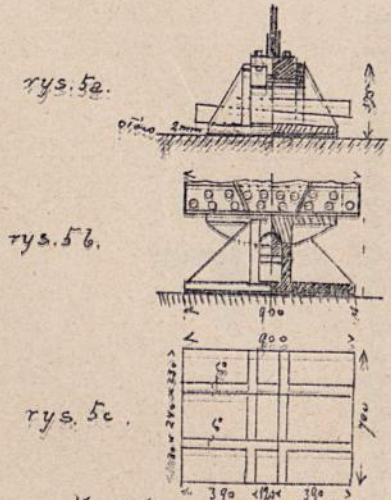
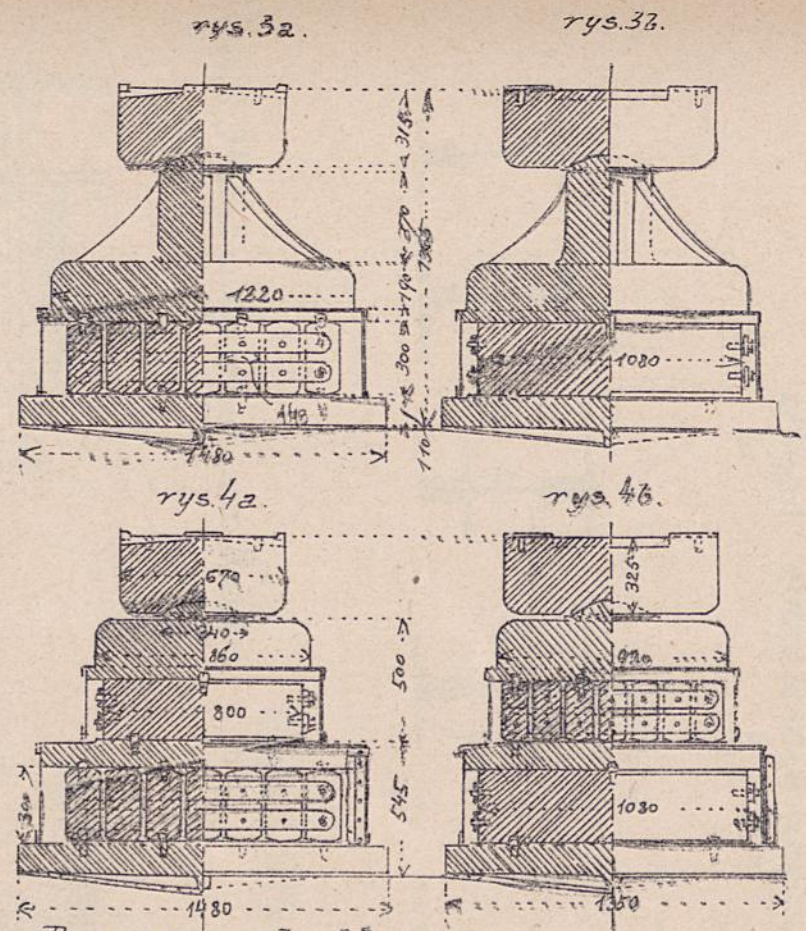
# Łozyska.



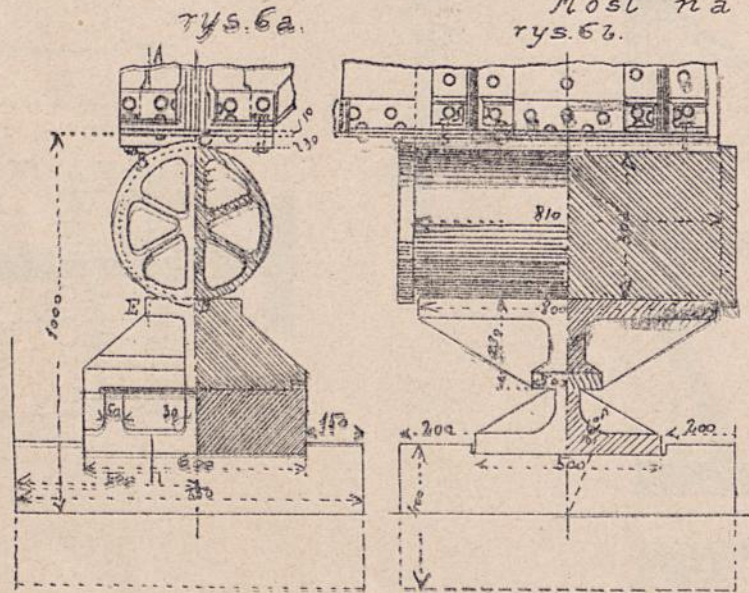
M. narzece Conway w półn. Wales.



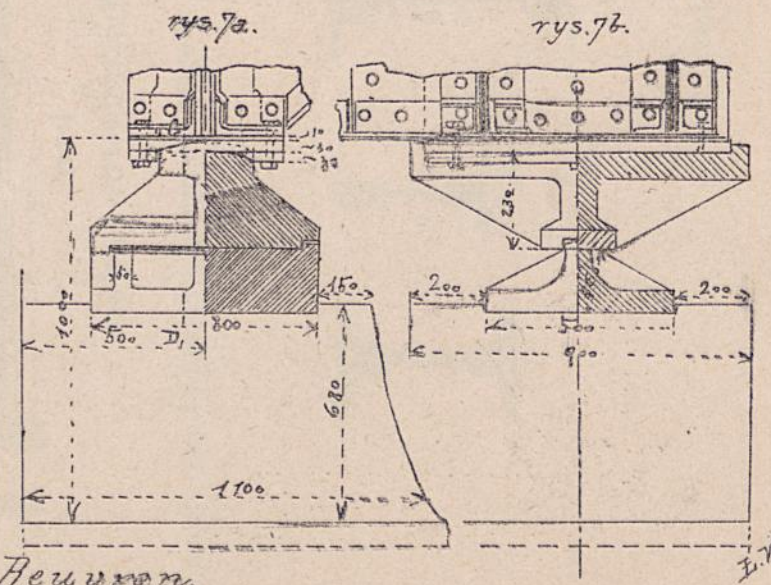
Most na Renie pod Wormacya.



Most Karola koto Stuttgartu.



Most narzece Beuron.



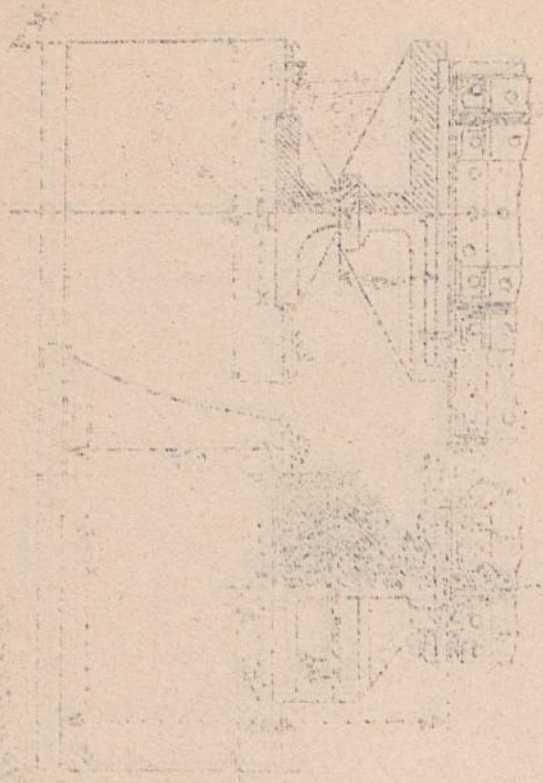


Fig. 1

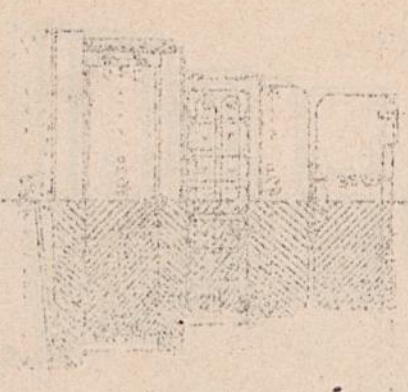


Fig. 2

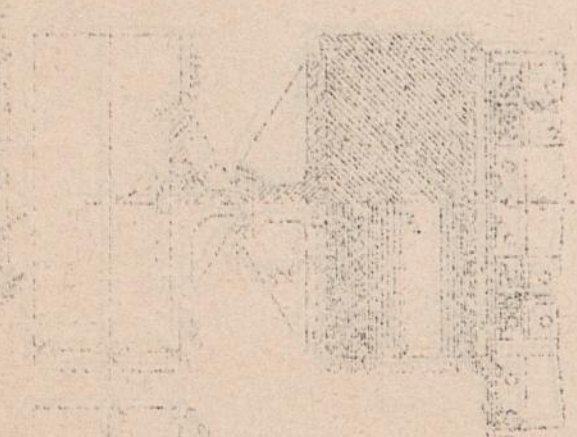
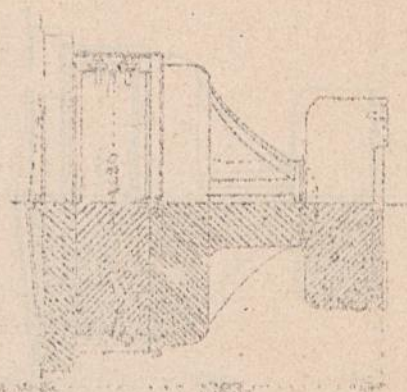


Fig. 3

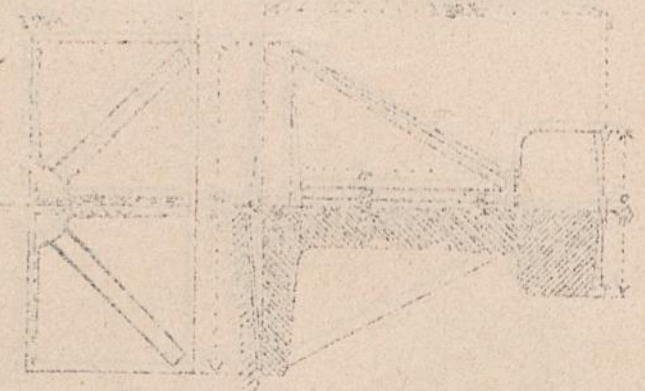


Fig. 4

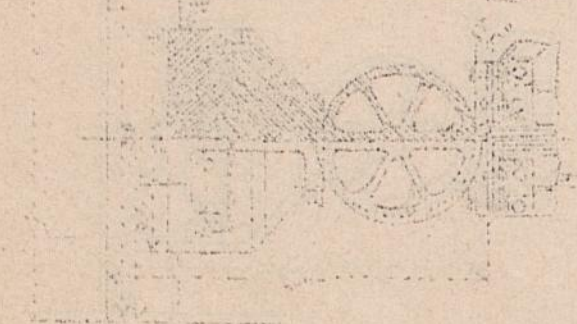


Fig. 5



Fig. 6

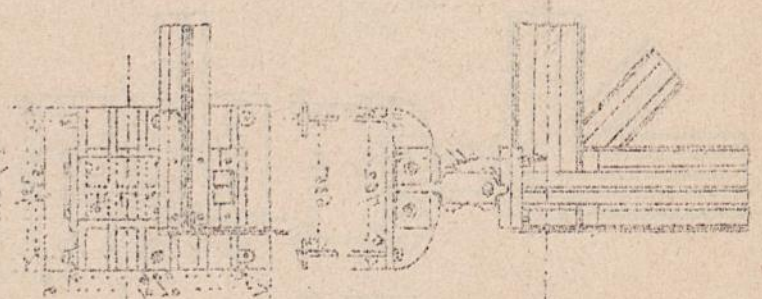


Fig. 7



Fig. 8

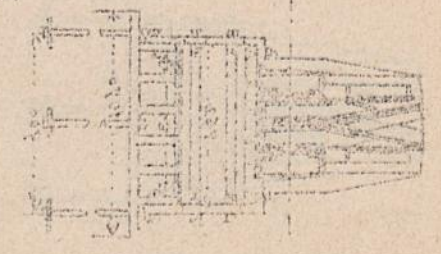


Fig. 9

Handwritten text at the bottom left of the page.

Handwritten text at the bottom left of the page.

Fig. 10



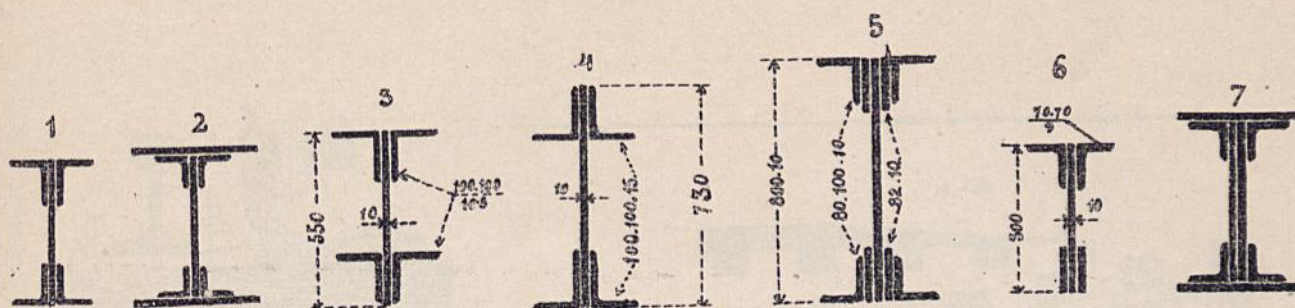
Fig. 11



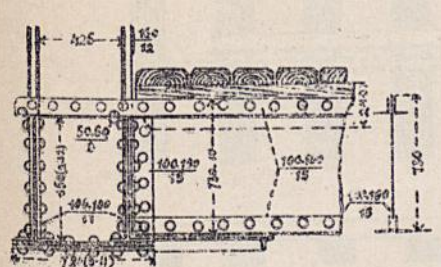
Fig. 12

Vertical handwritten text on the right side of the page.

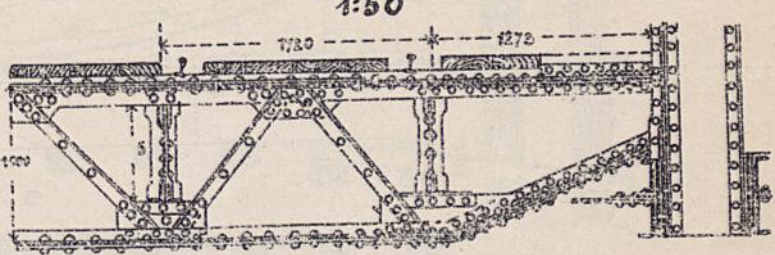
Rys. 1. Przekroje poprzecznic.



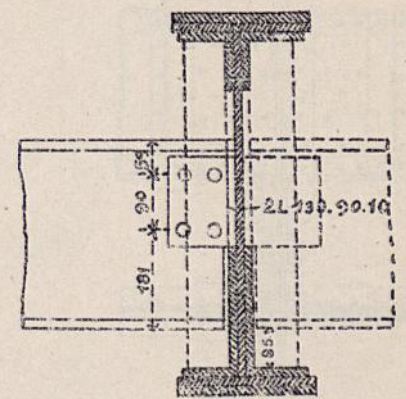
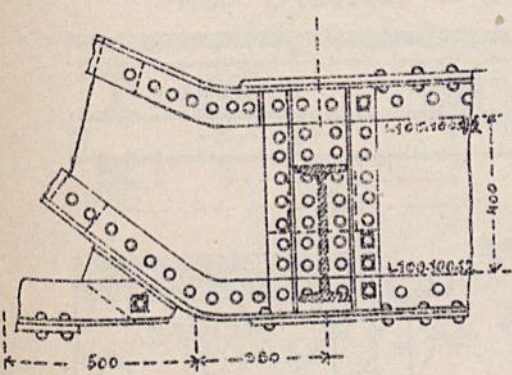
Rys. 2. Most w Djecynie na Łabie.



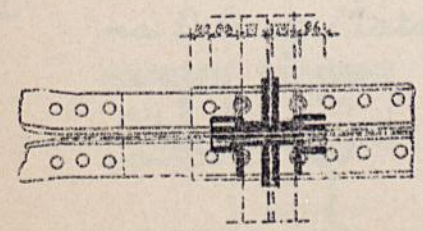
Rys. 3. Most kolei wirttemberskiej na Dunaju pod Sigmaringen 1:50



Rys. 4. Most na Saarze w Saarbrücken.



Rys. 4 a.



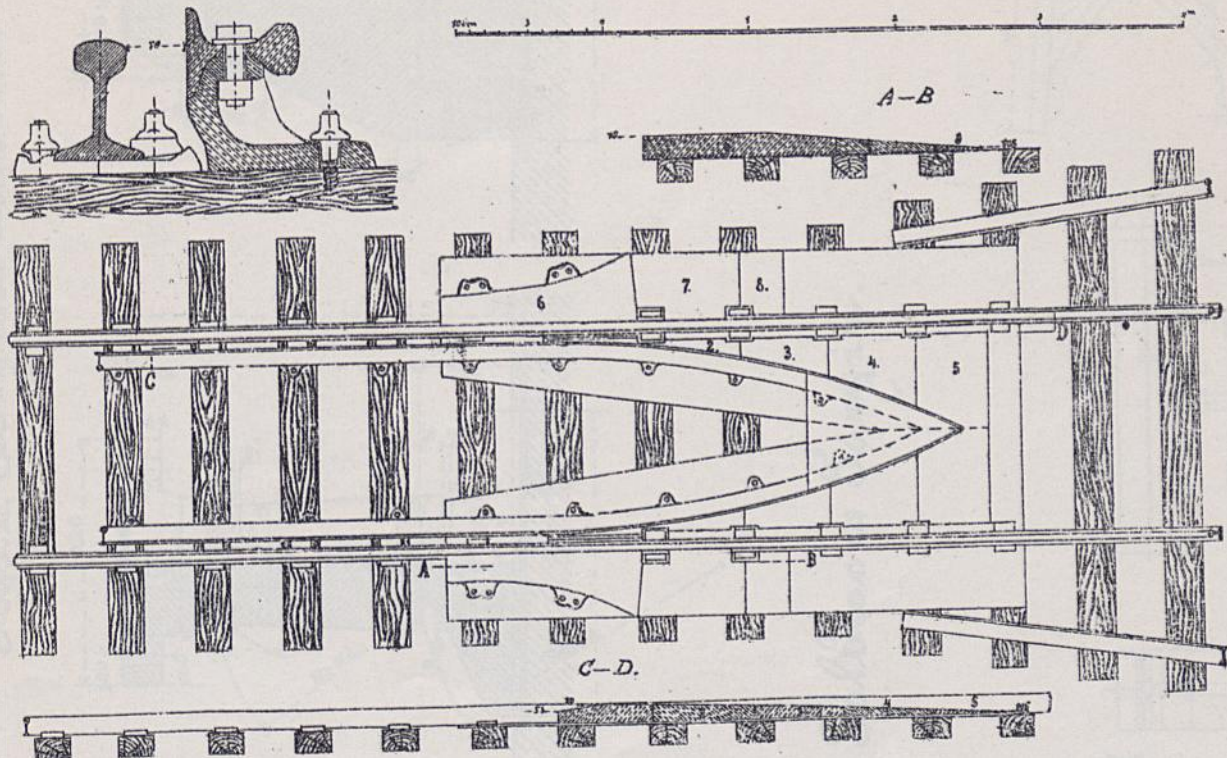
Rys. 5. Przekroje pasów poprzecznic kratowych.



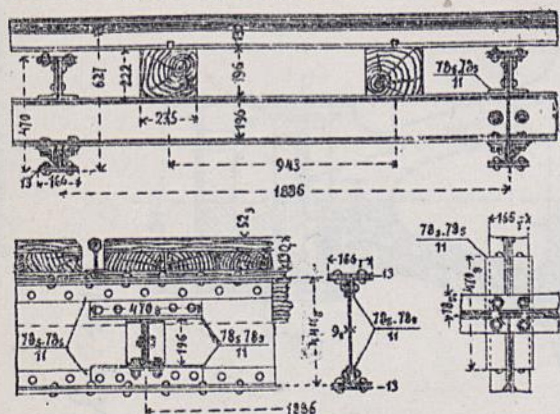
Rys. 7. 2)



Rys. 1. Urządzenie przeciw wykołajeniu się inż. Posta.

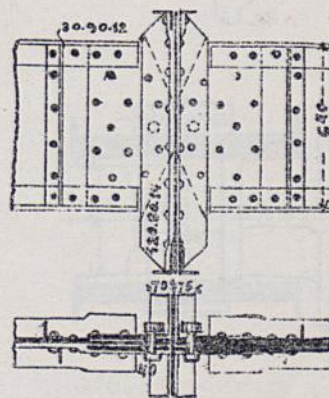


Rys. 2. Przytwierdzenie podkurnic mostu na Renie w Koblencji



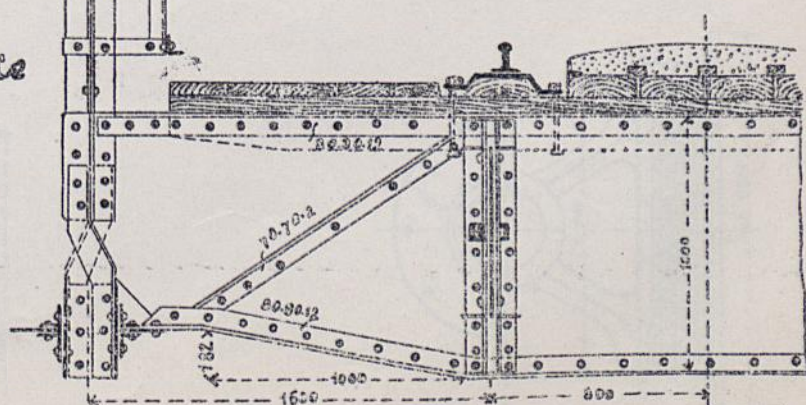
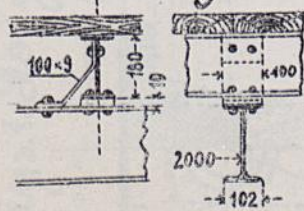
Rys. 3. Most na Renie pod Wertheim

1:30



Rys. 3 a.

Rys. 4. Ułożenie podkurnic na moście na Ochryw Łatcu.



Rys. 4. d.

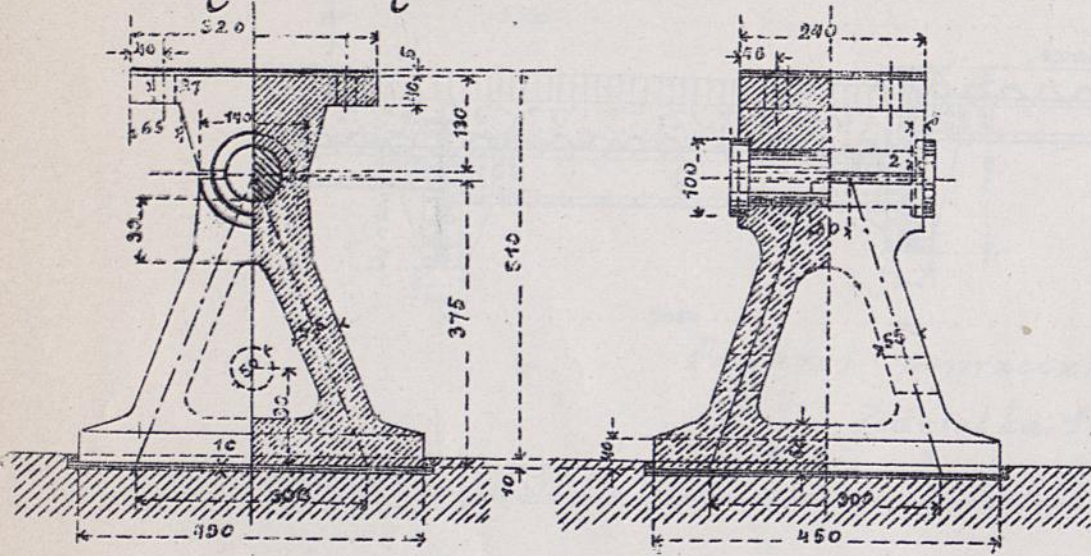




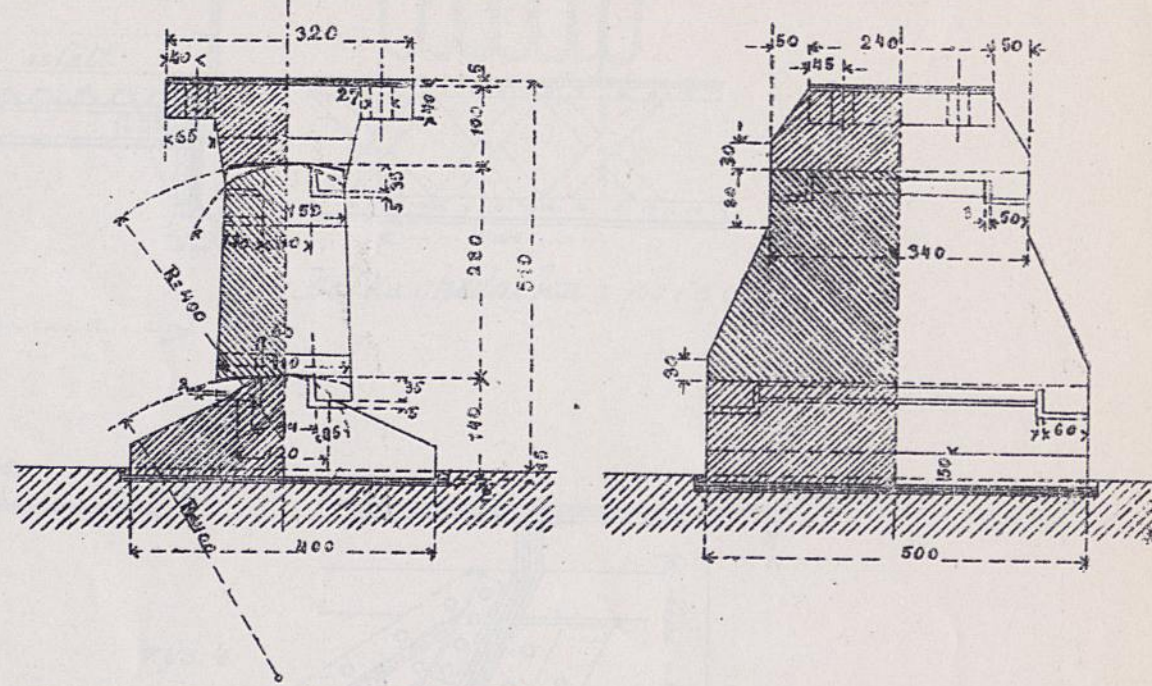
Łozyska.

Most na Drawie pod Świętosławiem.

Rys. 1. Łozysko stałe. 1:10

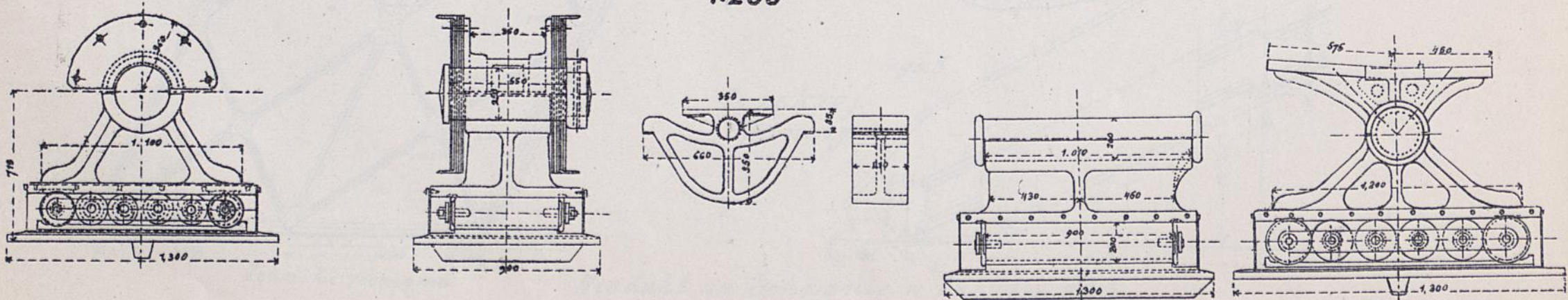


Rys. 2. Łozysko ruchome. 1:10



Rys. 3. Łozyska mostu na ulicy Tolbiac w Paryżu.

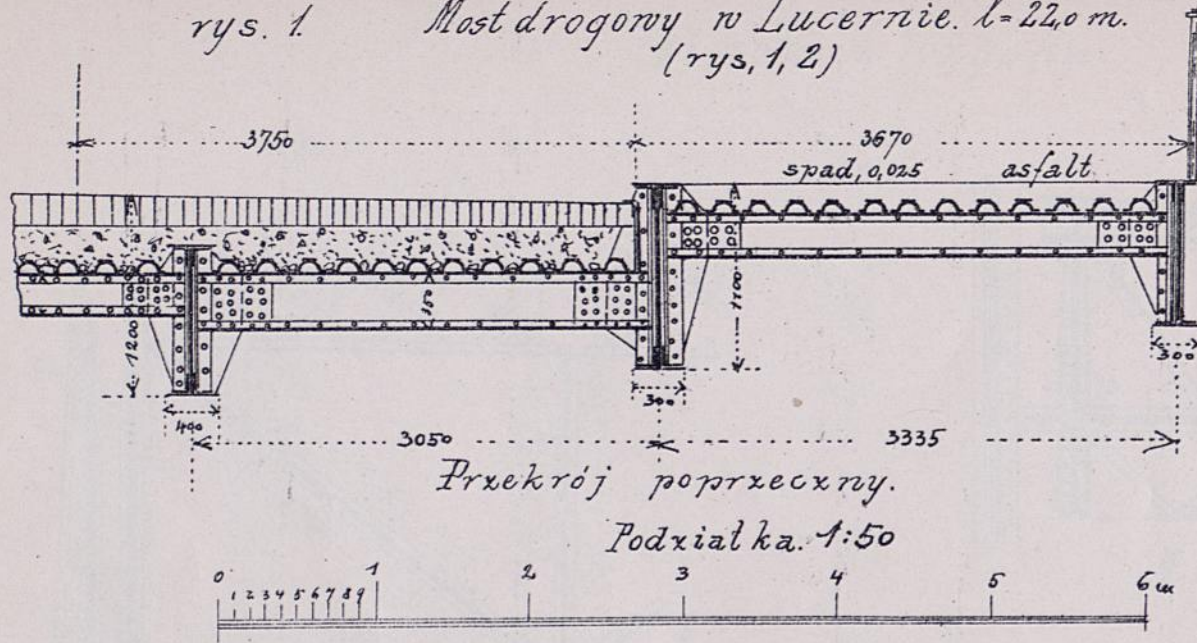
1:200



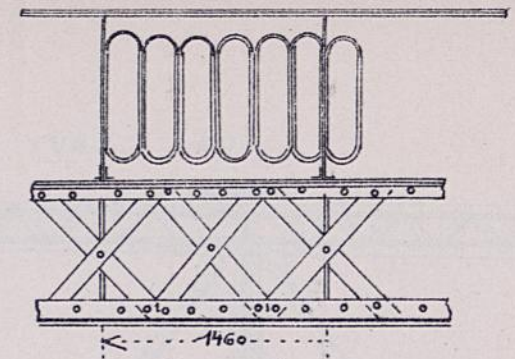


# Ustrój poprzecznic i techniki kónw.

rys. 1 Most drogowy w Lucernie.  $l=22,0$  m.  
(rys. 1, 2)

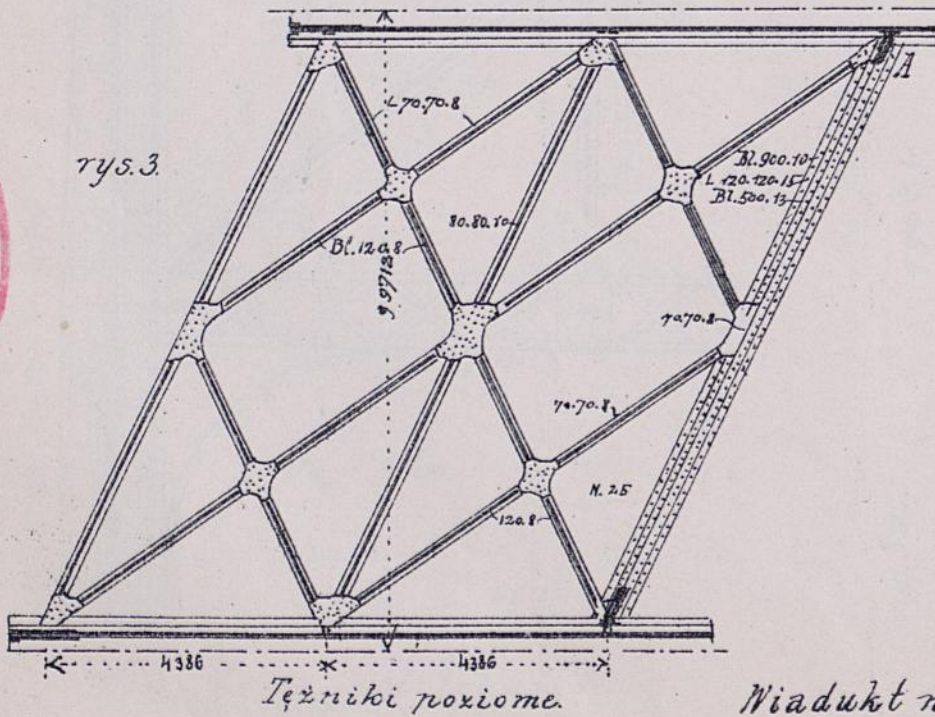


rys. 2.



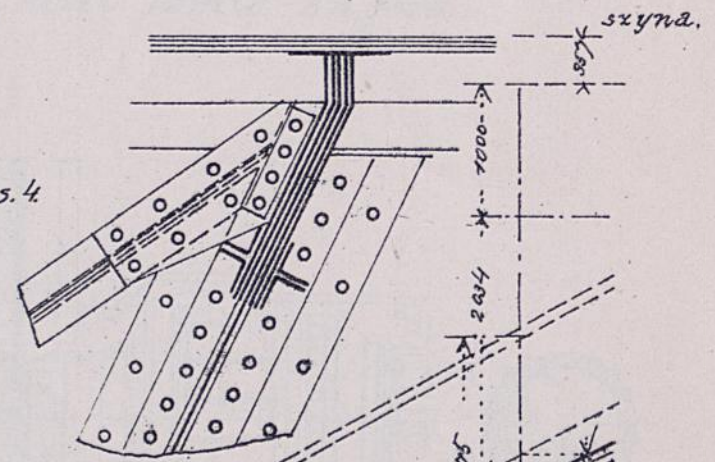
Belka chodnika i poręcze.

rys. 3.



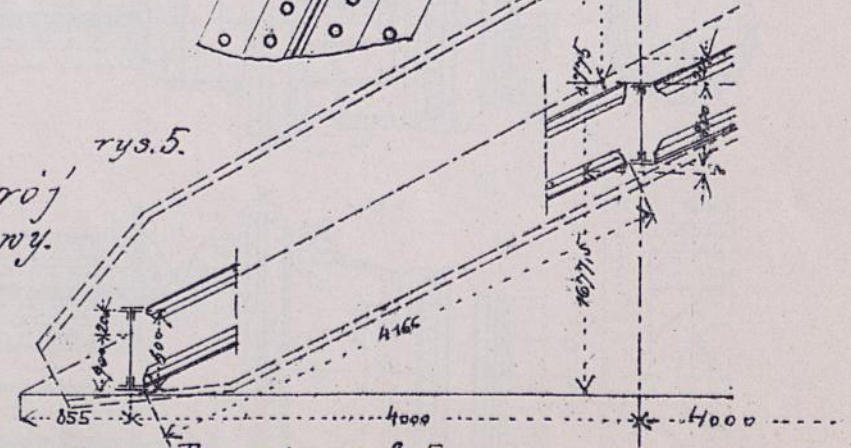
rys. 4.

Szczegół A.



rys. 5.

Przekrój pionowy.



Wiadukt na Sekwanie w Paryżu. r. 3-5.

E.W.



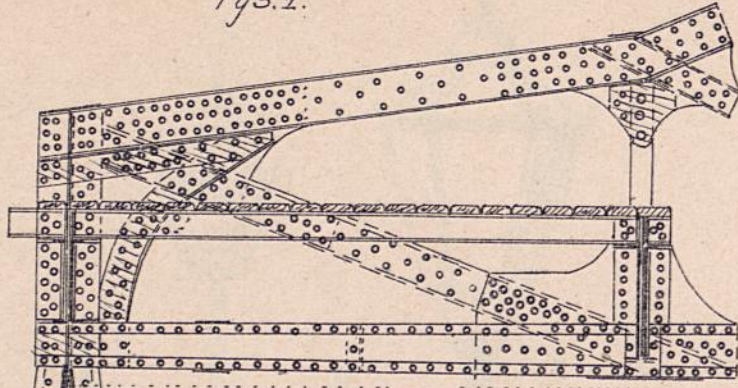
Dr. M. Thullie: Mosty kratowe i et.



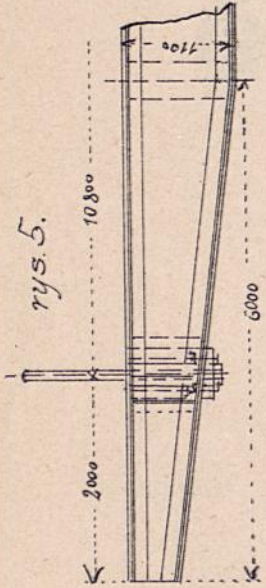




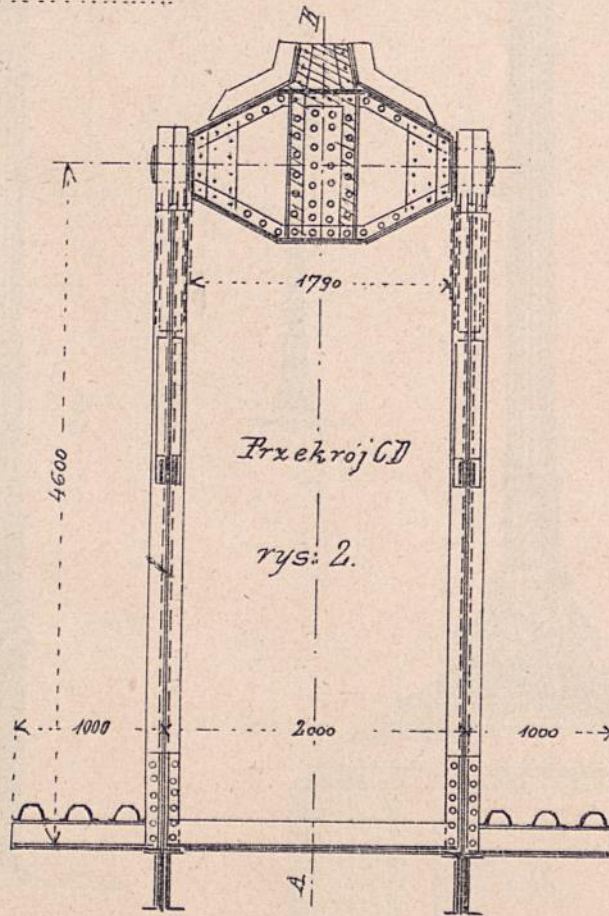
rys. 1.



Przekrój A-B.



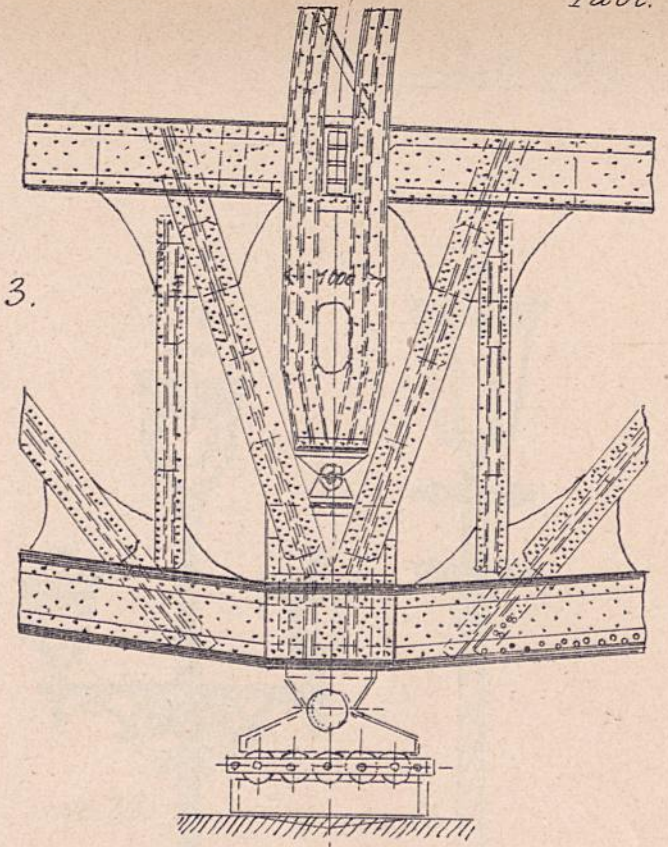
rys. 5.



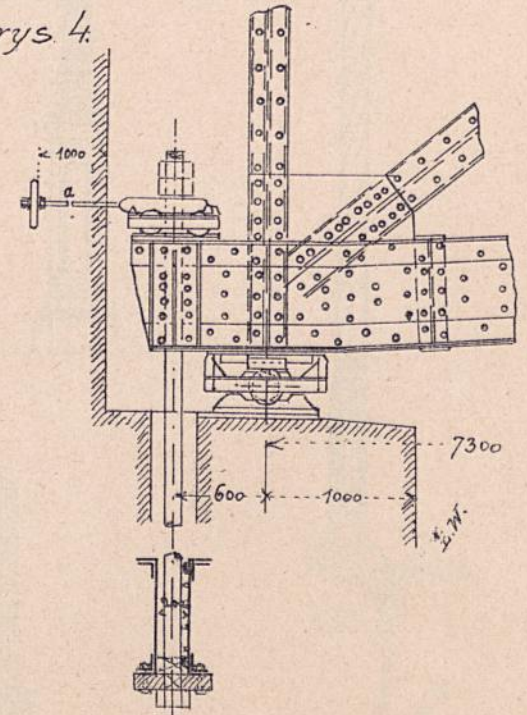
Przekrój CD

rys. 2.

rys. 3.

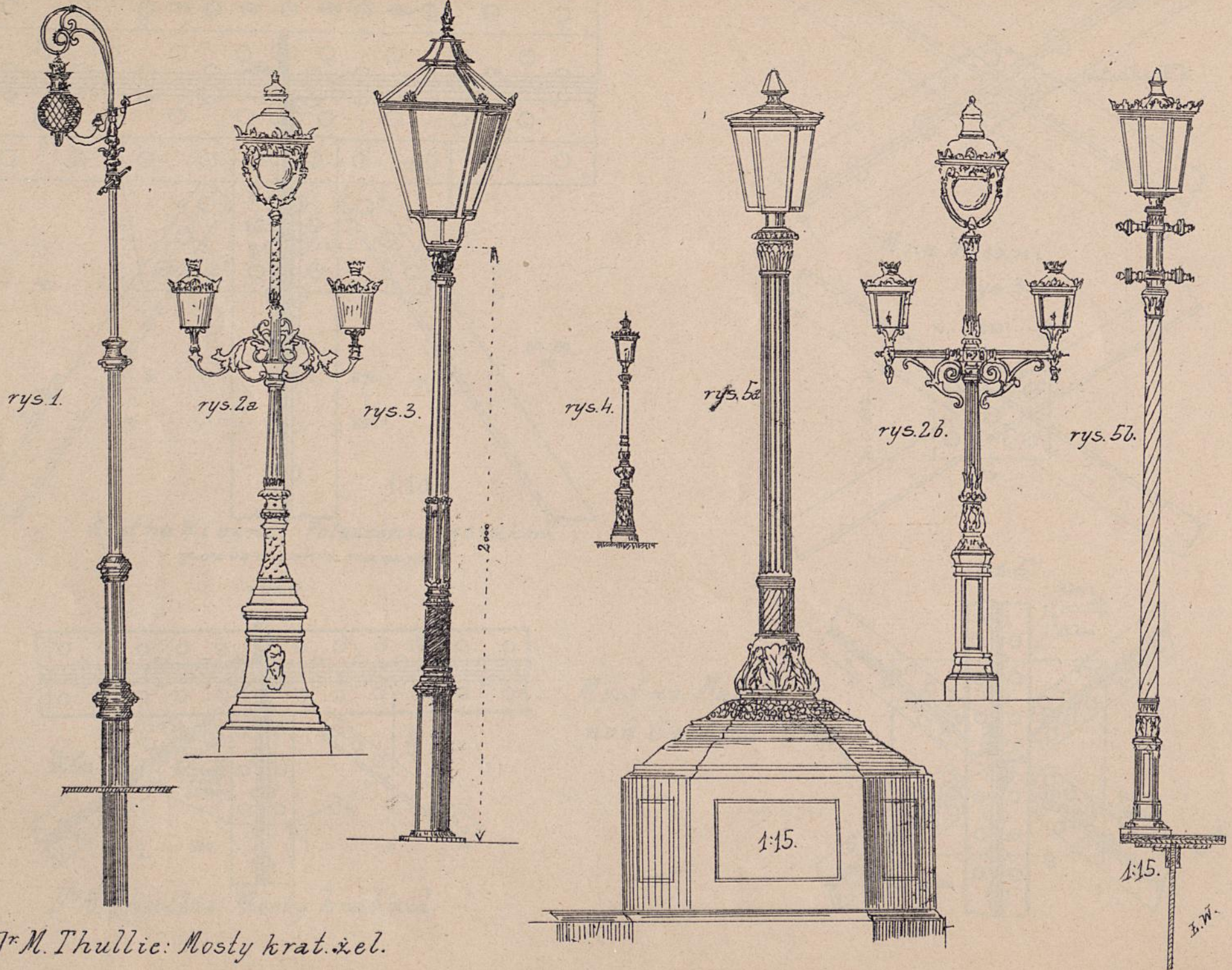


rys. 4.





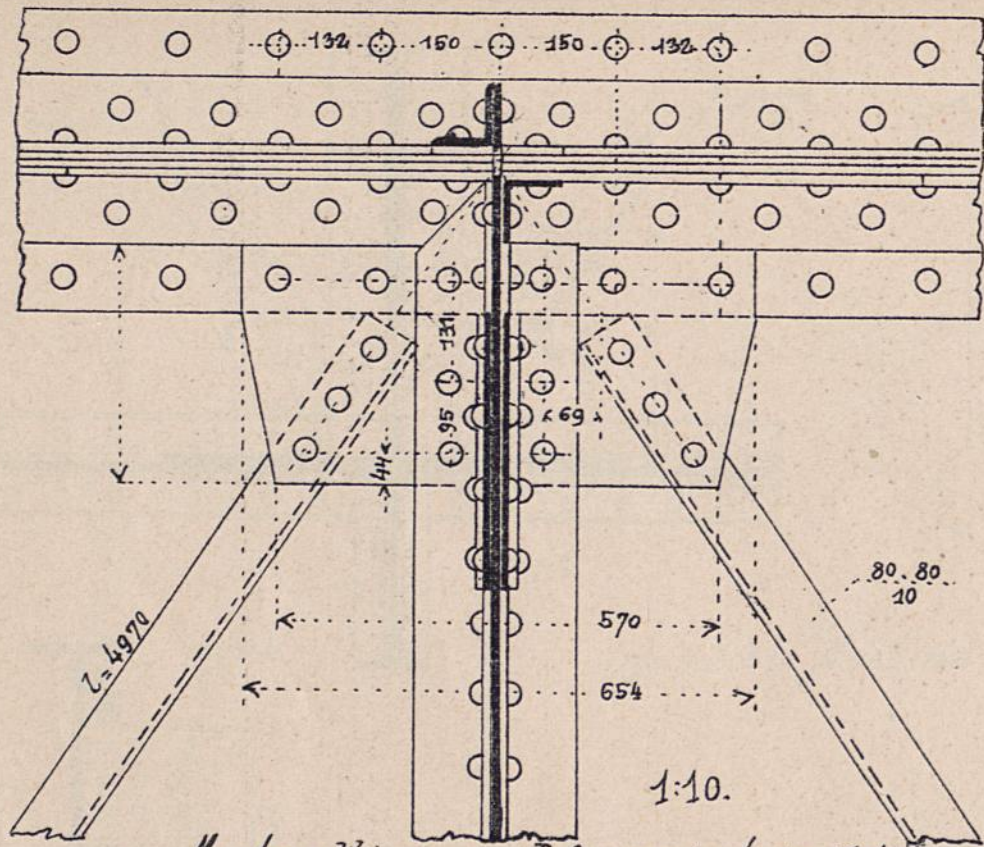






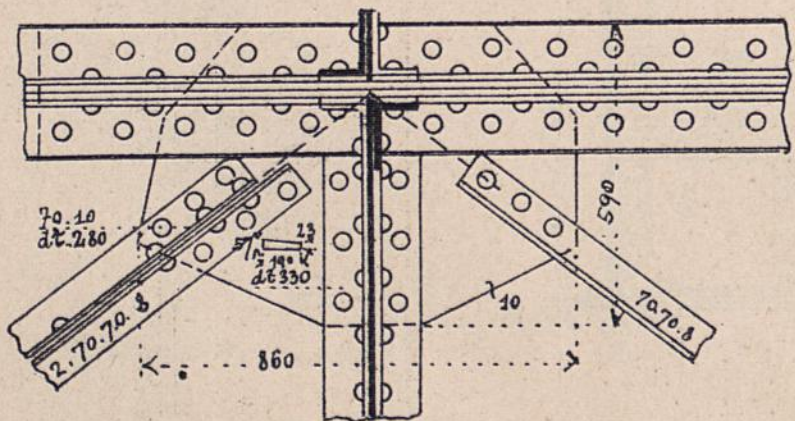
# Techniki.

rys. 1.



Most na Wiszni. Połączenie techników poziomych z pasem.

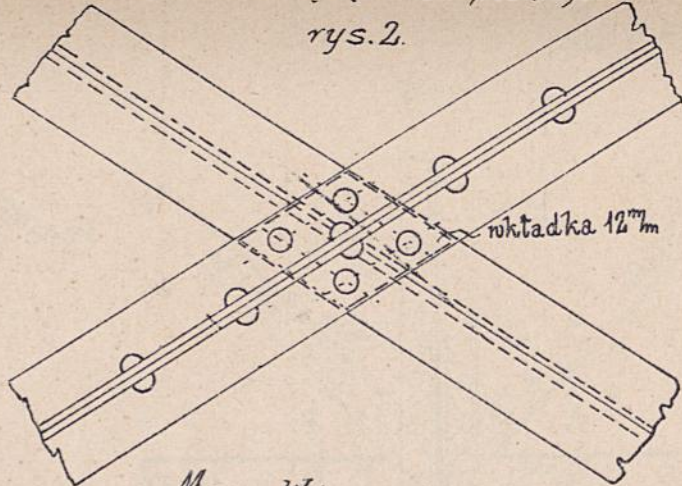
rys. 4.



Dr. M. Thullie: Mosty krat. zel.

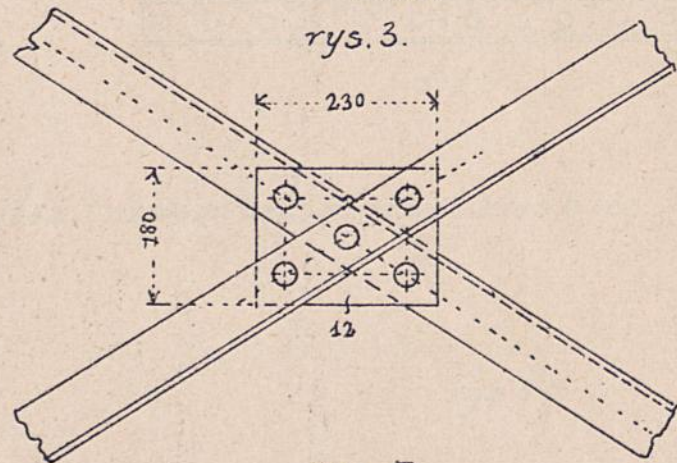
Skrzyżowanie się techników poziomych.

rys. 2.

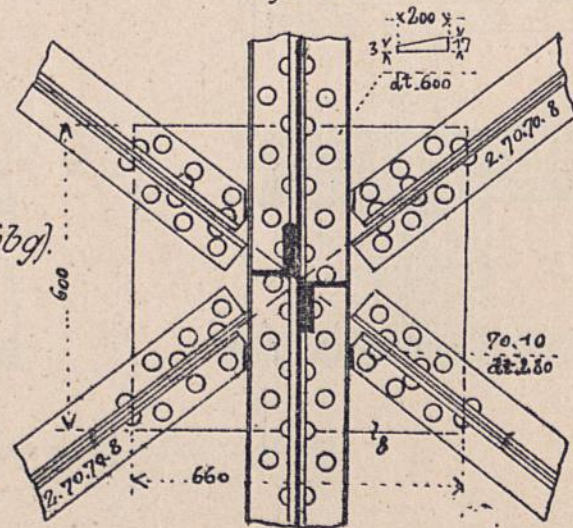


M. na Wiszni.

rys. 3.



rys. 5.

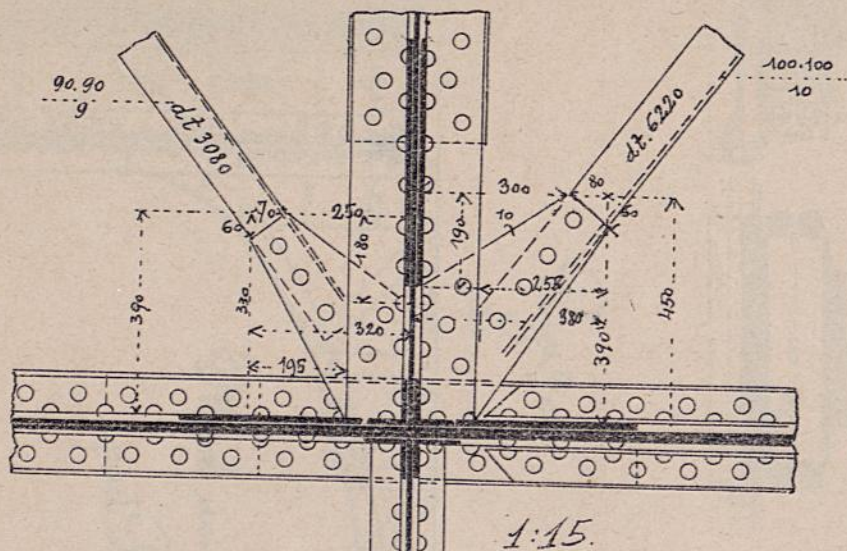


Most na Malcie pod Gmünd. (Sbg).

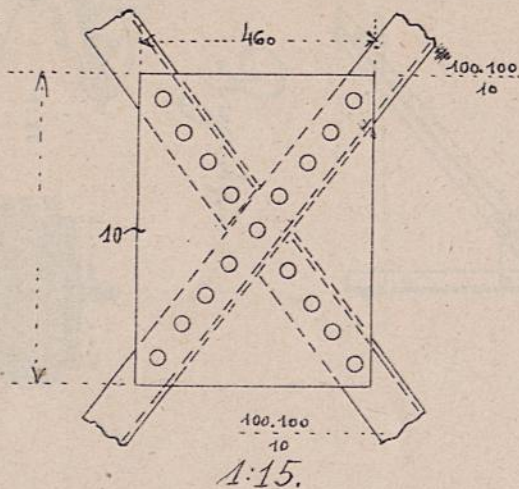
J. W.



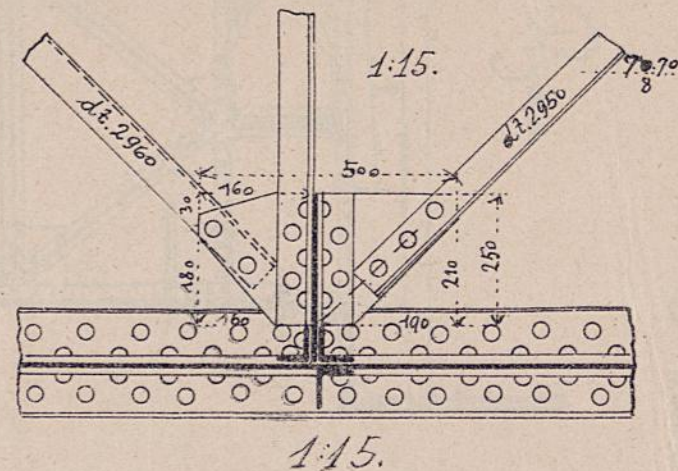
rys. 1.



rys. 2.

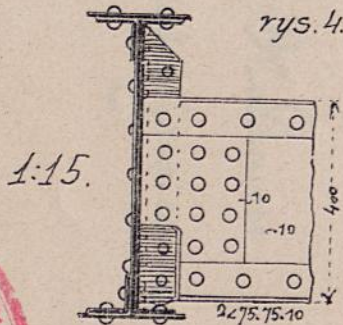


rys. 3.

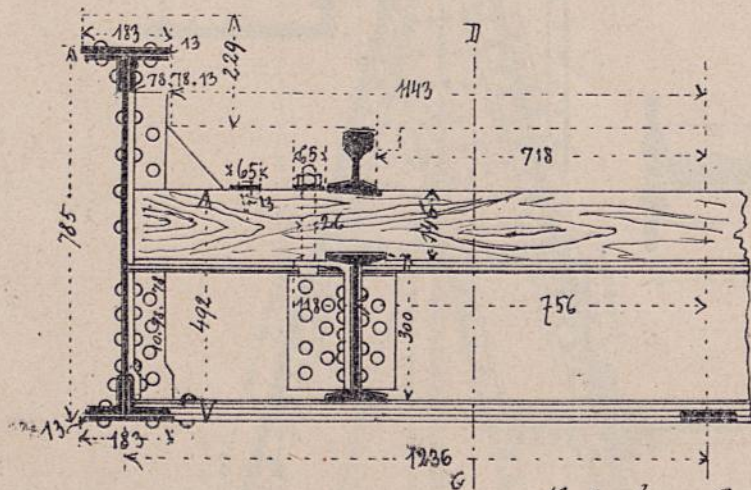


(rys. 1, 2, 3) Most na Wottawie kolei transw. czesko-morawskiej.

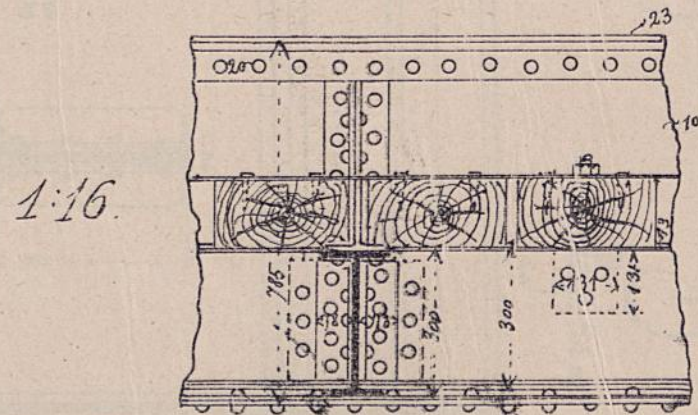
rys. 4.



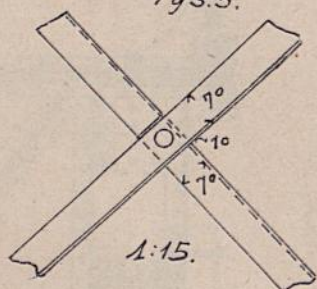
rys. 6a.



rys. 6b.



rys. 5.



Most na Wottawie.

M. kolei Scharxfeld-Nüxey.



E. W.

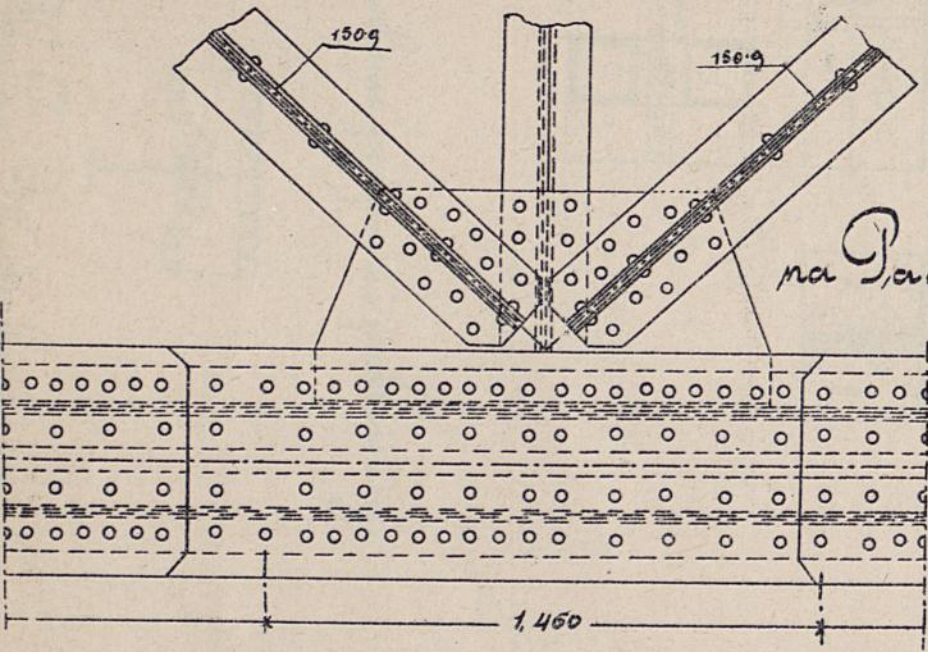








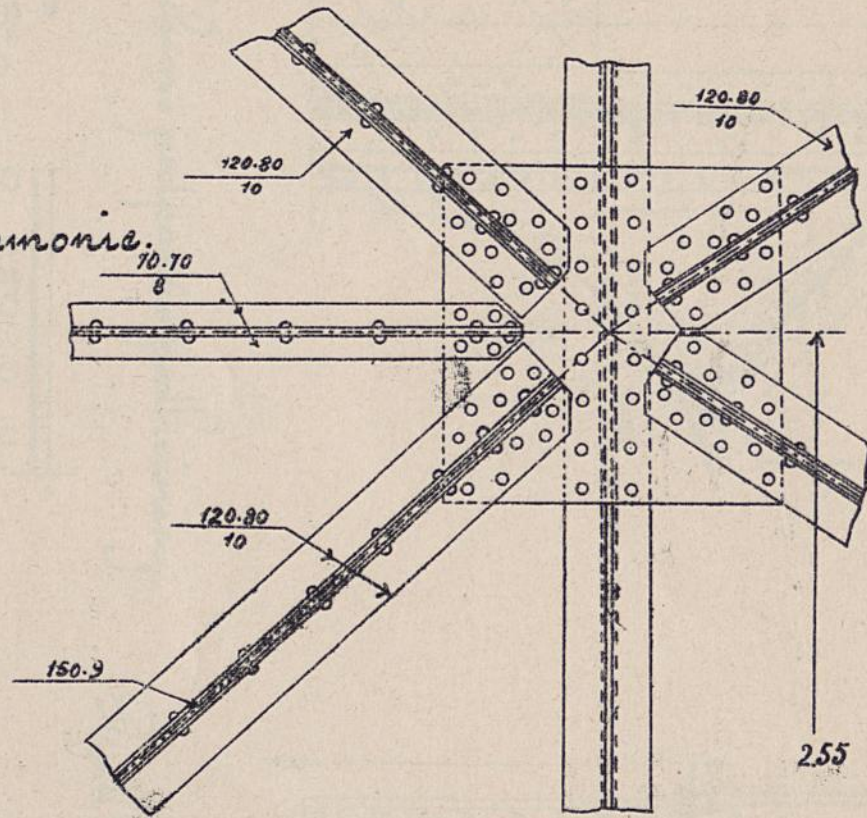
Rys. 1. Połączenie żelazników poz. z pasem.



1:20.

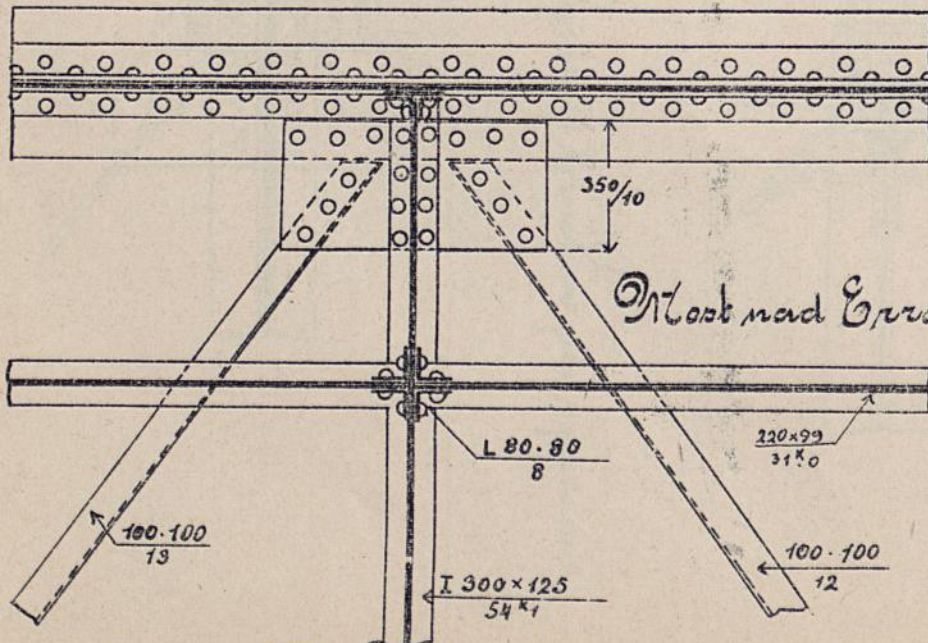
Most  
na Podnie w Ceremonie.

Rys. 2. Skrzyżowanie się żelazników.



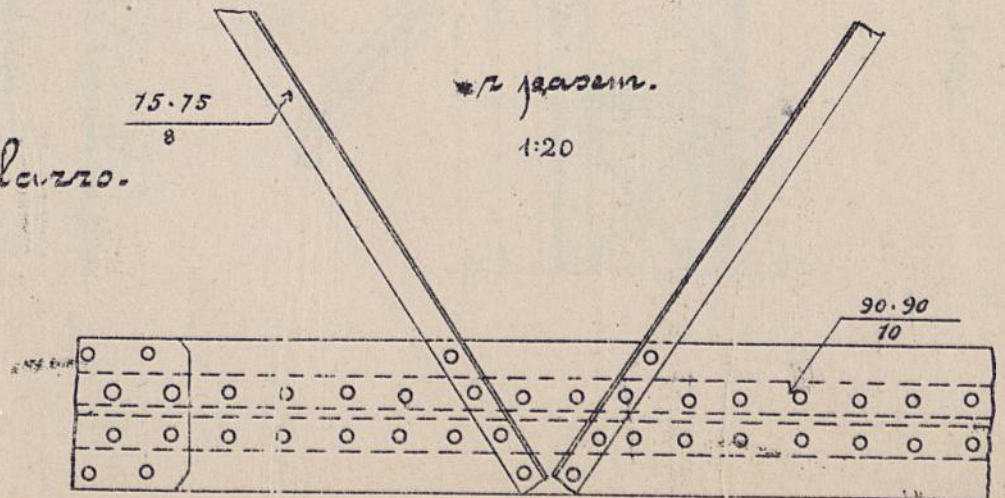
Rys. 3. Połączenie żelazników poz. z pasem.

1:20



Most nad Ebro w Melazzo.

Rys. 4. Połączenie żelazników poz.



z pasem.

1:20

Dr. M. Thullie. Mosty kratowe

Rys. 72



Рис. 1. Стяжение гонца.

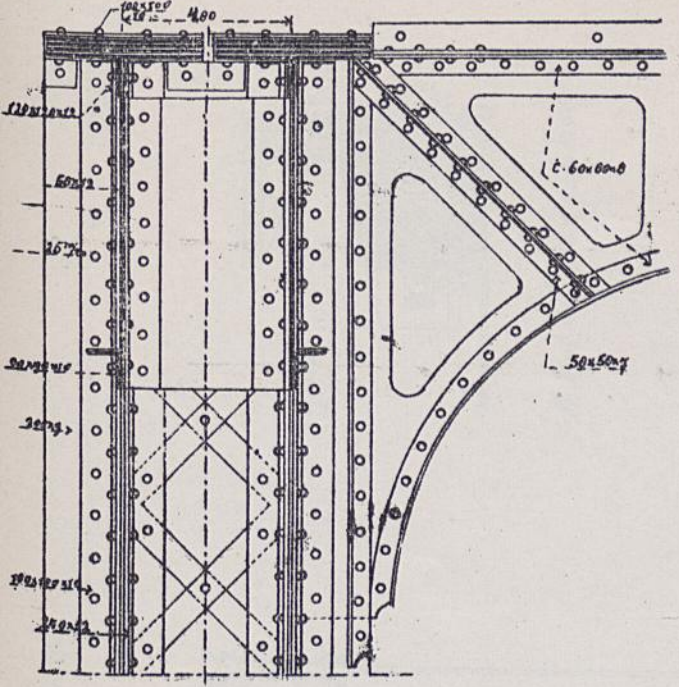


Рис. 2. Треник поперечный.

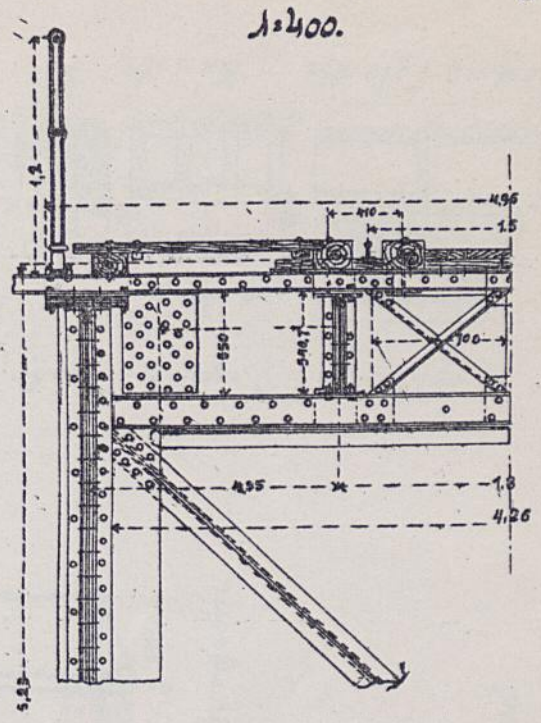


Рис. 3. Прухоное подпартие подшивниции.

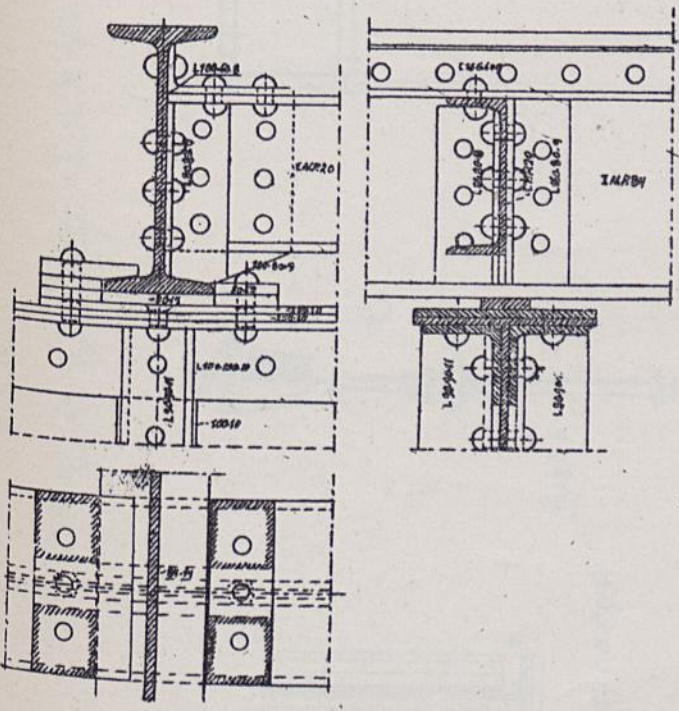


Рис. 4. Подпартие кривичон пор.

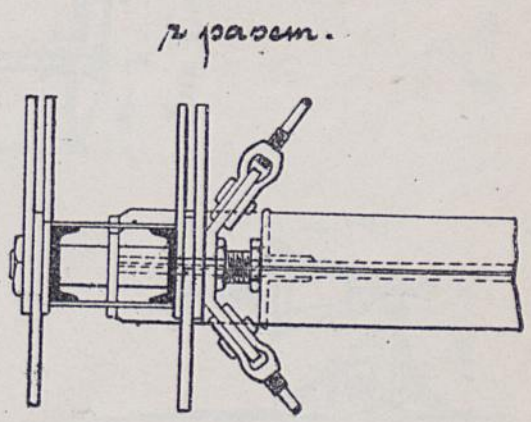


Рис. 6. Подпартие кривичон пор. 7. расст.

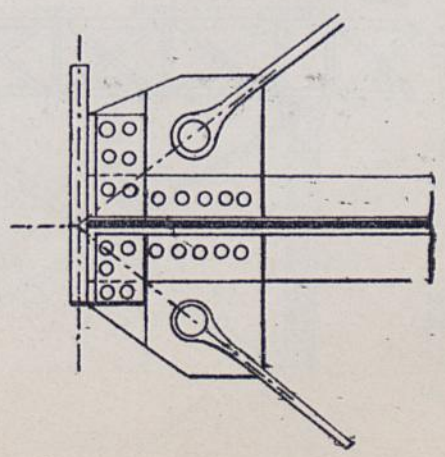


Рис. 5. Прухоное подпартие подшивниции.

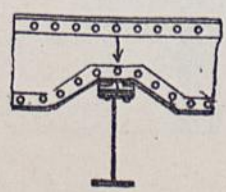
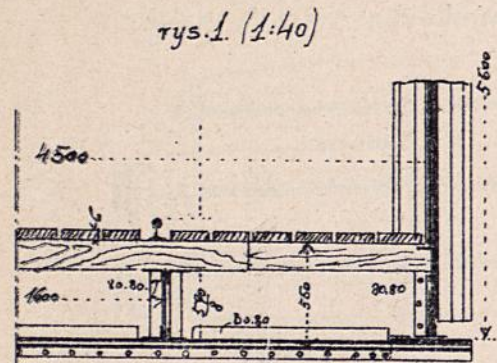


Рис. 146

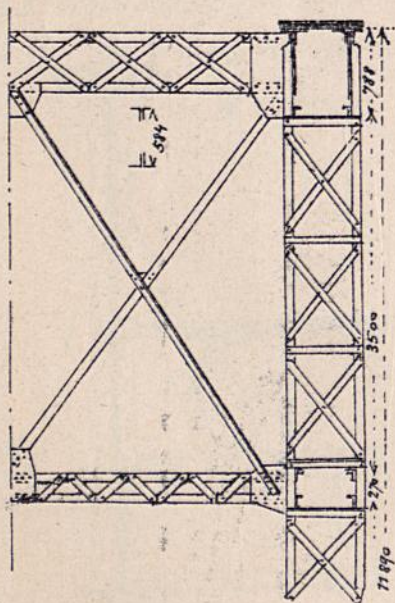


Przekroje poprzeczne i tozyska.



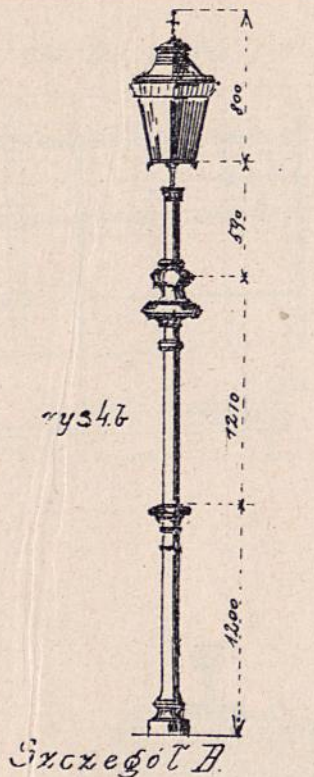
Most na Viege w Szwajcaryi.

rys. 2.

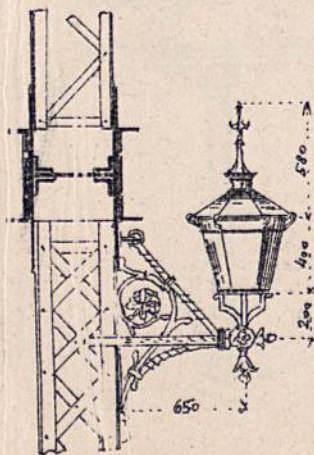


M. na Belai kol. Samara-Ufa.

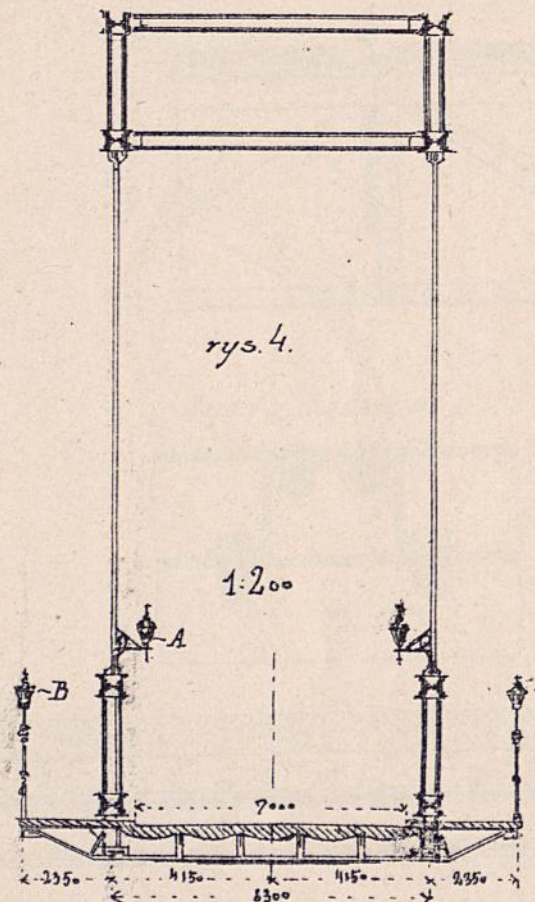
Dr. M. Thullie: Mosty krat. iel.



rys. 3a.



Szczegół A.



M. na Łabie p. Hamburgiem.

rys. 3.

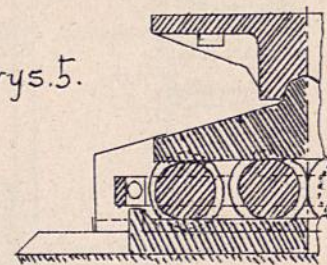


M. na Dunaju pod

Czernawoda.

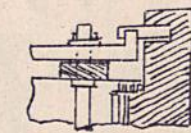
Przekrój technika. poxiomego.

rys. 5.

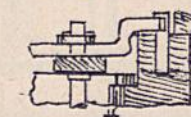


M. kol. badeńskiej.

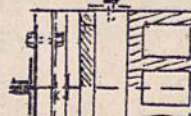
rys. 6a.



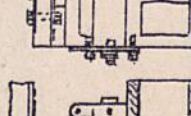
rys. 6b.



rys. 6c.



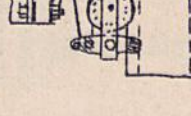
rys. 6d.



rys. 6e.



rys. 6f.

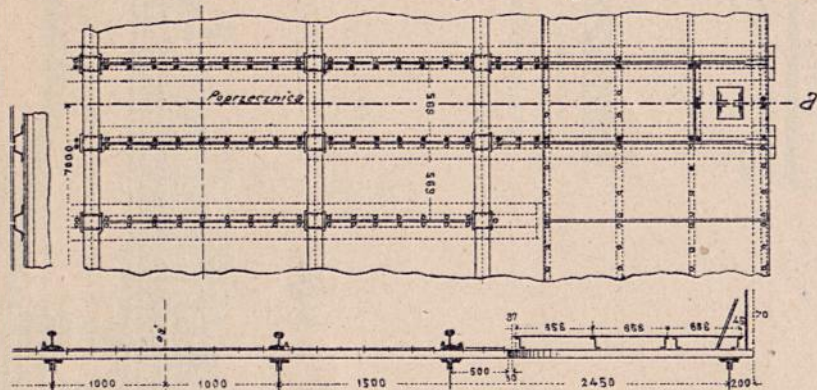


Most na Iglawie p. Kanitz.



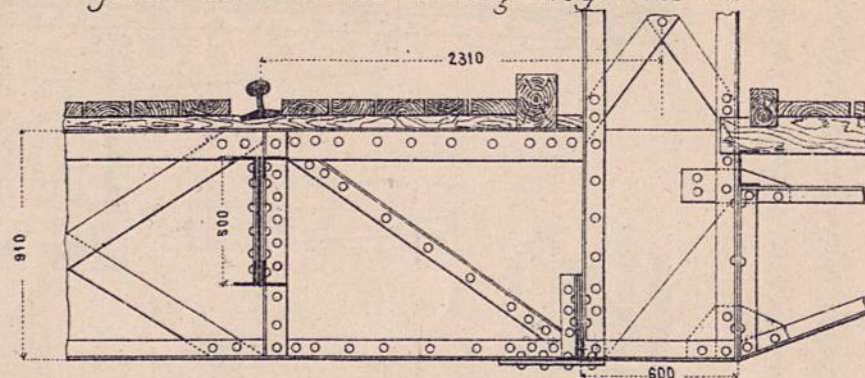
# POPRZECZNICE

Rys. 1. Pomost ze żłobkowanej blachy na Wiśle w Tczewie.

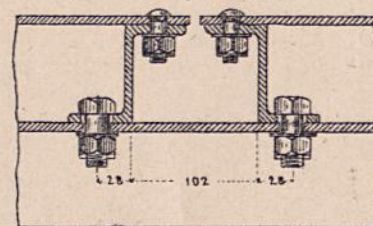


Uelflik str. 214.

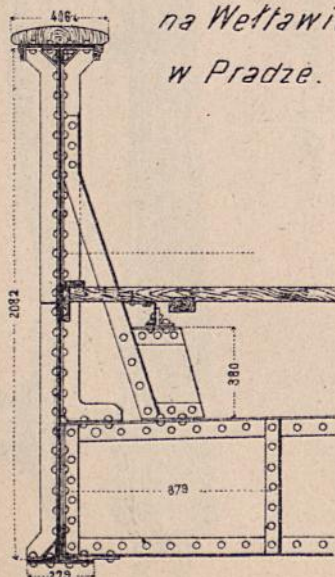
Rys. 2. Most na Renie w Moguncyi. 1/30 n.w.



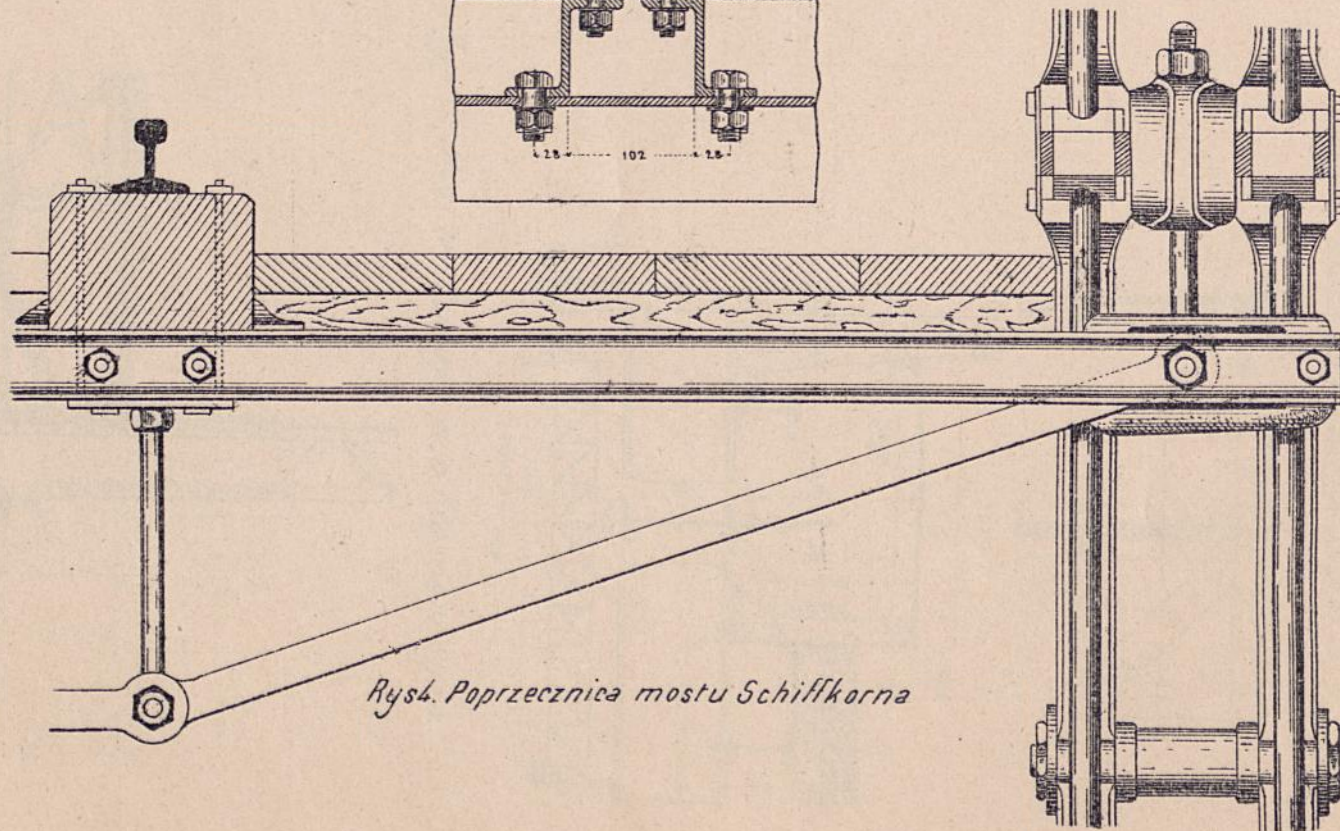
Rys. 1a. Szczegół a.



Rys. 3. Most ces. Franciszka Józefa na Wełławie w Pradze.



Uelflik str. 53.



Rys. 4. Poprzecznicą mostu Schiffkorna

M. Uleniecki.

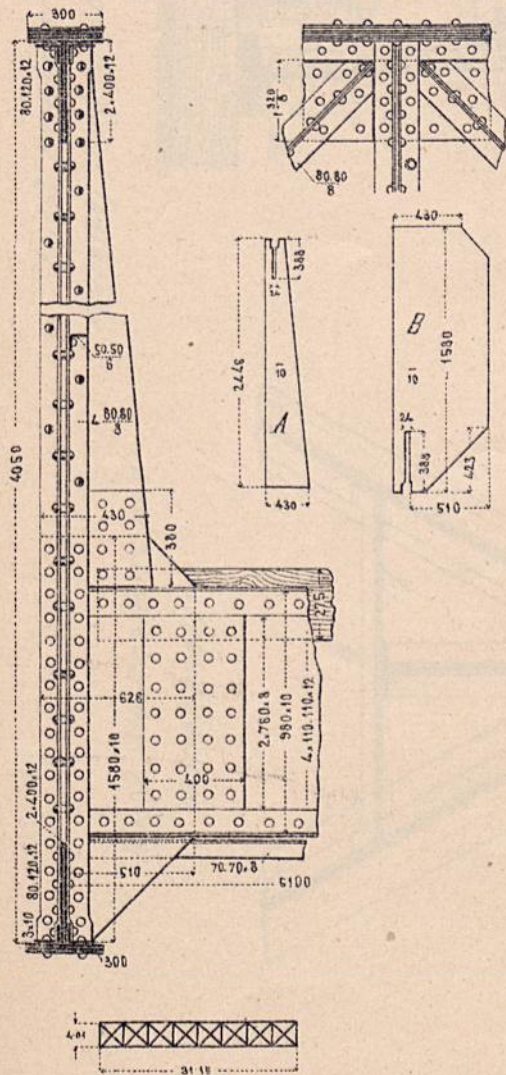




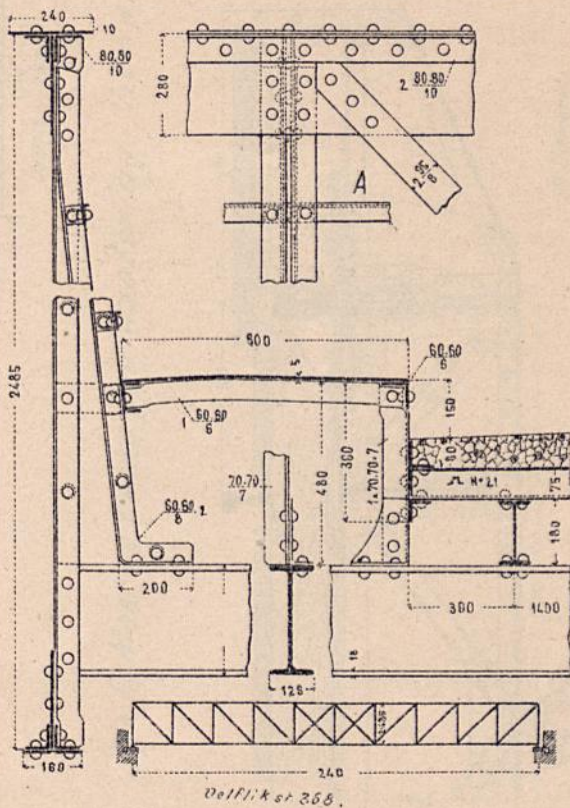
# UTWIERDZENIE POPRZECZNIC

Rys. 2. Most na Wolesce w Kosztarowie.

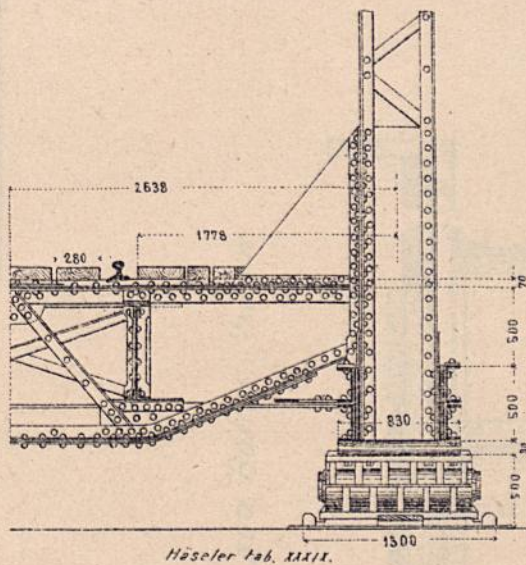
Rys. 1. Przytwierdzenie poprzecznice mostu na Dunaju w Kremsie.



Uefflik str. 372.

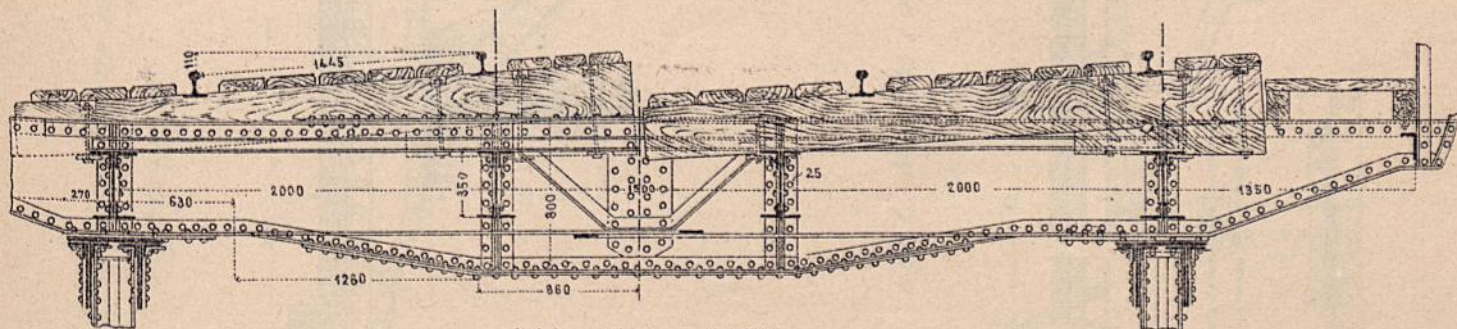


Rys. 3. Most na Dunaju pod Sigmaringen.



Häselser tab. XXXI.

Rys. 4. Wiadukt Lengelfeld.



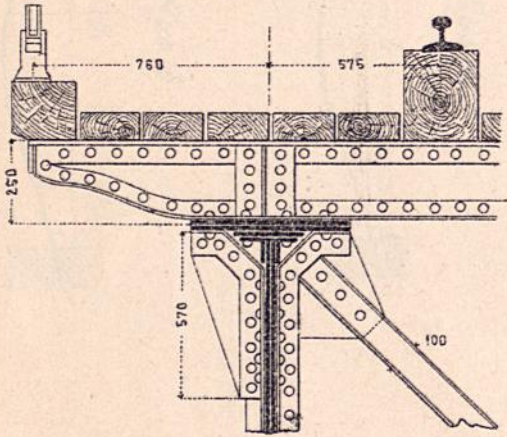
1:4.0 Häselser tab. XLVII.

M. Ulaniecki.

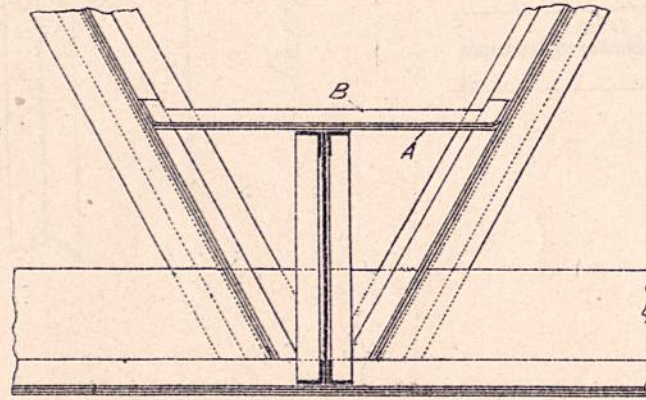


# UTWIERDZENIE POPRZECZNIC.

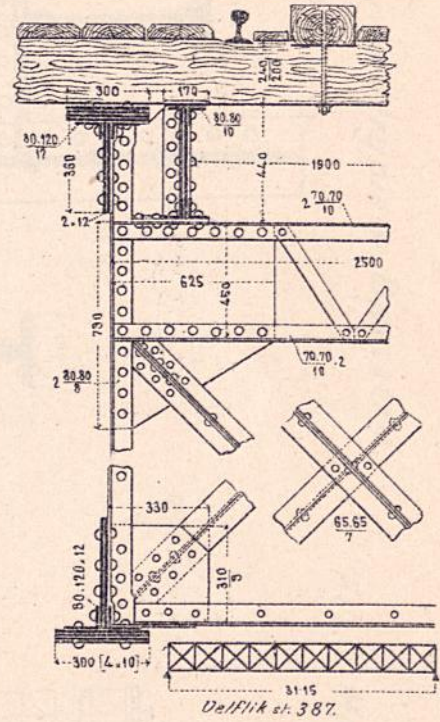
Rys. 1. Most na Saane pod Fryburgiem.



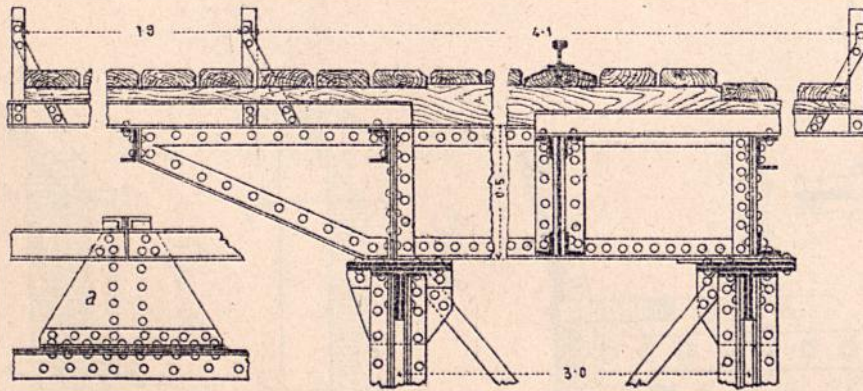
Rys. 2. Most na Birs pod Mönchenstein.



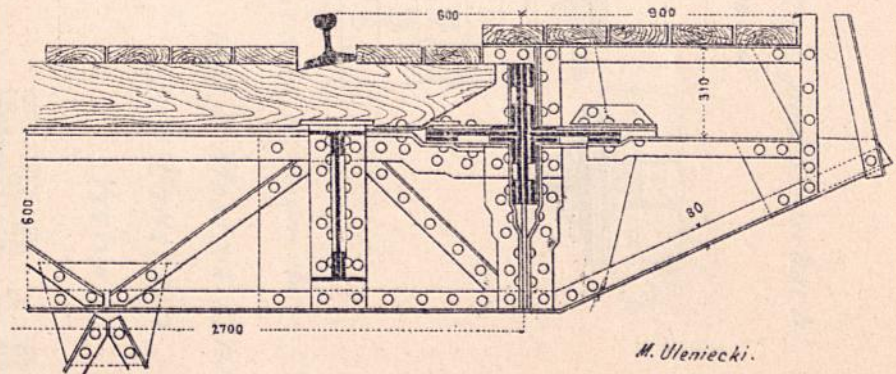
Rys. 3. Przytwierdzenie poprzecznic kratowej przy moście na Dunaju w Kremsie.



Rys. 4. Most na Lahnne pod Bollar. 1/30 n.w.



Rys. 5. Most na Lecku pod Kaufering. 1/25 n.w.

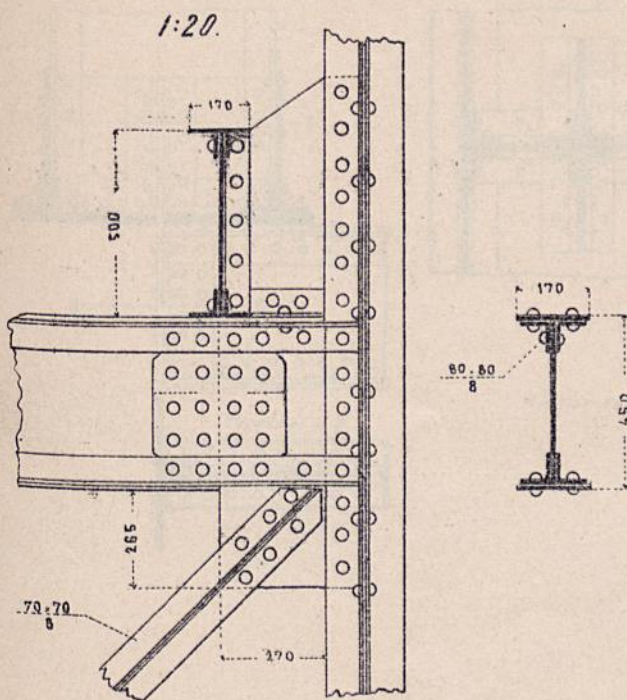


M. Uleniecki.



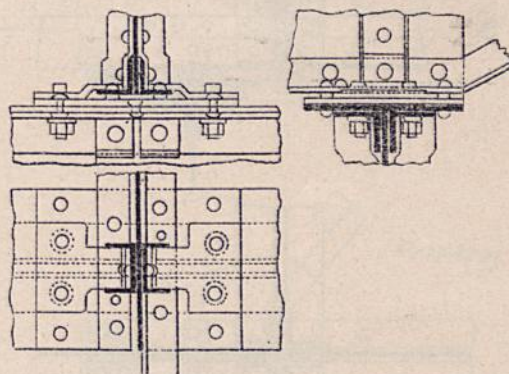
# POPRZECZNICE

Rys. 1. a. Most na Strypie w Buczaczu.



Rys. 2. Most na Dunaju pod Steinbach.

1/16 n.w.

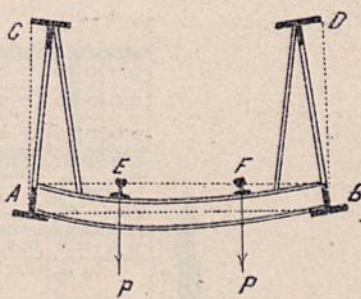


Zeits. d. Ing. u. Arch. Ver. in. Hannover 1890 st. 499.

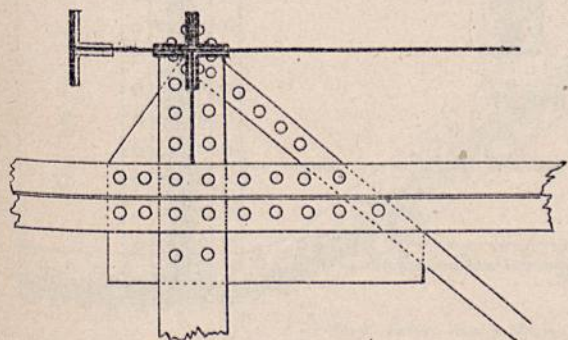
Rys. 3. Most na Lahnne pod Lahstein.

1/25 n.w.

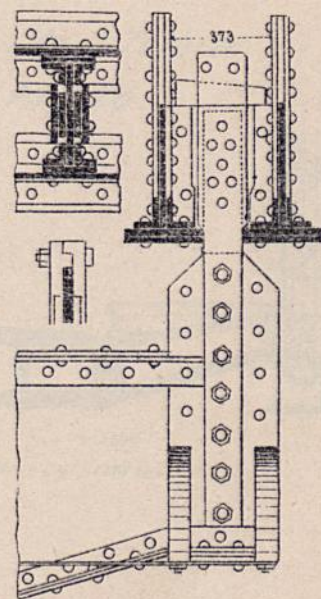
Rys. 4



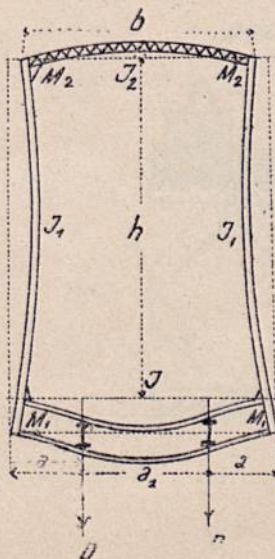
Rys. 1. b. Rzut poziomy.



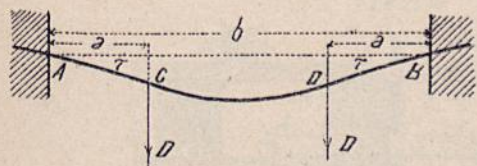
Szerokość mostu od osi do osi 2610  
Wysokość belki głównej 3610



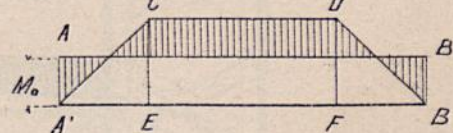
Rys. 7.



Rys. 5.



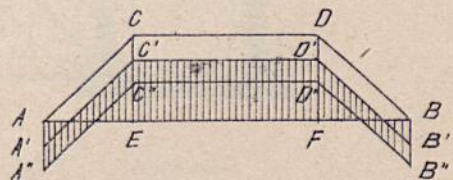
Rys. 8.



Rys. 6.



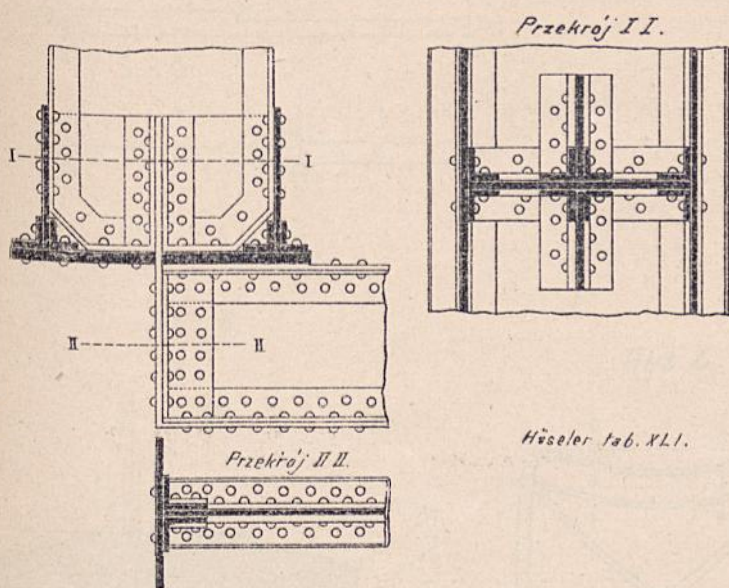
Rys. 9.



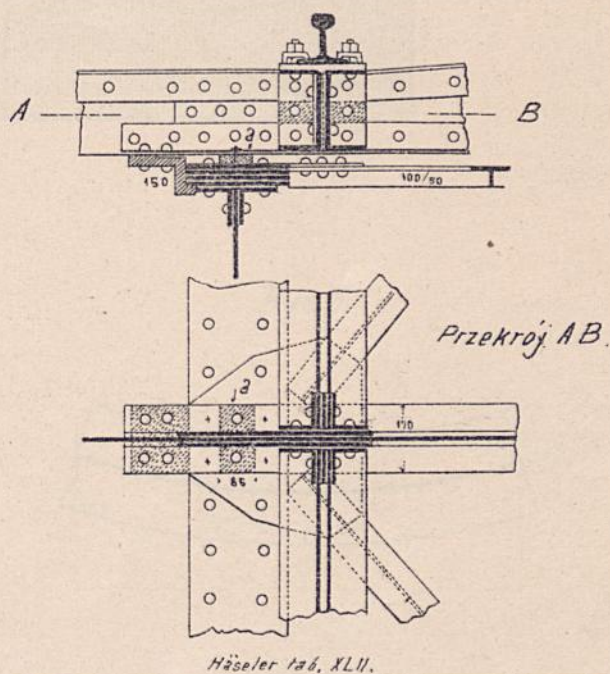


# UTWIERDZENIE POPRZECZNIC.

Rys. 1. Nowy most na Trencie pod Newark.

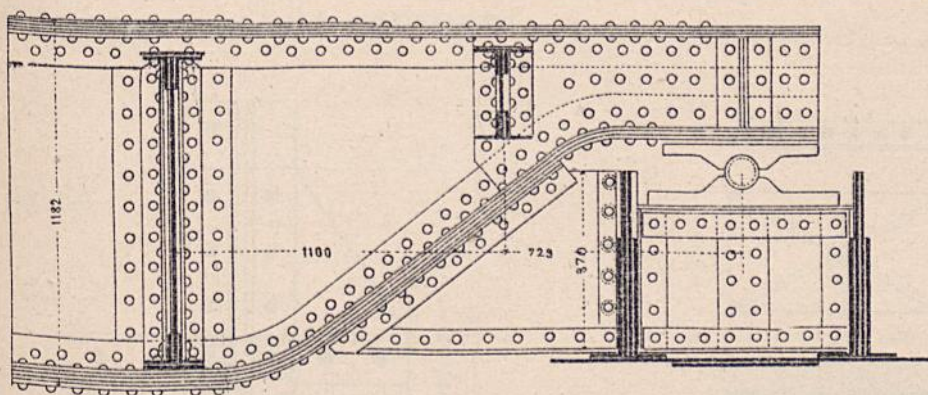


Rys. 2. Most Glästrägerbrücke 1/20 n.w.

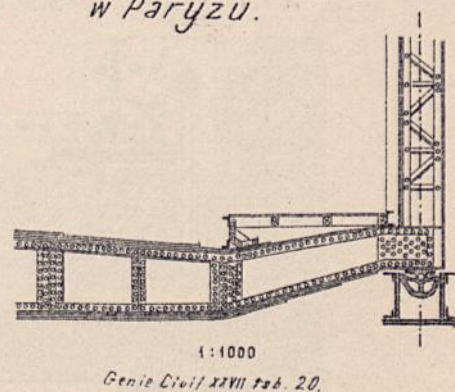


Rys. 3. Most na Renie pod Rhenem.

1/24 n.w.

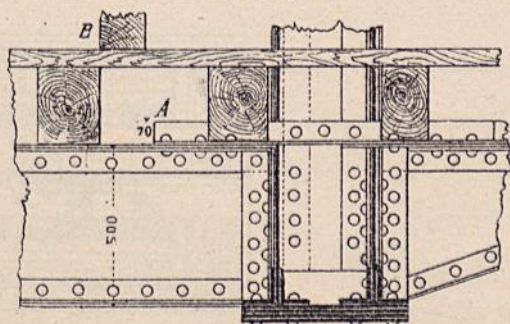


Rys. 4. Most Tolbiac w Paryżu.



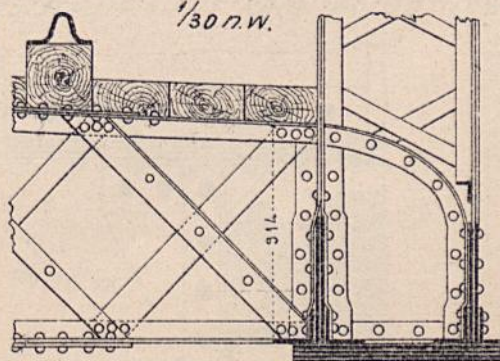
Rys. 5. Most drogowy na Maasie pod Roermond w Holandyi.

1/25 n.w.



Rys. 6. Most na Boyne pod Droghedą

1/30 n.w.

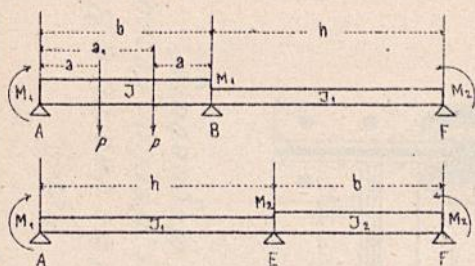


M. Ulaniecki

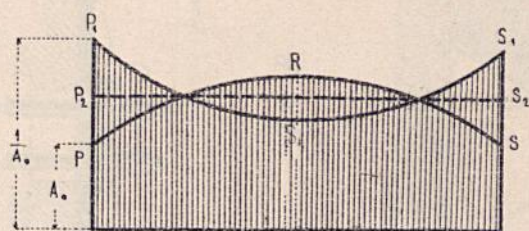




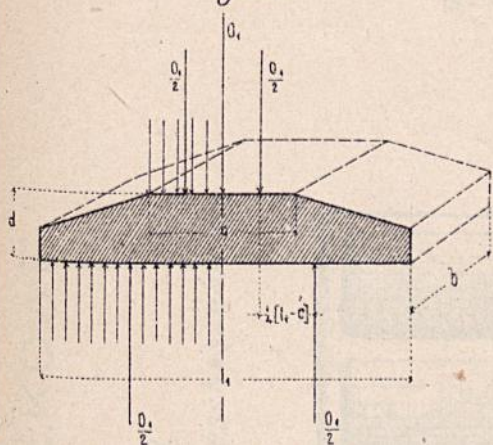
Rys. 1a, 1b.



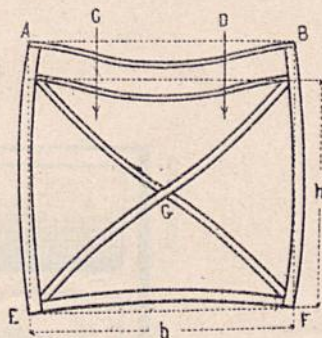
Rys. 2.



Rys. 3.



Rys. 4.

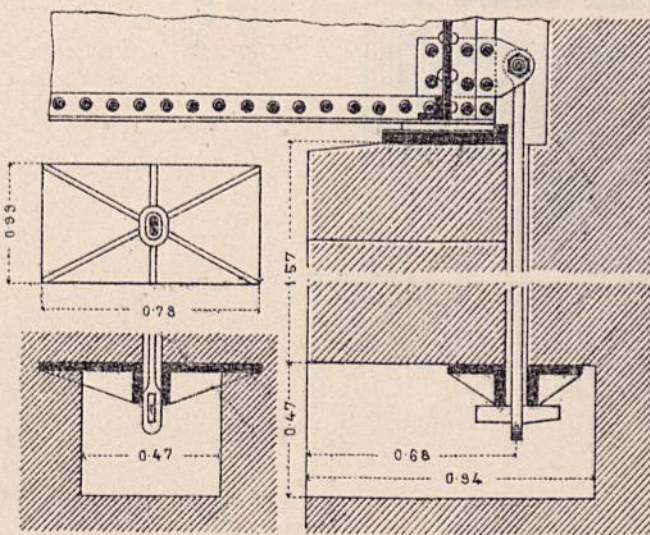
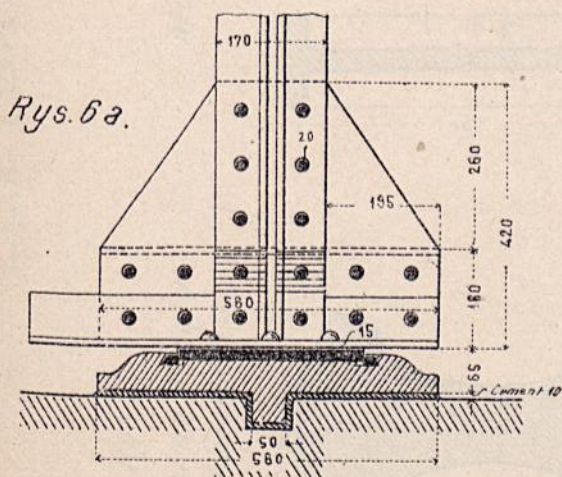


Rys. 5.



Rys. 6. Paristwowa kolej hannowerska.

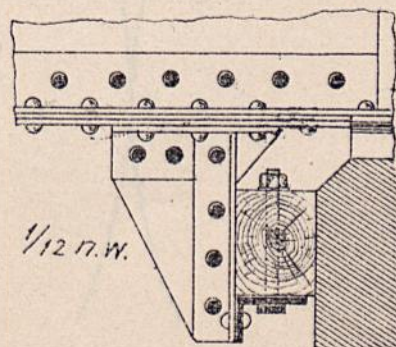
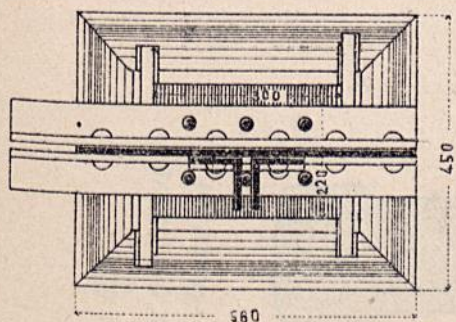
Rys. 7. Most kolei „Halla-Guben” pod Delicz.  
1/25 n.w.



Rys. 6a.

Rys. 6b.

Rys. 8. Normalia austr. kolei południow.  
1/12 n.w.



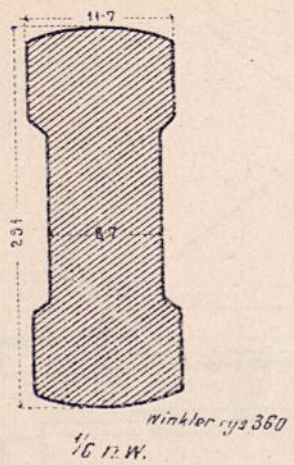
Hörselstr. 35.

M. Thullie

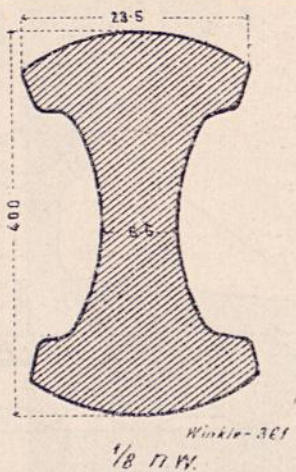


# ŁOŻYSKA WAŁKOWE.

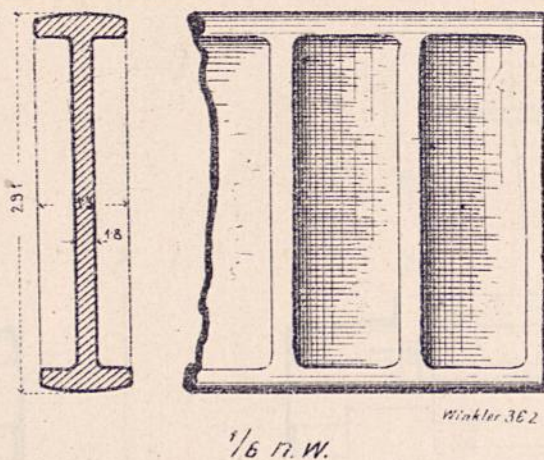
Rys. 1.  
Most na Jinnie  
pod Passawą.



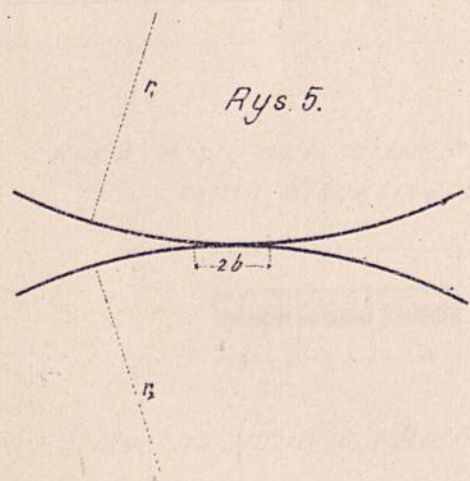
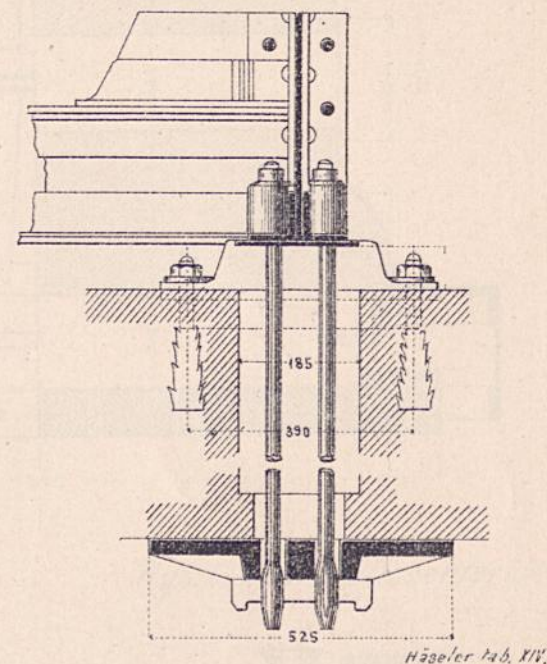
Rys. 2.  
Most na Dunaju  
pod Stadtlau.



Rys. 3.  
Most pod Crosshesselohe.

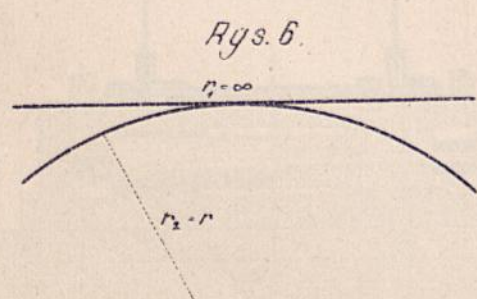
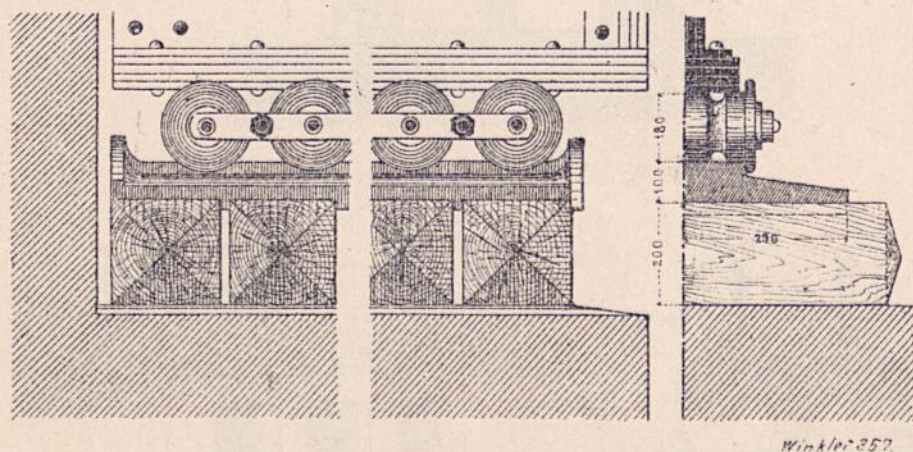


Rys. 4.  
Wiadukt na dworcu w Berlinie  
kolei „Berlin - Poczdam  
Magdeburg”

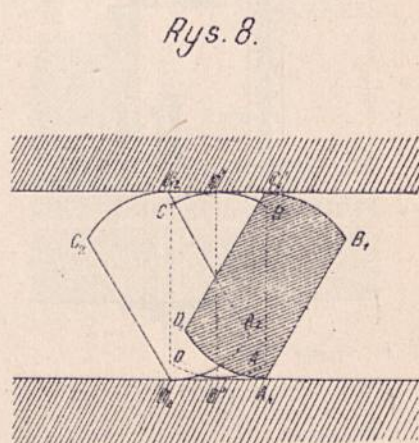


Rys. 5.

Rys. 7.  
Most na Sitter  
pod St. Gallen.  
1/20 n.w.



Rys. 6.



Rys. 8.

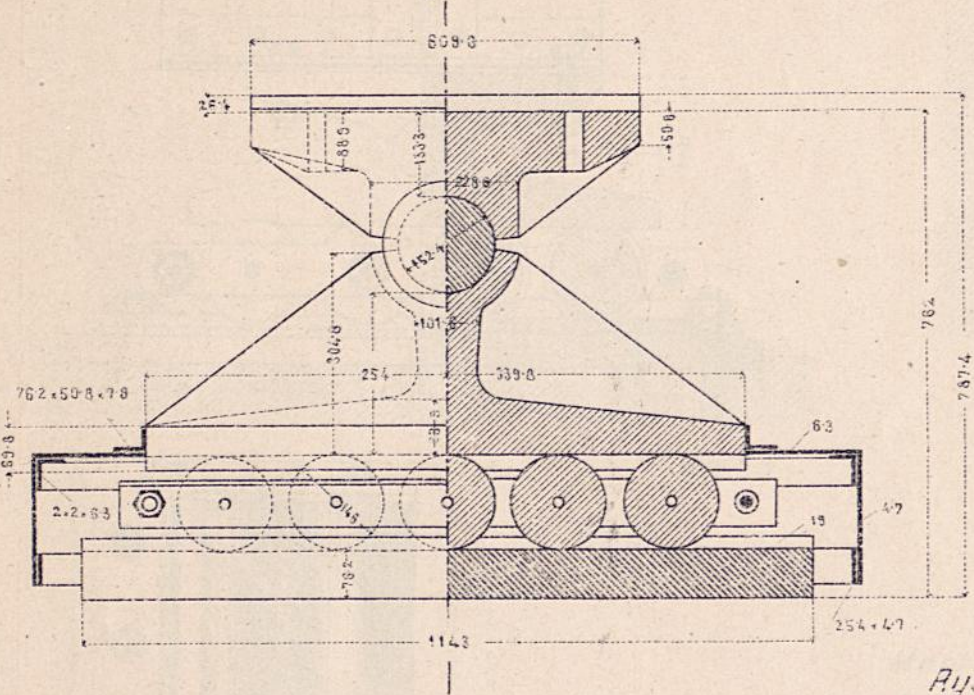
Müller K.



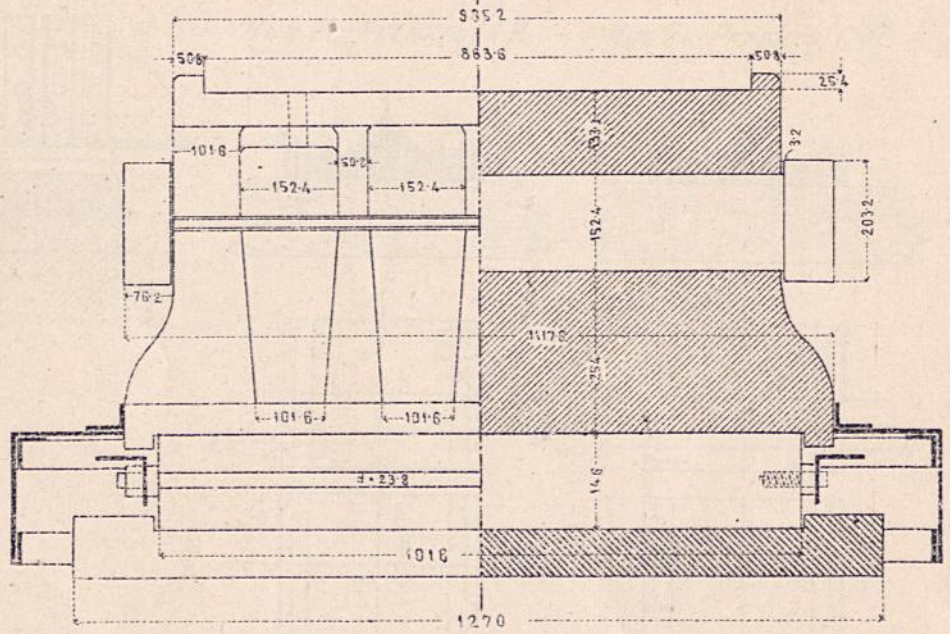
# ŁOŻYSKA WAŁKOWE.

Most kolei warszawsko-kaliskiej na stacji w Warszawie. 1/12 n.w.

Rys. 1a.



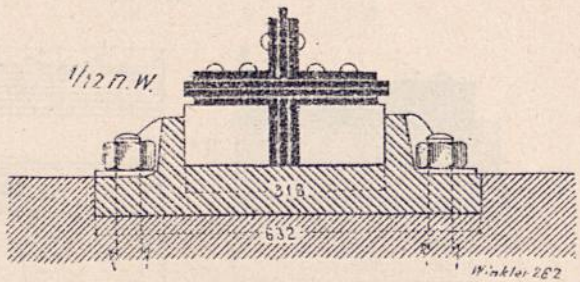
Rys. 1b.



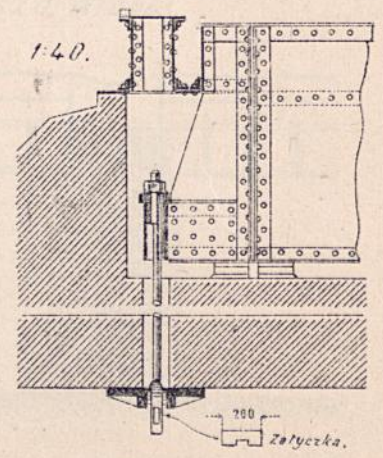
Rys. 2. Mosty na Tamizie pod Windsorem i Blackfriars.



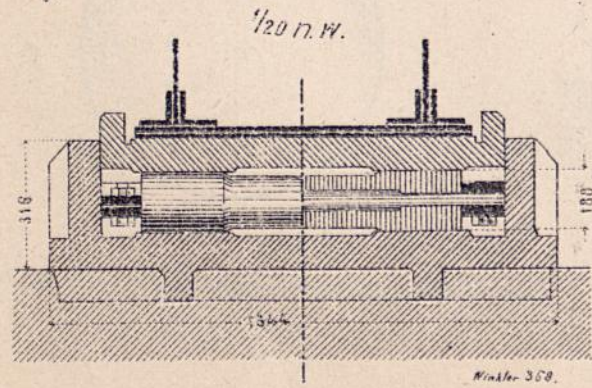
Rys. 3. Most na Jpoli Granie na Węgrzech.



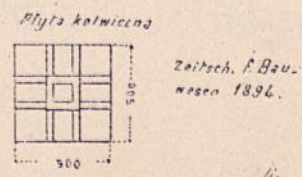
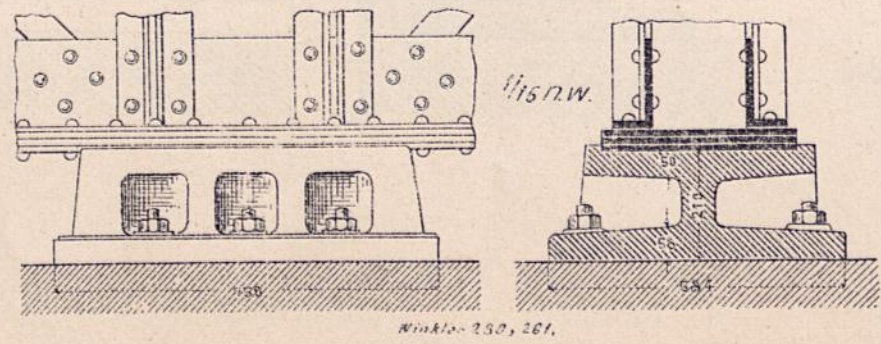
Rys. 4. Most w Düsseldorfie.



Rys. 5. Most na Innie pod Bichelwand.

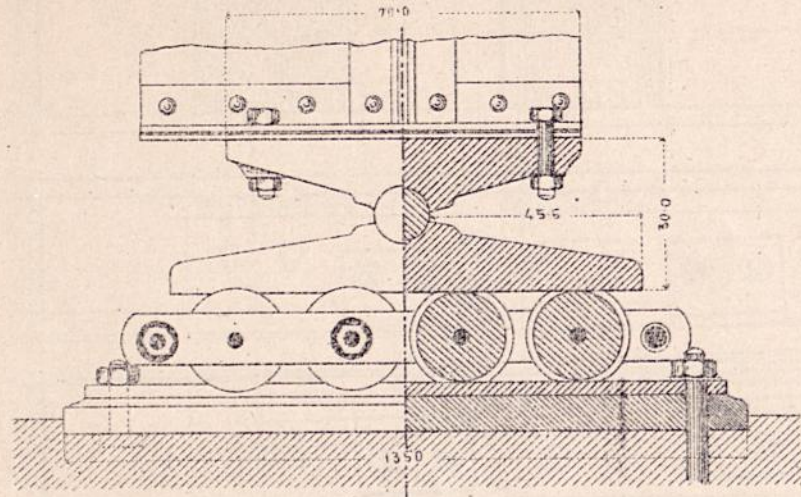


Rys. 6. Most na Isarze pod Plattling.

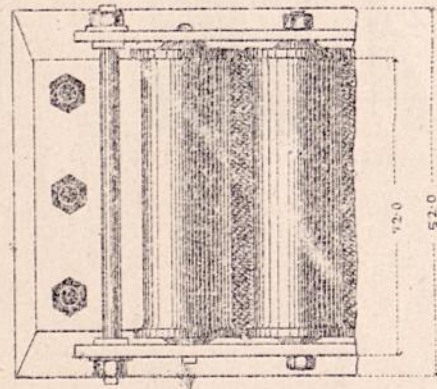




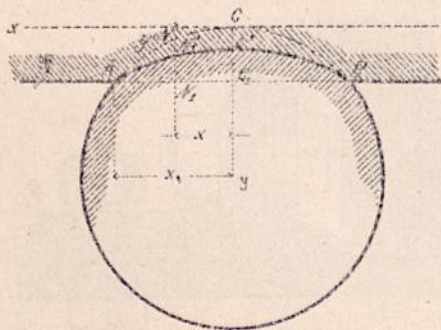
Rys. 1. Most na Dyji pod Znajmem.



1/15 n.w

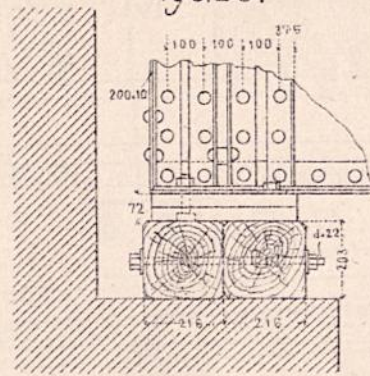


Rys. 3.

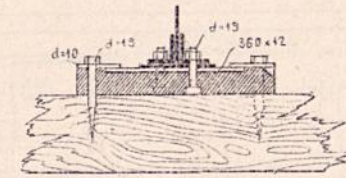


Most kolei warszawsko - kaliskiej nad drogą Łódź - Konstantynów.

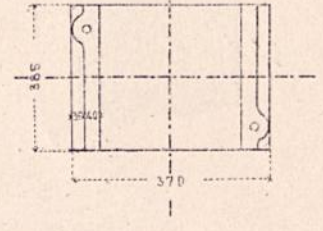
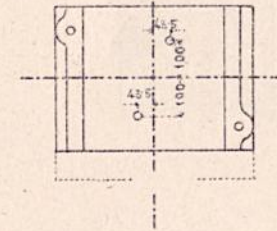
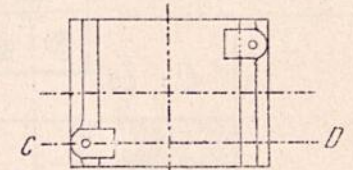
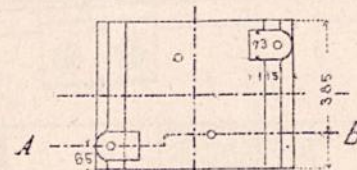
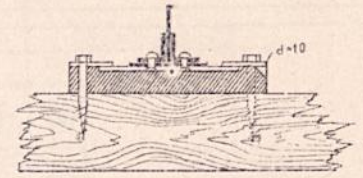
Rys. 2a.



Rys. 2b. Przekrój A-B.



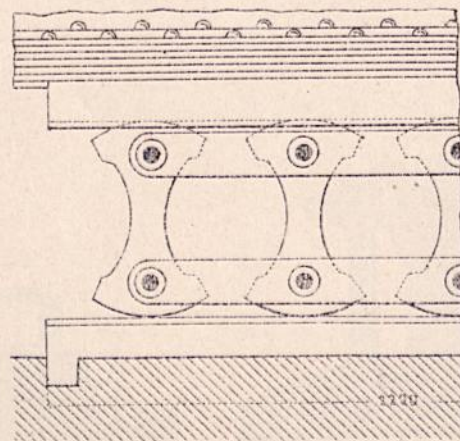
Rys. 2c. Przekrój C-D.



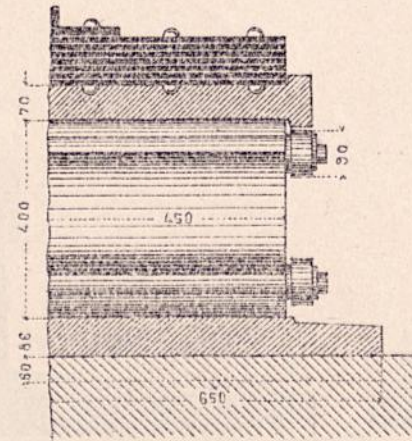
Rys. 4. Most na Dunaju pod Stadlau.

1/15 n.w.

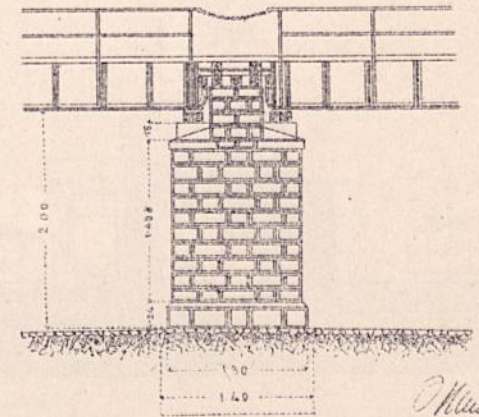
a.



b.



Rys. 2d. Widok.

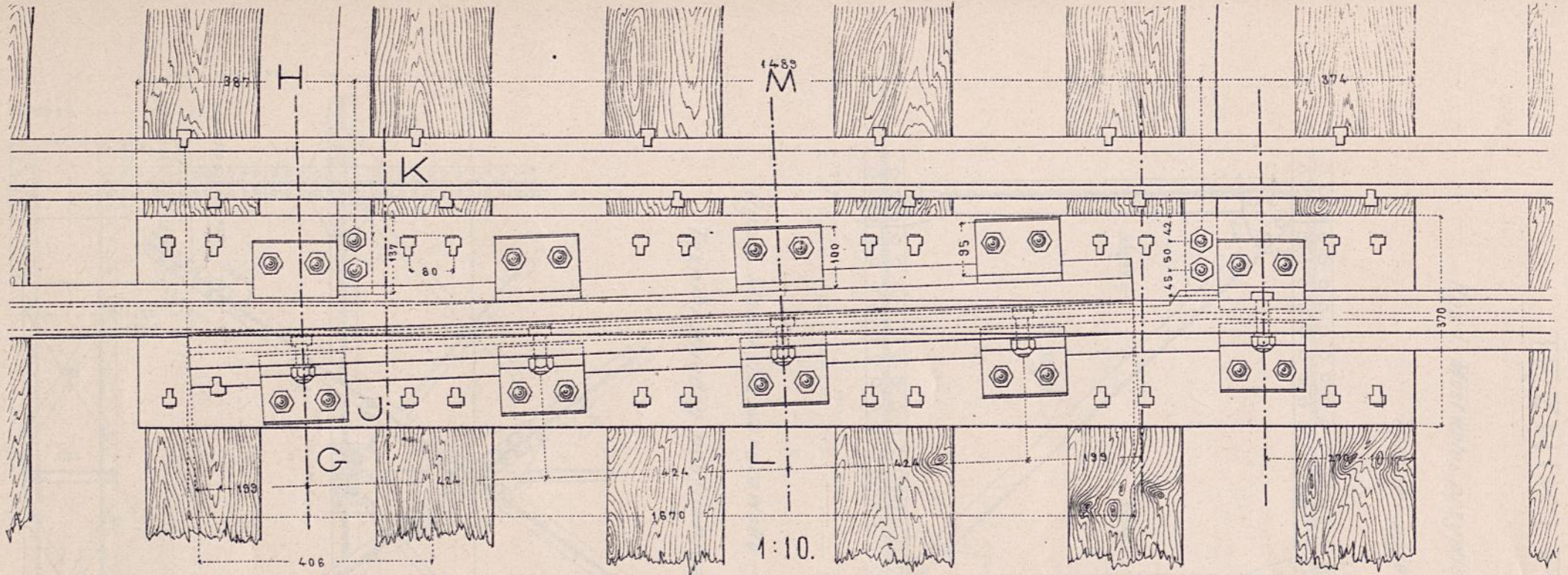


Millen...

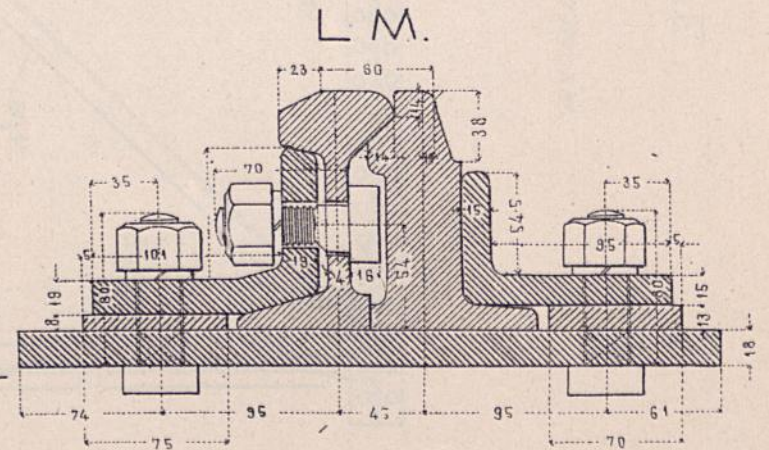
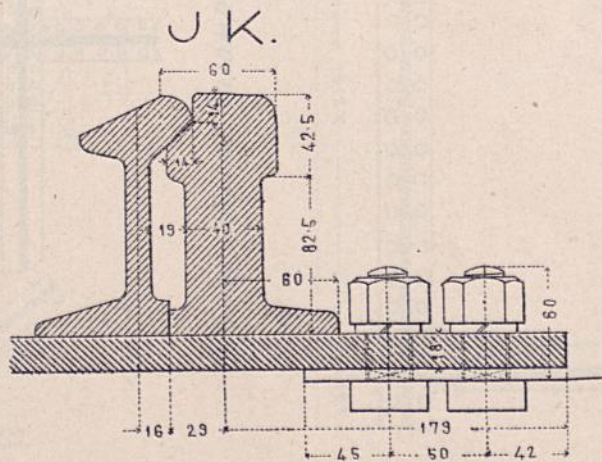
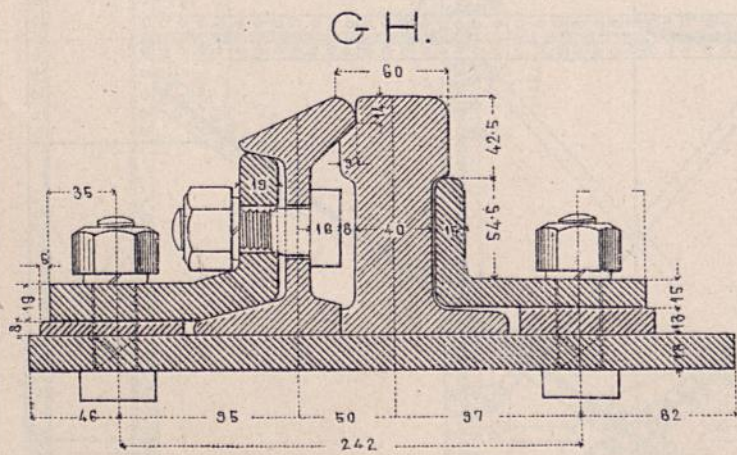




Most kolei warszawsko - kaliskiej na dworcu w Warszawie.



Przekroje poprzeczne.

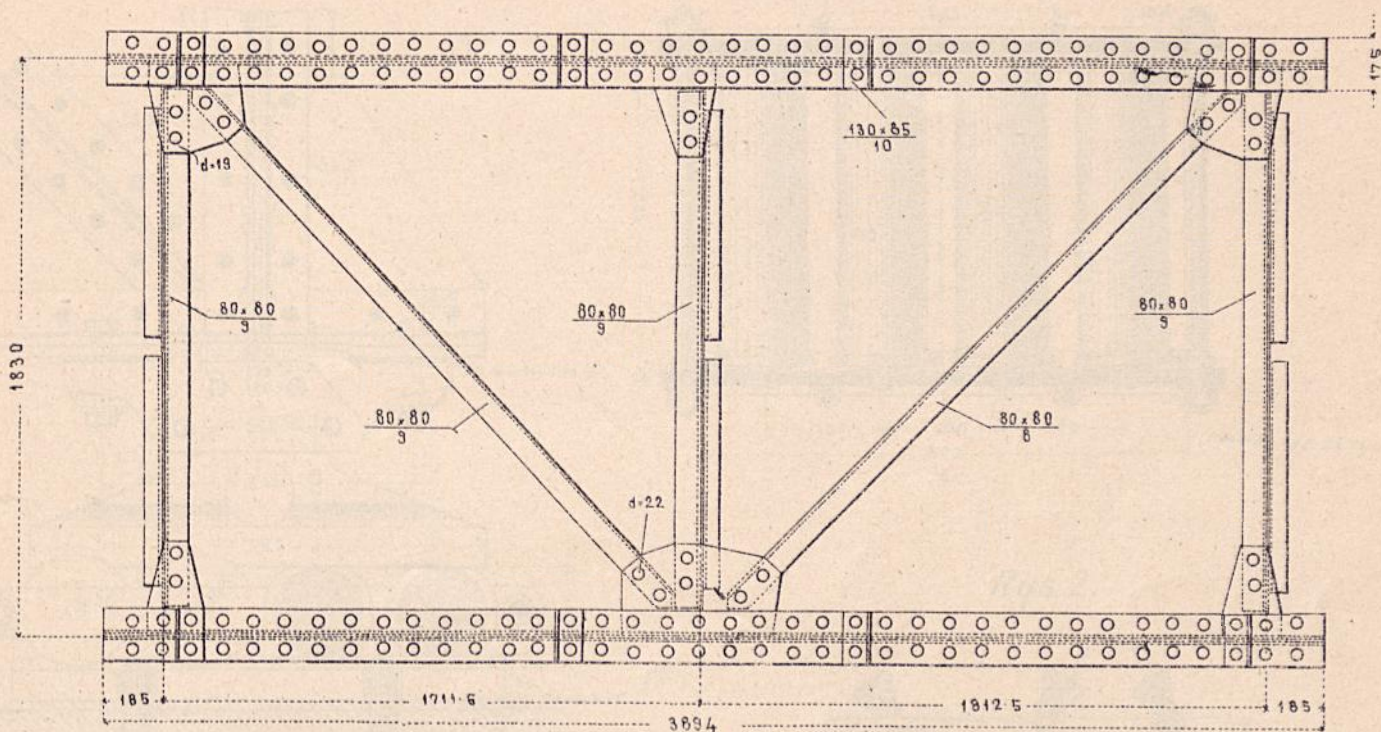




# TEŻNIKI POZIOME.

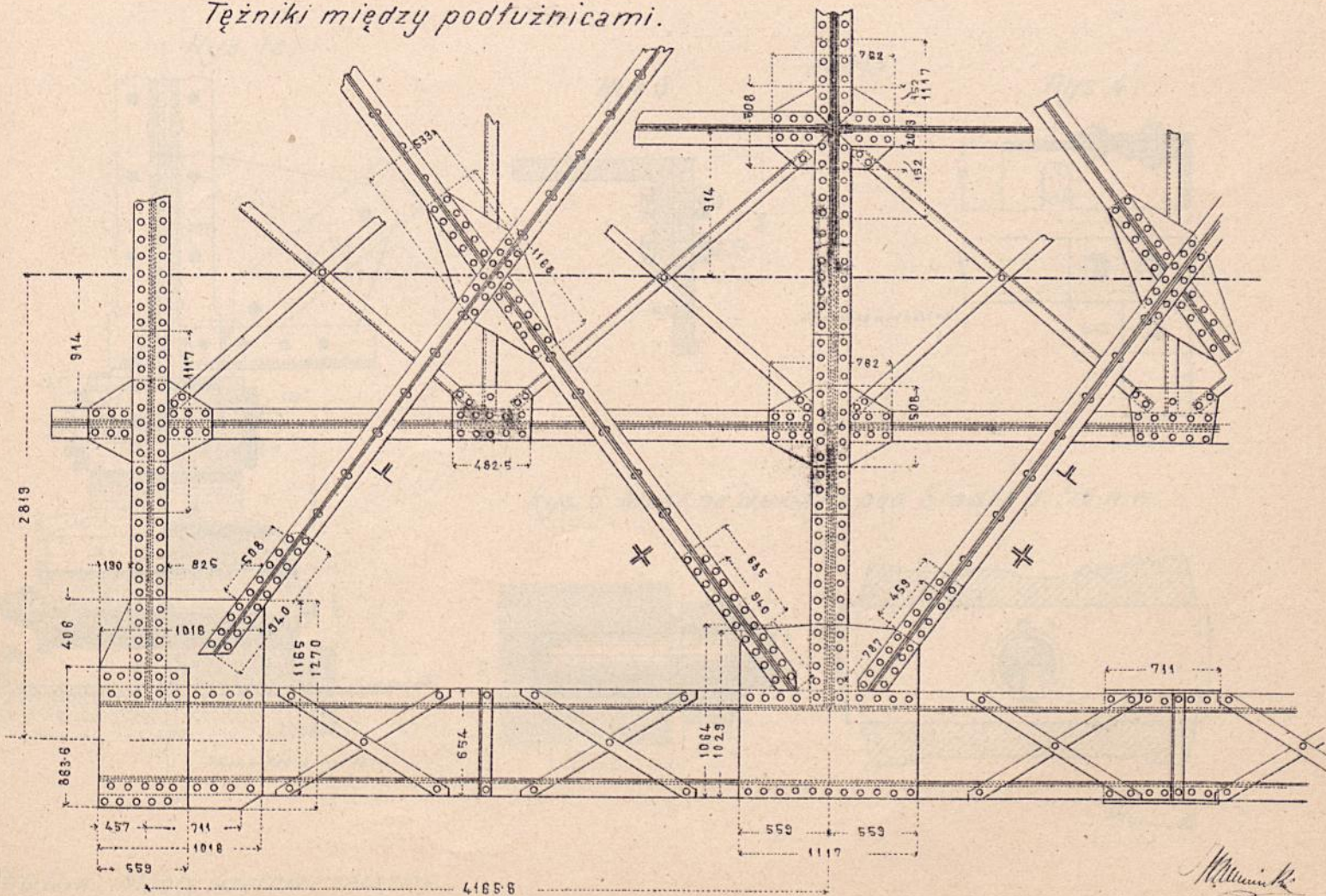
Rys. 1. Most kolei przywiślańskiej 300 m. św.

Tężniki pojedyncze.



Rys. 2. Most kolei warszawsko-kaliskiej na dworcu w Warszawie.

Tężniki między podłużnicami.

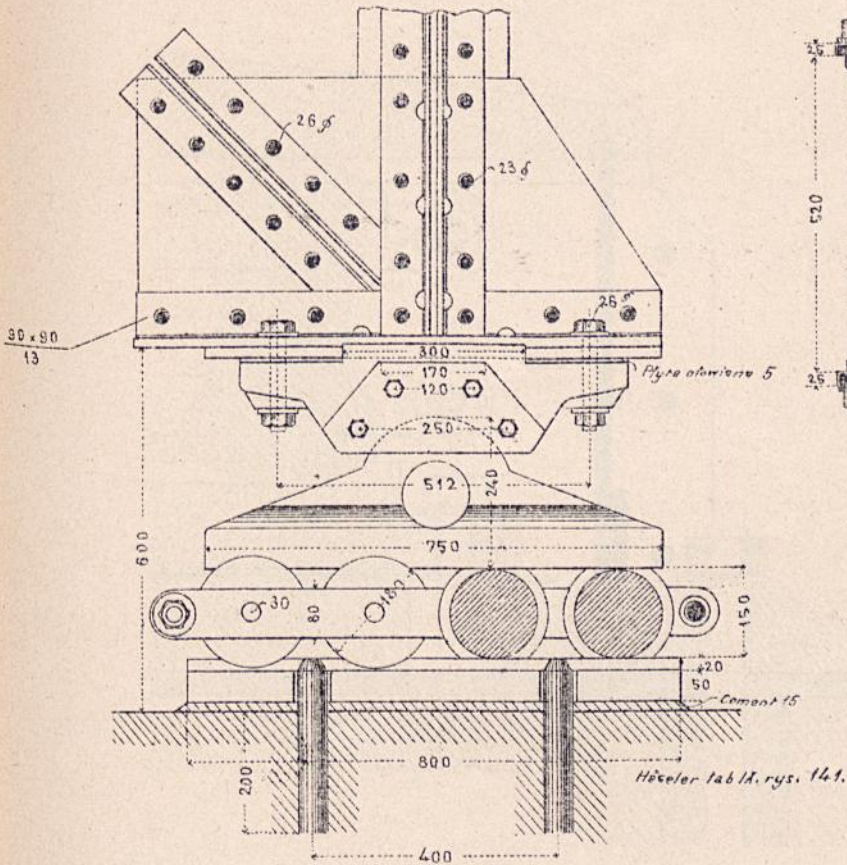




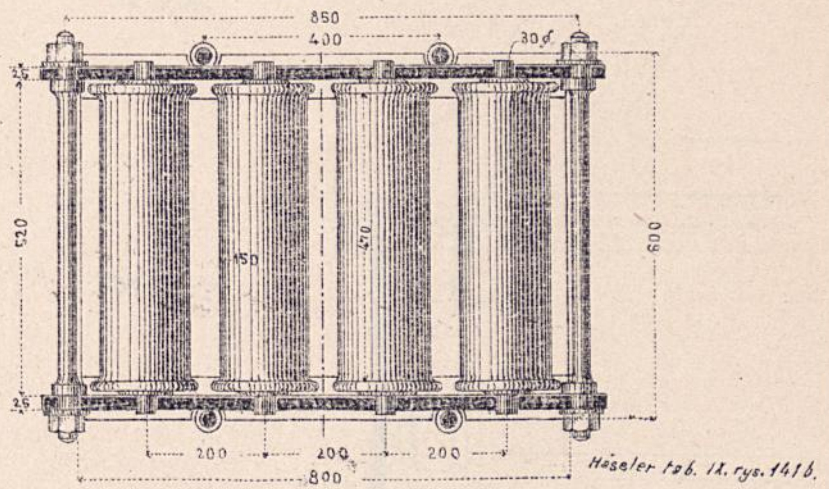
# ŁOŻYSKA WALKOWE.

Rys. 1. Most nad Amizie koło Duisburgu. 1/25 n.w.

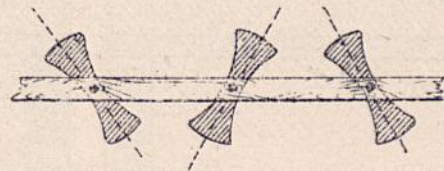
Rys. 1a.



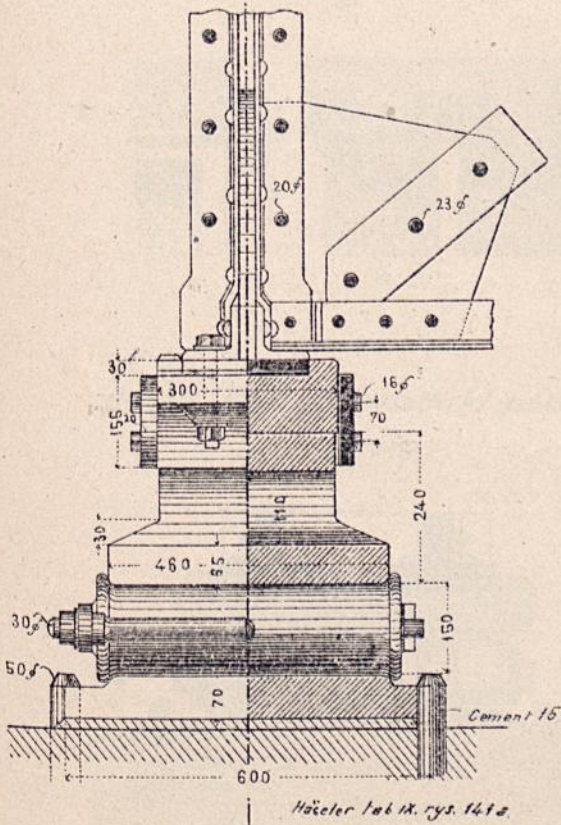
Rys. 1b.



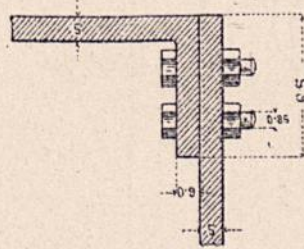
Rys. 2.



Rys. 1c.

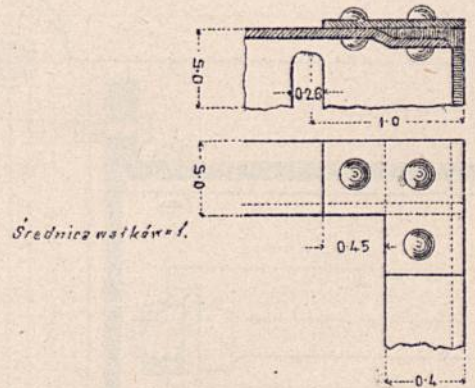


Rys. 3.

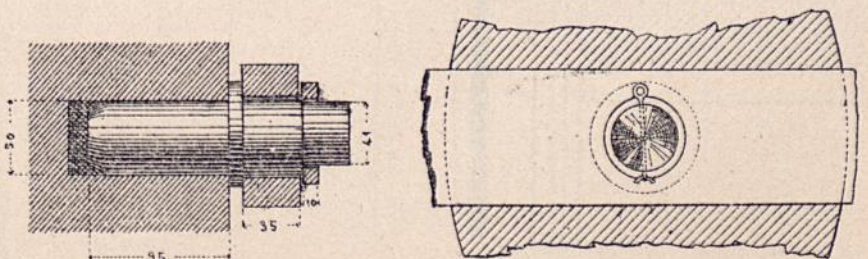


Rama.

Rys. 4.



Rys. 5. Most na Dunaju pod Stadlau. 1/5 n.w.

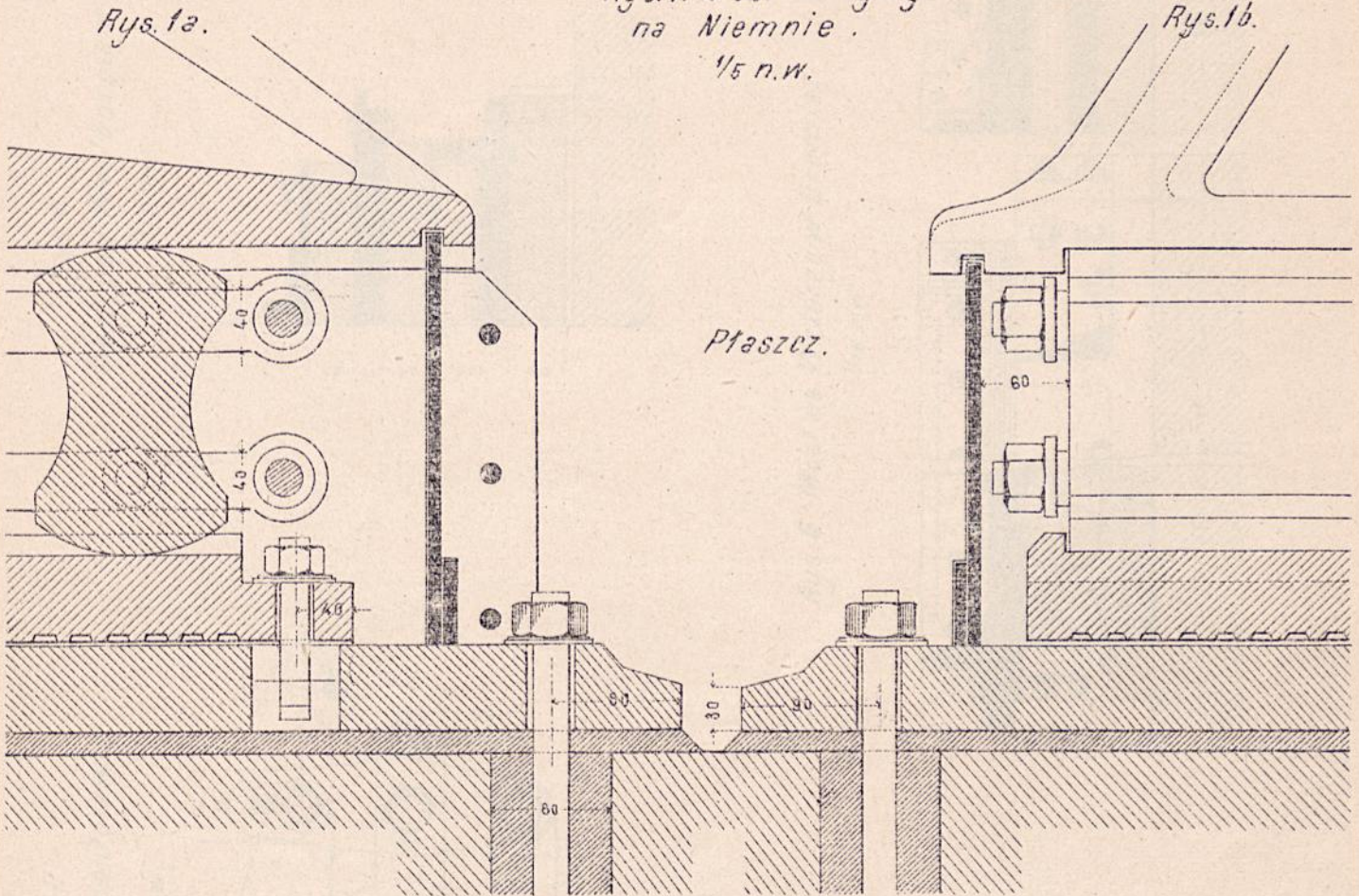


*Thullie*

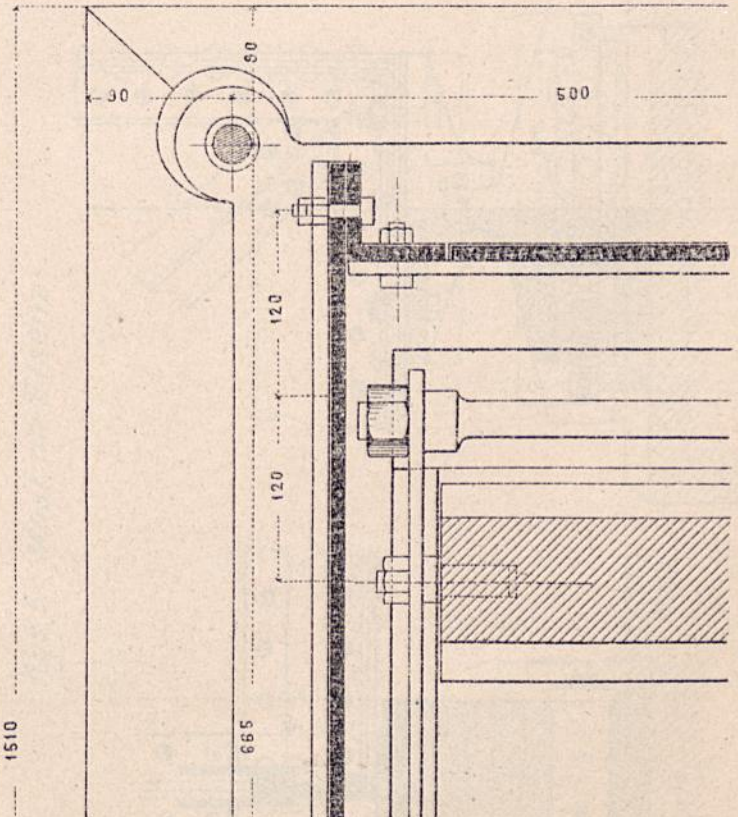


# ŁOŻYSKA WAŁKOWE.

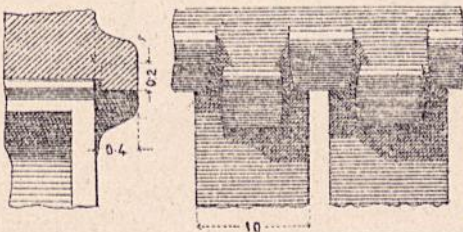
Rys. 1. Most w Tylży  
na Niemnie.  
1/5 n.w.



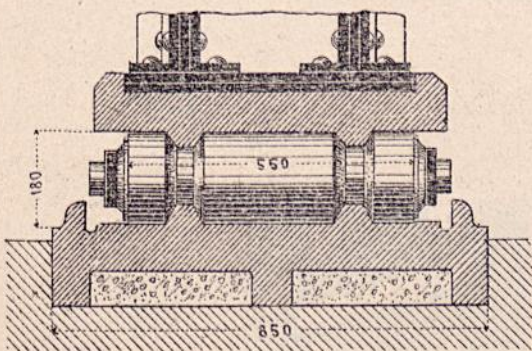
Rys. 1c.



Rys. 2



Rys. 3. Kocher-wiadukt pod Tullau.  
1/15 n.w.



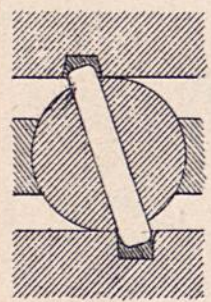
*Thullie*





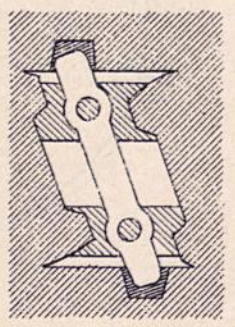
# ŁOŻYSKA WAŁKOWE.

Rys. 1.



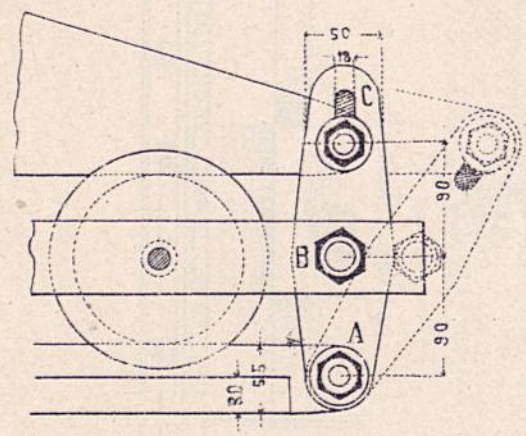
1/10 n.w.

Rys. 2.



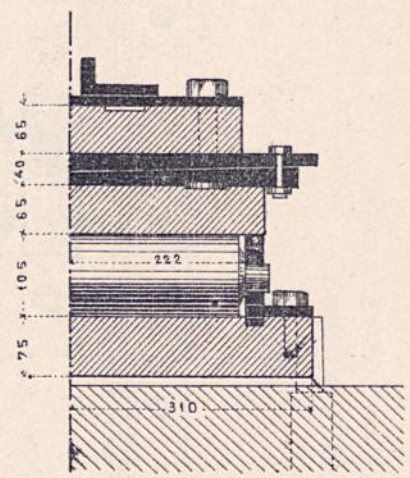
Rys. 3.  
Wiadukt na Jgławie.

1/8 n.w.



Rys. 4.  
Most pod Weilburgiem.

1/10 n.w.



Rys. 5. Most na Elsenz.

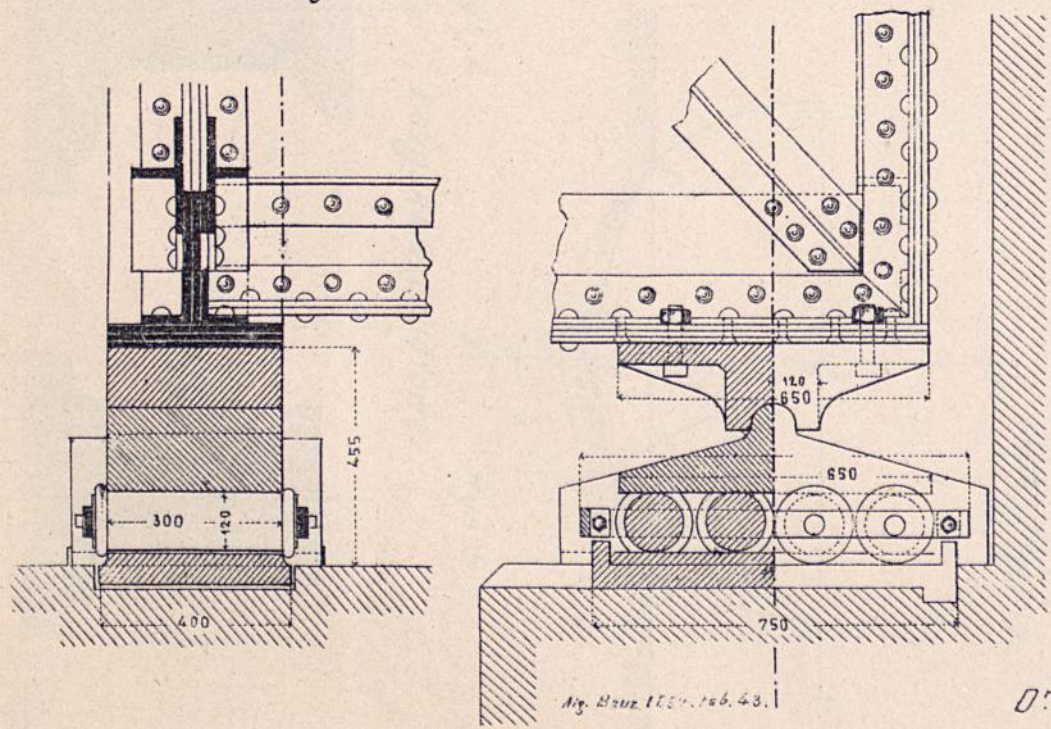
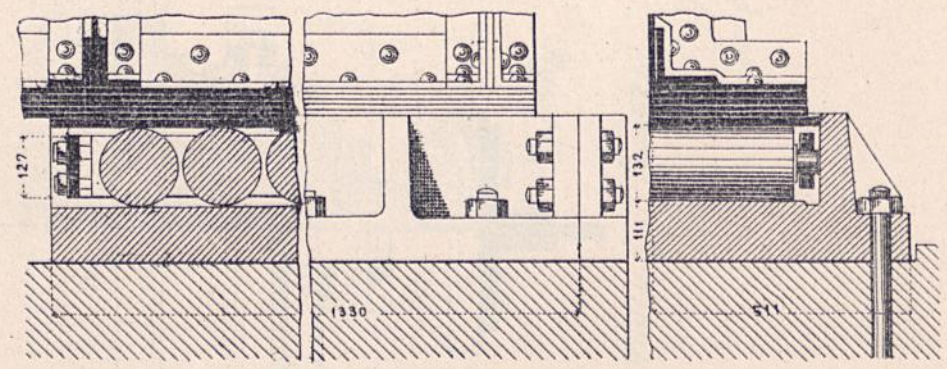


Fig. 1102. 1887. pag. 43.

Rys. 6. Most na Wezerze w Bremie.

1/15 n.w.



Dr. M. Thulie. Mosty kratowe zelazne.

M. Thulie



# ŁOŻYSKA.

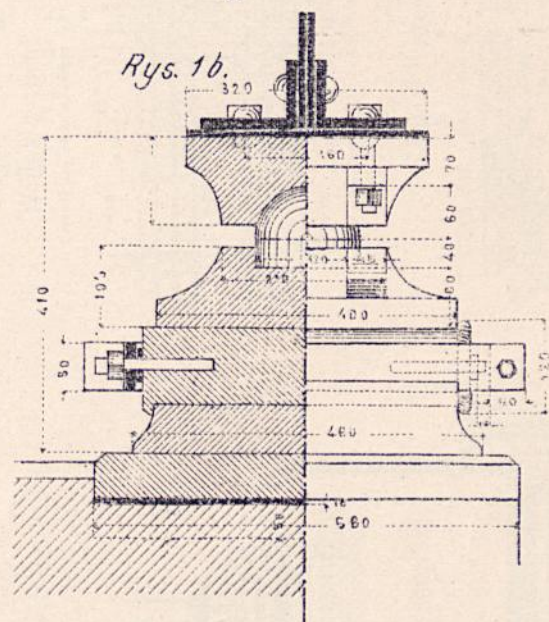
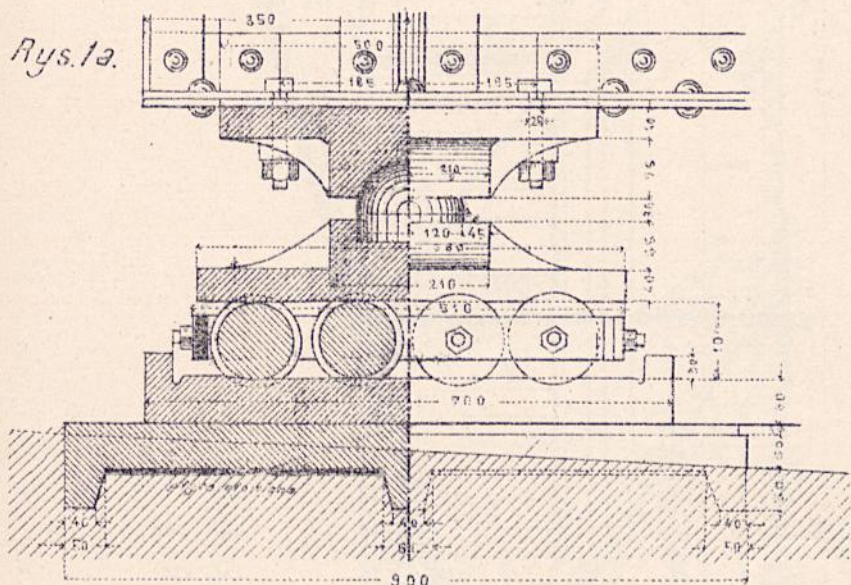
Rys. 1. Łożysko kuliste przy maście na Lublinie kolei południowej.

Przekrój podłużny.

Widok.

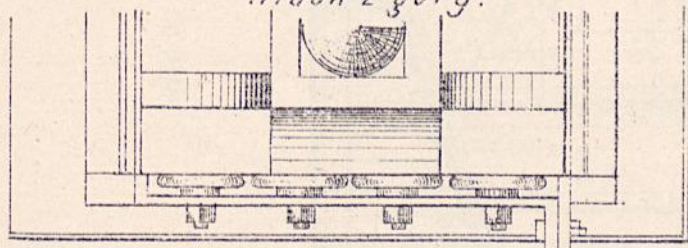
Przekrój.

Widok.



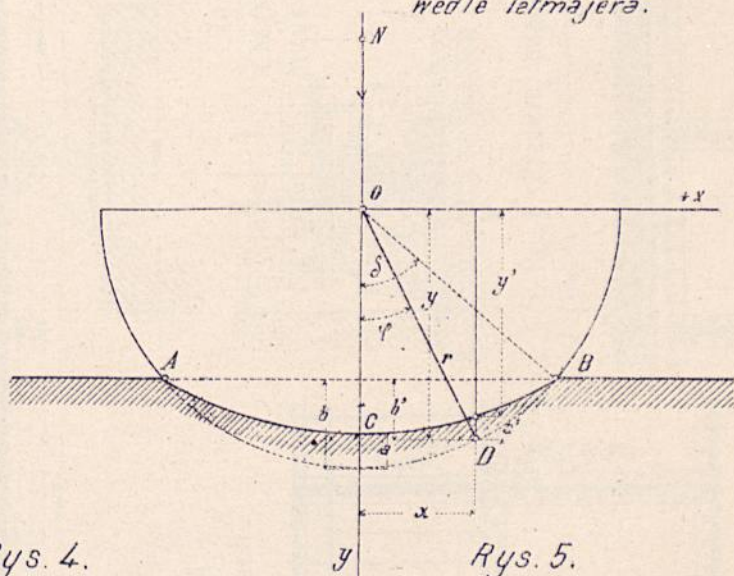
Widok z góry.

Rys. 1c.

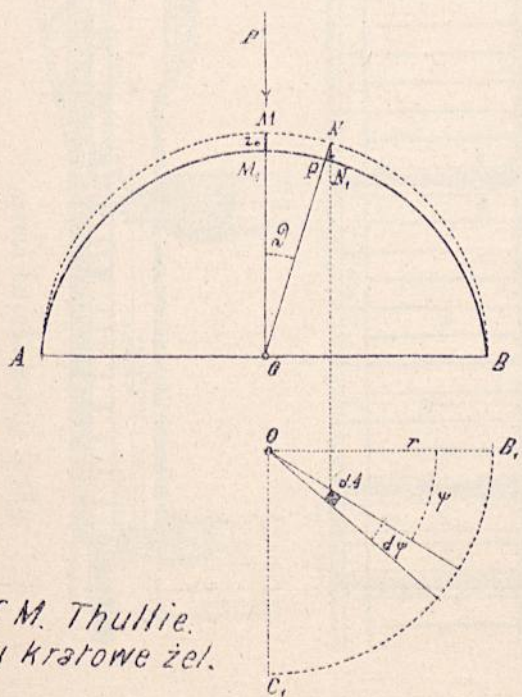


Rys. 2.

wedle Telmajera.



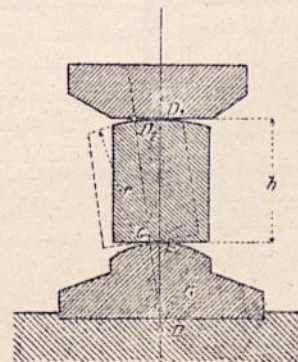
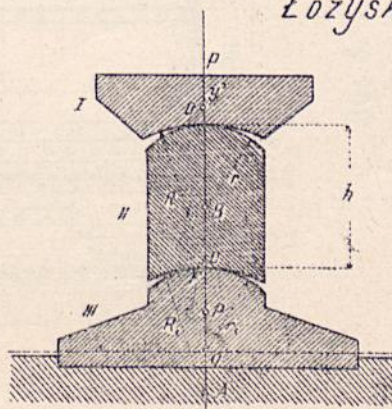
Rys. 3.



Rys. 4.

Łożyska szcudłowe.

Rys. 5.



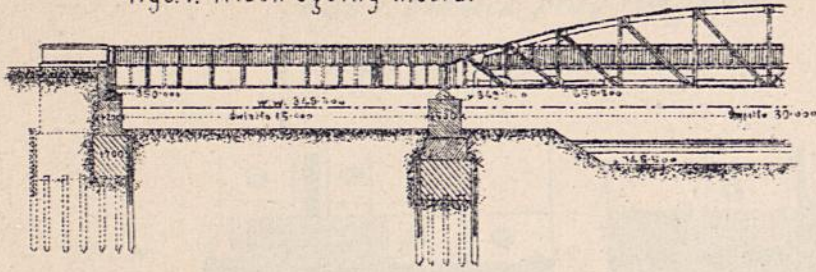
Dr. M. Thullie.  
Mosty kratowe żel.

*Thullie*

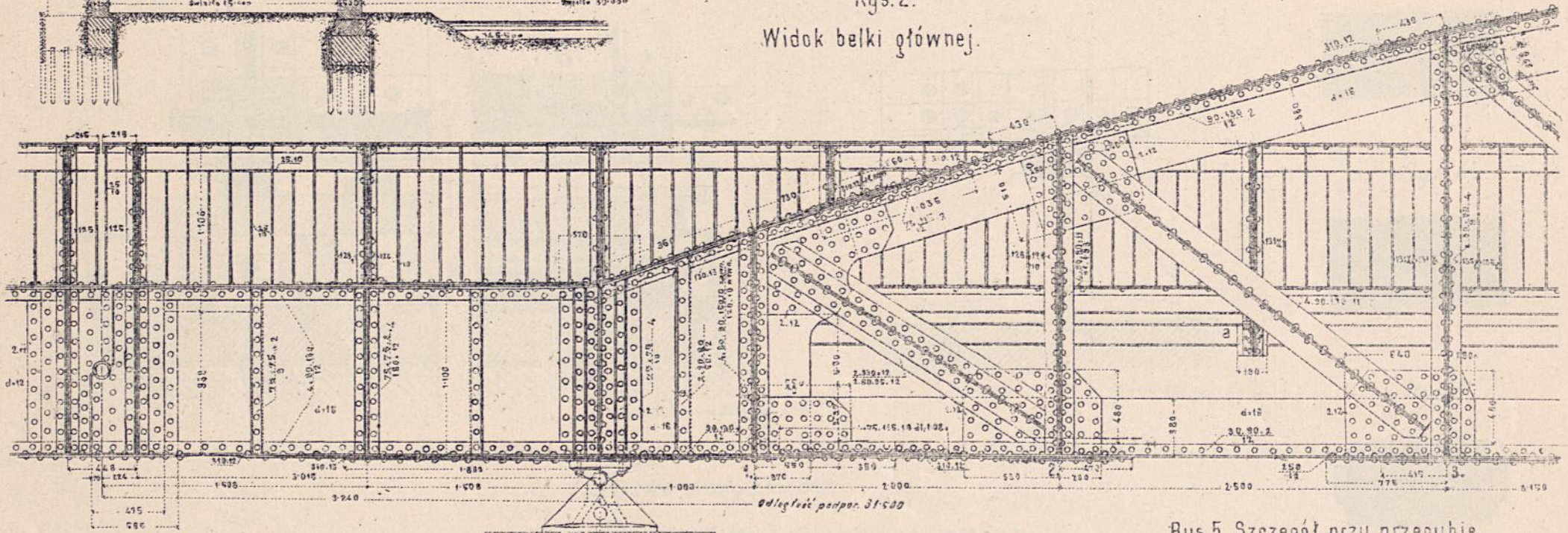


# MOST NA RZECE MATT KOŁO BRAUNAU NAD JNNEM 61.50m.św.

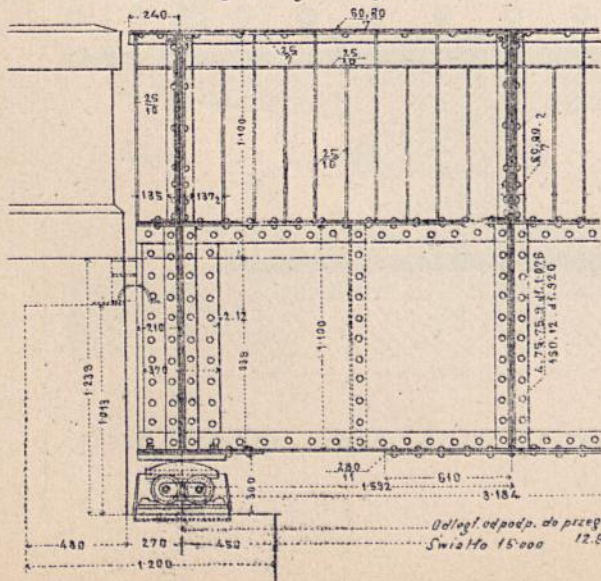
Rys.1. Widok ogólny mostu.



Rys.2. Widok belki głównej.



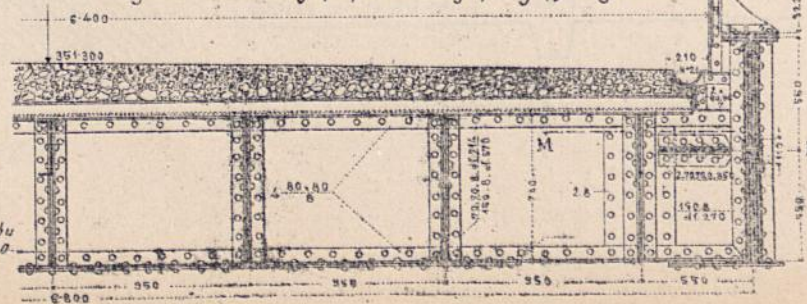
Rys.3. Zakończenie belki głównej przy łożyskach.



Rys.4. Łożysko na przyczółkach



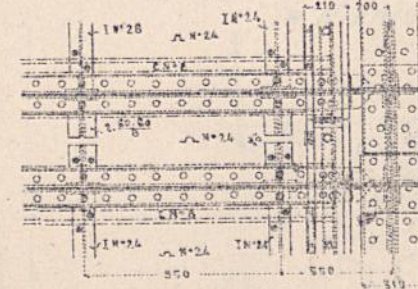
Rys.6. Przekrój poprzeczny przy przegubie.



Rys.5. Szczegół przy przegubie.

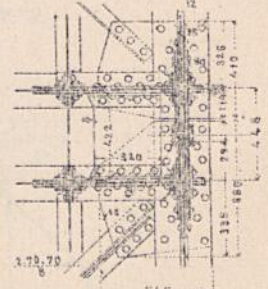
Widok z góry.

[Liniik poziomy opuszczony]



Przekrój MN.

[wrys.6.]



Rys.7. Przekrój podłużny.

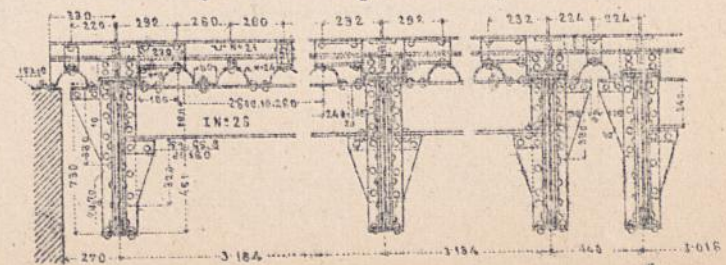
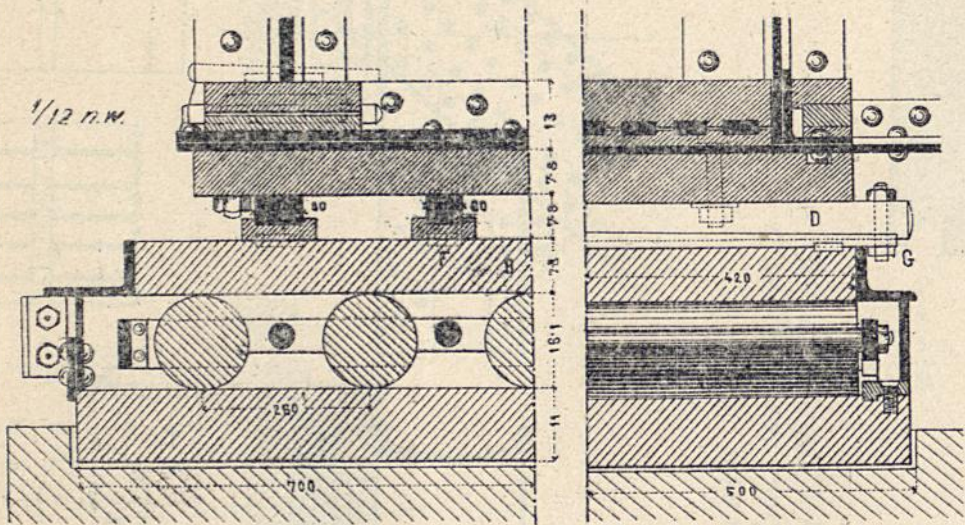


Illustration 3



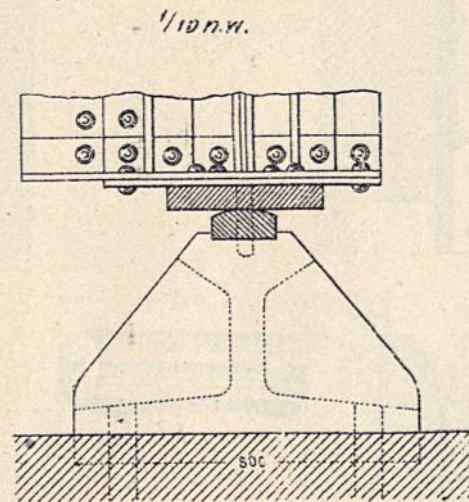
# ŁOŻYSKA.

Rys. 1. Płaszcz przy łożysku.  
Most na Renie w Kolonii



Winkler str. 306 rys. 410.

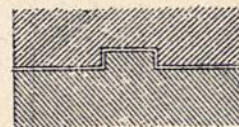
Rys. 2. Łożysko styczne przy moście na Dunaju pod Mariaort.



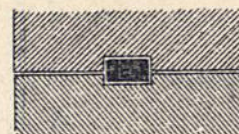
Winkler 293 rys. 20

## Łożyska czopowe.

Rys. 3.



Rys. 4.

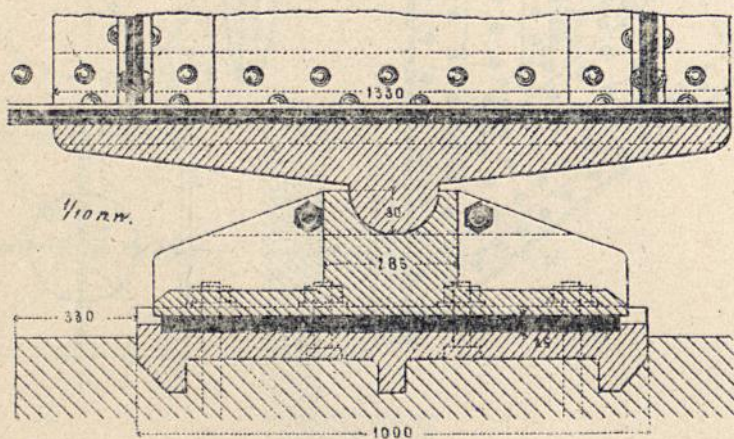


Rys. 5.

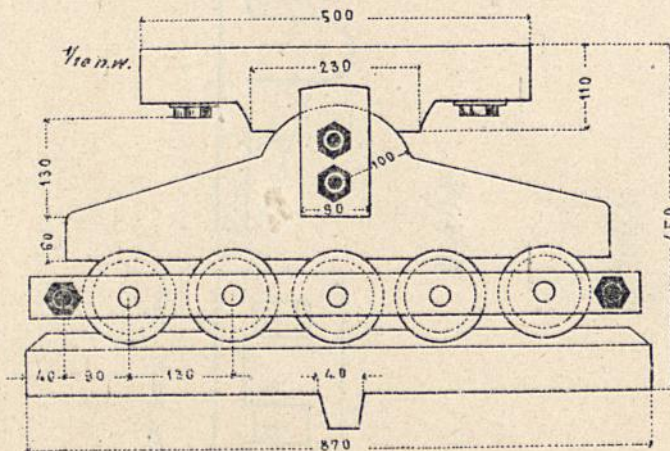


## Łożyska kotyliskowe.

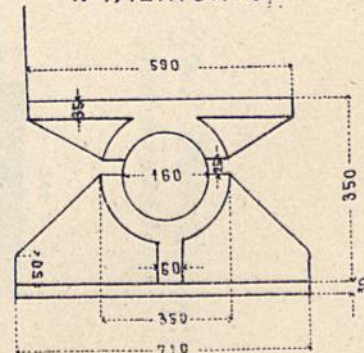
Rys. 6. Most na Renie pod Mannheim.



Rys. 7. Most drogowy nad stacją kolei państwowej w Lwowie.



Rys. 8. Most na Dniestrze w Niżniowie.



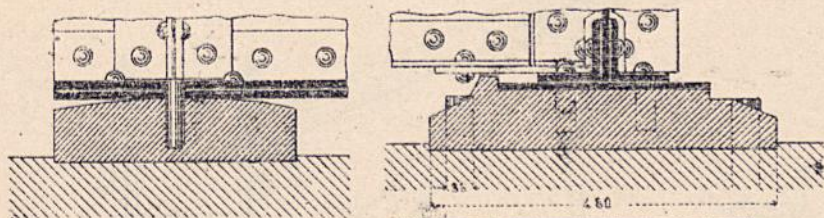
*M. Thullie*



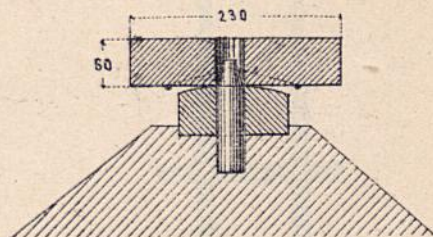


# ŁOŻYSKA.

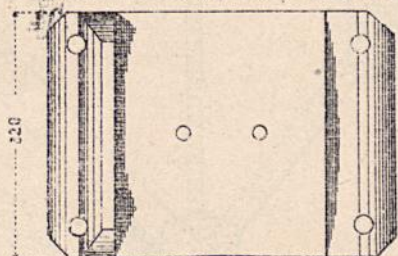
Rys. 1. Most blaszany bawarskich kolei państwowych.  
1/10 n.w.



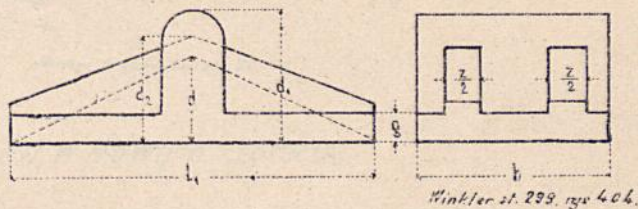
Rys. 2. Most na Lecku pod Kaüfering.  
1/10 n.w.



Rys. 3.



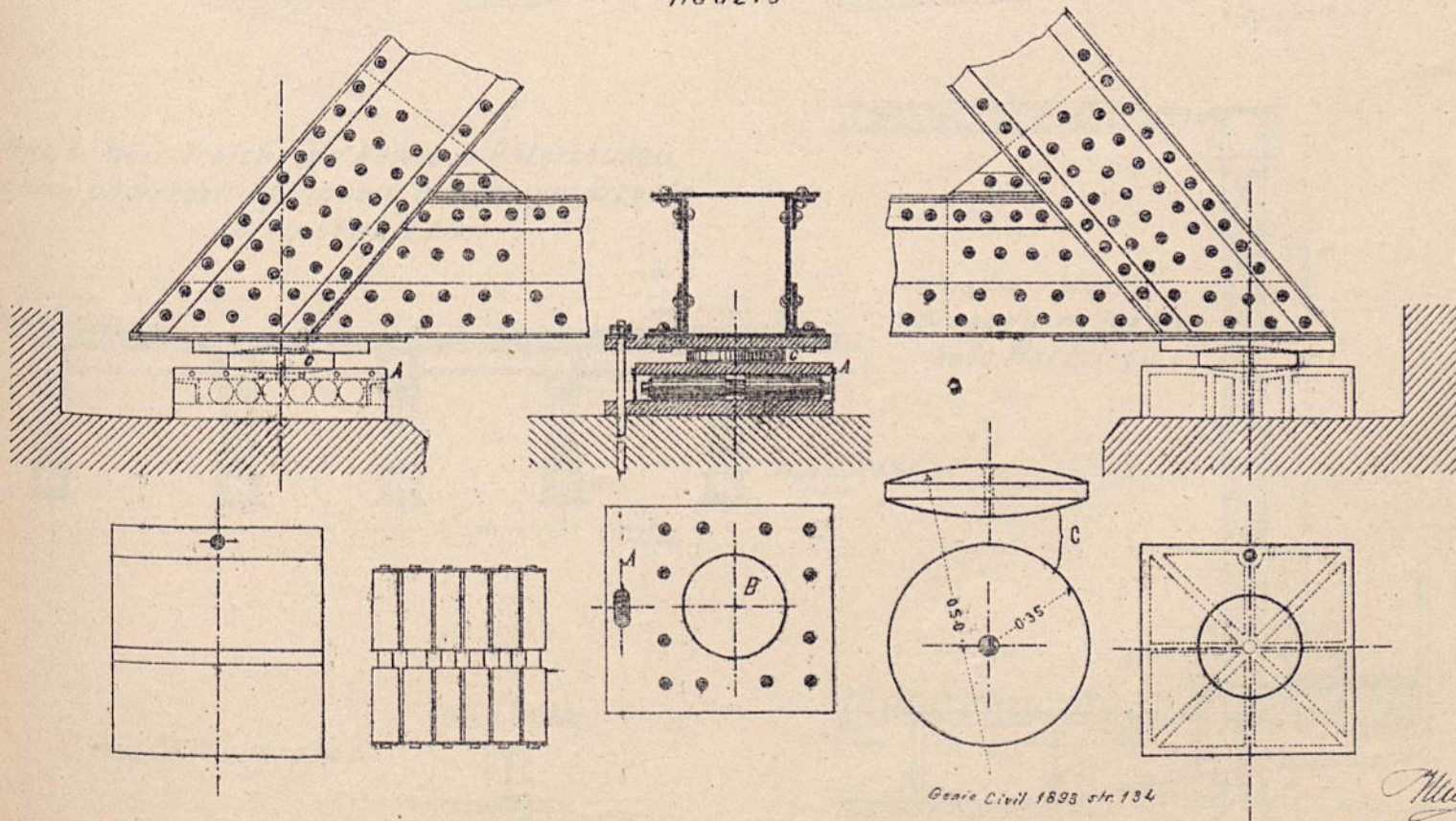
Rys. 4.



Winkler st. 299  
rys. 6.03.

Winkler st. 299, rys. 4.04.

Rys. 5. Łożysko kuliste przy  
moście kolei pacyficznej w Ka-  
nadzie



Genie Civil 1893 str. 134

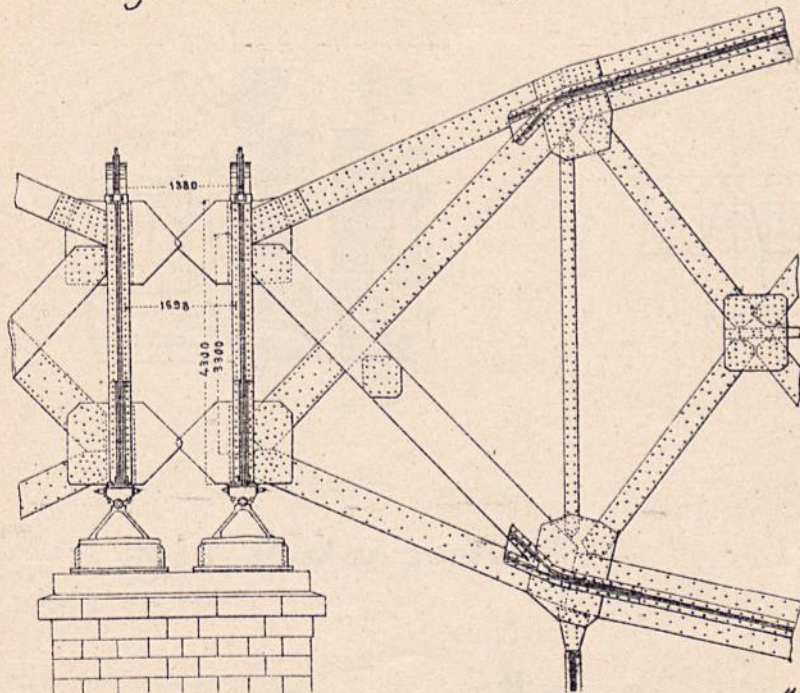
*Thullie*



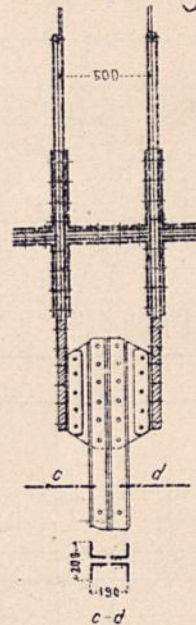
# POPRZECZNICE.

Nowy most na Wiśle koło Tczewa.

Rys. 1. Zakończenie belki.

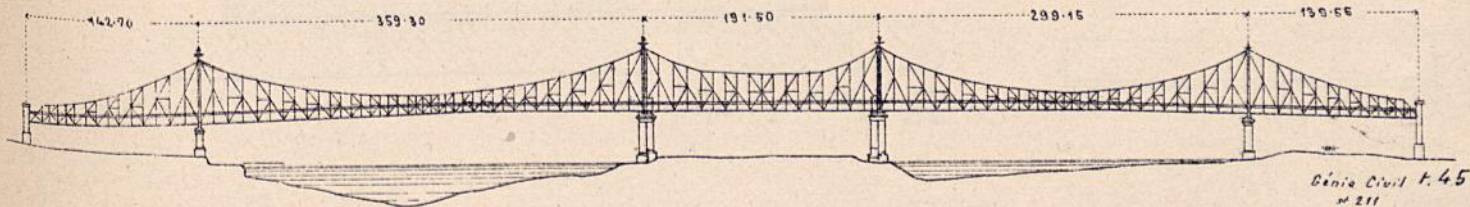


Rys. 1a. Przekrój pasu dolnego z zawieszonym pomostem.



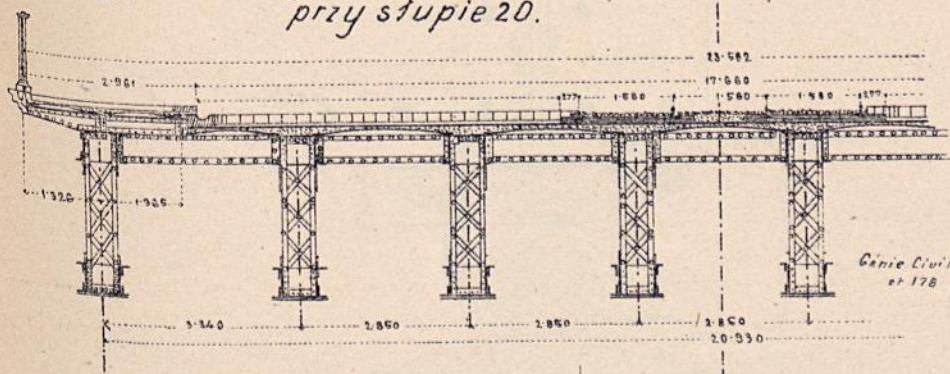
Mechanik Brückenbau z. 1. 66.

Rys. 2. Widok mostu na wyspie Blackwell w Nowym Yorku.



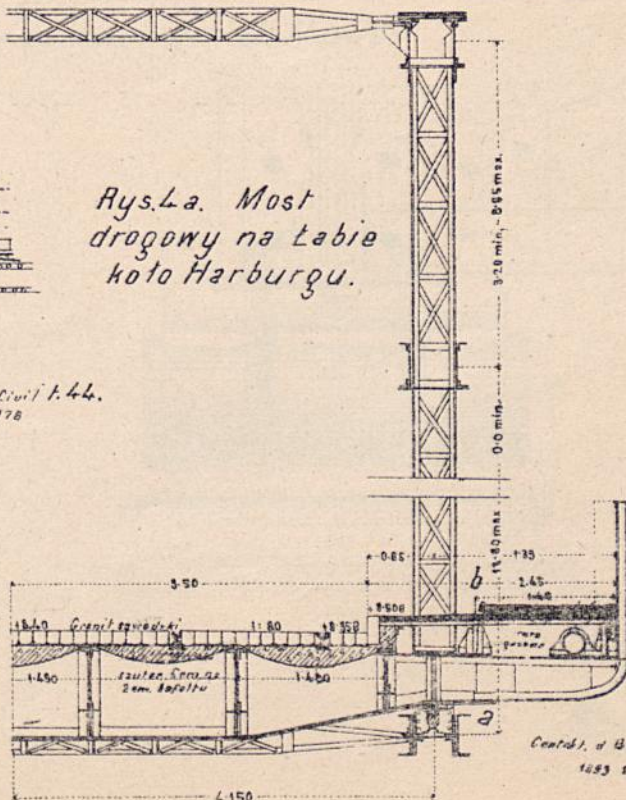
Genie Civil t. 45  
nr 211

Rys. 3. Most Troicki na Newie w Petersburgu.  
Przekrój poprzeczny pomostu wielkiego przęsta przy słupie 20.



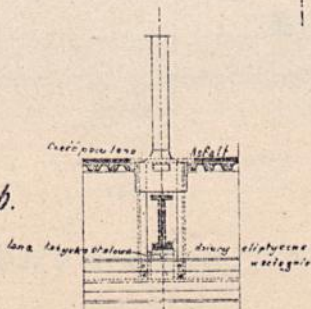
Genie Civil t. 44.  
nr 178

Rys. 4a. Most drogowy na Łabie koło Harburgu.



Centbl. d. Bauverwaltung  
1893 Nr. 479.

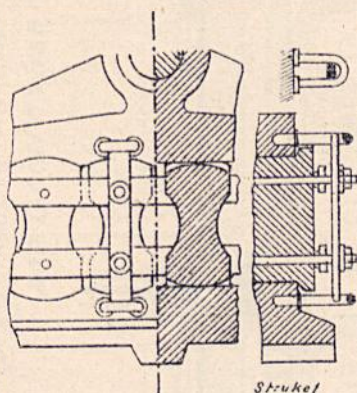
Rys. 4b. Przekrój a b.



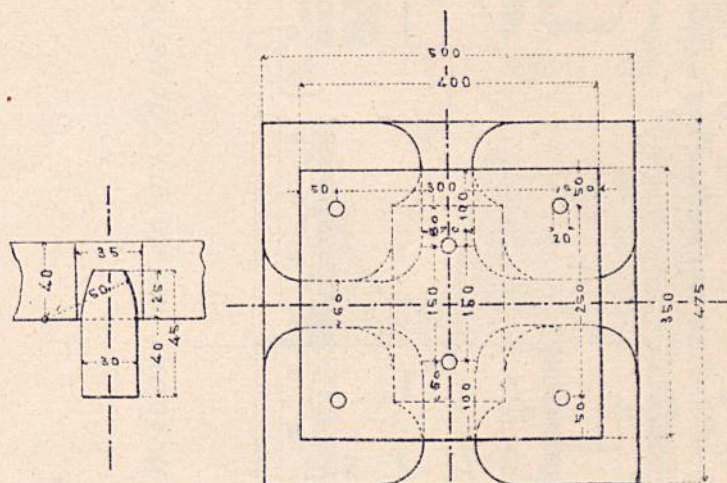


# ŁOŻYSKA.

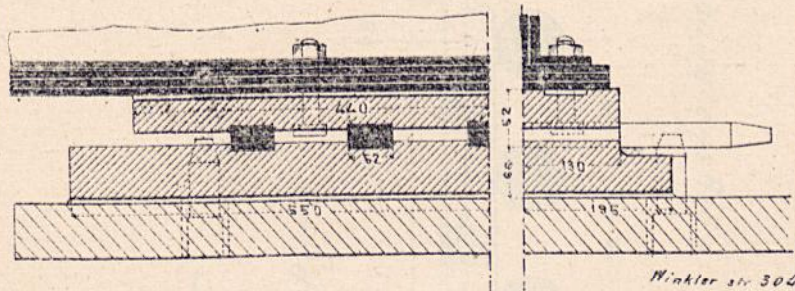
Rys. 1.  
Most na Ulea-Elf  
pod Uleaburg.



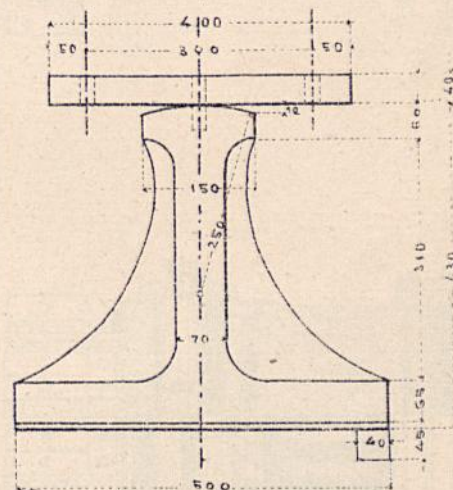
Rys. 2. Łożysko styczne przy moście na Charente.



Rys. 3. Most na rzece Dill.

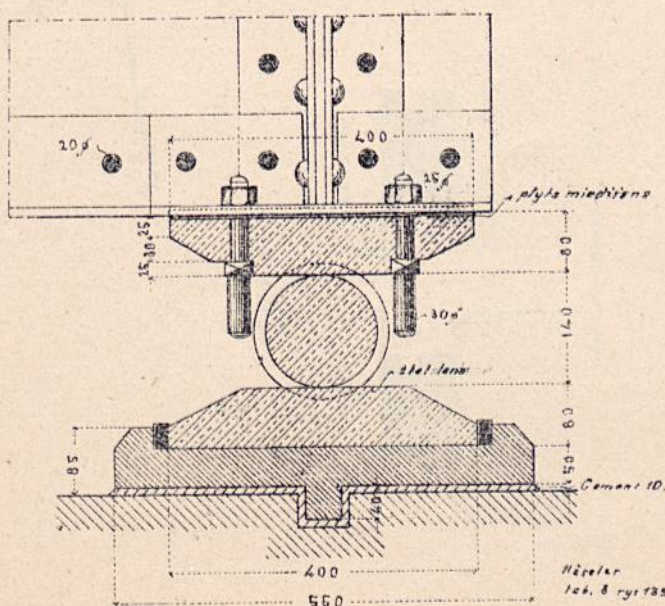


Winkler str. 304  
rys. 407.

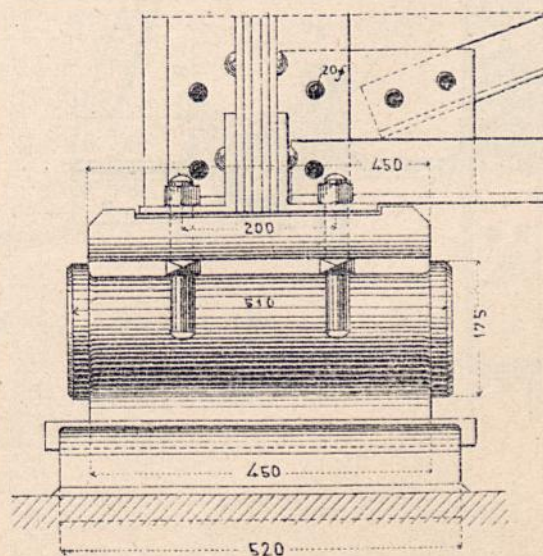


Annales des Ponts et Chaussées  
1891 tab. 50.

Rys. 4. Miejska kolej w Berlinie.  
Most nad drogą w parku zamkowym Bellevue.



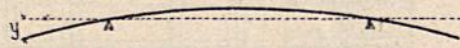
Häcker  
tab. 8 rys. 139



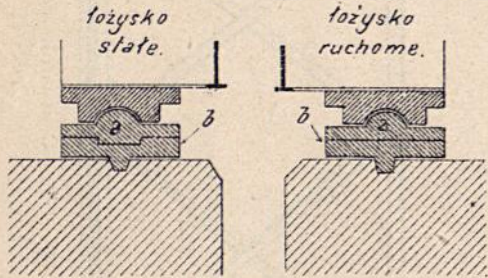
Heise Per. tab. 110. rys. 139a.



Rys. 1.

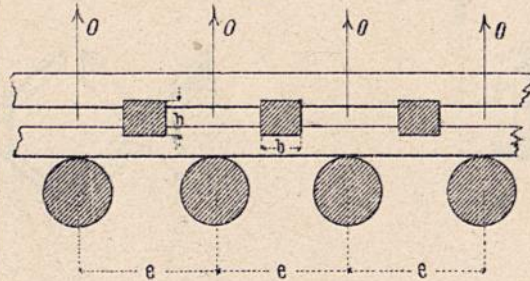


Rys. 2.

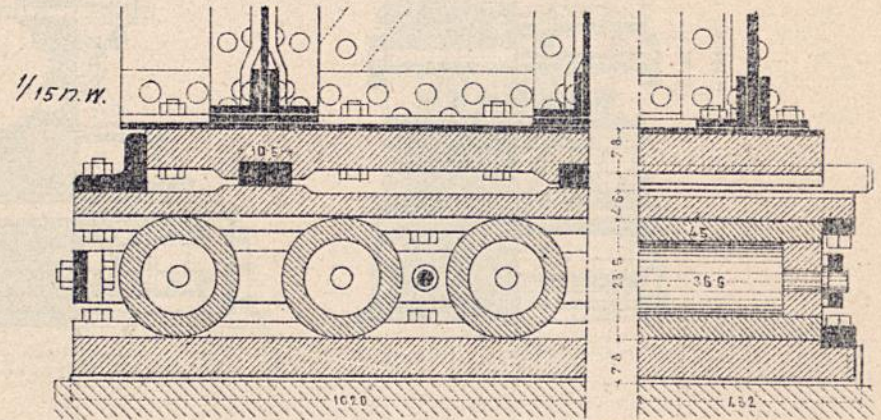


Centr. der. Bauverw. 1891 st. 163.

Rys. 3.



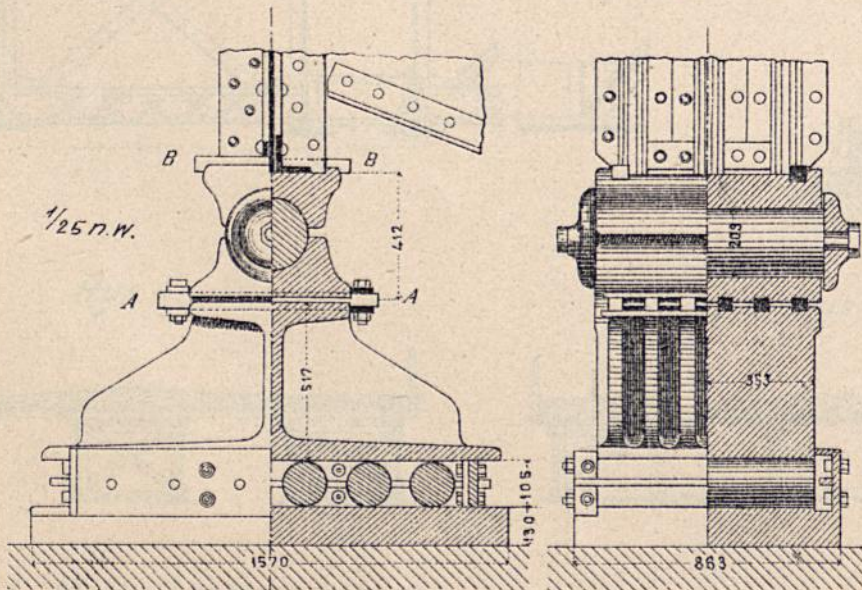
Rys. 4. Łożysko klinowe przy moście na starym Renie pod Griethausen.



Winkler, str. 304, rys. 408

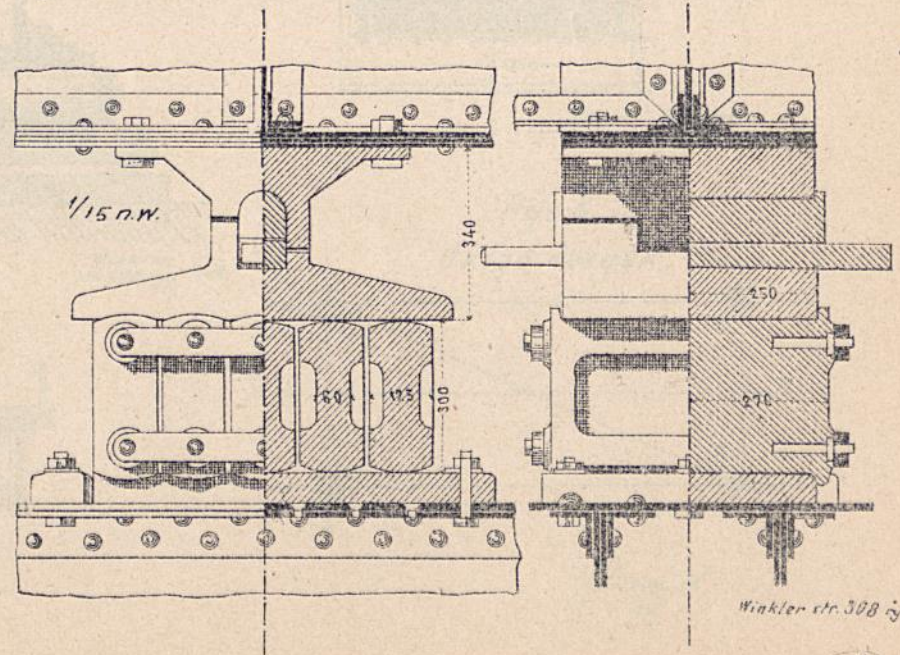
Łożyska klinowe kotyskowe.

Rys. 5. Most na Łabie pod Hamburgiem.



Winkler, str. 280, rys. 367.

Rys. 6. Wiadukt nad doliną Thouet obok Tours.



Winkler, str. 308, rys. 413.

D&M. Thullie. Mosty kratowe żelazne.

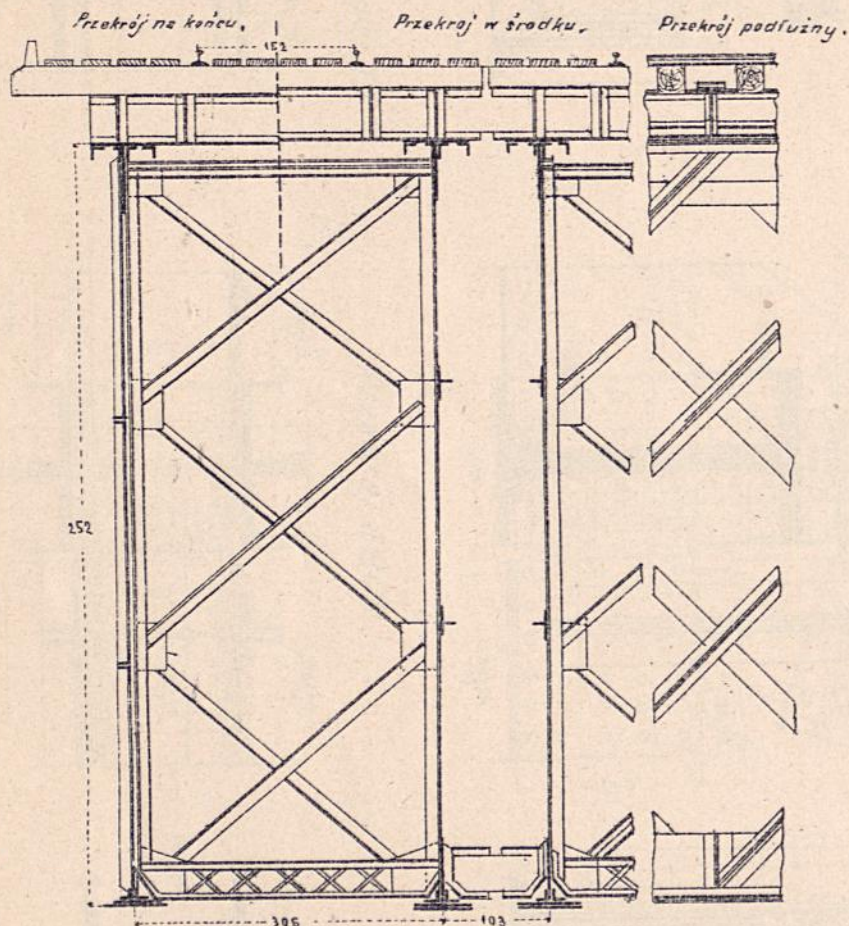
*Winkler*



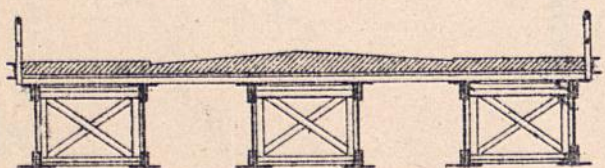


# ŁOŻYSKA I TĘŻNIKI POPRZECZNE.

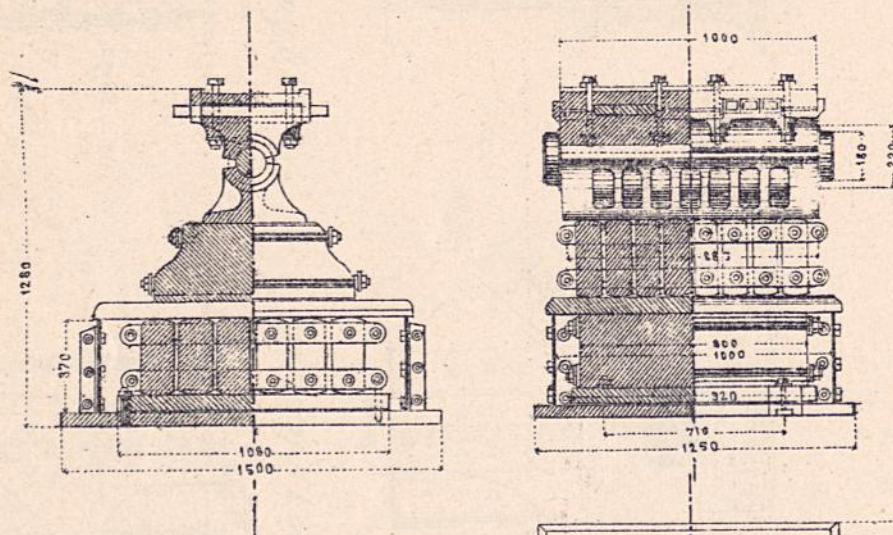
Rys. 1. Most na Moście kolei mikołajowskiej.



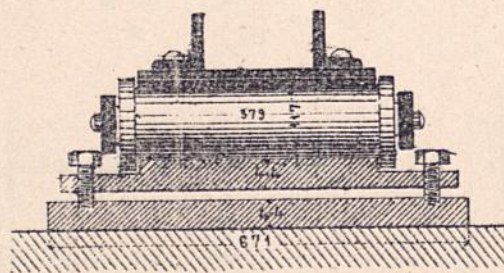
Rys. 4.



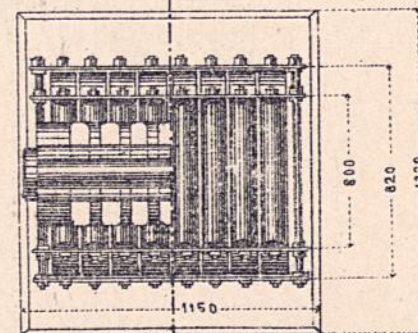
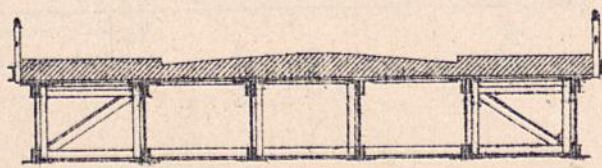
Rys. 2. Łożysko dla przesunięcia w dwu poprzecznych kierunkach przy nowym moście na Wiśle pod Tczewem.



Rys. 3. Łożysko śrubowe przy moście na Isarze pod Plattling.

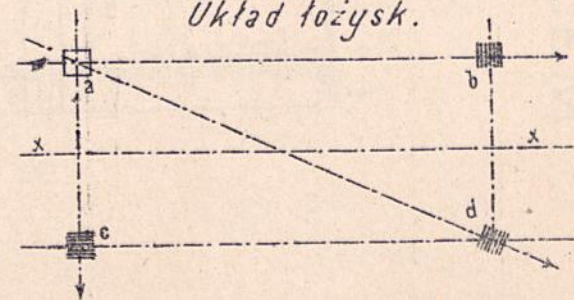


Rys. 5.



Zeitsch. f. Bauwesen  
1895. Jhr. 34.

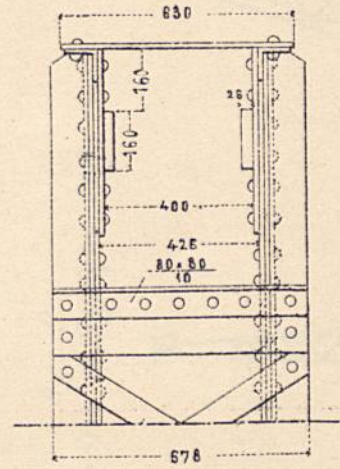
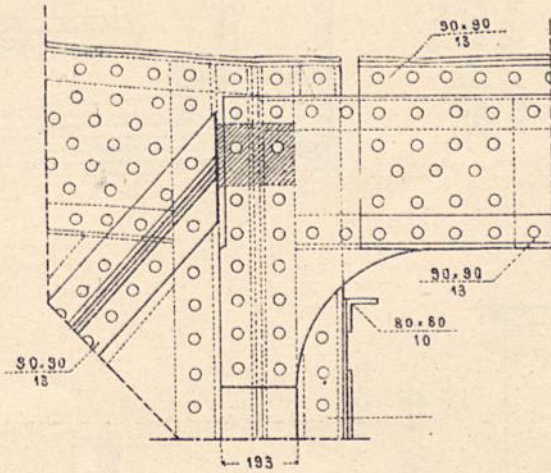
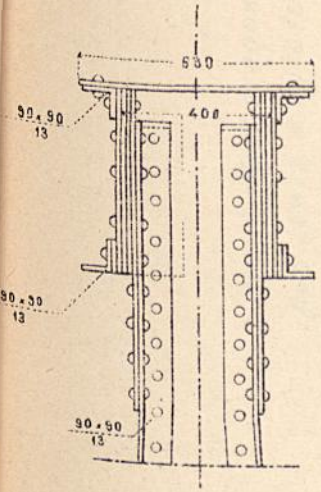
Rys. 6.  
Układ łożysk.



M. Thullie

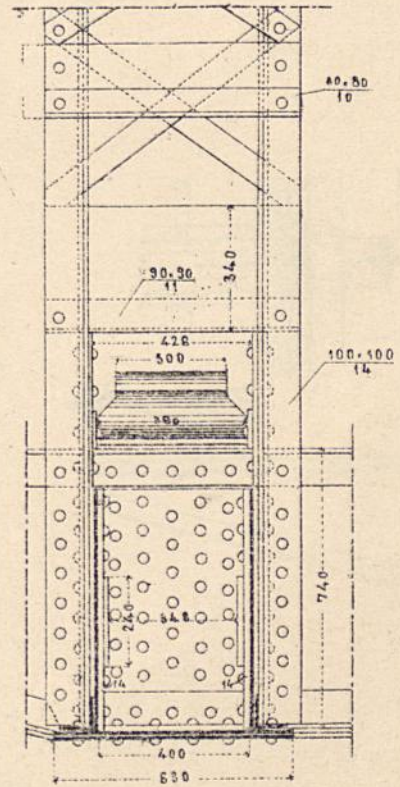
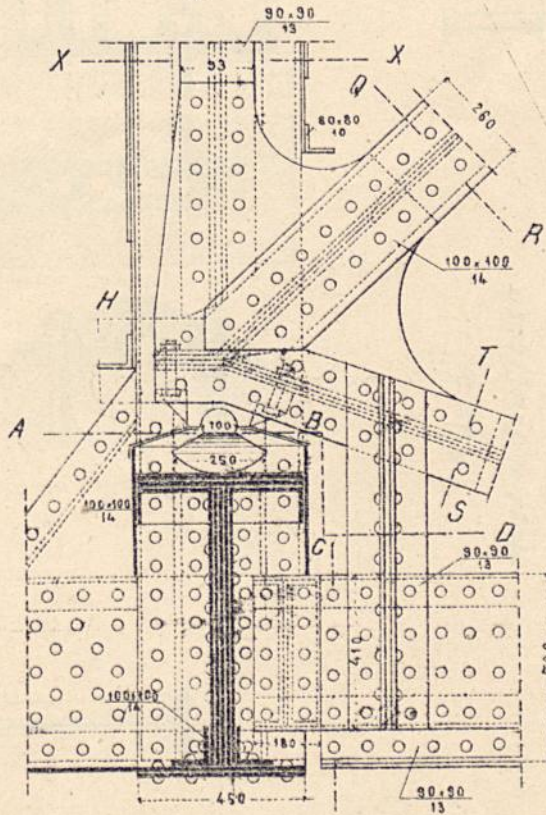
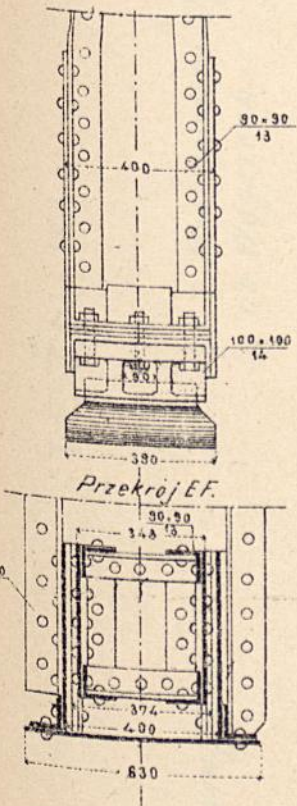


# PRZEGUB PRZY MOCIE NAD DWORCEM W DREŹNIE.



Widok boczny G.H.

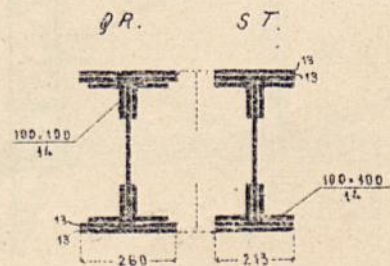
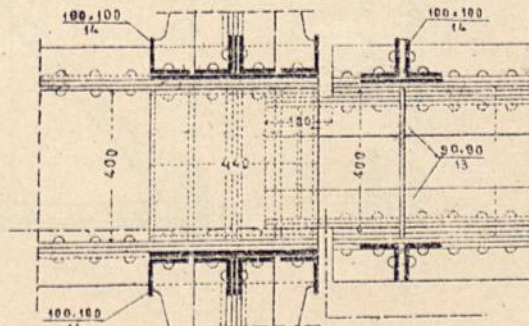
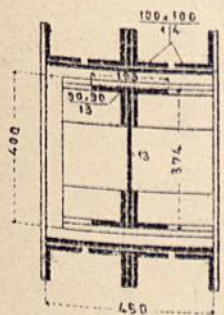
Przekrój KLMN.



Przekrój XX.

Przekrój ABCD.

Przekroje



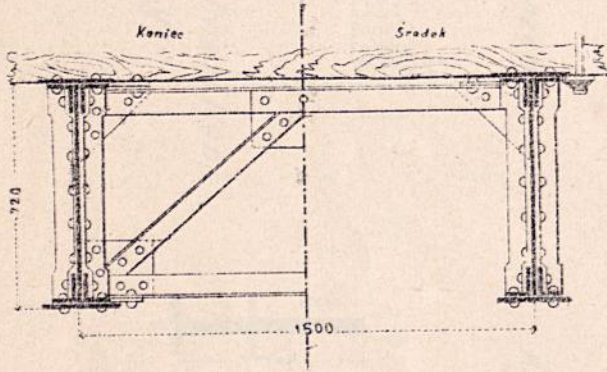
Patent. Mosty żelazne  
Ilom. str. 178.

*Thullie*

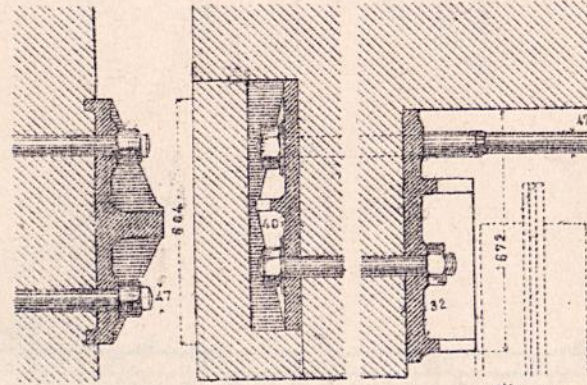


# TEŻNIKI.

Rys. 1. Most blaszany baw. Kolei państw.

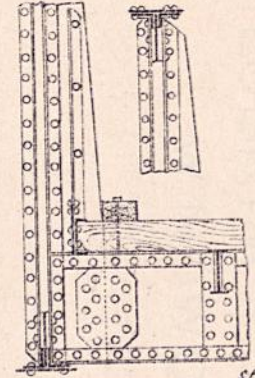


Rys. 2. Most na rzece Jpoli na Węgrzech.



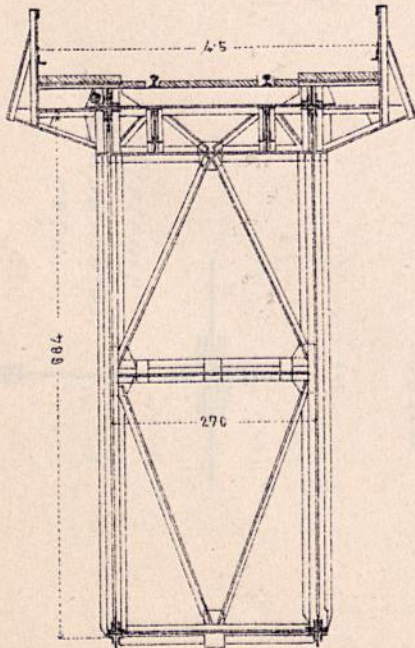
Winkler 268 r. 311.

Rys. 3. Most drogowy pod Lawis w Tyrolu.

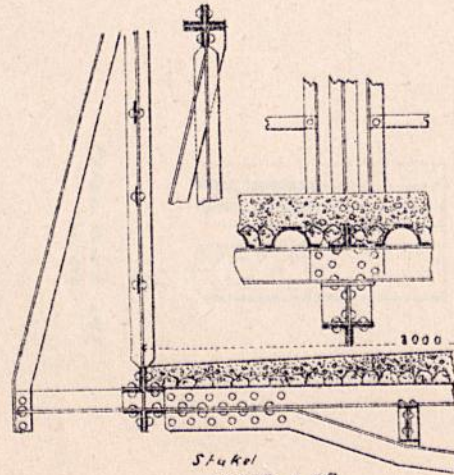


Struhal  
r. 17. c. 8

Rys. 4. Most na Lecku pod Kaufering.

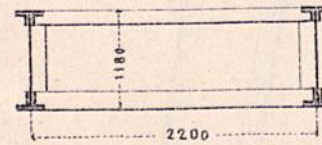


Rys. 5. Most w Souticich Czechy.



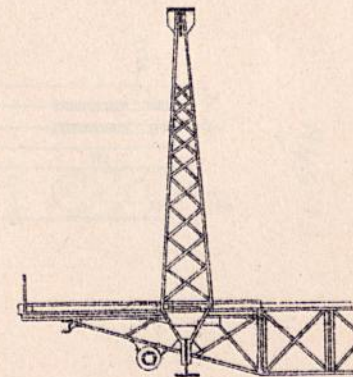
Struhal  
r. 17. c. 15.

Rys. 6.

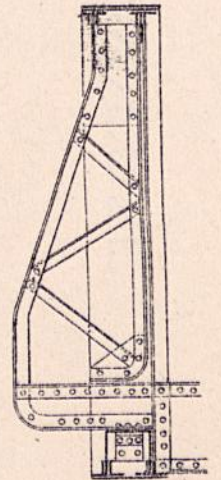


Rys. 8. Most Wiktoryi nad Irwing

Rys. 9. Most na Brdzie w Bydgoszczy.



Struhal  
r. 17. c. 11.



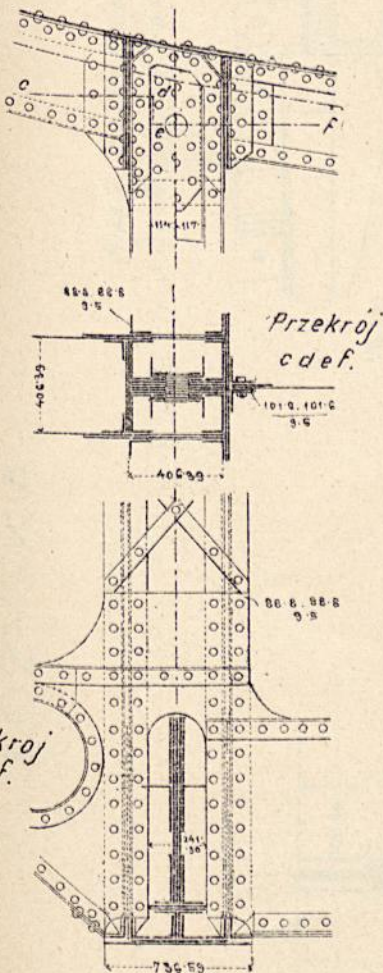
Struhal  
r. 17. c. 14

Włocławski

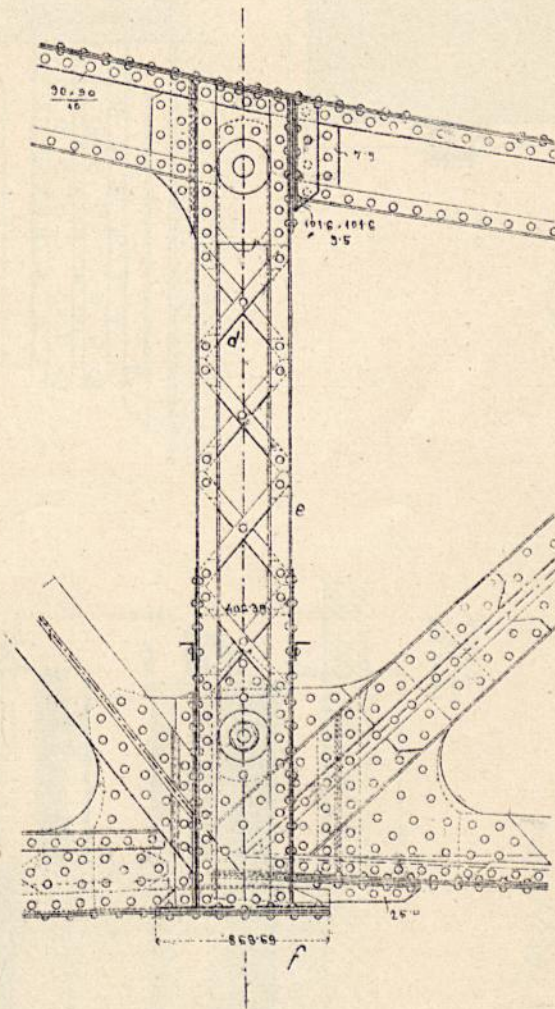


# RYS. 1. PRZEGUB PRZY MIEJSKIM MOŚCIE NA WÓLDZE W NOWOGRODZIE.

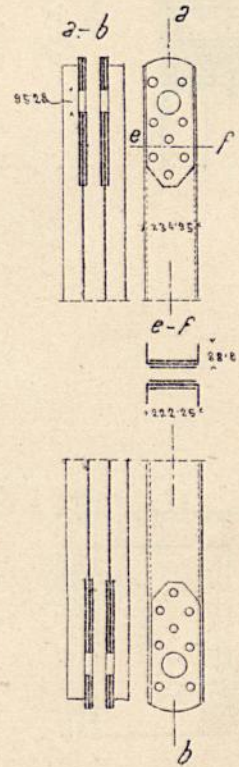
Rys. 1a.



Rys. 1b.

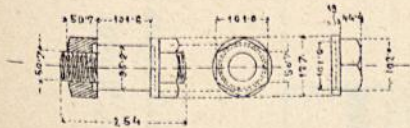


Rys. 1c.

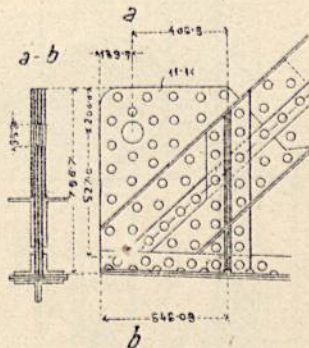


Paton tom II, s. 187  
rys. 196.

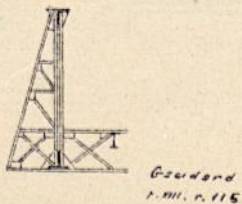
Rys. 1d. Sworzeń.



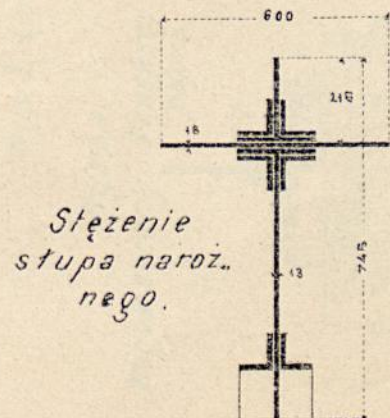
Rys. 1e.



Rys. 3. Most w Chatillons  
w Szwajcaryi.



Rys. 2.  
Wiadukt na Jzławie  
pod Jwanczycami,  
1/20 n.w.



Stężenie  
stupa naroż-  
nego.

Winkler  
s. 268  
n. 309

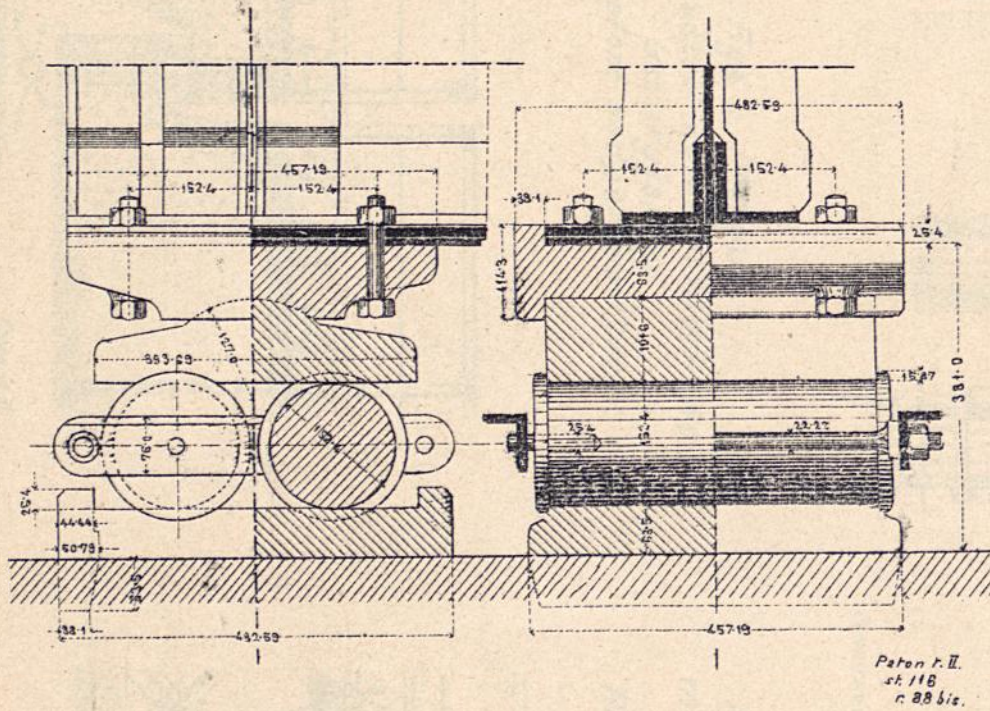
*M. M. M.*



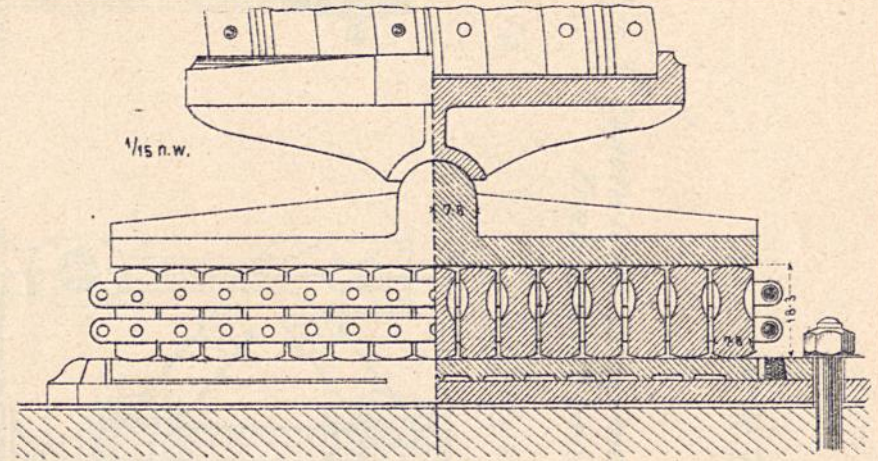


# ŁOŻYSKA.

Rys. 1. Most kolei  
Moskiewsko-Jarostawskiej.



Rys. 2. Łożysko przy moście  
na Weserze koło Corvey.



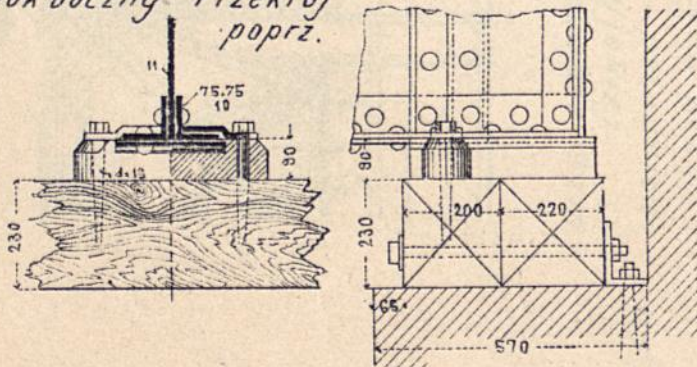
Rys. 3. Łożysko stałe rosyjskie.

Rys. 3b.  
Widok.

Rys. 3c.  
Rzut poziomy.

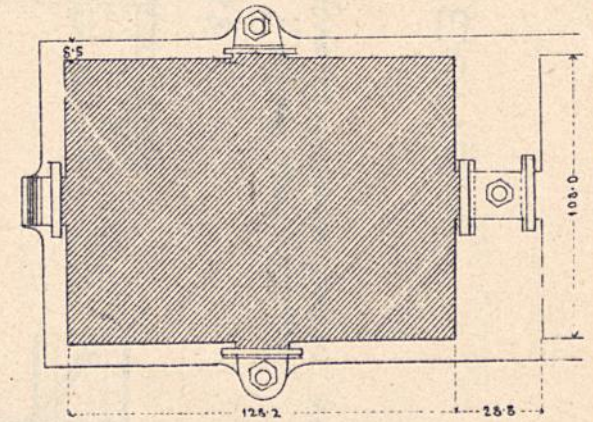
Rys. 3a.

Widok boczny Przekrój  
poprz.

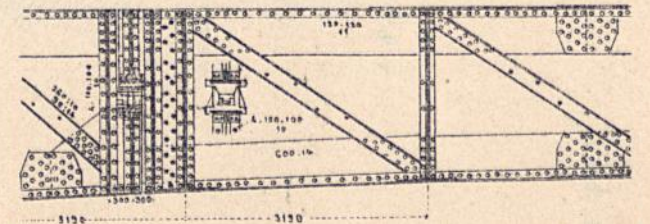


1:25  
n.w.

Winkler.  
str. 259. n. 308.



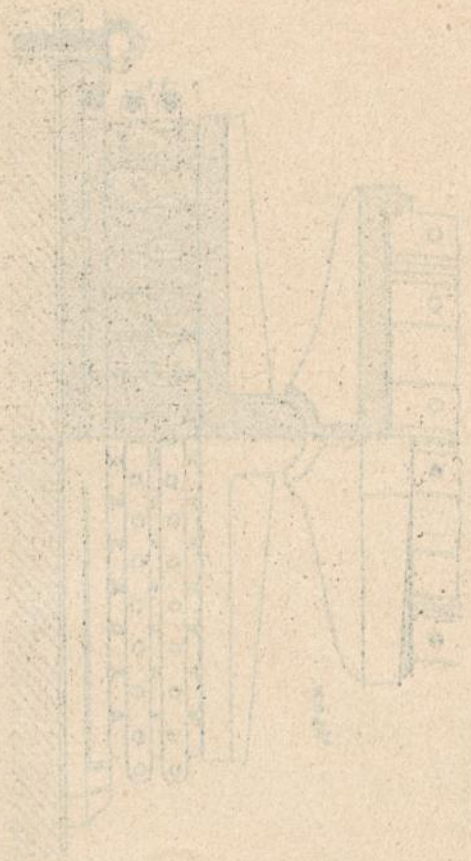
Rys. 4. Przegub mostu  
na Nilu w Kairze.



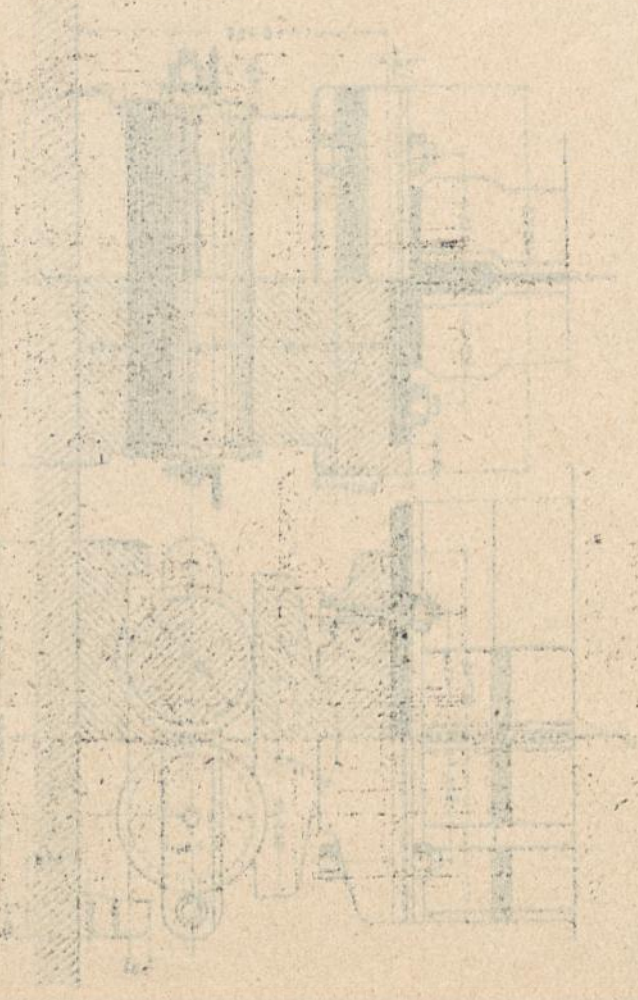
Zeitsch. d. öst. Ing. u. Arch. Vereines 1905  
N° 21, Tab. XVII. rys. 5



Καθίσματα για ομαδικό έργο  
με κλίση 10% προς τα δεξιά

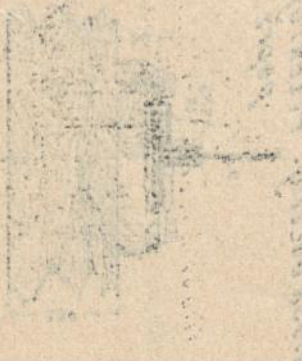
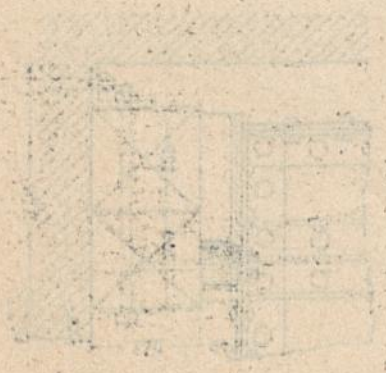


Καθίσματα για ομαδικό έργο  
με κλίση 10% προς τα δεξιά



Πίνακας για ομαδικό έργο  
με κλίση 10% προς τα δεξιά

Πίνακας για ομαδικό έργο  
με κλίση 10% προς τα δεξιά

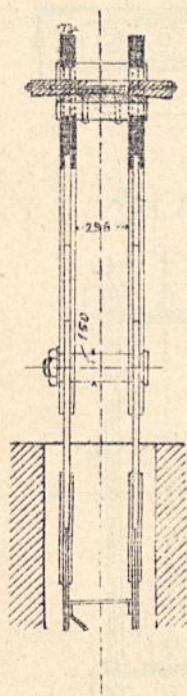


Πίνακας για ομαδικό έργο  
με κλίση 10% προς τα δεξιά

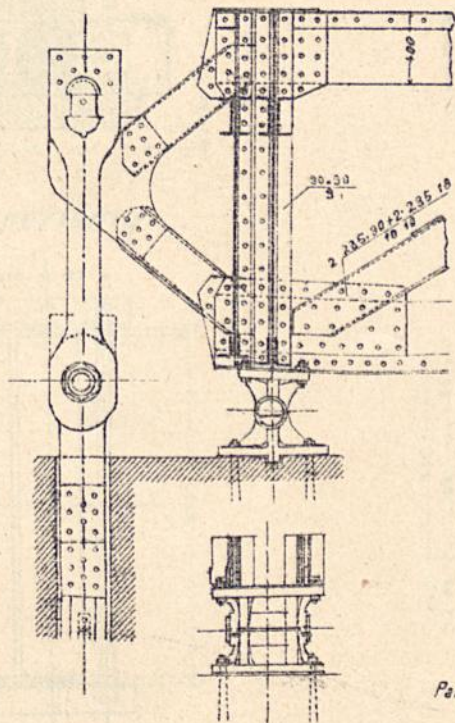
# PRZEGUBY.

Rys. 1. Zakotwienie przy moście miejskim przez kanat Łaba -  
-Trawa w Lubece [Burghorbrücke].

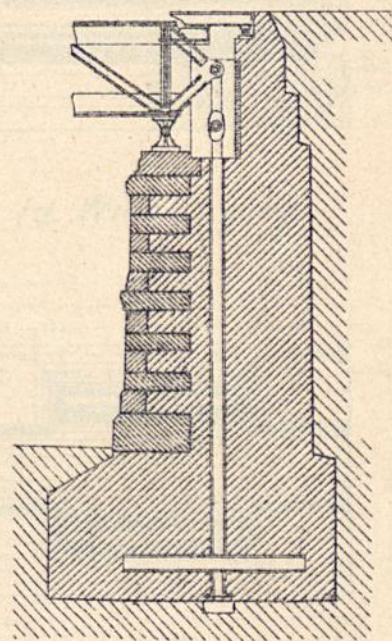
Rys. 1a.



Rys. 1b.

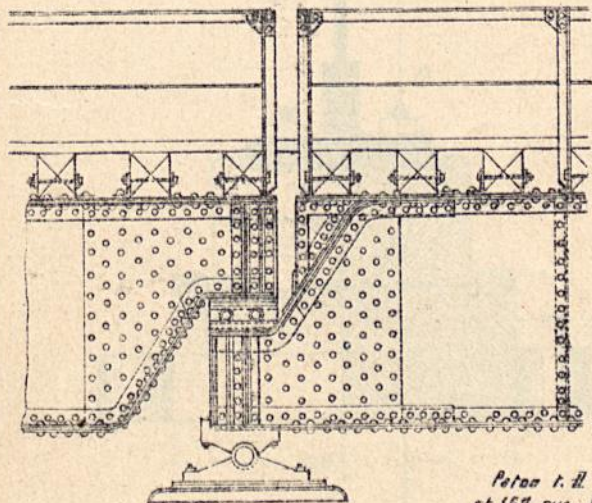


Rys. 1c.



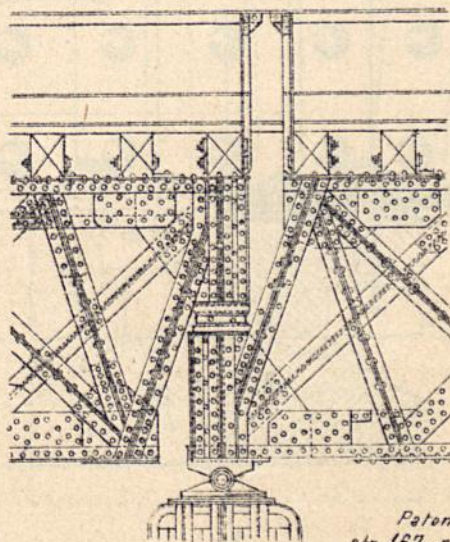
Patent tom II. str. 215. rys. 207.

Rys. 2. Przegub  
przy moście kolei południowo-  
-Ussuryjskiej  
Rozpiętość podparowa 1280m.



Patent I. II.  
str. 169 rys. 156.

Rys. 3. Przegub przy  
moście kolei południowo  
Ussuryjskiej.  
Rozpiętość podpor. 192m.



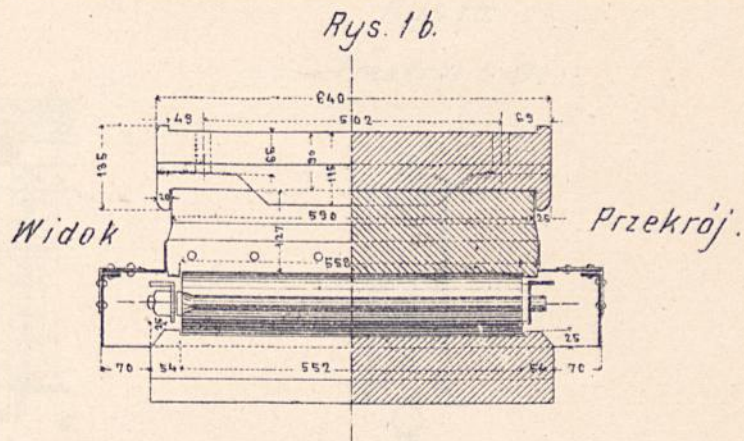
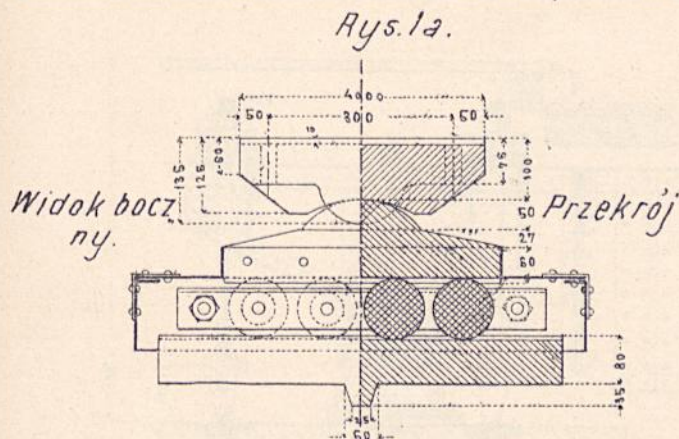
Patent  
str. 167. rys. 155.

*Murawski*

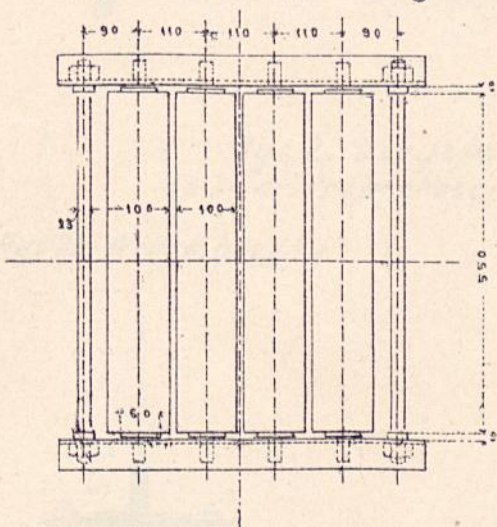


# ŁOŻYSKA.

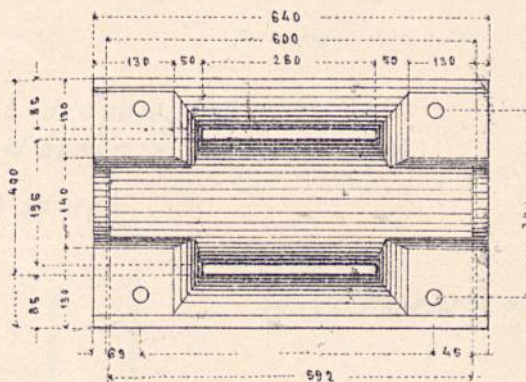
Rys. 1. Łożysko przy moście kolei wschodnio chińskiej  
Rozpiętość podporowa 3200 m.



Rys. 1c. Rzut poziomy.

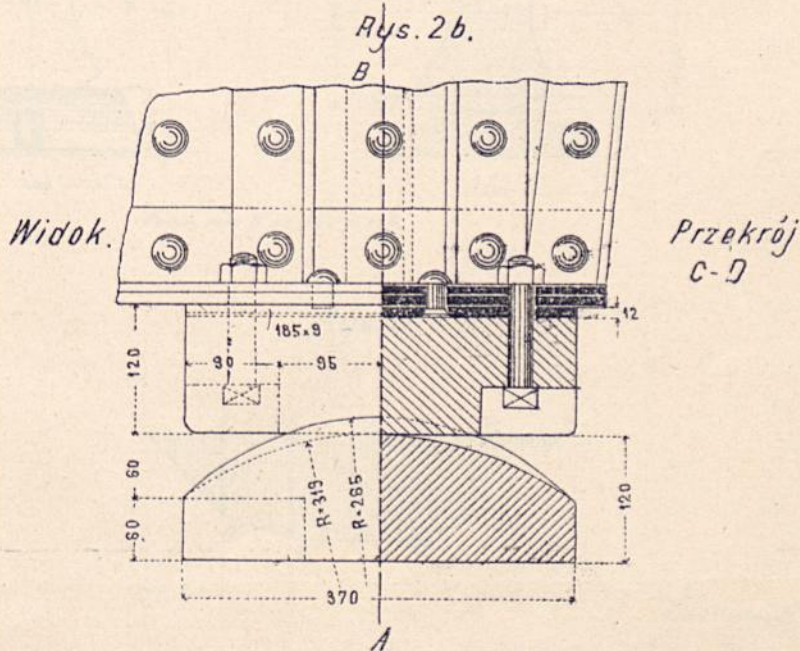
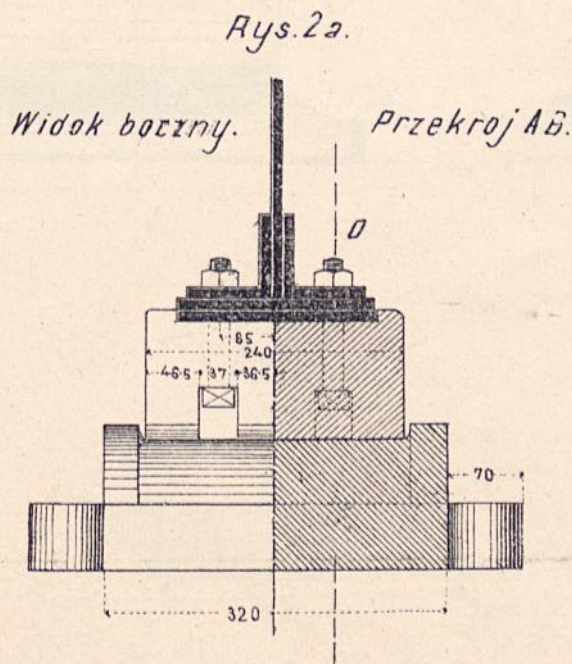


Rys. 1d. Widok z góry.



Patent. P. M.  
nr. 83. r. 44.

Rys. 2. Łożysko przegibne rosyjskie przy mostach kolei  
połudn.- zachodnich i zaniemeńskich.



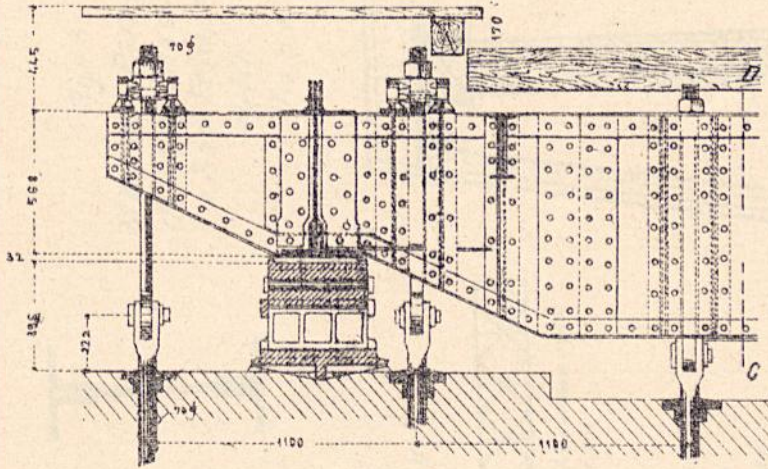
Patent. P. M. nr. 74 r. 35.



# ŁOŻYSKA.

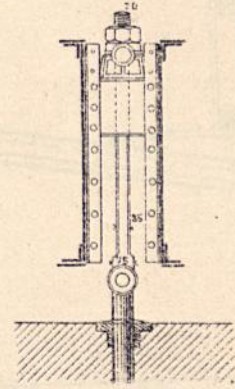
Rys. 1. Zakotwienie przy moście na Wezerze w Hammelnie.

Rys. 1a.



Rys 1b.

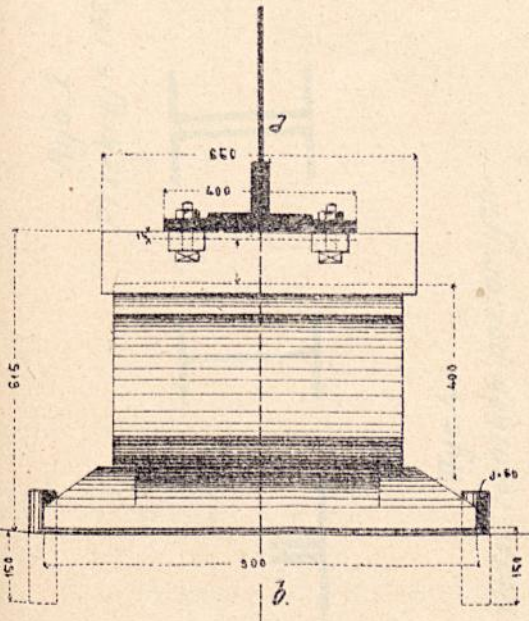
Przekrój C-D.



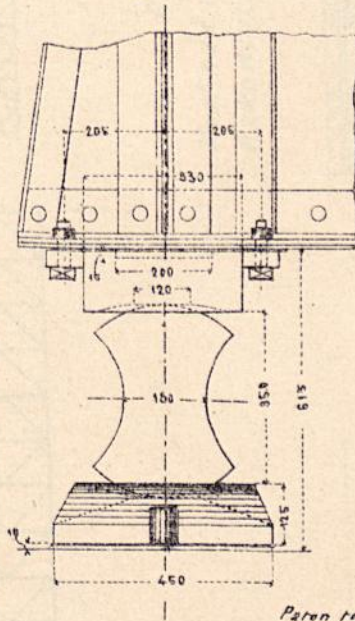
Patent tom II, str. 214 r. 208.

Rys. 2. Łożysko przy moście drogowym 53-34 m. rozpiętości na Zuszycie w Szejnie tulskiej gub.

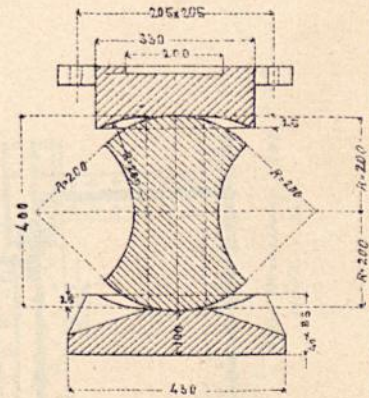
Rys 2a. Widok boczny



Rys 2b. Widok.

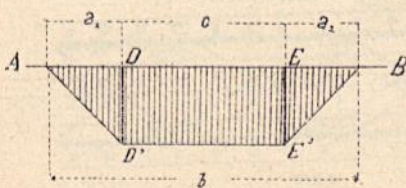


Rys 2c. Przekrój a-b.

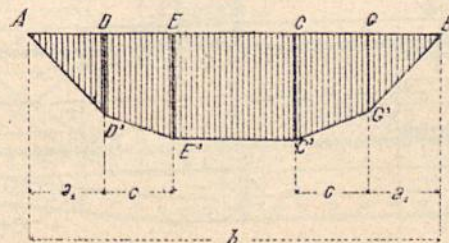


Patent tom II str. 142 r. 114.

Rys. 3.



Rys. 4.



*M. Thullie*





# TEŻNIKI.

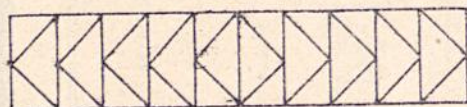
Rys. 1.  
Most na Salicy między  
Oberndorfa Laufen.

Rys. 2.  
Przekroje rozpór.



Rys. 3.  
Most nad Paraguassa  
między Chachocirą  
a Sao-Felix w Bra-  
zylji.  
1/15 n.w.

Rys. 4.  
Układ teźników poziomych.

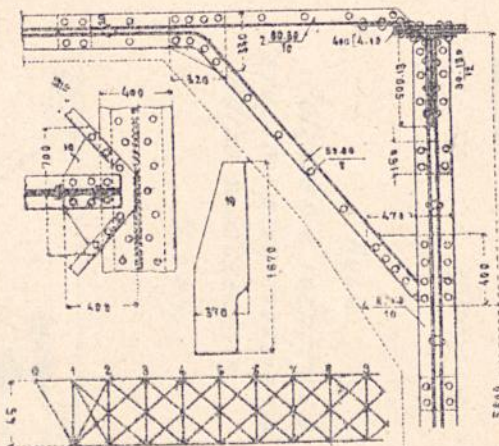


Rys. 5.  
Kładka cesarska  
w Oberschöneweide.

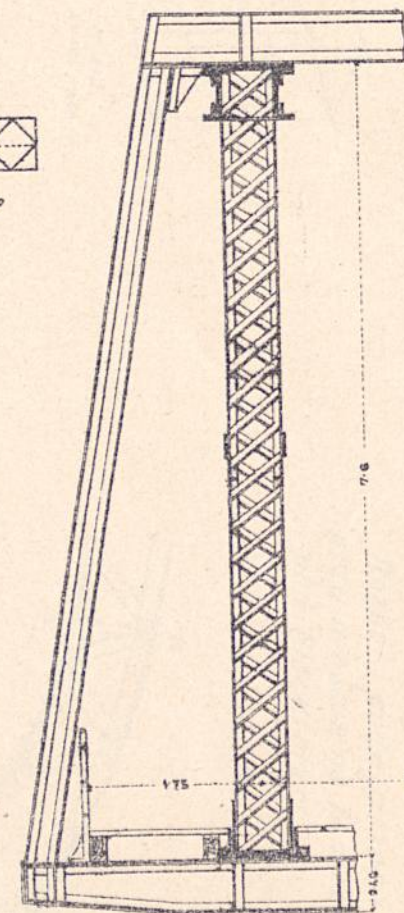


Zeits. f. Bauwesen 1900  
nr. 74.

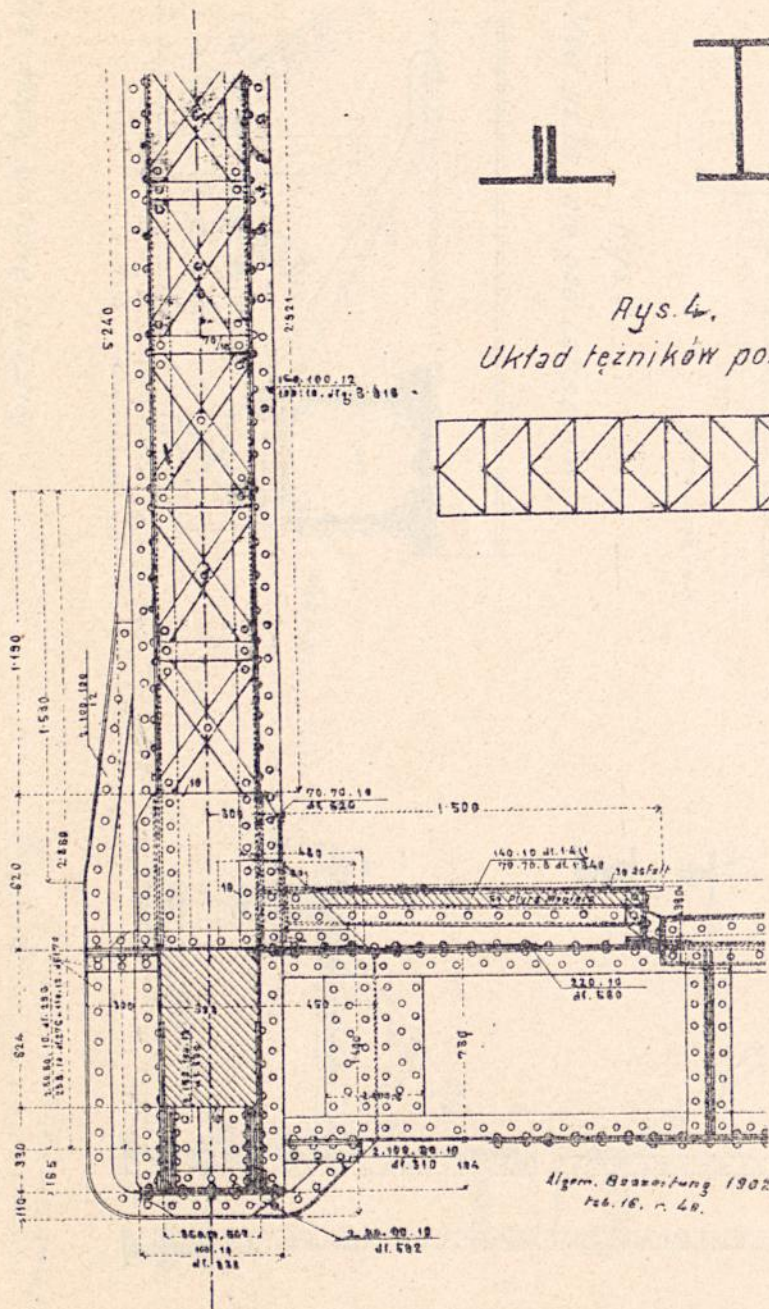
Rys. 6.  
Most na Litawce na drodze  
Rakownicko-Protiwinskij.



Keiplich  
nr. 386, n. 513.



Minkler  
nr. 271 n. 316.



Allgem. Bauzeitung 1902,  
Feb. 16, n. 48.



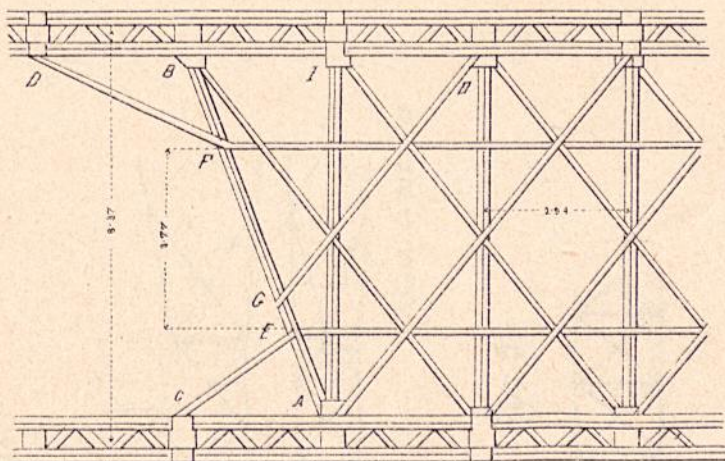




# TEŻNIKI.

Rys. 1.

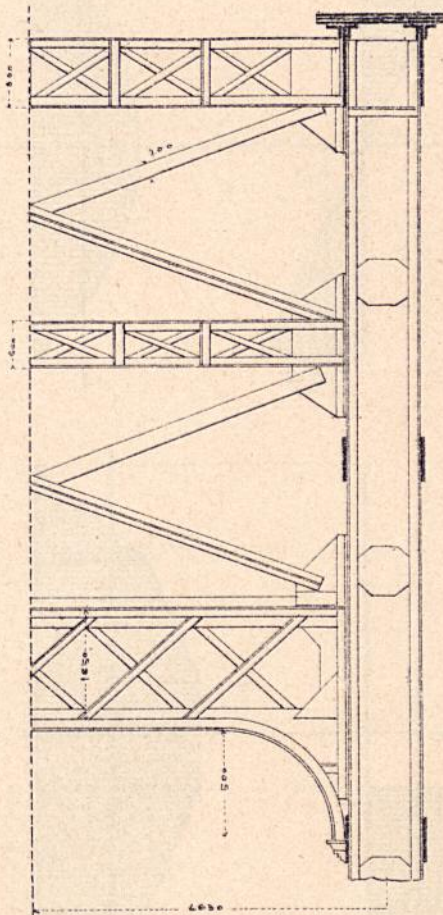
Most na Wezerze pod Corvey. 1/150 n.w.



Winkler  
st. 292, n. 354.

Rys. 2.

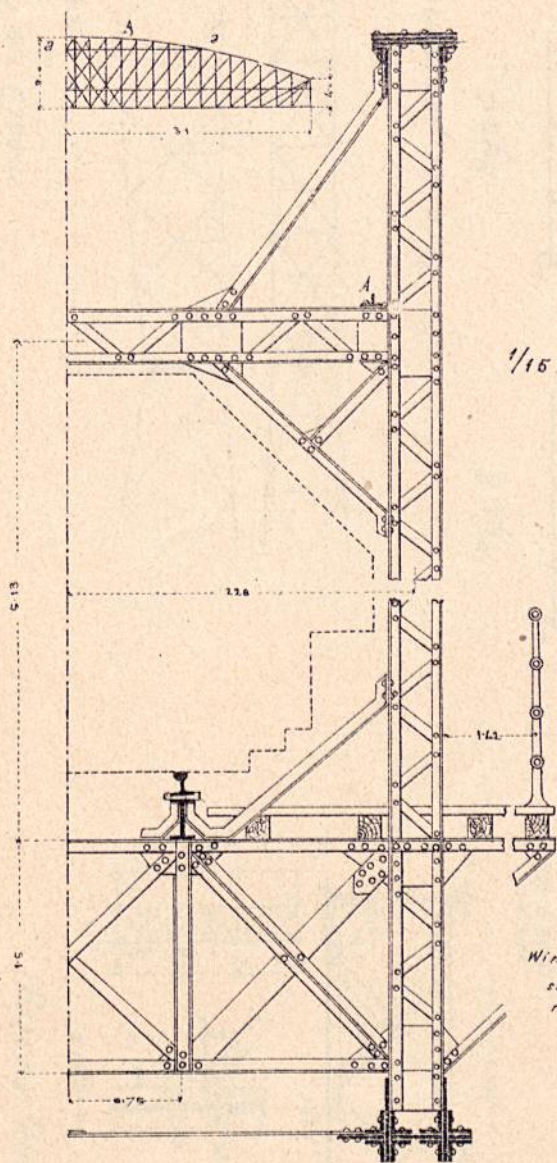
Most na Lecku pod Kuilenburgiem.



Winkler  
st. 278, n. 331

Rys. 3.

Most na Minnesund koło Minny w Norwegii.



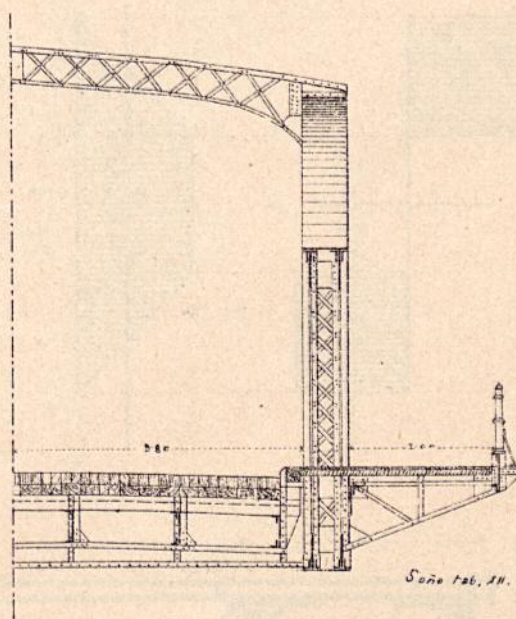
1/15 n.w.

Winkler  
st. 288  
n. 341.

1/100  
n. w.

Rys. 4.

Most nad dworcem Elzbiety w Wiedniu.



Sone tab. 11.

*Thullie*  
3







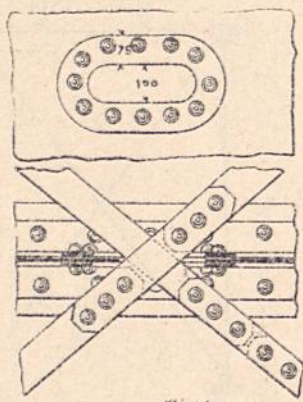






# TEŻNIKI.

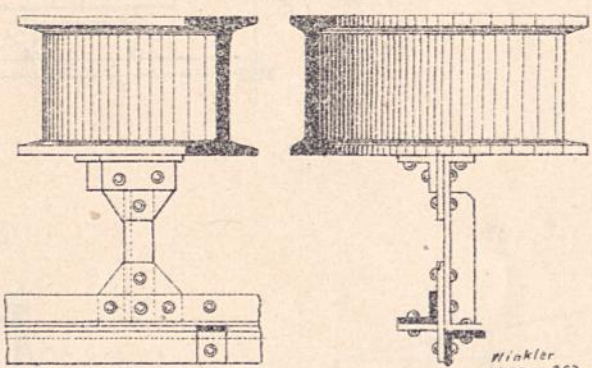
Rys. 1.  
Most na Elbie pod  
Niederwartha.



1/25  
n. w.

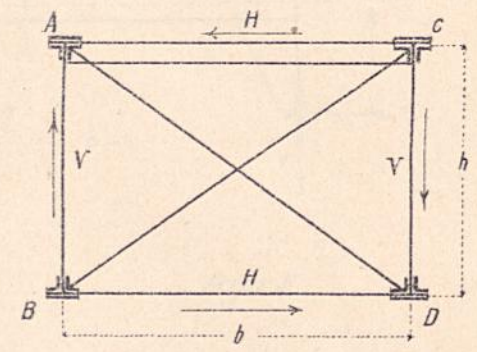
Winkler  
zł. 306 n. 381.

Rys. 2.  
Most drogowy na Menie  
pod Wertheim.



Winkler  
zł. 307. n. 383

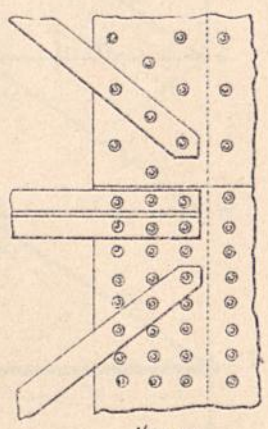
Rys. 3.



Sily zewnętrzne  
działające na teźniki poprzeczne.

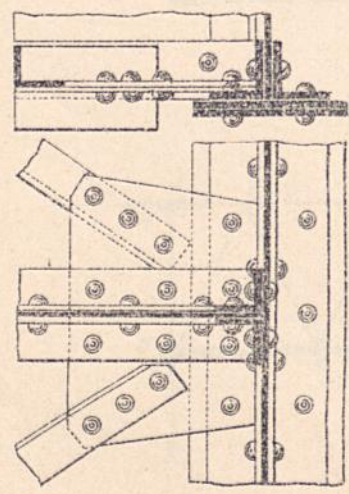
Połączenie teźników poziomych z belkami.

Rys. 4.  
Most na Innie  
w Passawie.



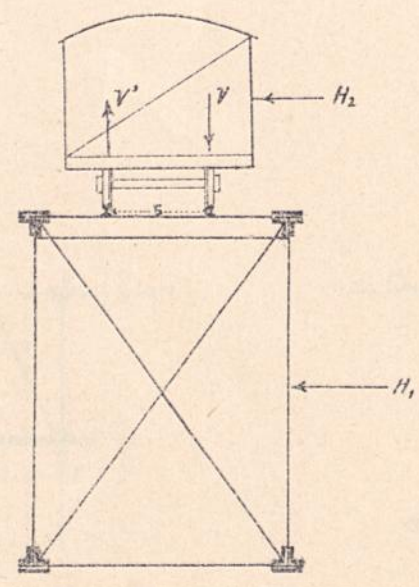
1/40 n. w.

Rys. 5.

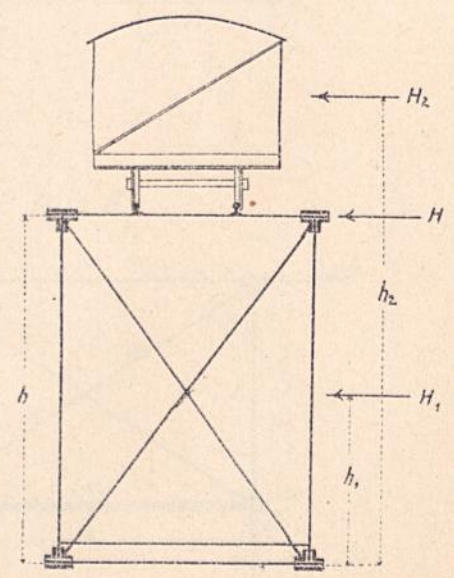


1/10 n. w.

Rys. 6.

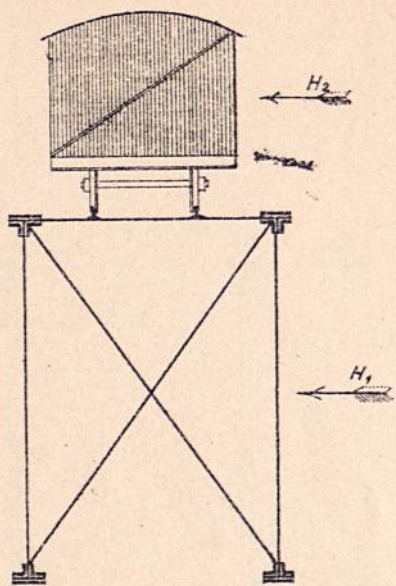


Rys. 7.

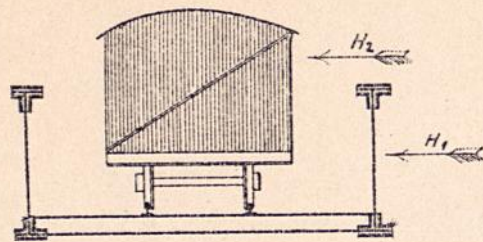




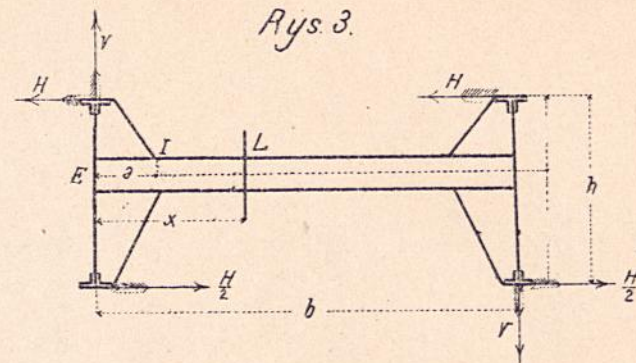
Rys. 1.



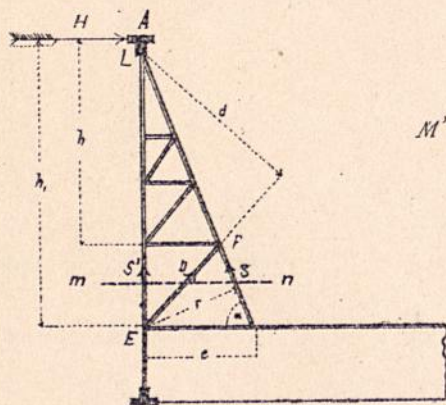
Rys. 2.



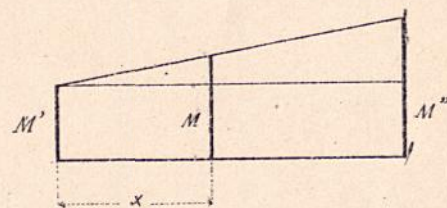
Rys. 3.



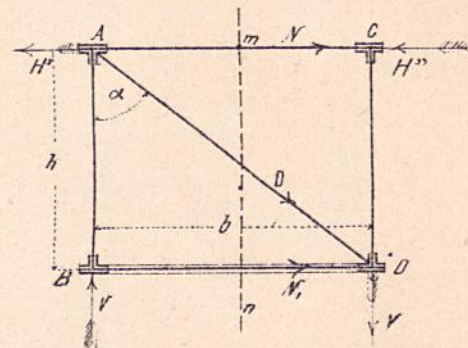
Rys. 5.



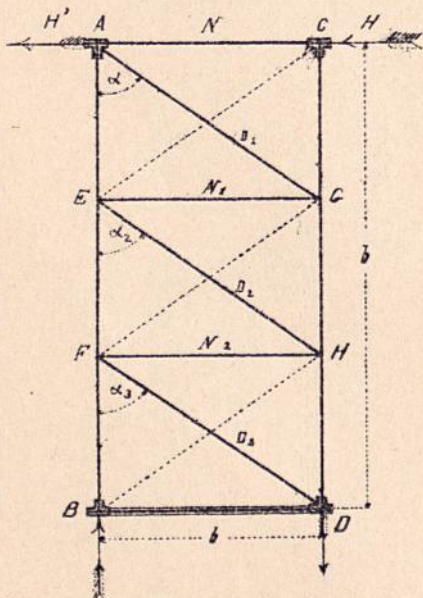
Rys. 9.



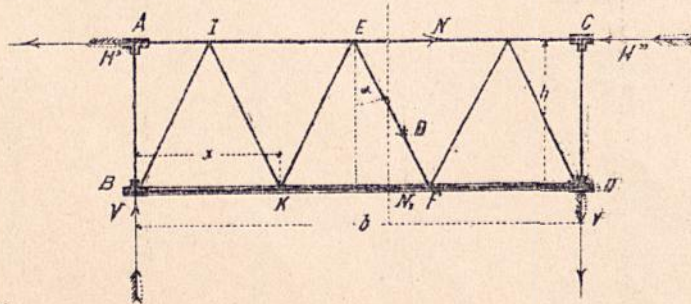
Rys. 6.



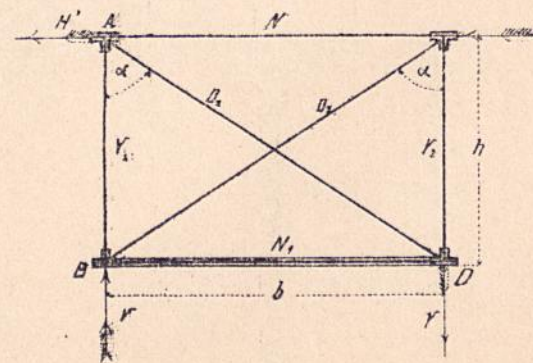
Rys. 4.



Rys. 7.



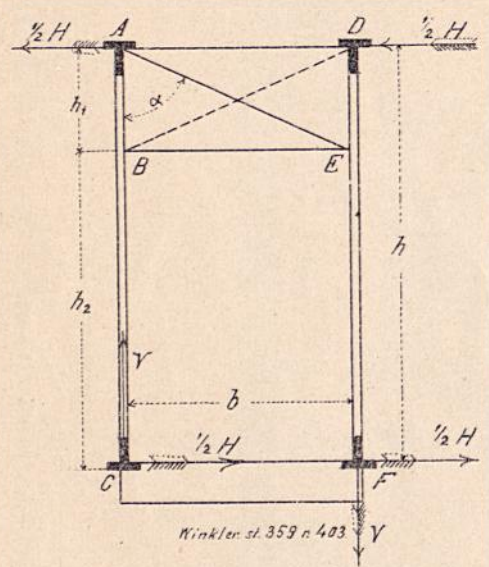
Rys. 8.



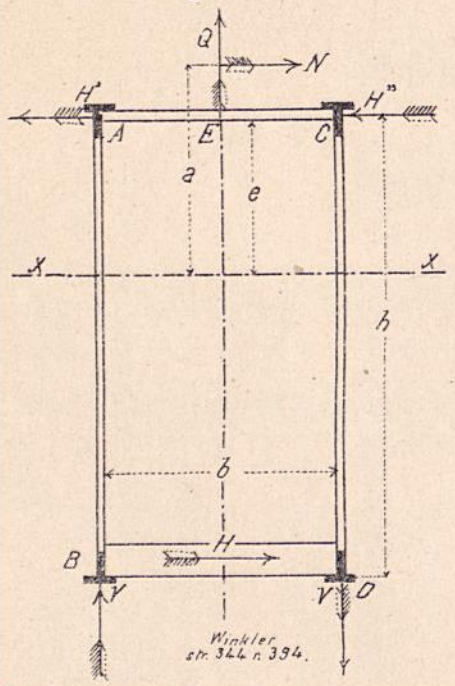


# TEŻNIKI.

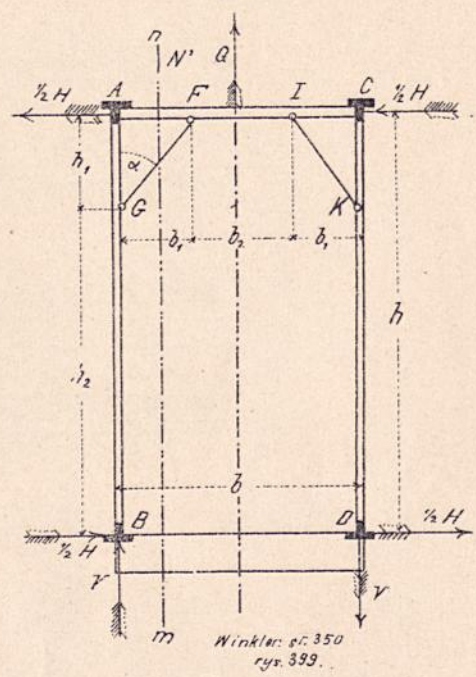
Rys. 1.



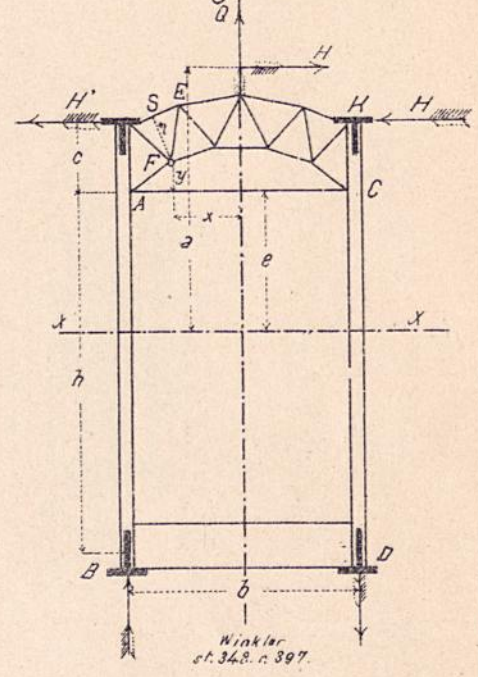
Rys. 2.



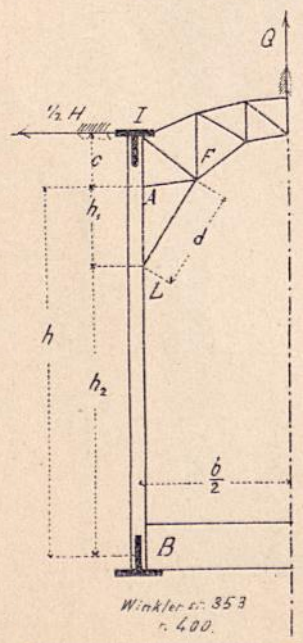
Rys. 3.



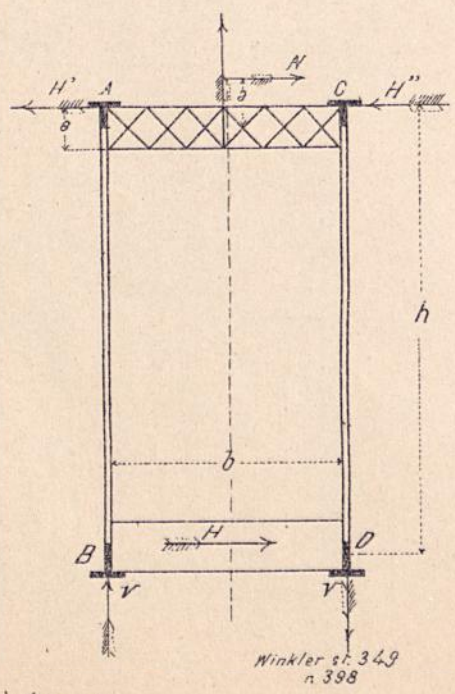
Rys. 4.



Rys. 5.

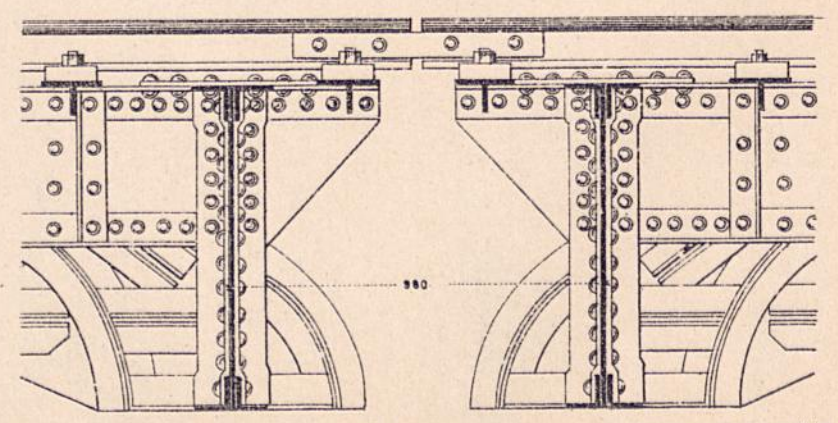


Rys. 6.



Rys. 7.

Most na rzece Ruhr koło Frömdenbergu.



1/20 n. W.

Winkler st. 463 n. 442

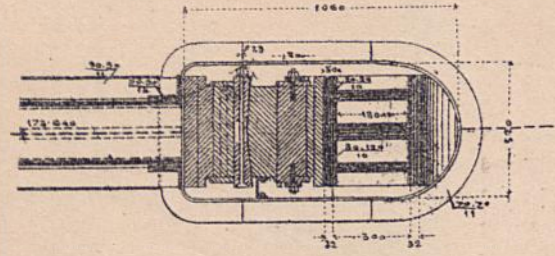
*Winkler*



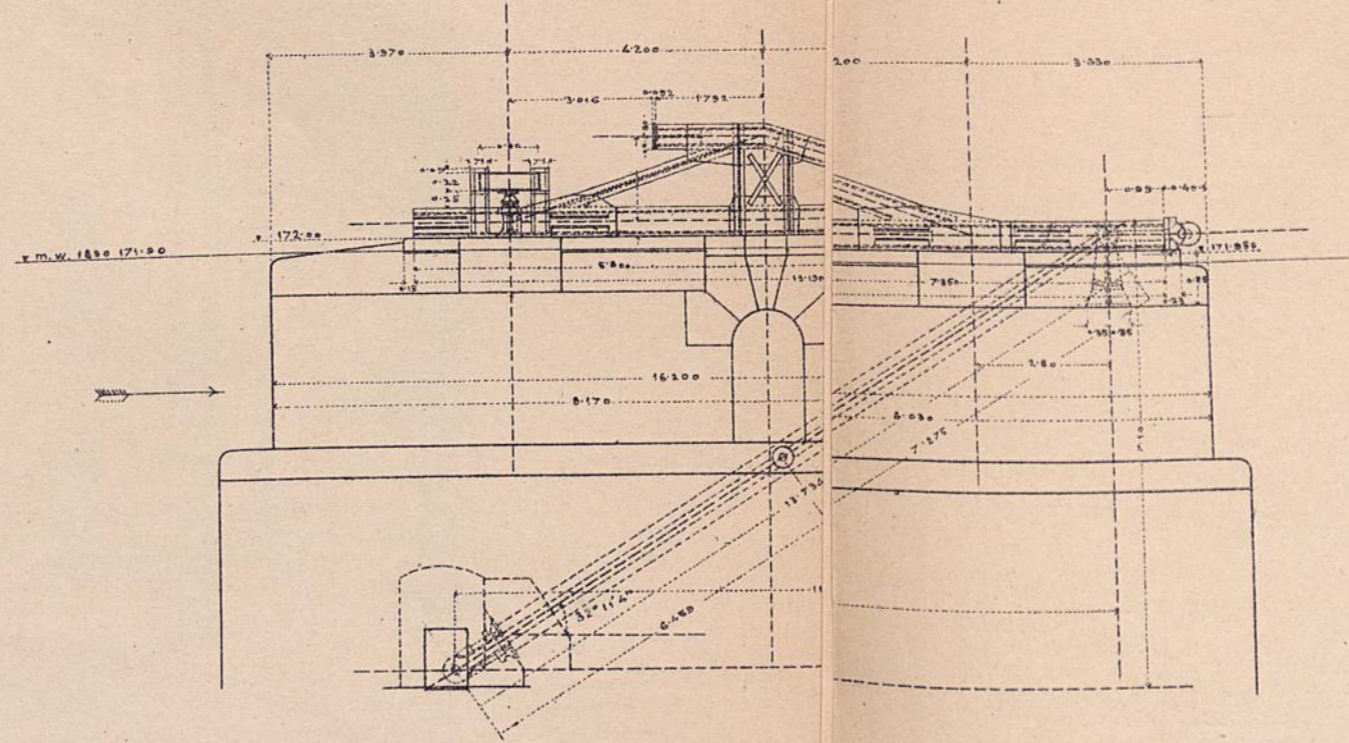


# ZAKOTWIENIE MOSTU JAZOWEGO NA WEŁTAWIE W MIRZOWICACH

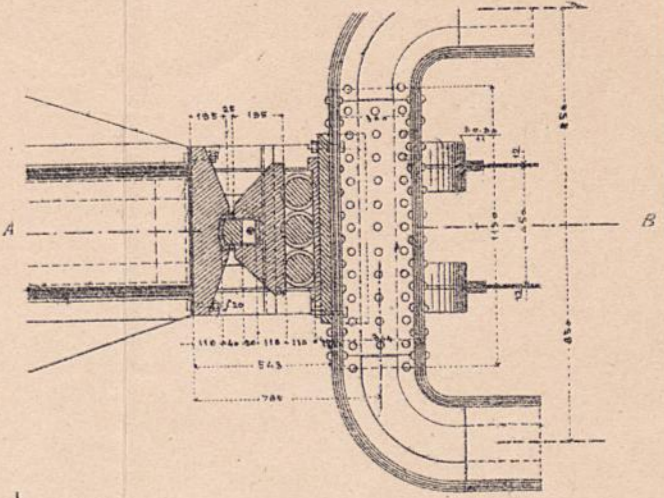
Ays. 1.  
Przekrój podłużny A-B do fig. 3.



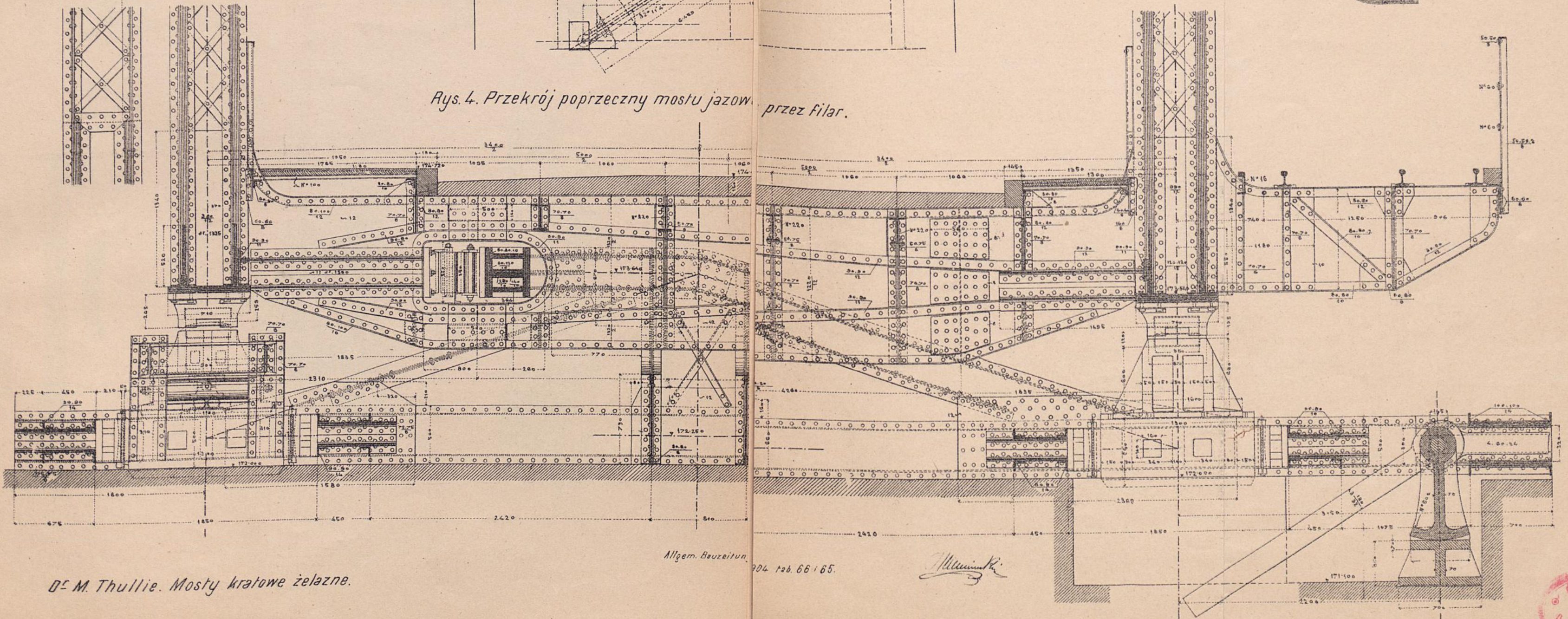
Ays. 2. Widok boczny filaru z kotwieniem.



Ays. 3. Łożysko pionowe.



Ays. 4. Przekrój poprzeczny mostu jazowego przez filar.



Allgem. Bauzeitung, 1904, tab. 66 i 65.

*Thullie*

D- M. Thullie. Mosty kratowe żelazne.

BIBLIOTEKA DOWO  
Dypl. inż. A. ZAGAJEWSKI

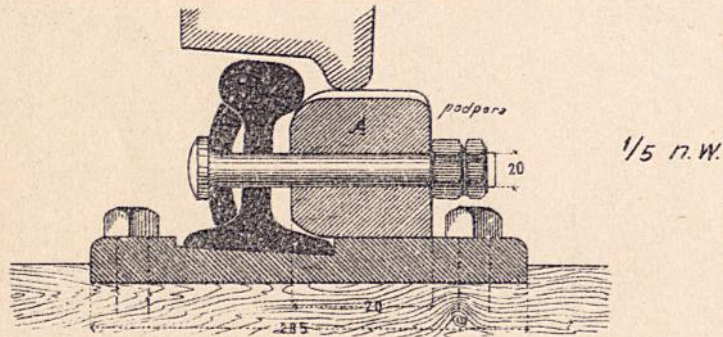


# DOKŁADKI MOSTOWE.

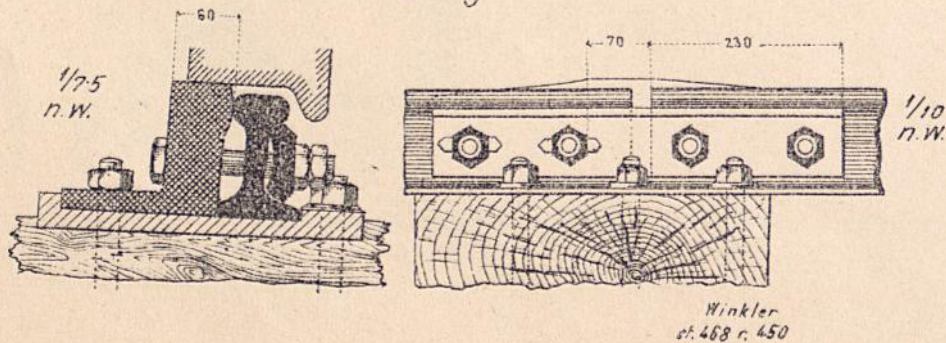
Rys. 1.  
Dokładka nakładkowa.



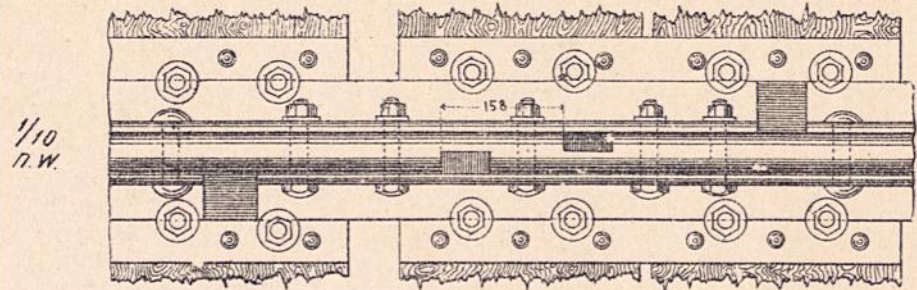
Rys. 3.  
Dokładka z podporą przy moście  
na Mozie koło Hedel.



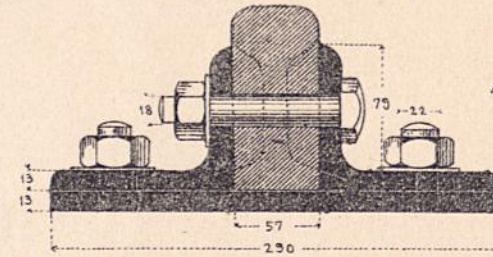
Rys. 4.  
Most na Waal pod Bomnel w Ho-  
landyi



Rys. 2. Most na Dunaju kolei  
północnej.

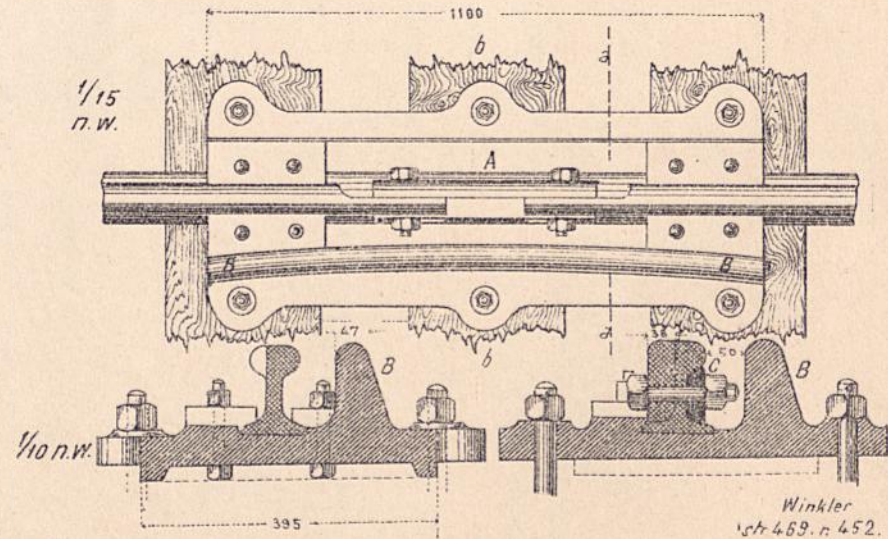


1/5  
n.w.



Winkler  
str. 467 n. 448

Rys. 5.  
Most kolei połudn. austr. [Paulus]



1/15  
n.w.

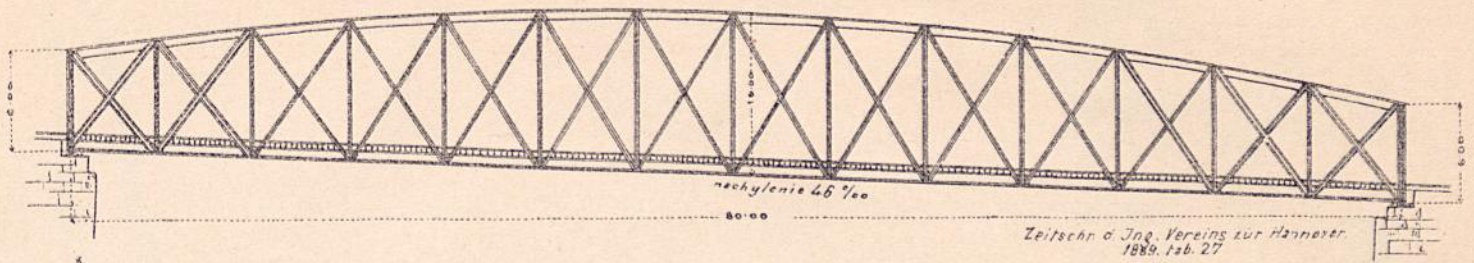
1/10  
n.w.

Winkler  
str. 469 n. 452.

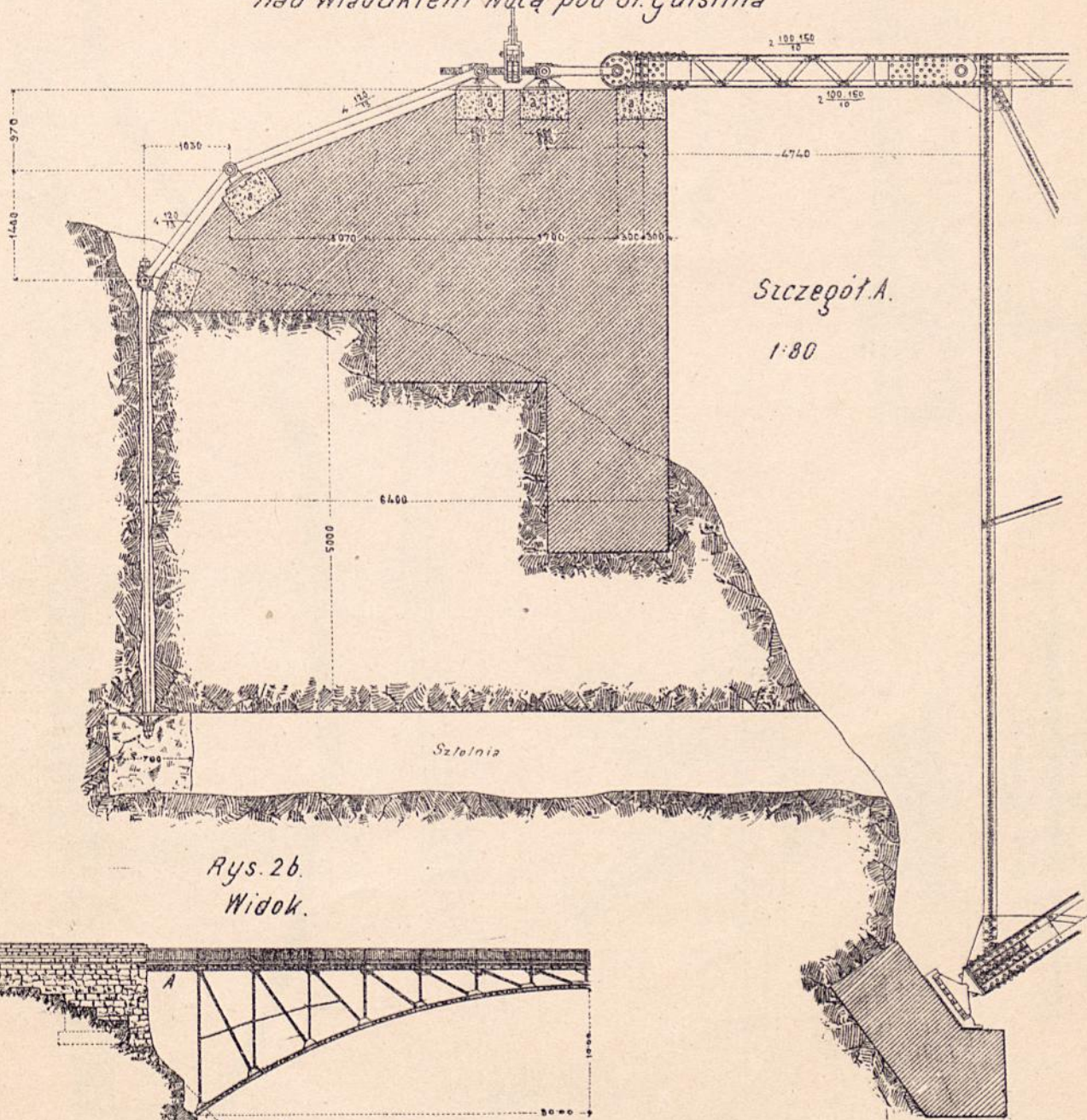


# MOSTY W SPADZIE.

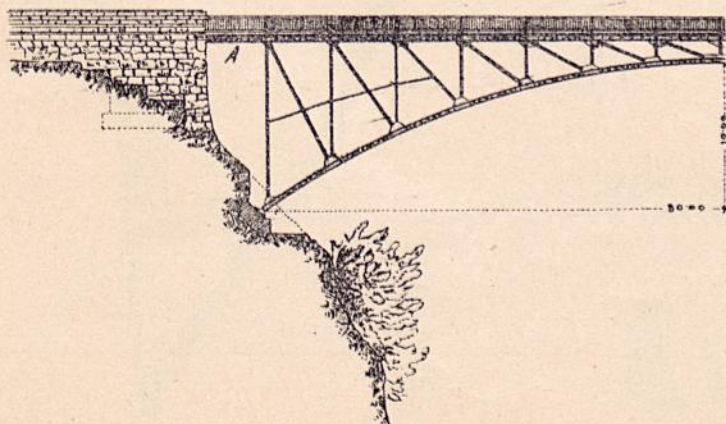
Rys. 1. Most na Kapftobel w spadku 46‰.



Rys. 2. Zakotwienie pasu górnego przy masie drogowej nad wiaduktem Nocą pod St. Guistina



Rys. 2b. Widok.

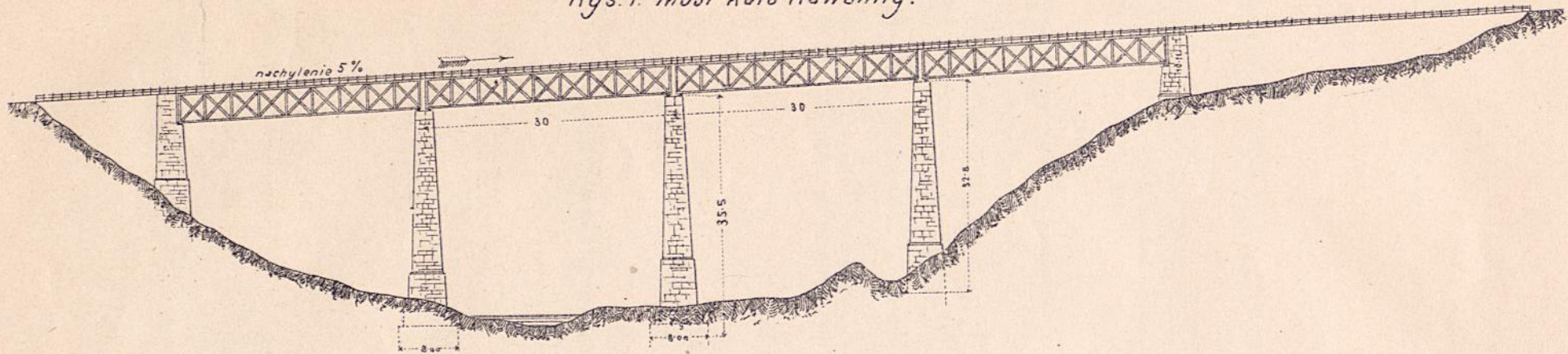


Zeitschr. d. österr. Jng. u. Archit. Vereins  
1889 tab. XVI: VII.

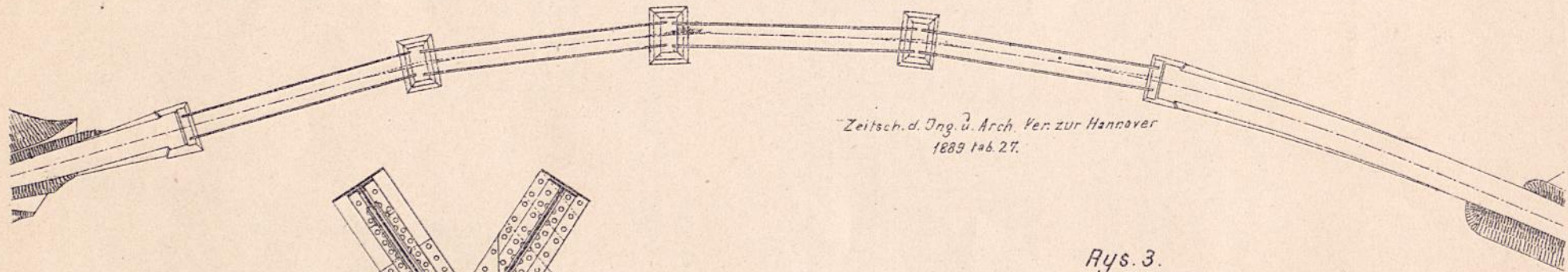
*Müller*



Rys. 1. Most koło Rawenny.

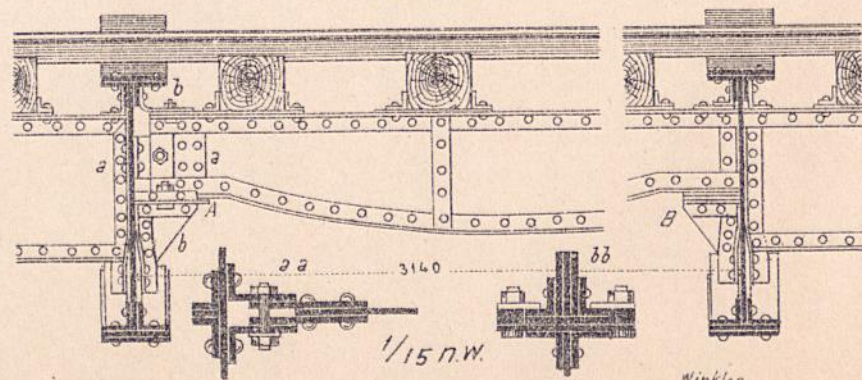


Zeitsch. d. Ing. u. Arch. Ver. zur Hannover  
1889 tab. 27.



Rys. 3.  
Most na Wiśle pod  
Toruniem.

1/30 n.w

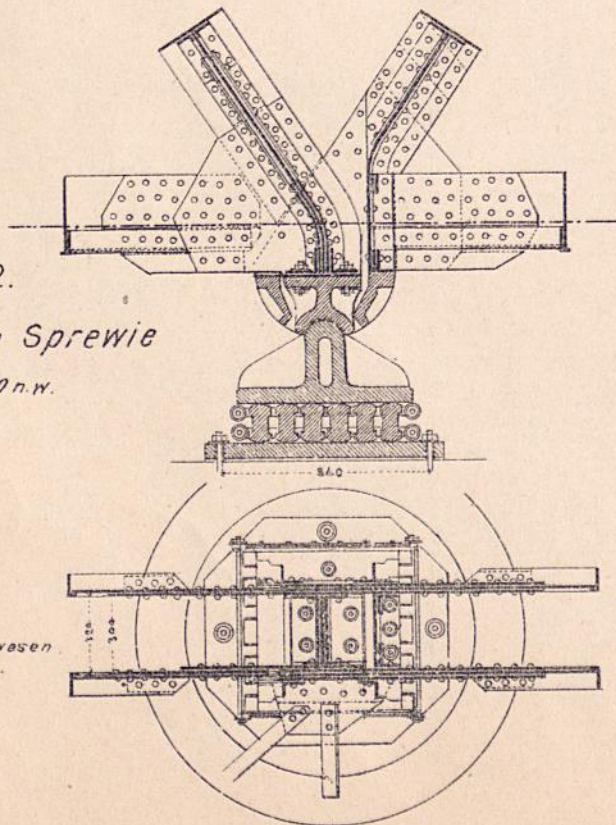


Winkler  
et. 466. n. 443

Rys. 2.

Most na Sprewie

1/30 n.w.



Zeitsch. f. Bauwesen  
84 tab. 8.

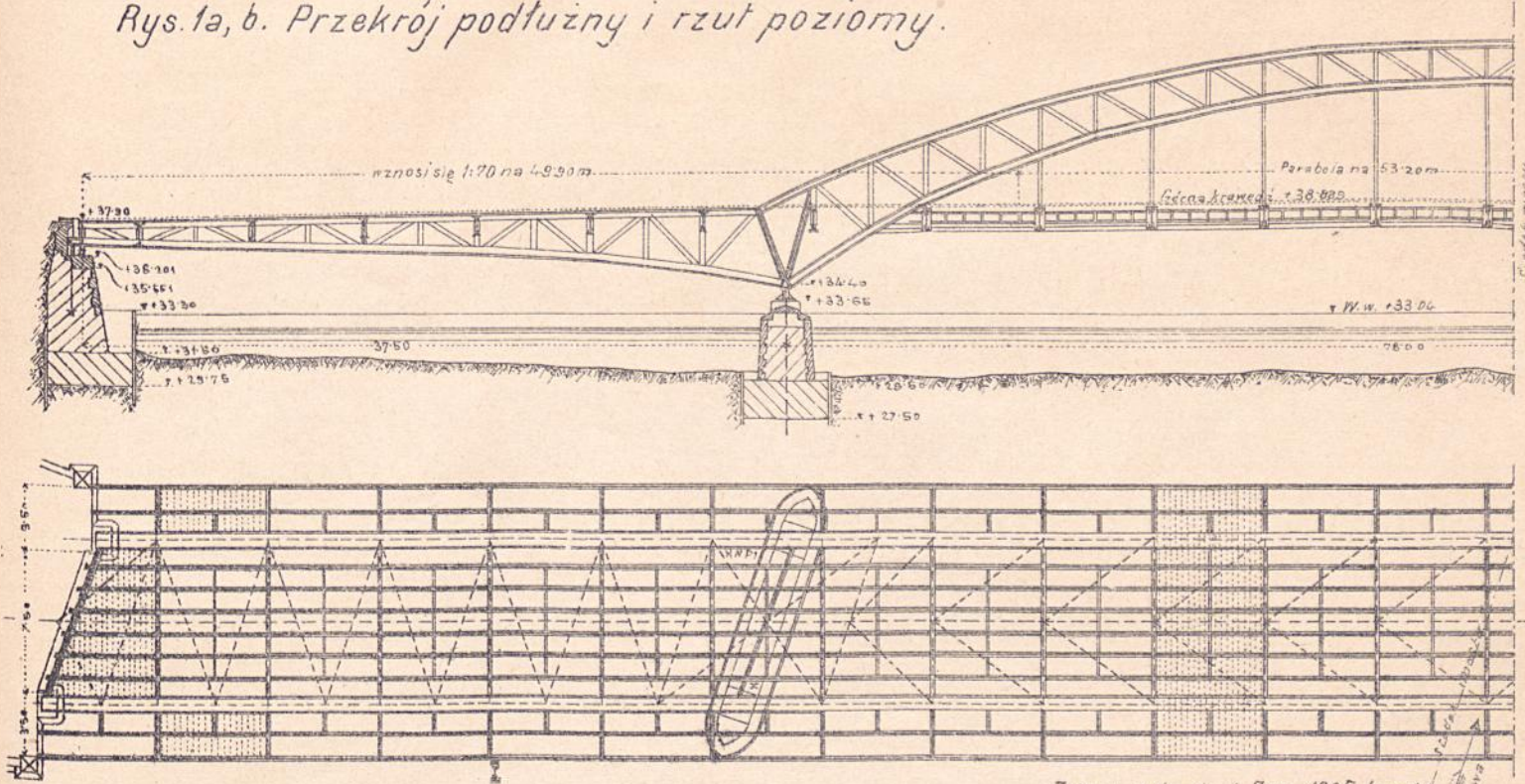
Alteuinkler





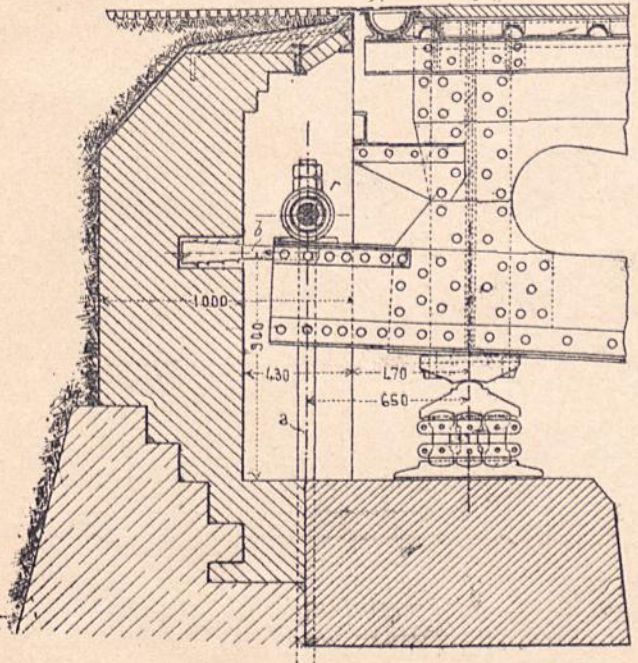
# MOST TRESKOW W OBERSCHÖNEWEIDE OBOK BERLINA

Rys. 1a, b. Przekrój podłużny i rzut poziomy.

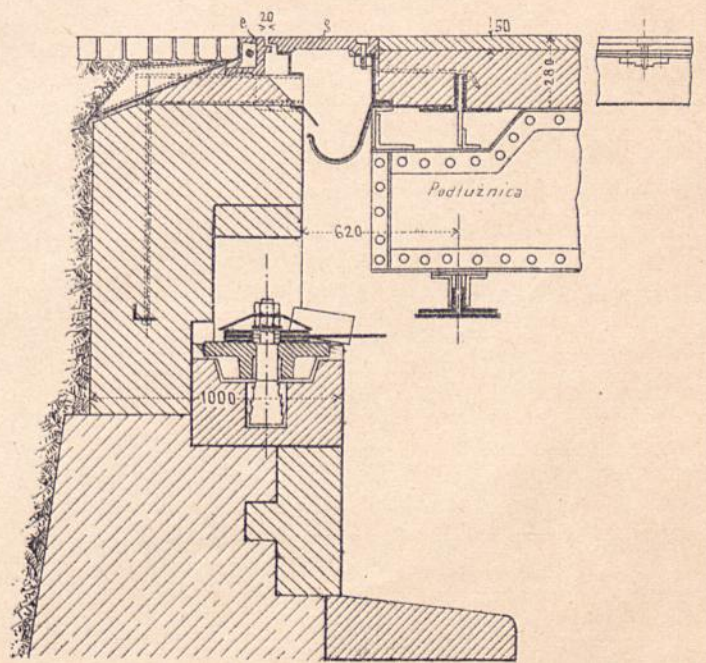


Zeitsch. d. Ver. deut. Ing. 1905 tom. 49. str. 1144.

Rys. 2.  
Łożysko na lewym  
przyczółku - przekrój przez  
chodnik.



Rys. 3.  
Zakończenie pomostu drogi i łożysko  
dla tężników poziomych - przekrój  
przez drogę.



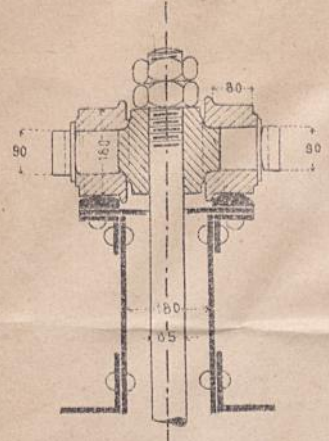
Zeitsch. d. Ver. deut. Ing. 1905 tom. 49. str. 1249.



# ŁOŻYSKA I TĘŻNIKI.

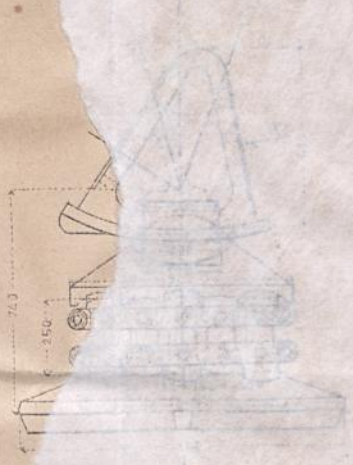
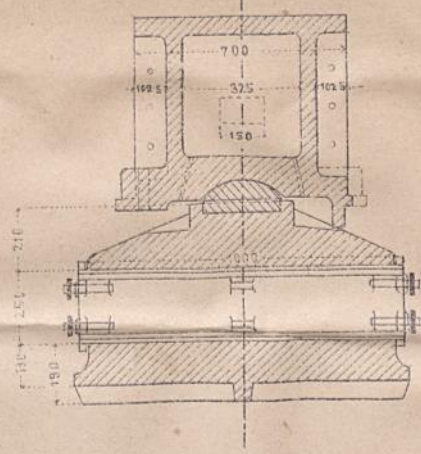
Rys. 1, 2. Most „Treskow” w Oberschönewe na kato Berlina.

Rys. 1. Przekrój przez zakotwienie. [Patrz tab. 190. rys. 2.]



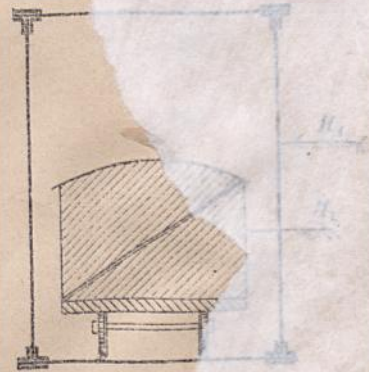
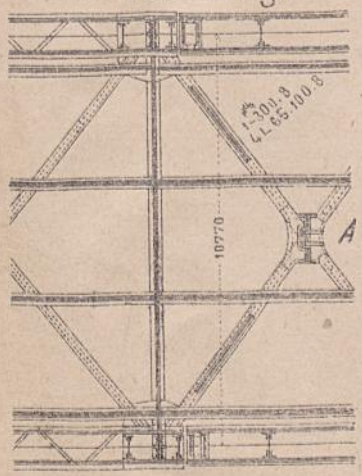
Zeits. d. Ver. deut. Ing. 1905. st 1247.

Rys. 2. Łożysko rolkowe na lewym filarze.



Rys. 3a.

Połączenie tężników poziomych na przegubie przy moście na Renie między Ruhrort a Homberg.

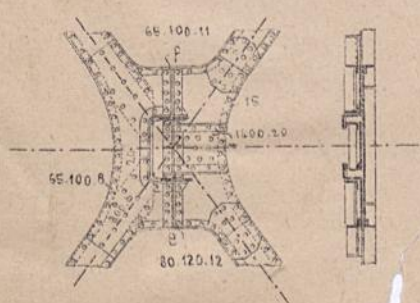


Rys. 4.

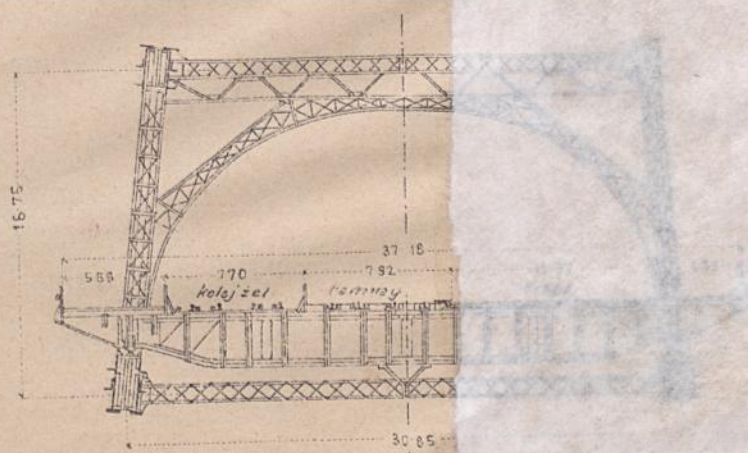
Rys. 5.

Tężniki poprzeczne przy wjeździe w porcie Sydney (Australia).

Rys. 3b. Szczegół A.



Zeits. d. Ver. deut. Ing. 1905. st 245







BIBLIOTEKA GŁÓWNA

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