

SAMMLUNG

EISERNER BRÜCKEN-CONSTRUCTIONEN

ausgeführt bei den Bahnen

des

VEREINS DEUTSCHER EISENBAHN-VERWALTUNGEN

mit 39 Blätter Zeichnungen.

ATLAS

STUTTGART

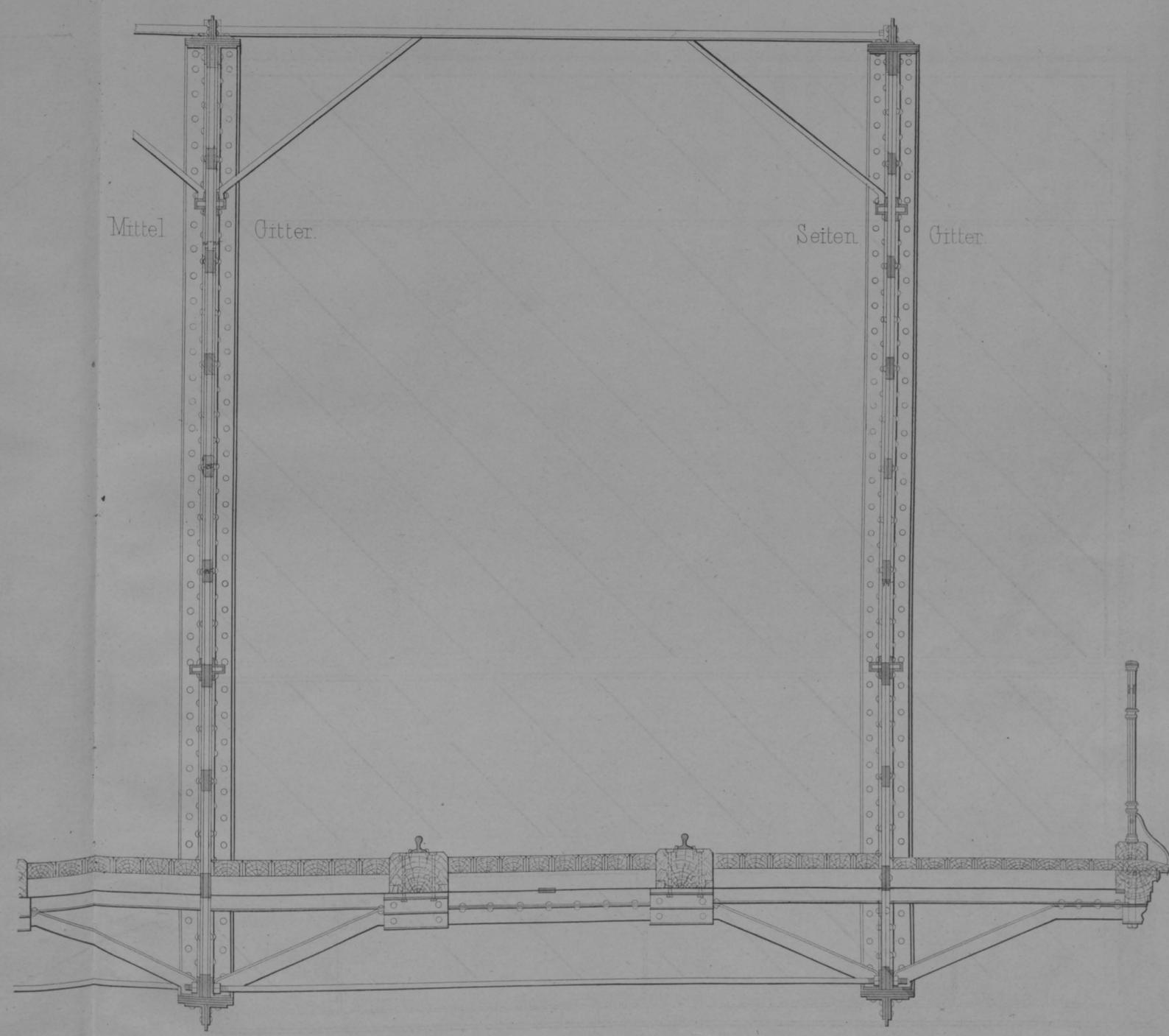
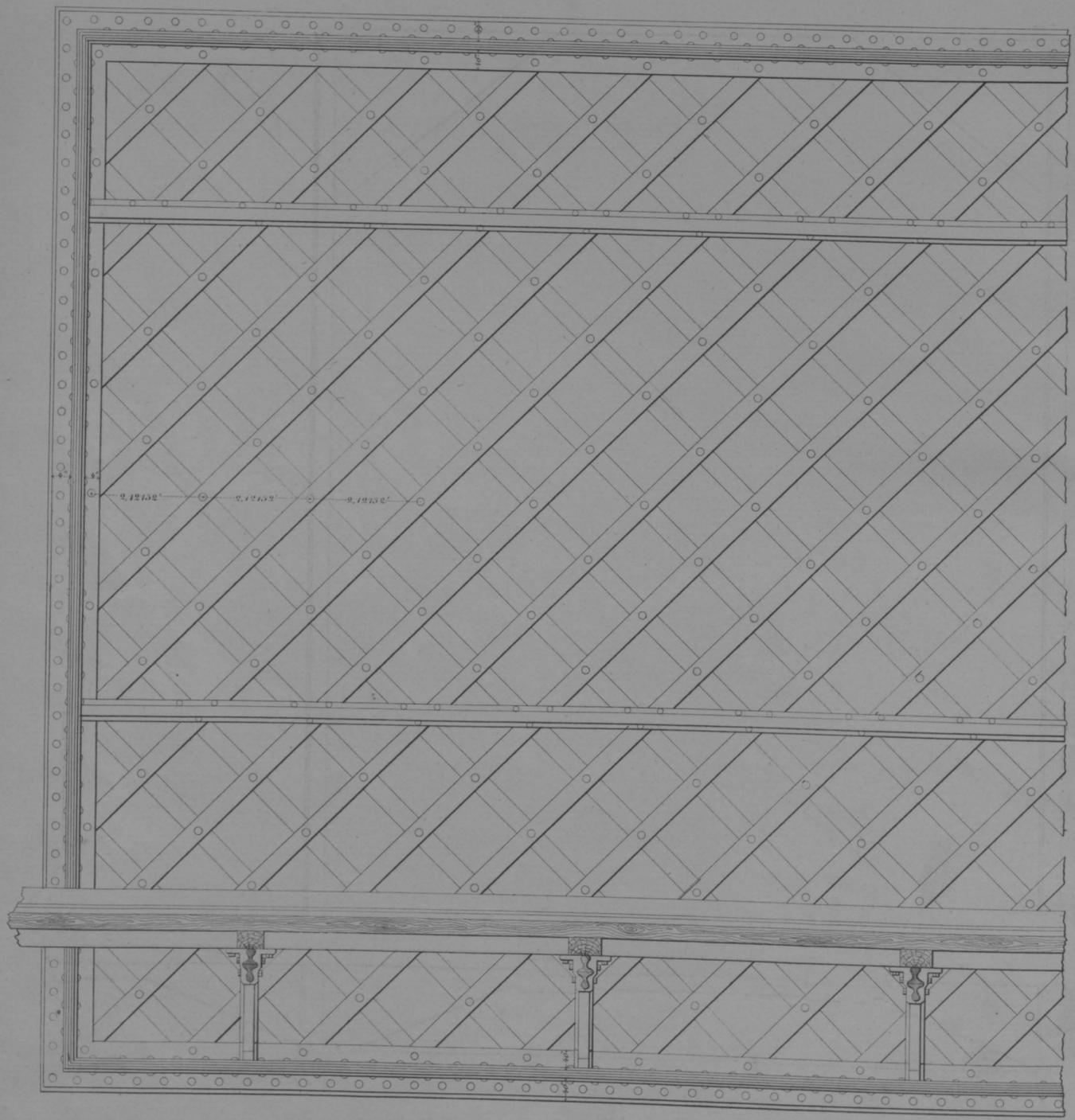
VERLAG v. F. MALTÉ'S ARTISTISCHER ANSTALT

1860.

GITTERBRÜCKE ÜBER DIE KINZIG BEI OFFENBURG.

Längenschnitt.

Querschnitt.



Maafsstab-1:25.

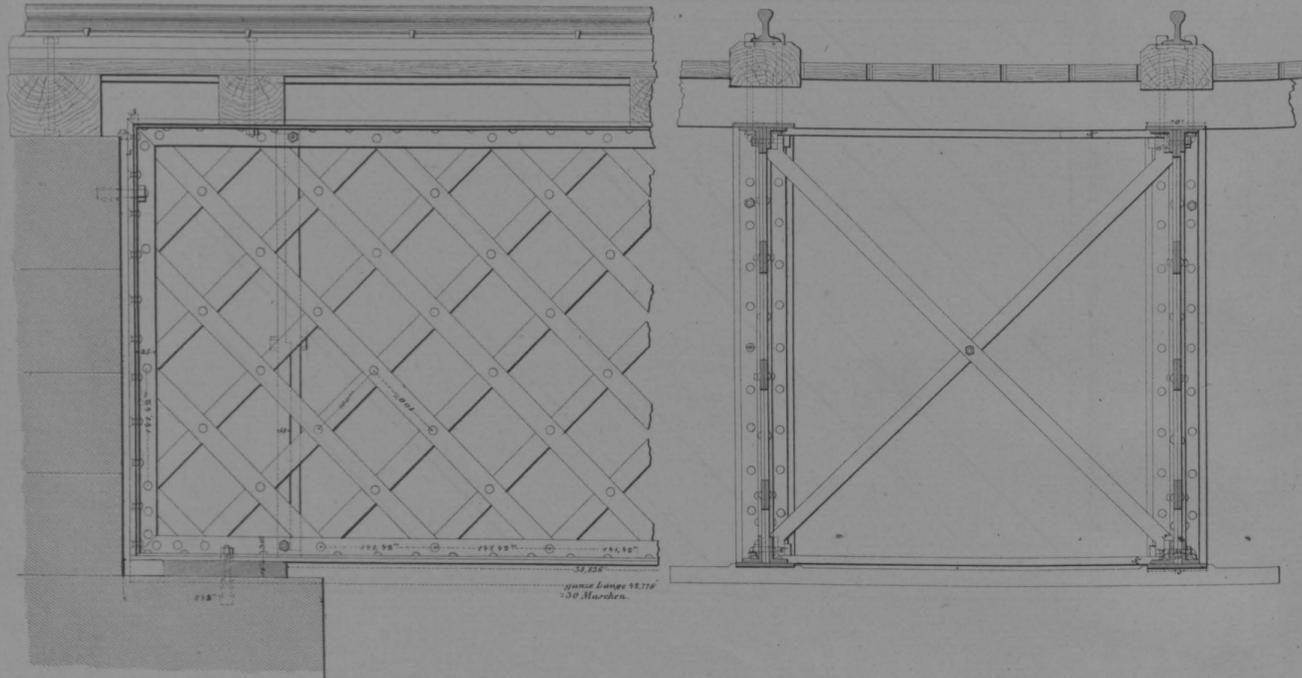


EISERNE GITTERBRÜCKE ÜBER DEN MÖHLINBACH BEI OFFNADINGEN.

Ansicht eines Theils des Gitters.

20 d.w.Größe

Querschnitt

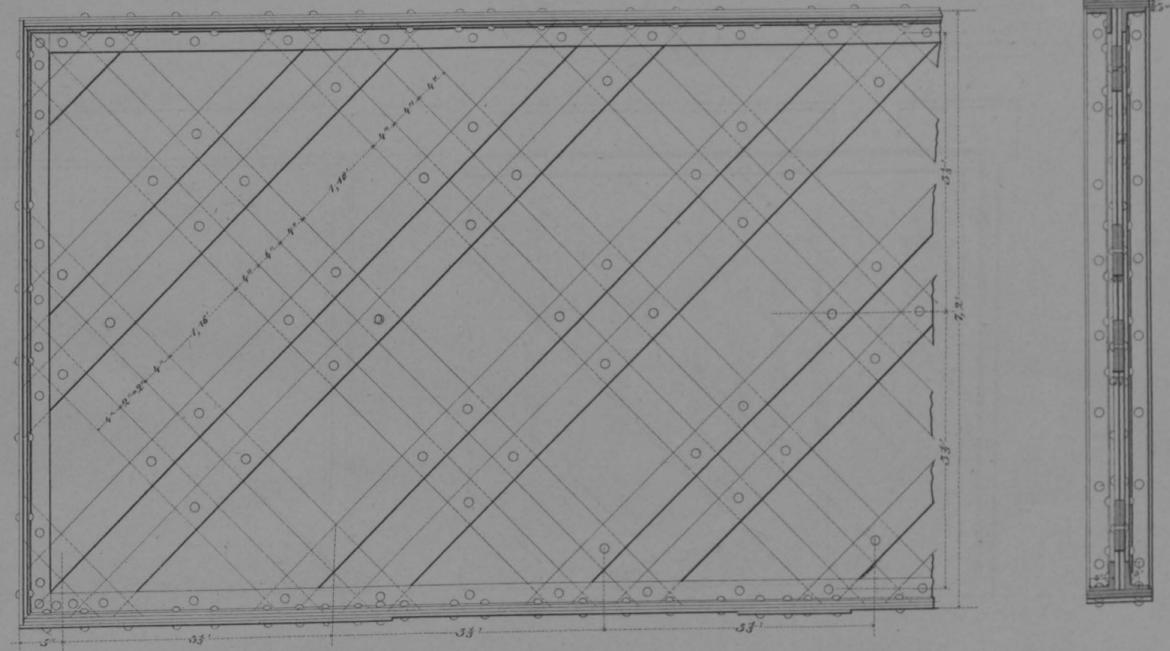


HAUENSTEIN ÜBERGANG.

Ansicht eines Theils einer Rippe.

20 d.w.Gr.

Querschnitt

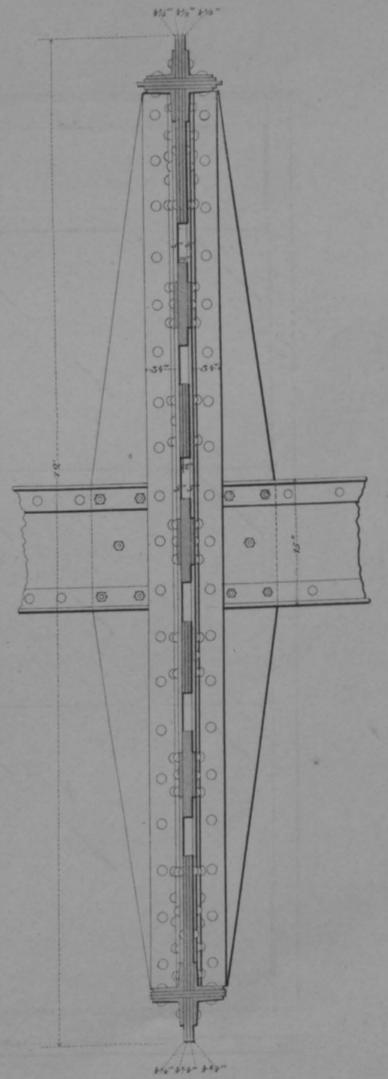
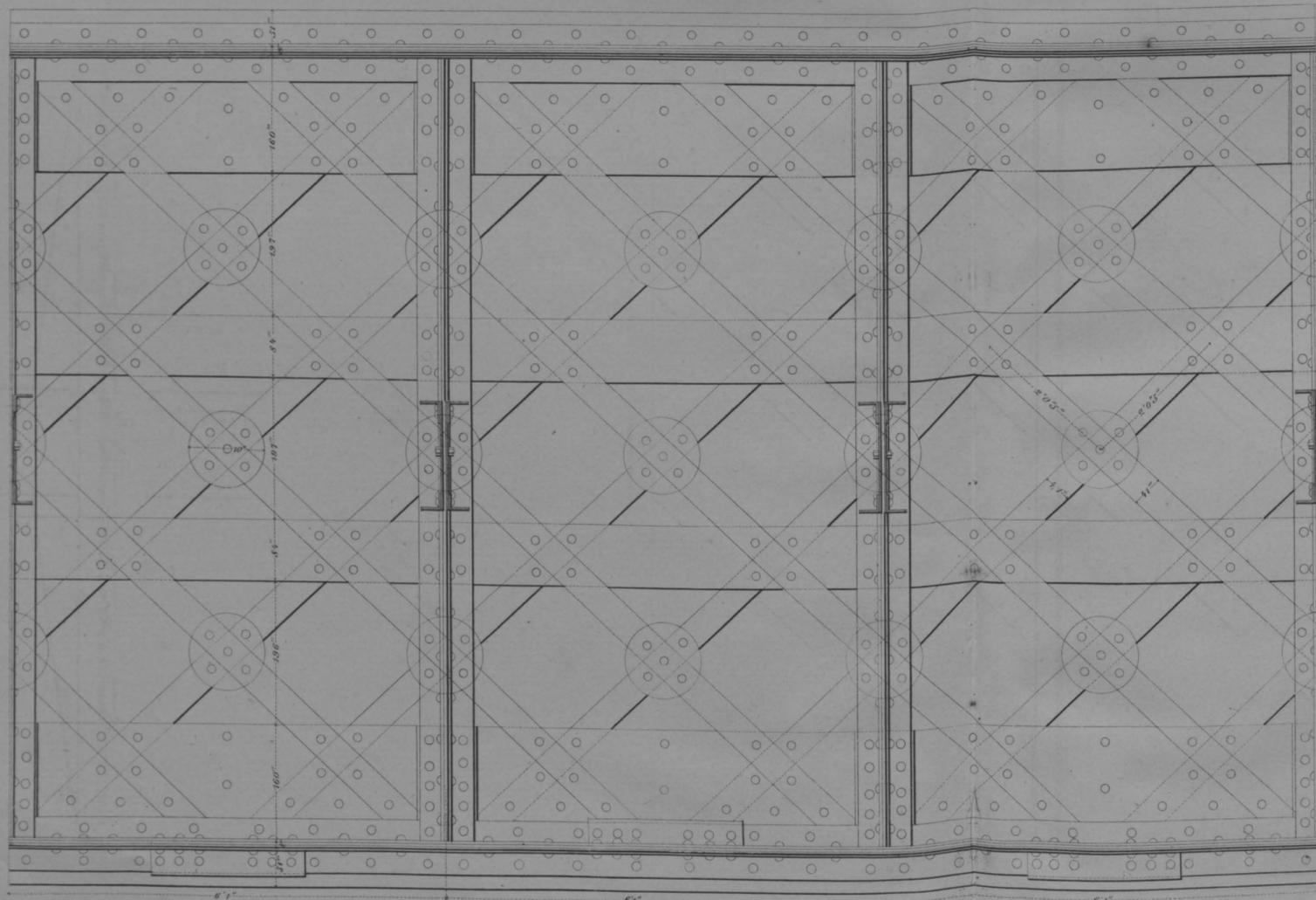


WIESENBRÜCKE BEI BASEL.

Ansicht eines Theils der Mittelrippe.

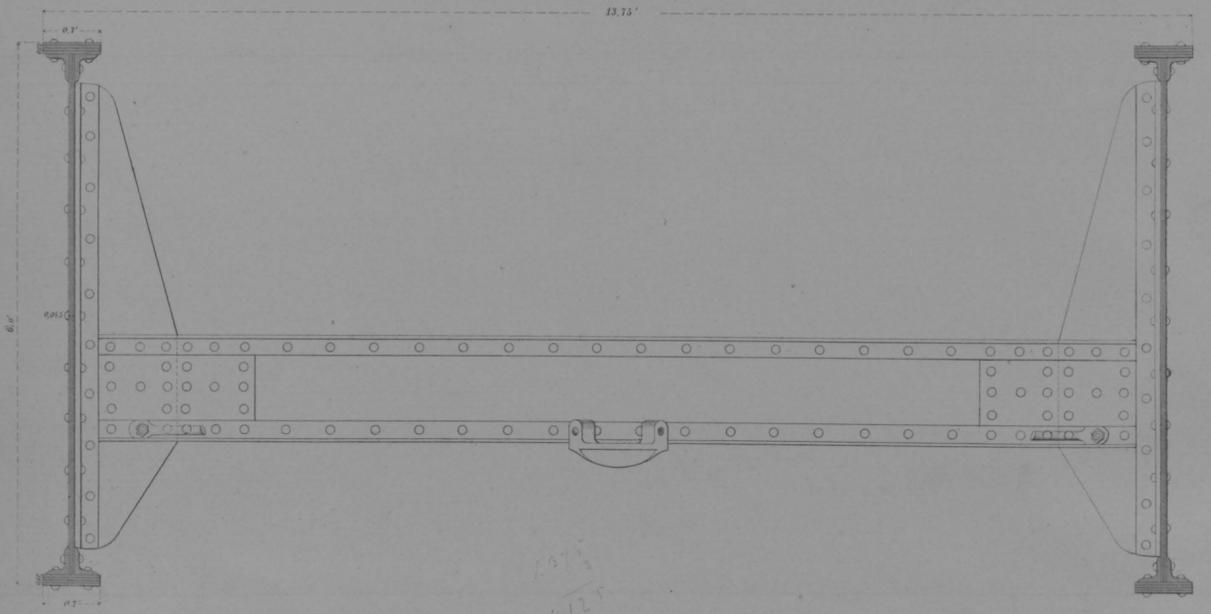
20 d.w.Gr.

Querschnitt der Mittelrippe

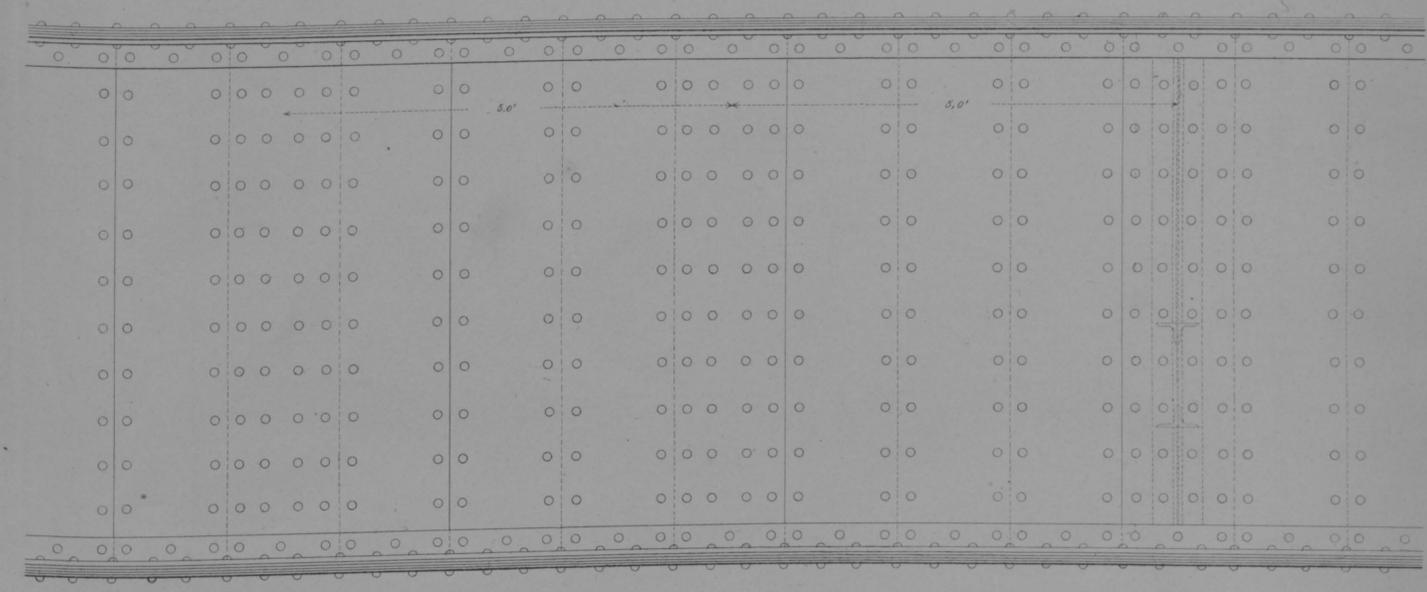


DONAUBRÜCK BEI DONAUWÖRTH

Querschnitt der Tragwand.

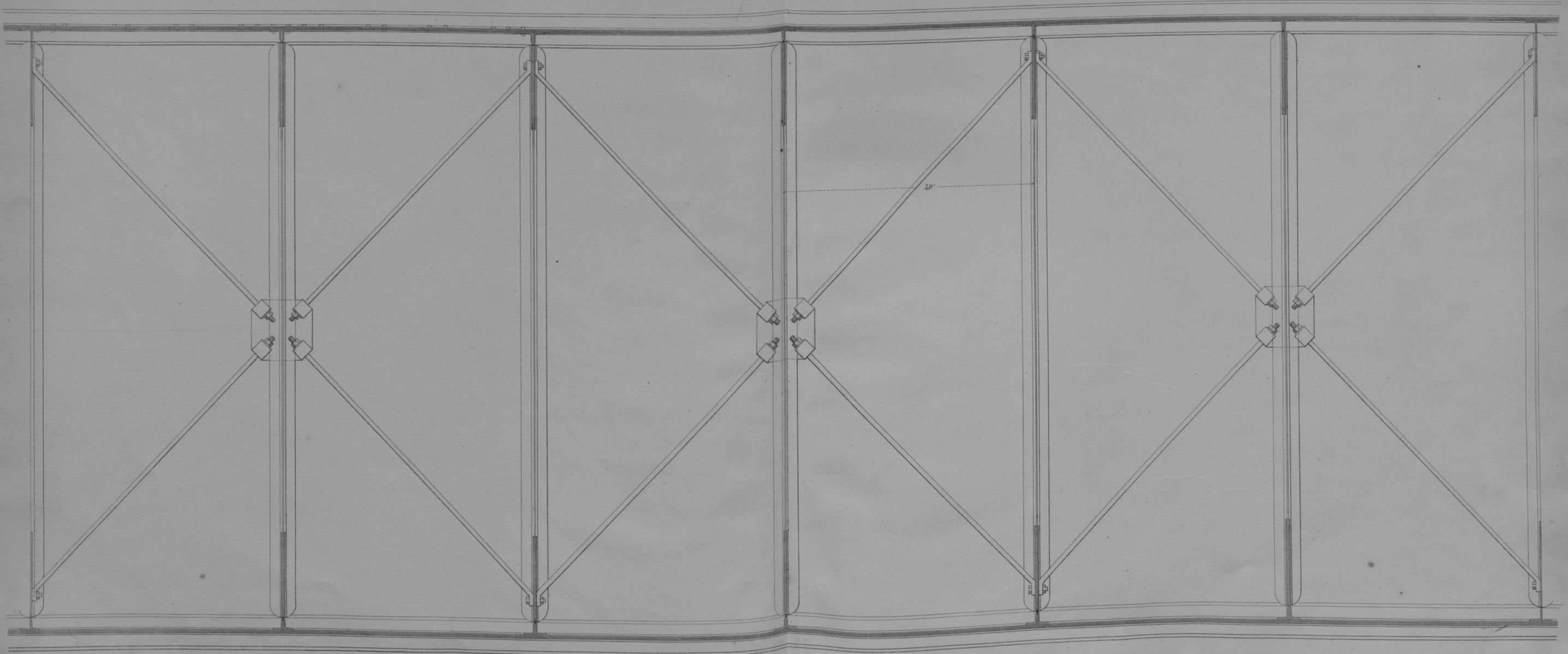


Innere Ansicht der Tragwand.



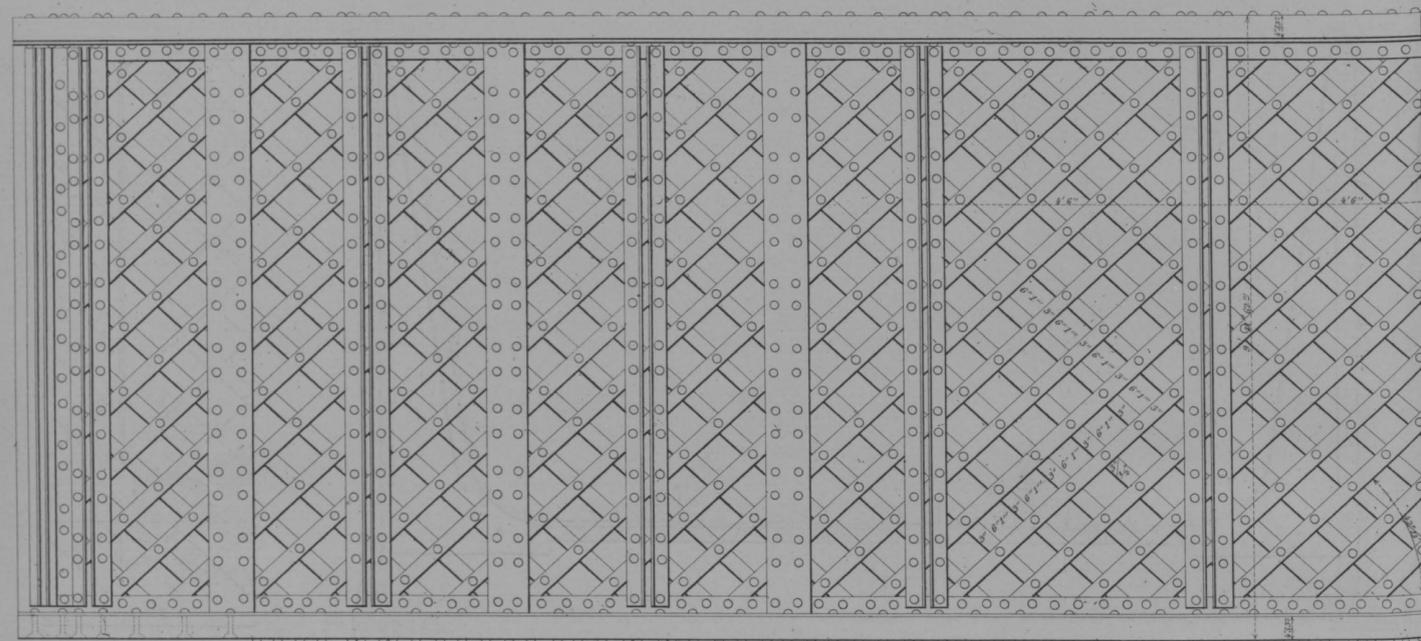
Masstab=1:16

Grundriss



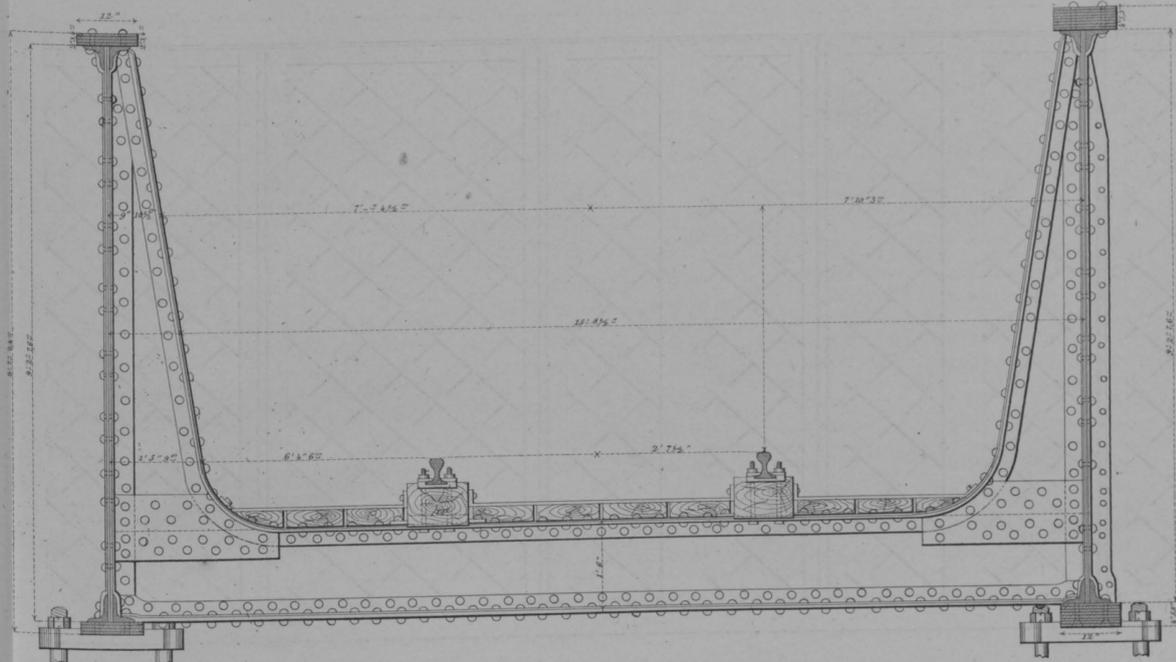
Ansicht des mittleren Langträgers

3/4 d. n. Gr.



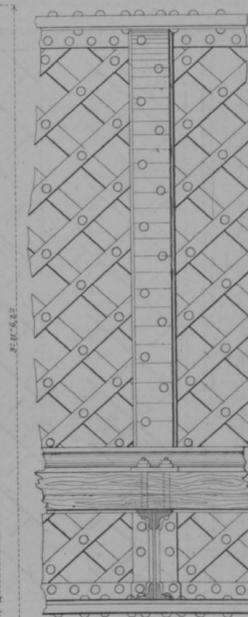
Querschnitt

3/4 d. n. Gr.



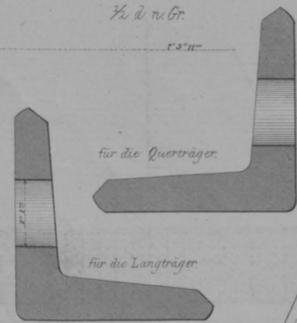
Längenschnitt

3/4 d. n. Gr.



Winkelisen

3/4 d. n. Gr.

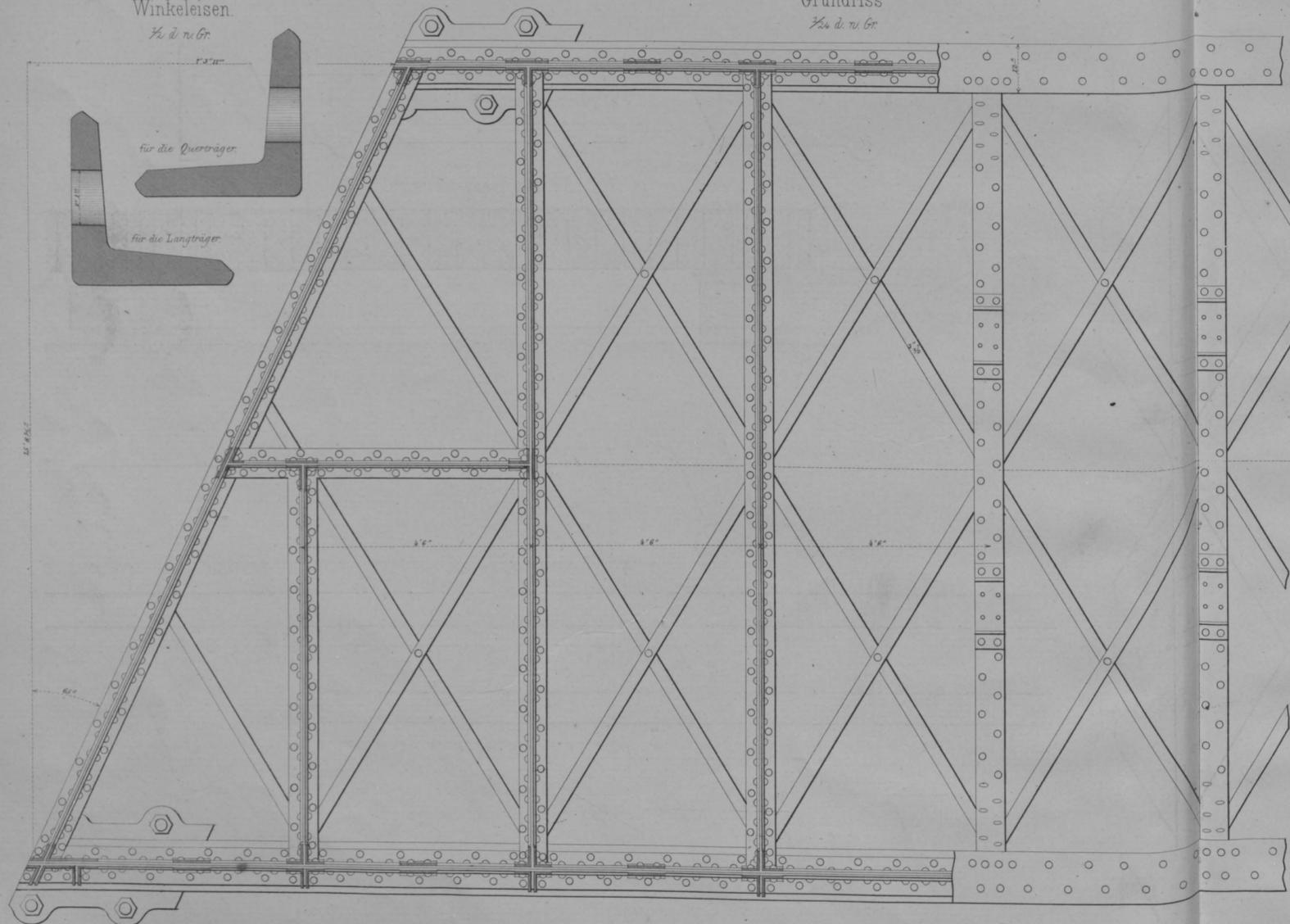


für die Querträger

für die Langträger

Grundriss

3/4 d. n. Gr.

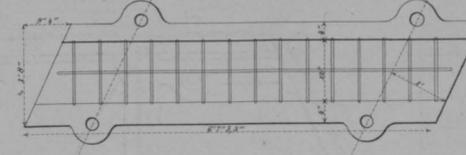
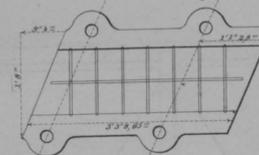


Gusseiserne Schuhe

3/4 d. n. Gr.

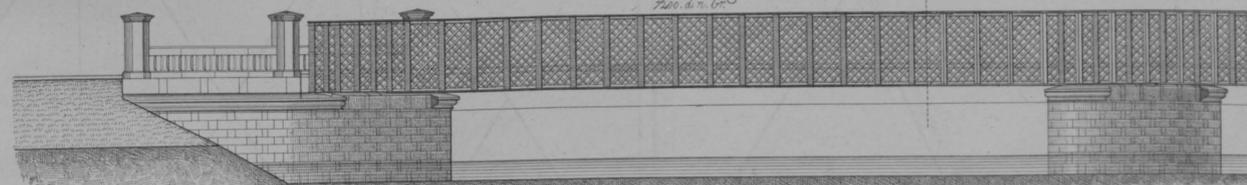
auf den Widerlagern

auf den Pfeilern



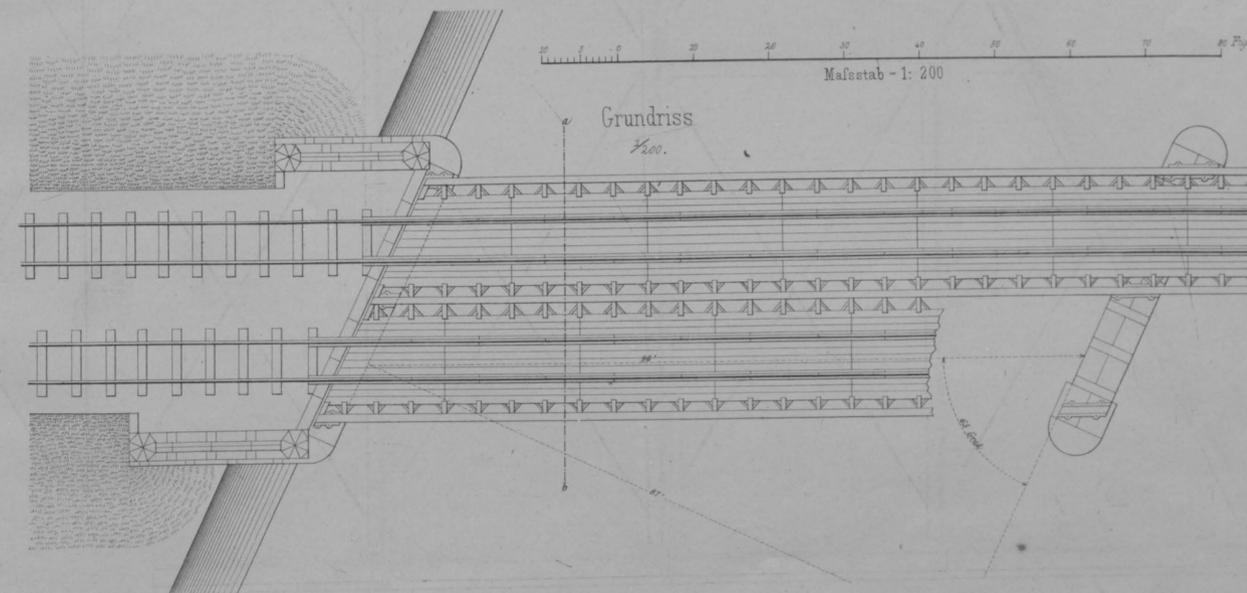
Ansicht und Längenschnitt

3/4 d. n. Gr.



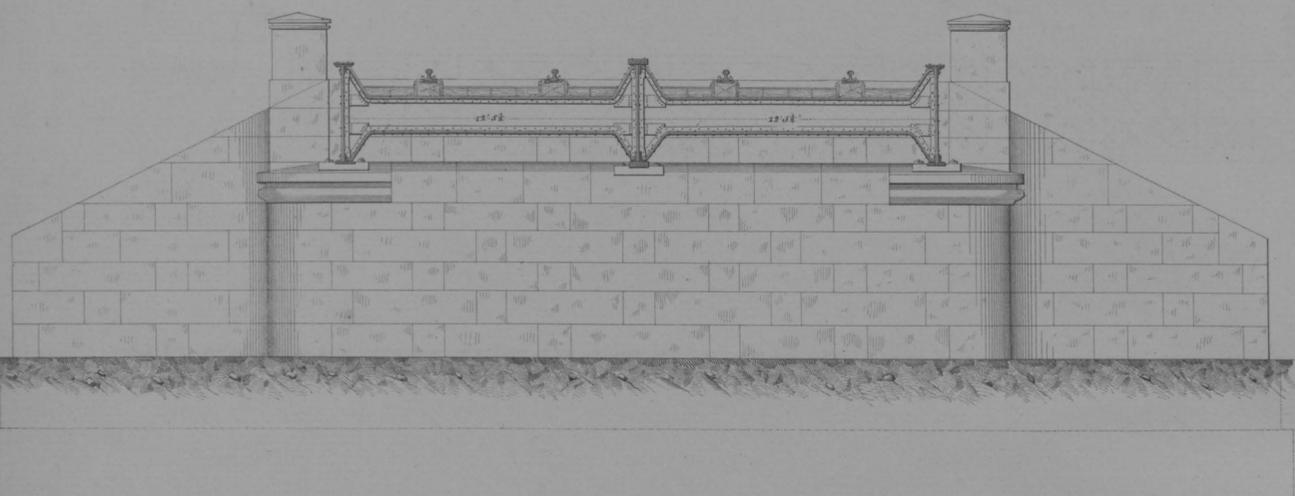
Grundriss

1/200.

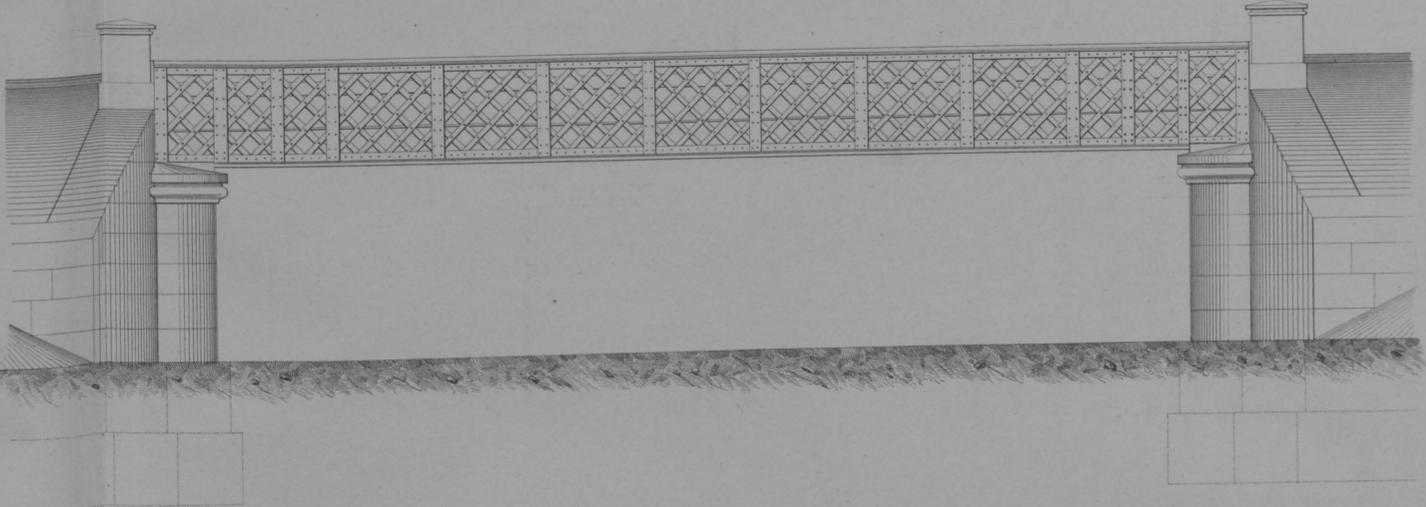


Maßstab - 1: 200

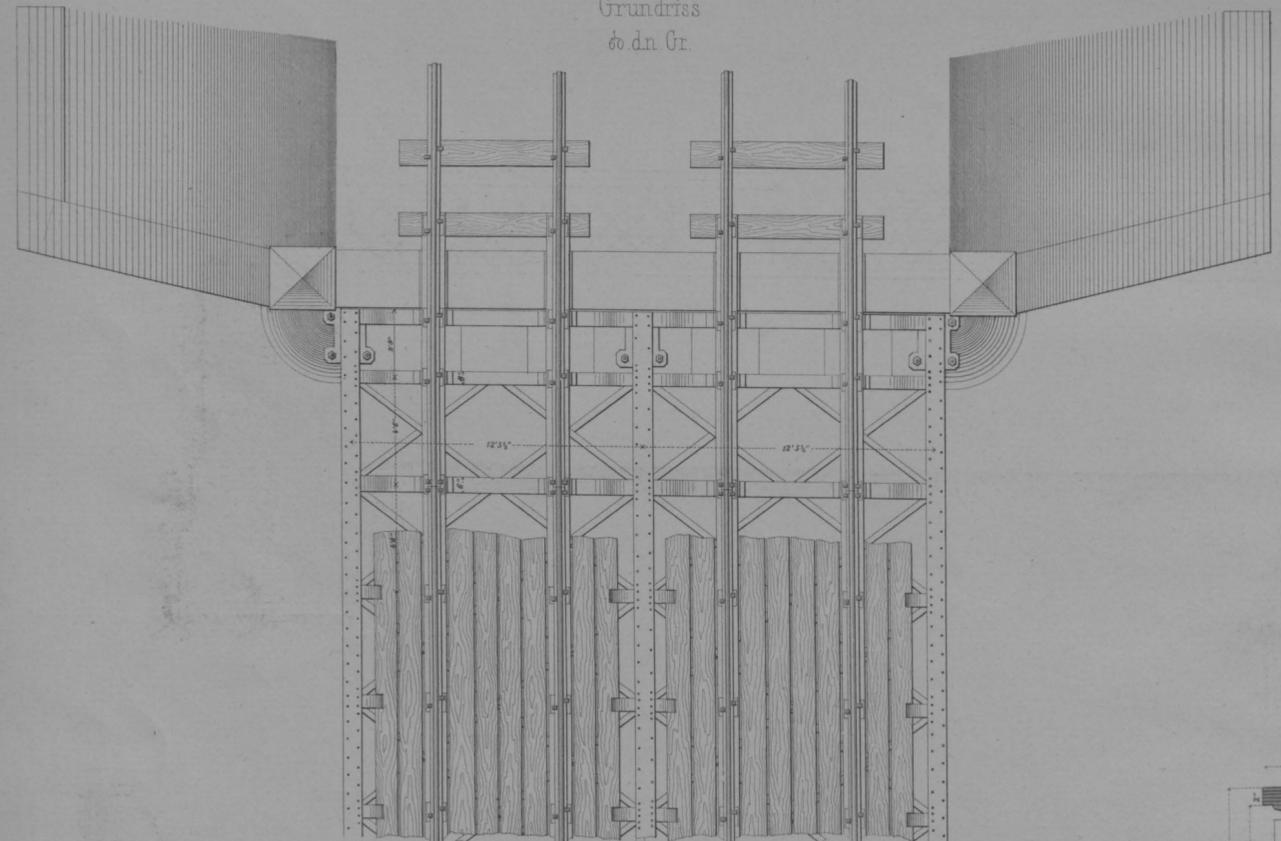
Querschnitt
60 d.n.Gr.



Ansicht
60 d.n.Gr.



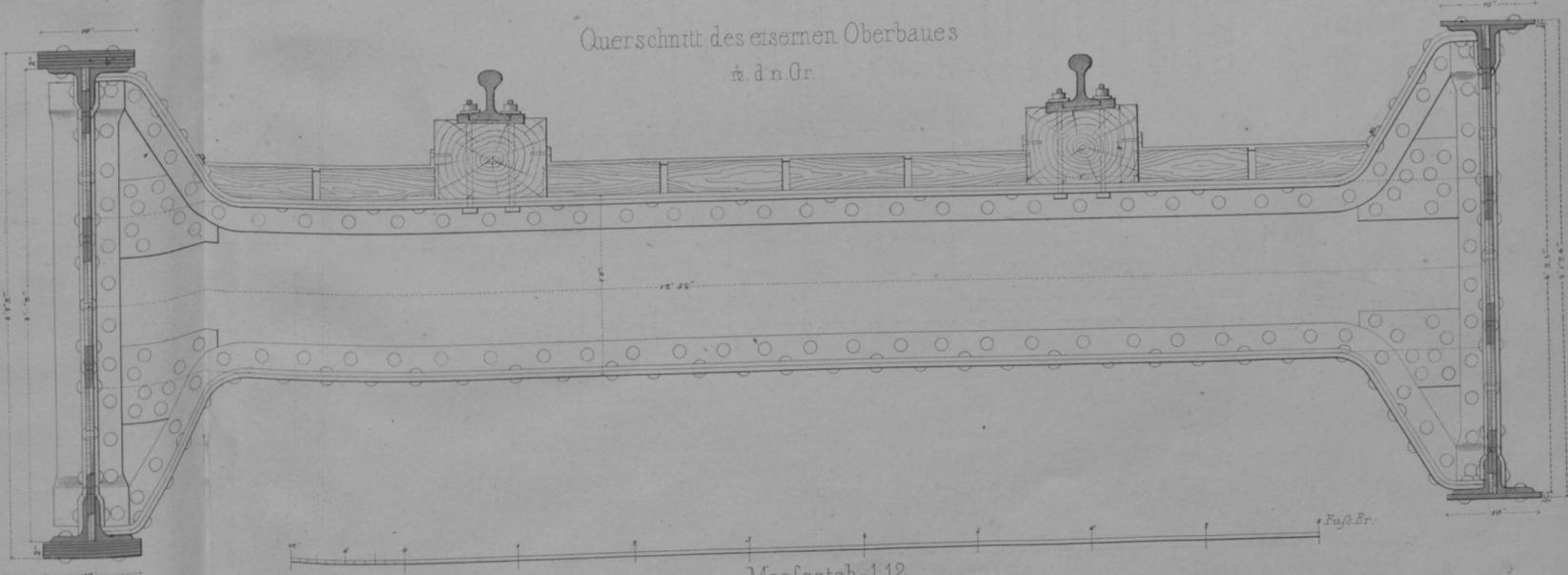
Grundriss
60 d.n.Gr.



Langenschnitt
60 d.n.Gr.



Querschnitt des eisernen Oberbaues
60 d.n.Gr.

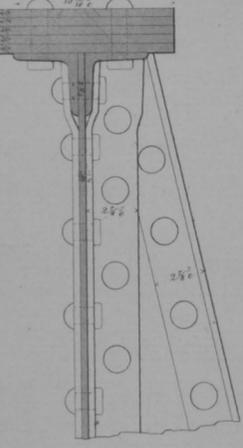


Maafsstab=1:60.

Maafsstab=1:12.

Hannoversche Staatsbahn.

Fig 4 Querschnitt einer Tragwand.



Innerste-Brücke bei Sarstedt.

Fig 1 Längen-Ansicht.

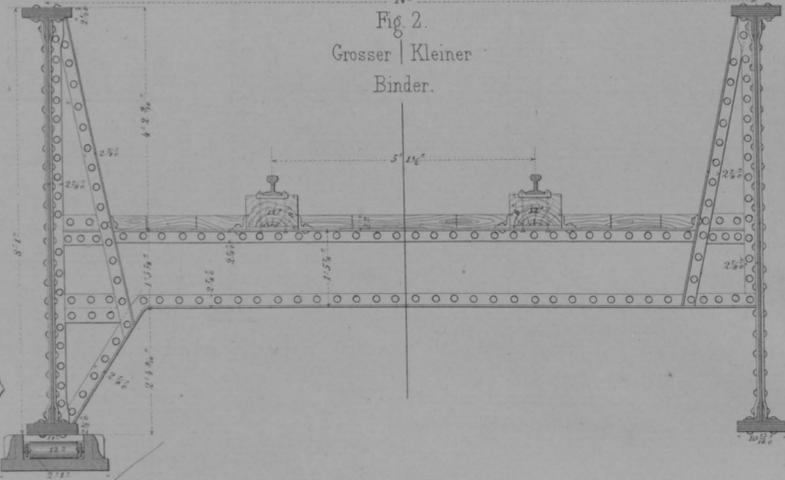


Fig 2. Grosser Kleiner Binder.

Fig 3 Längendurchschnitt.

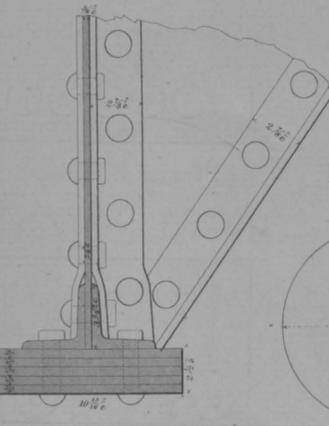
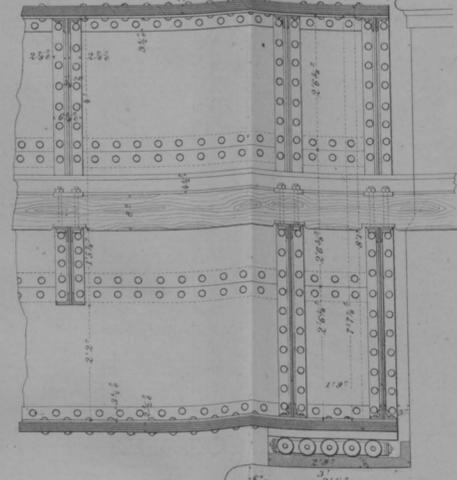
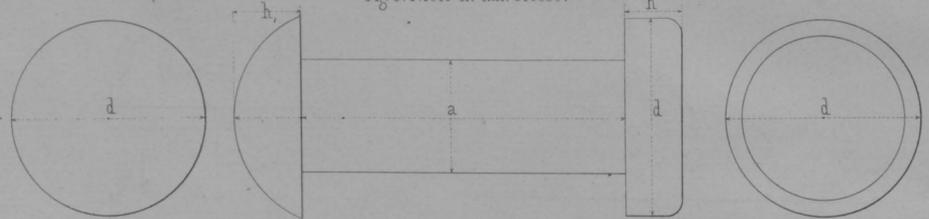


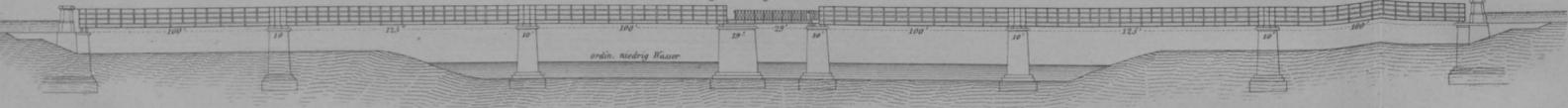
Fig 5 Niete in nat. Grösse.



Formel für die Metallstärken der Theile eines Nietes. a = 7/8 Zoll. d = a + 1/8 u. h = a : 2. h = 5/8 a.

Leda-Brücke.

Fig 1 Längen-Ansicht.



Leine-Brücke bei Poppenburg.

Fig 1 Längen-Ansicht.

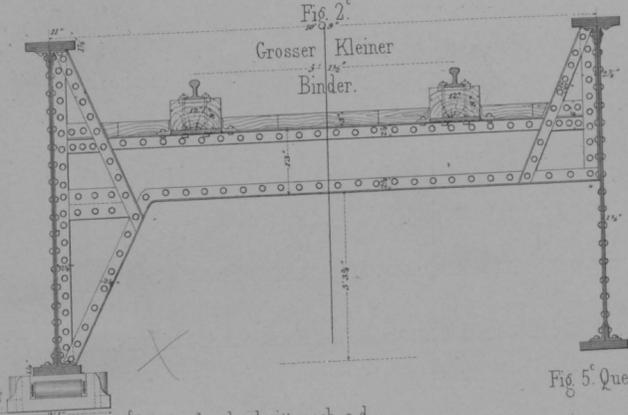


Fig 2. Grosser Kleiner Binder.



Fig 3 Längendurchschnitt nach c d.

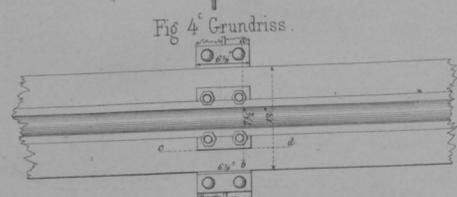


Fig 4 Grundriss.

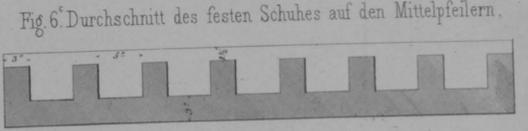


Fig 6 Durchschnitt des festen Schuhs auf den Mittelpfeilern.



Fig 7 Ansicht der Schuhe auf den Mittelpfeilern.

Fig 5 Querschnitt nach a b.

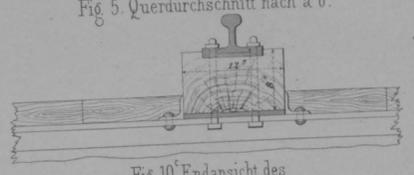


Fig 8 Durchschnitt des Rollenschuhs der Endpfeiler.

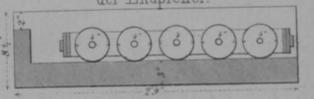


Fig 9 Grundriss des Rollenschuhs der Endpfeiler.

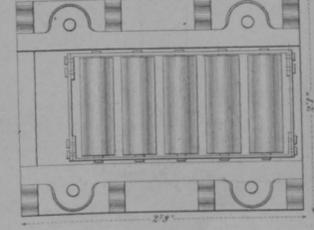


Fig 10 Endansicht des Rollenschuhs.



Fig 11 Durchschnitt des festen Schuhs.

Haase-Brücke bei Meppen.

Fig 1 Längen-Ansicht.

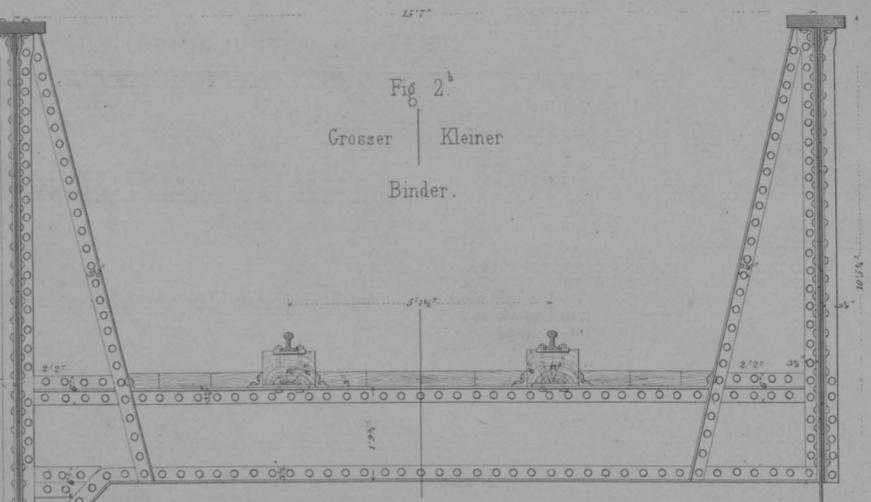


Fig 2. Grosser Kleiner Binder.

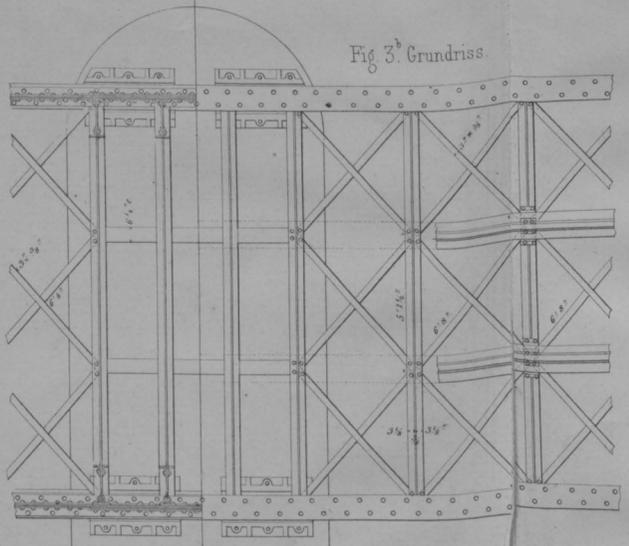


Fig 3 Grundriss.

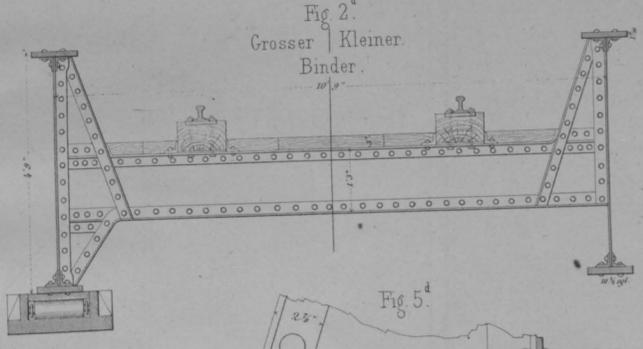


Fig 4. Grosser Kleiner Binder.

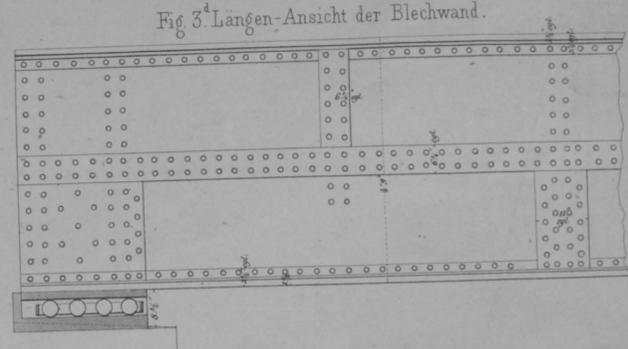
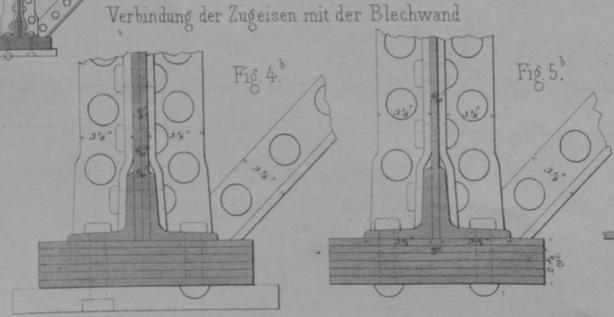
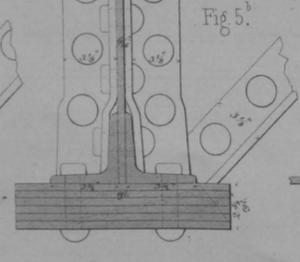


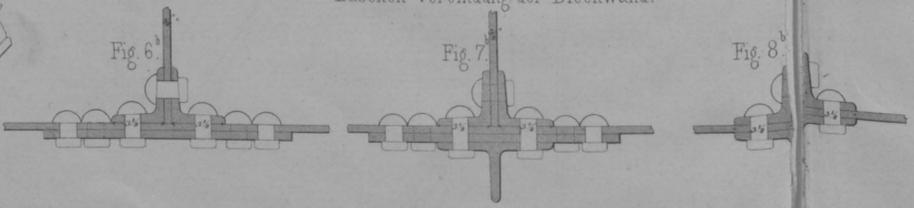
Fig 5 Längen-Ansicht der Blechwand.



Verbindung der Zugseisen mit der Blechwand



zu Fig 1, 1^b u 1^c



Laschen-Verbindung der Blechwand.

zu Fig 2 u 3, 2^b 2^c u 3^c

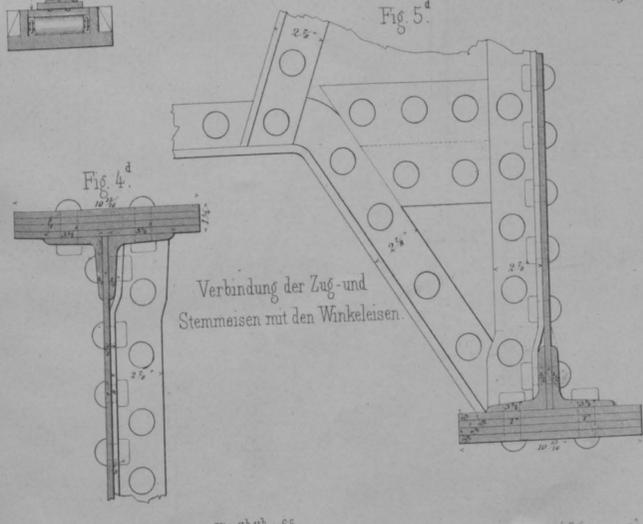


Fig 4. Verbindung der Zug- und Stemmeisen mit den Winkelseisen.

zu Fig 3^b u 6^c

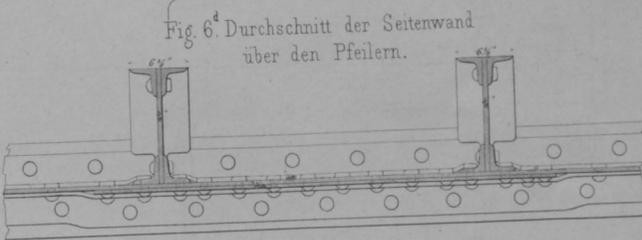
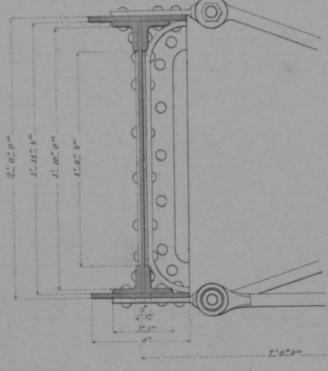


Fig 6 Durchschnitt der Seitenwand über den Pfeilern.

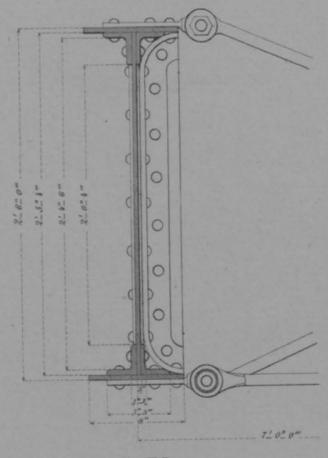
zu Fig 4, 4^b 8^c, 4^c u 5^c

PROFIL-PLAN der Blechbrücken-Constructionen.

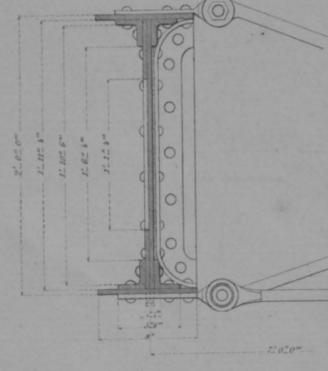
Profil I
auf 3 1/2° Sp.



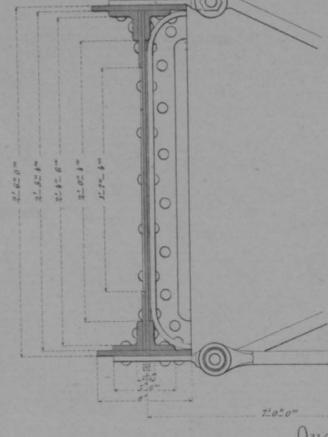
Profil III
auf 5° Sp.



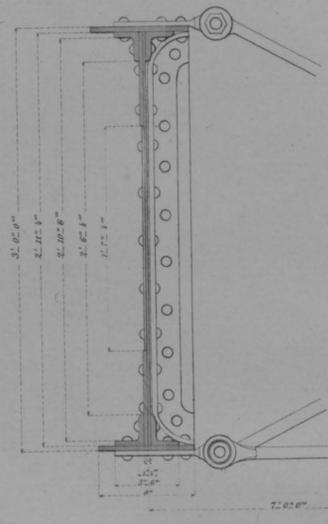
Profil II
auf 4 1/2° Sp.



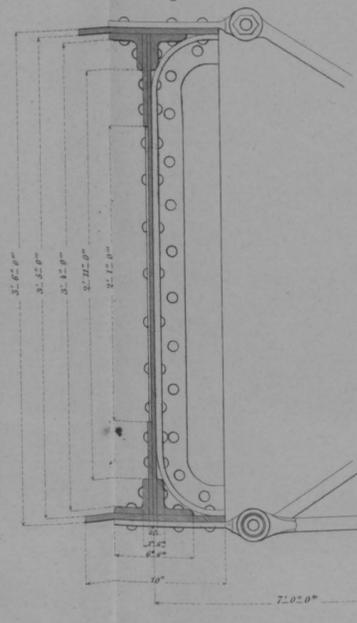
Profil IV
auf 5 1/2° Sp.



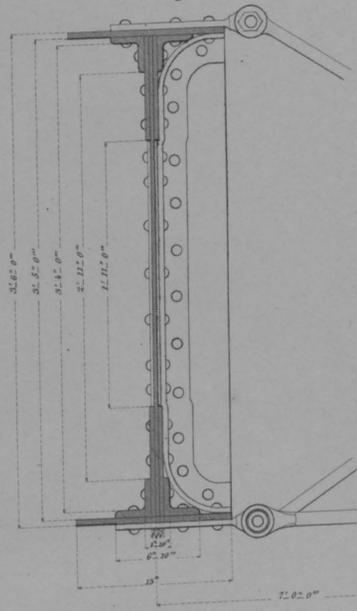
Profil V
auf 6° Sp.



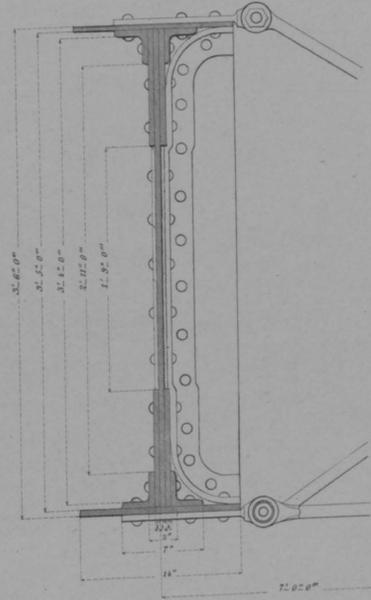
Profil VI
auf 7° Sp.



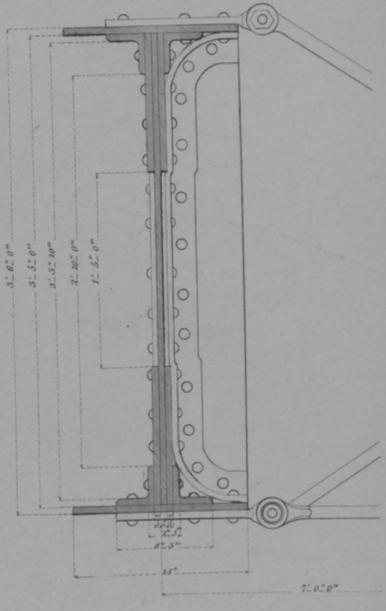
Profil VII
auf 8° Sp.



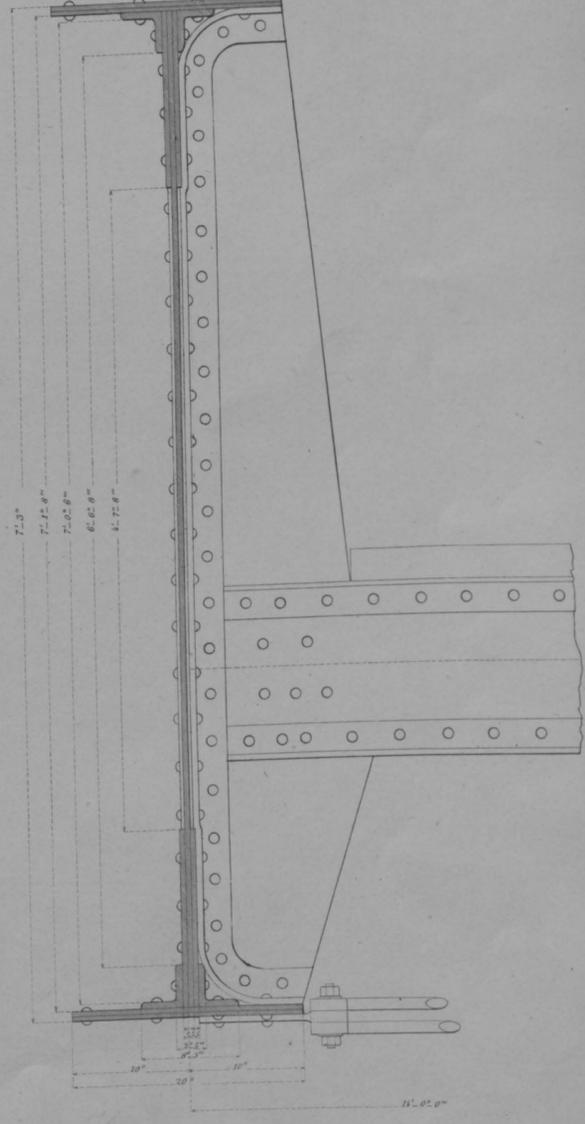
Profil VIII
auf 9° Sp.



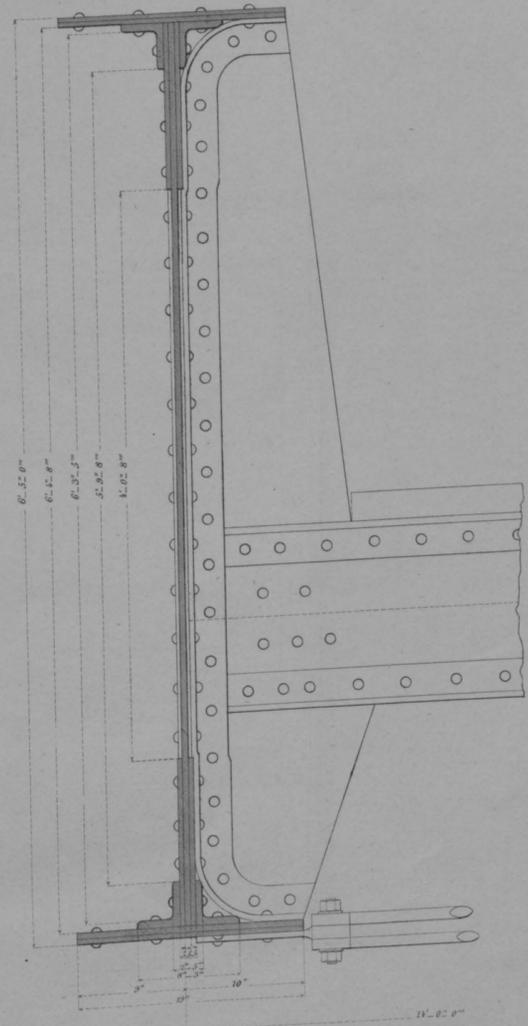
Profil IX
auf 10° Sp.



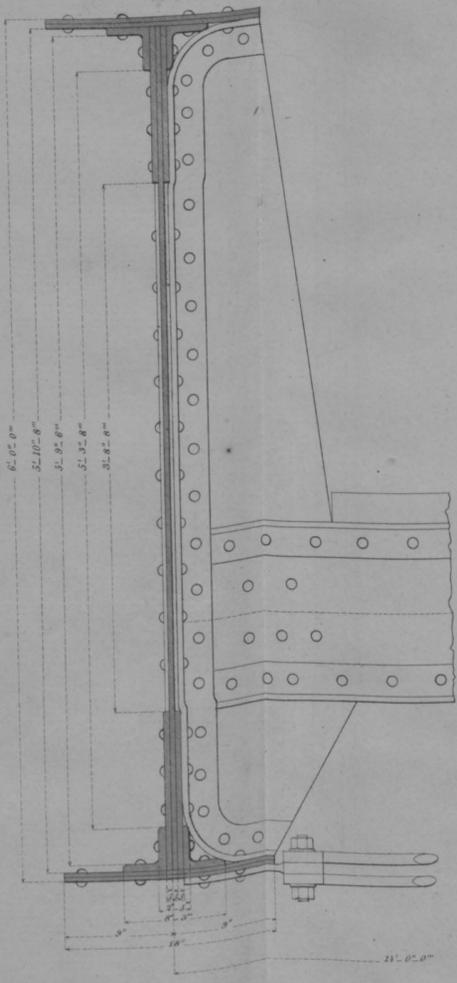
Querprofil XIV
auf 20° Sp.



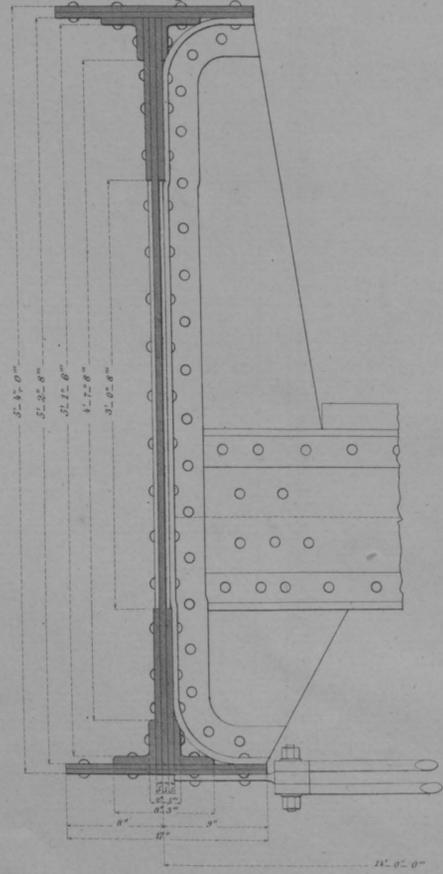
Querprofil XIII
auf 18° Sp.



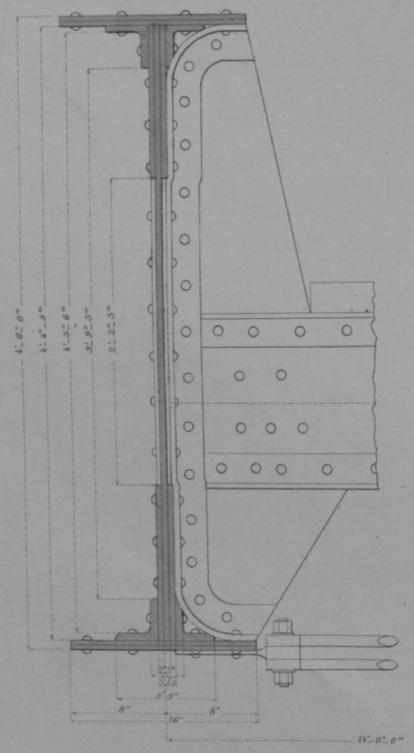
Querprofil XII
auf 16° Sp.



Querprofil XI
auf 14° Sp.

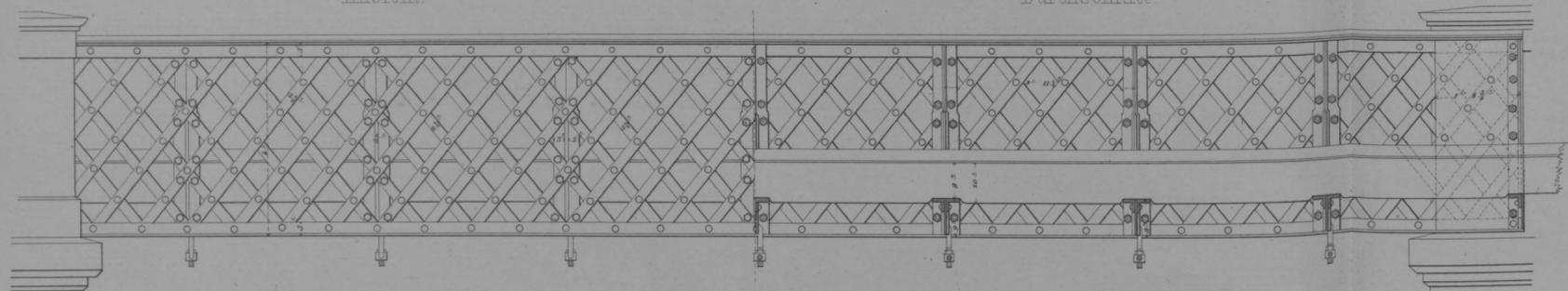


Querprofil X
auf 12° Sp.

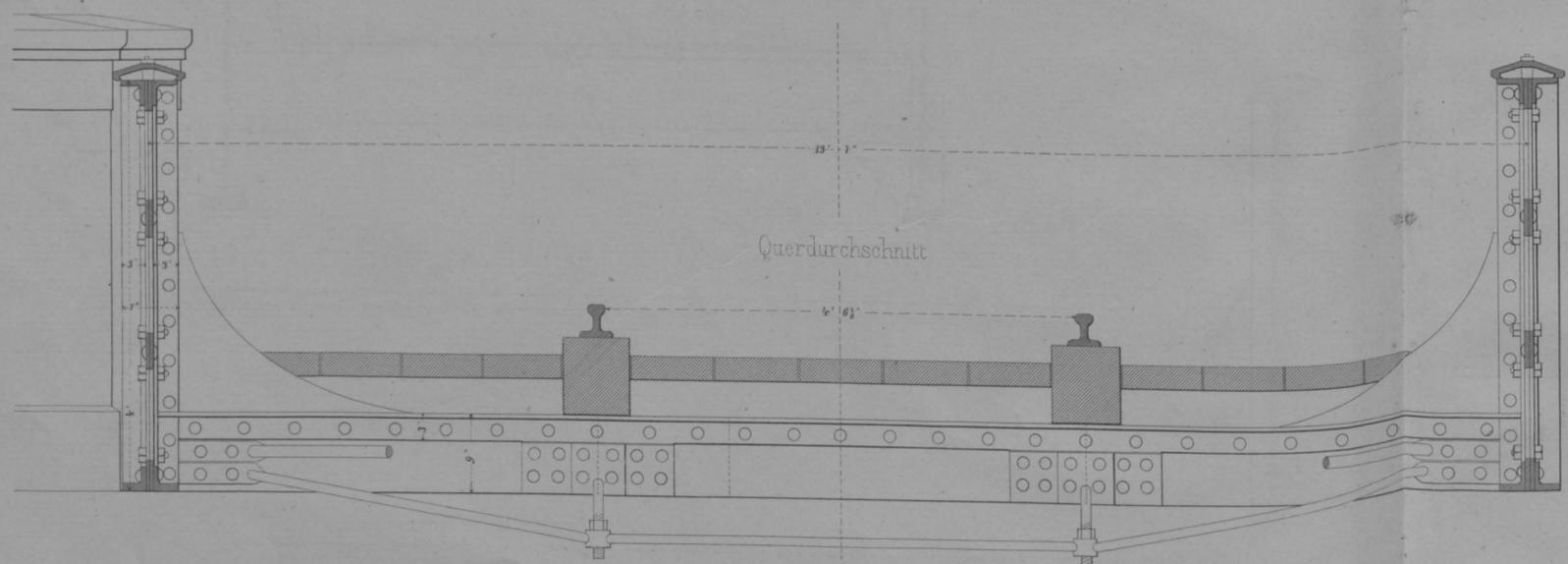
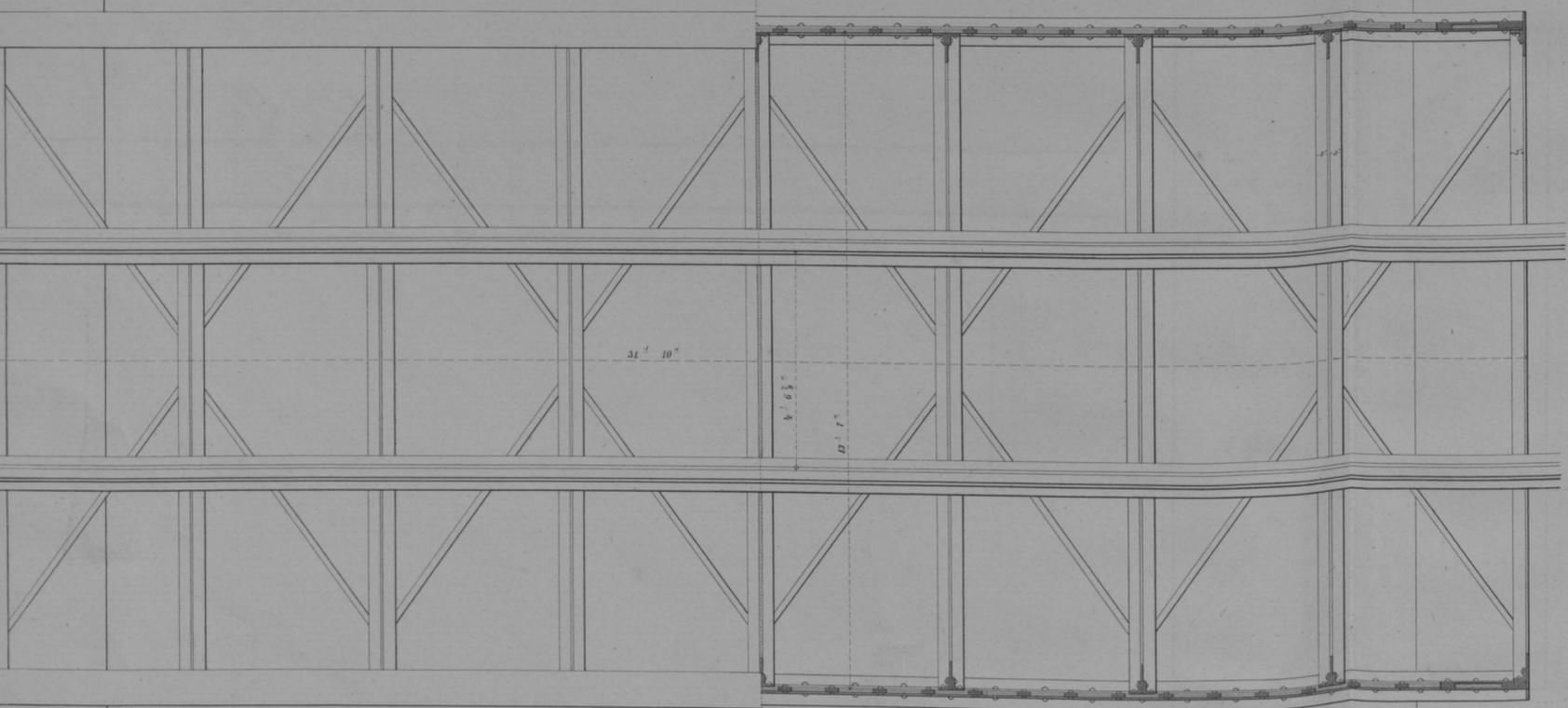


Ansicht

Durchschnitt



Grundriss



Querdurchschnitt

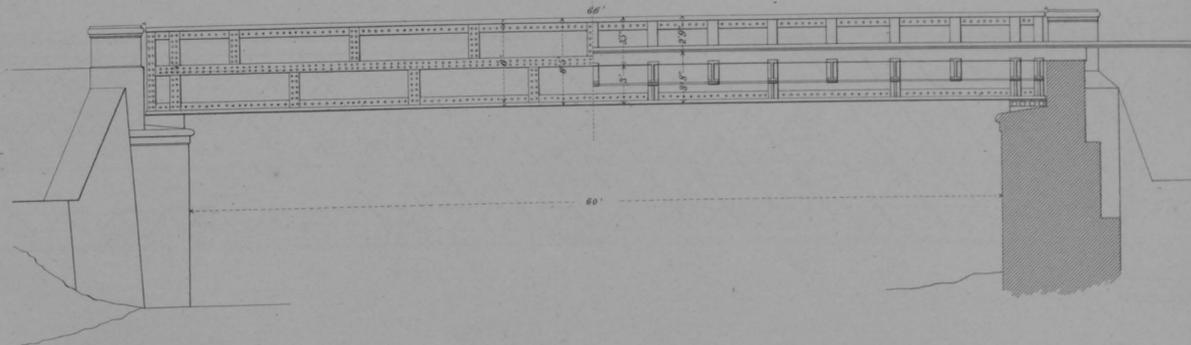
zur Ansicht u. Grundriss

Maafsstab - 1:32

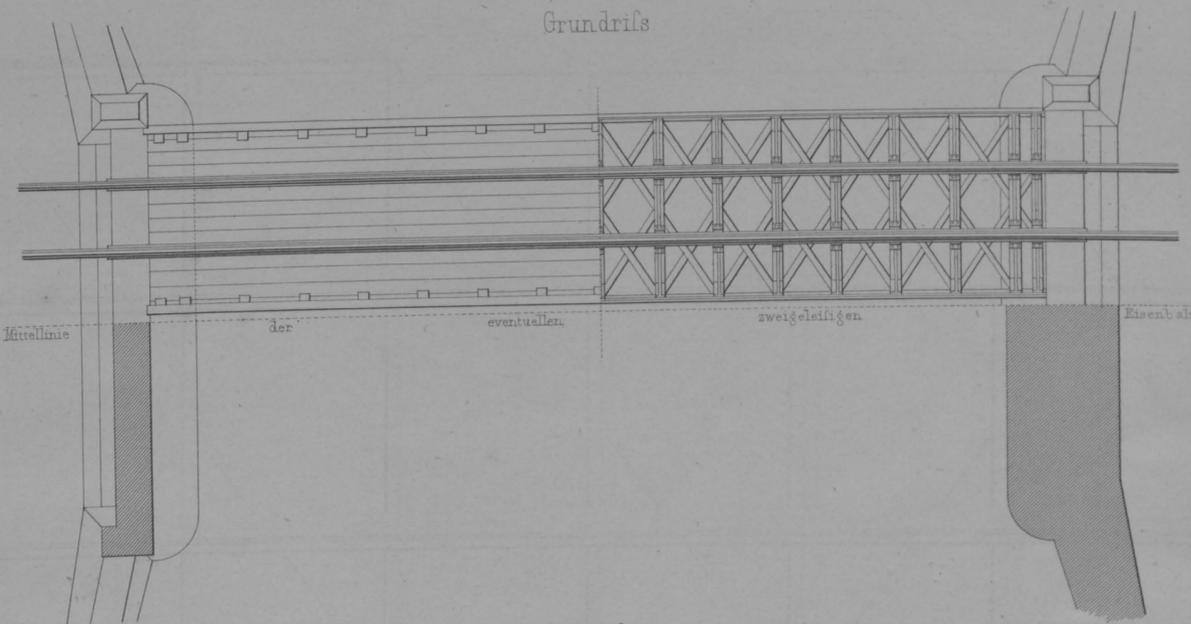
Fluss rhl

- 1:16

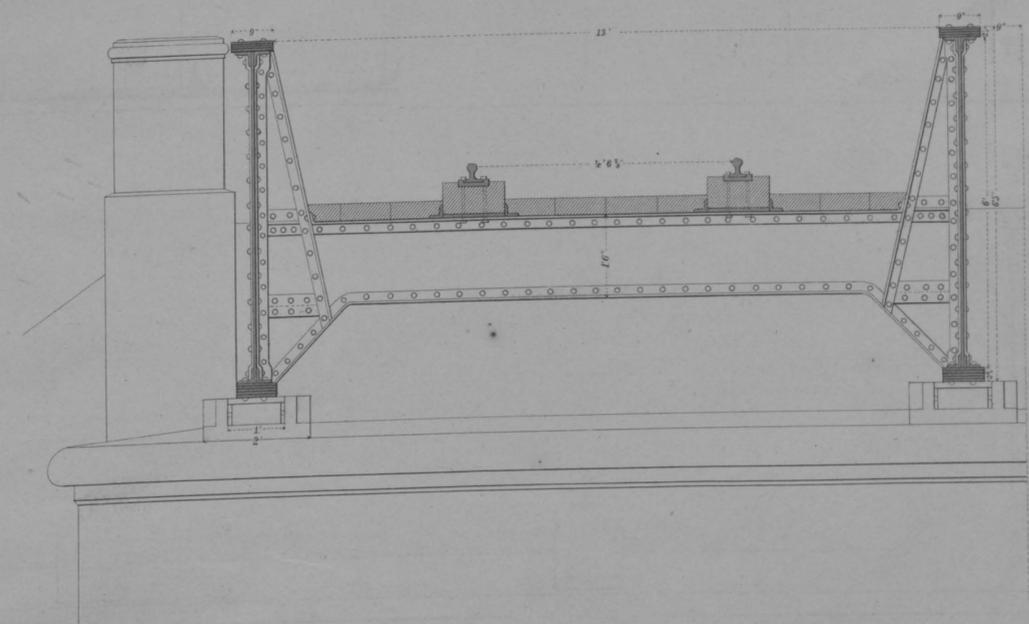
Ansicht und Durchschnitt



Grundriss



Querschnitt



Maafsstab - 1:120

zur Ansicht u. Grundriss

- 1:30

zum Querschnitt

Brücke über die Münstersche Aa in Sect.I. Stat. 222. (Fig 1-6.)

Durchschnitt

Fig 1.

Ansicht

Fig 5.

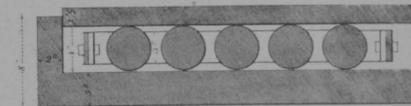
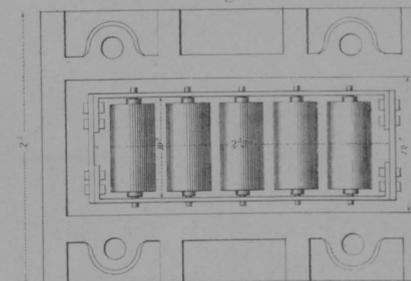


Fig 6.



Brücke über den Emsdettter Bach in Sect.II. Stat. 150. (Fig 7-10.)

Ansicht

Fig 7.

Durchschnitt

Oberansicht und Durchschnitt

Fig 2.

Oberansicht und Durchschnitt

Fig 8.

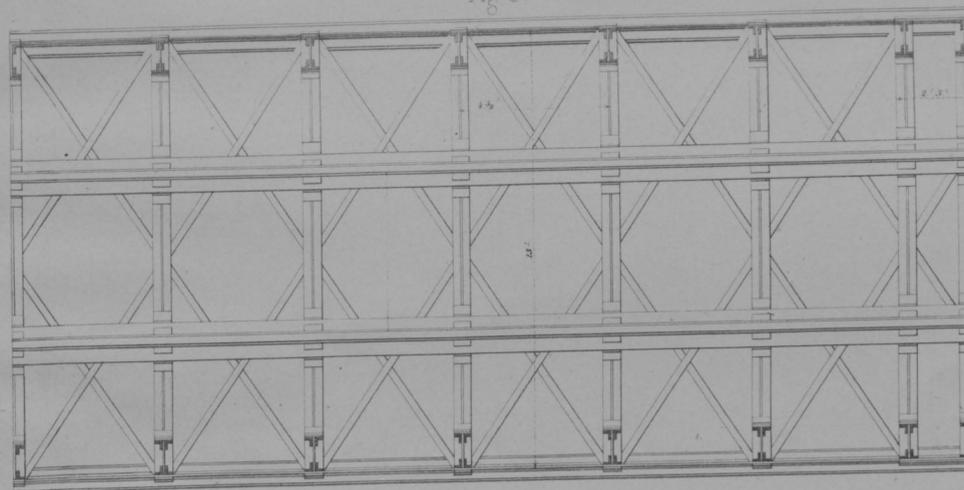
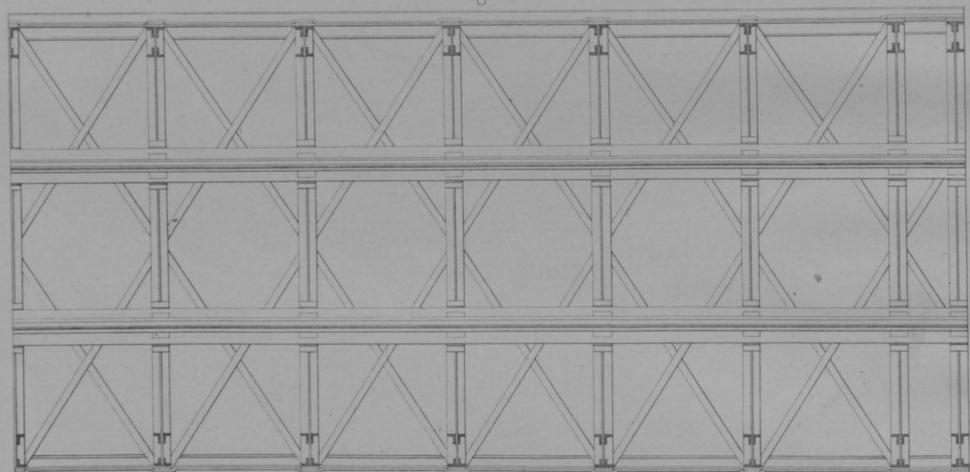
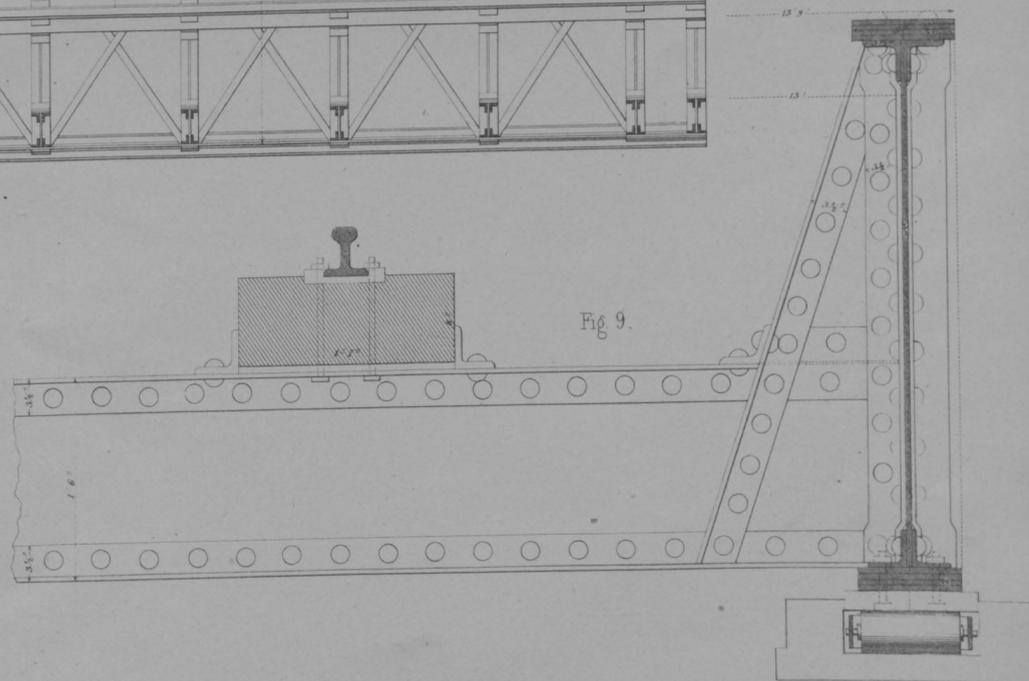
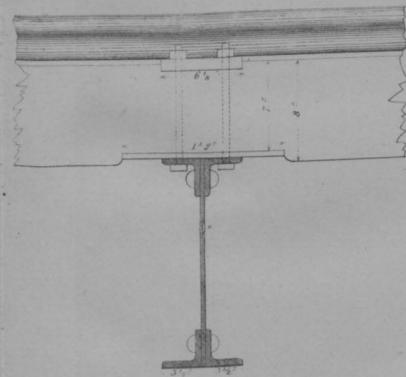
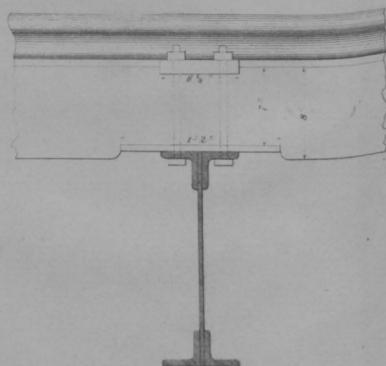
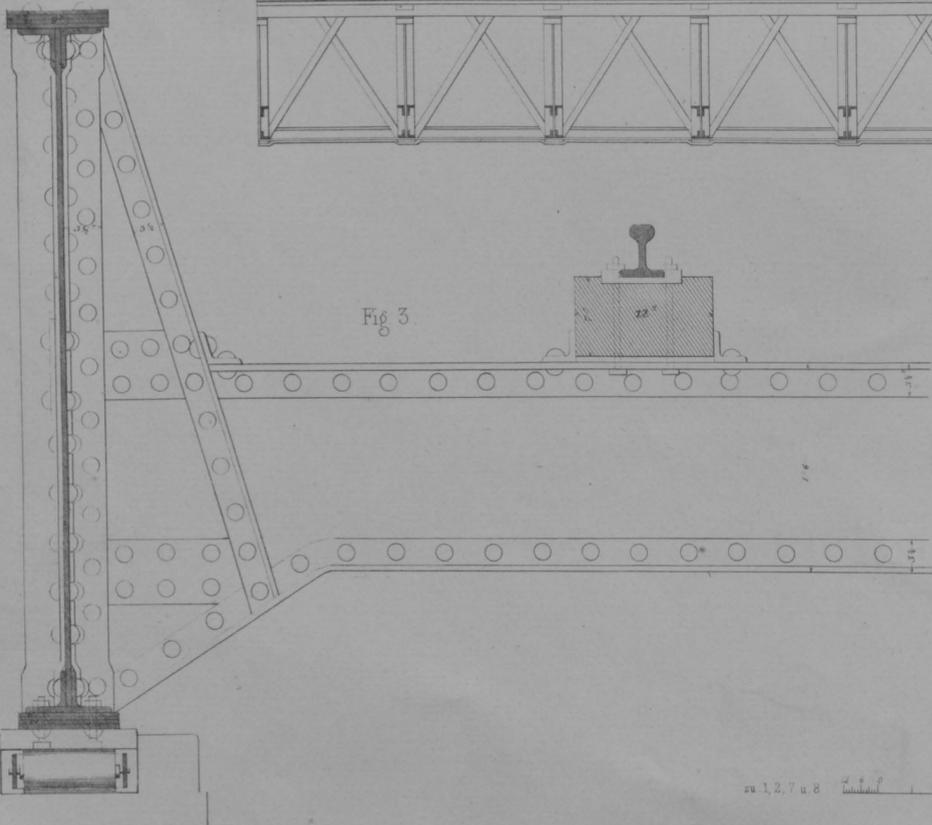


Fig 3.

Fig 4.

Fig 10.

Fig 9.



Maasstab-1:48.

zu 1, 2, 7 u. 8

1:12.

zu 3 - 6, 9 u. 10

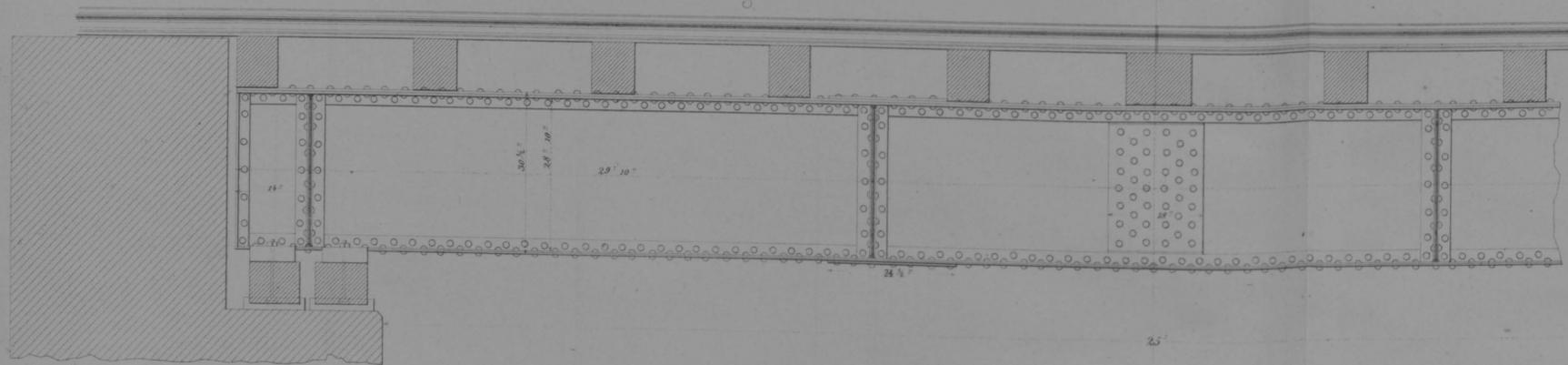
zu Fig. 9 u. 10

Fig 6.

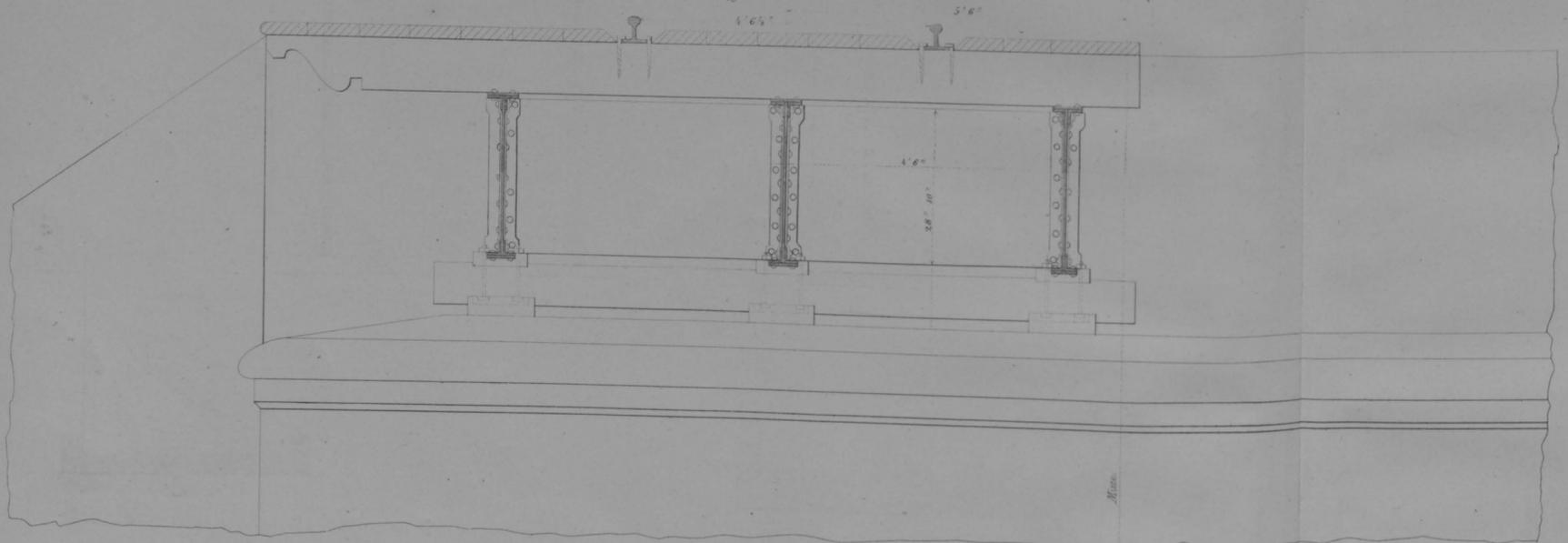
MÜNSTER - RHEINE - EISENBAHN.

Brücke über den Hauenhorster Bach in Sect. II. Stat. 404.

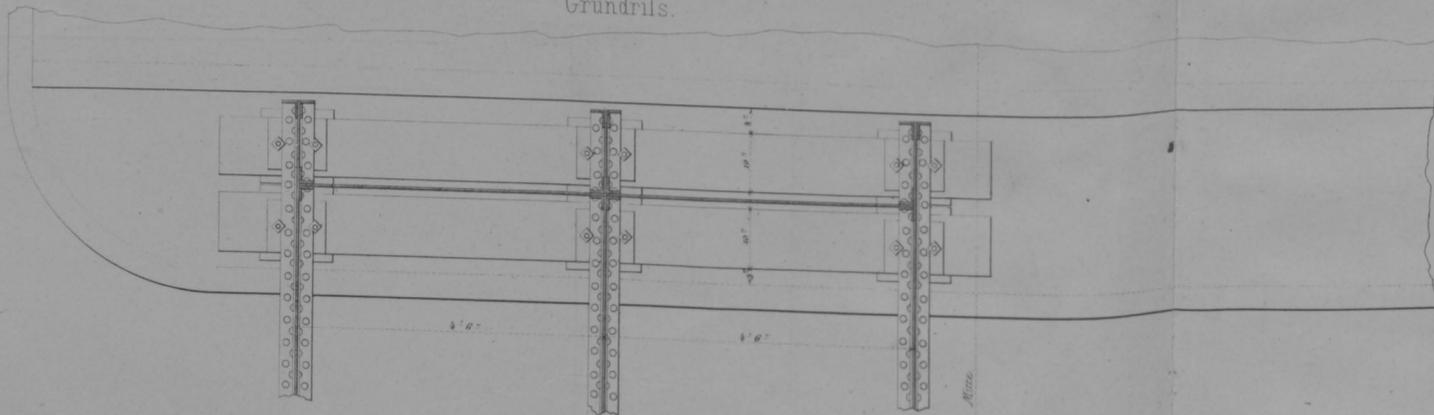
Längendurchschnitt



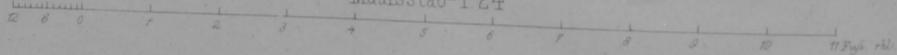
Querdurchschnitt



Grundriss



Maassstab-1:24



Maassstab zu den Trägern, Quer u Stofsverbindungen

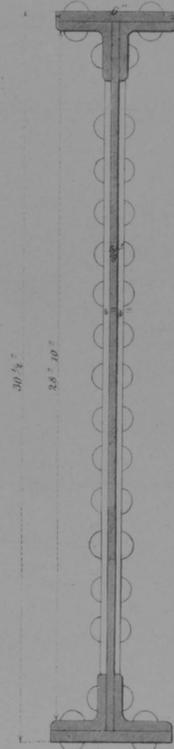
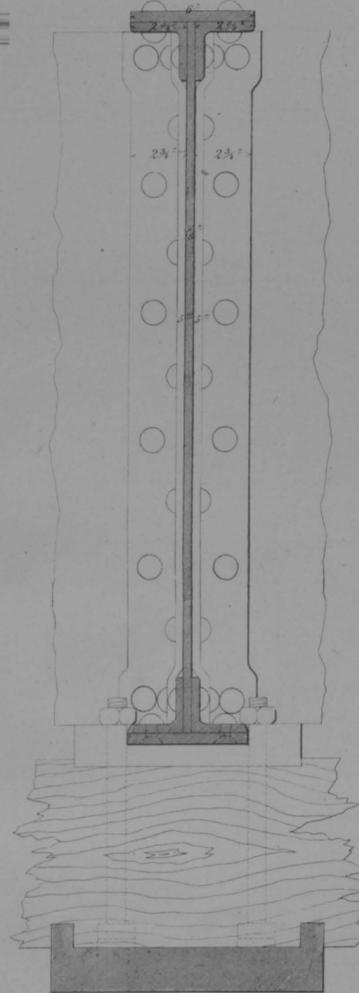
- 1:6



Mittel-Träger

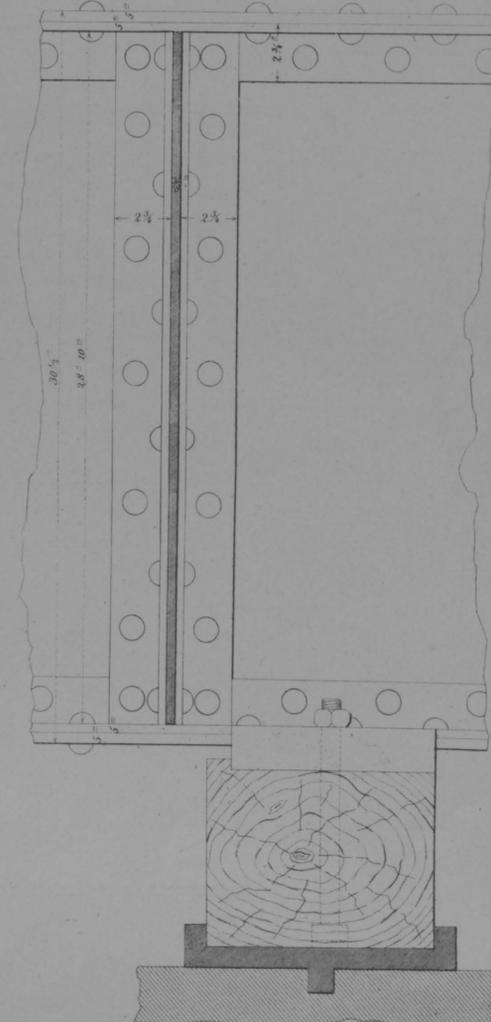
am Ende

beim Stofs



Querverbindung

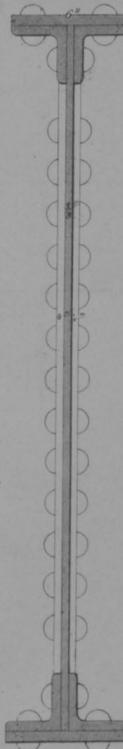
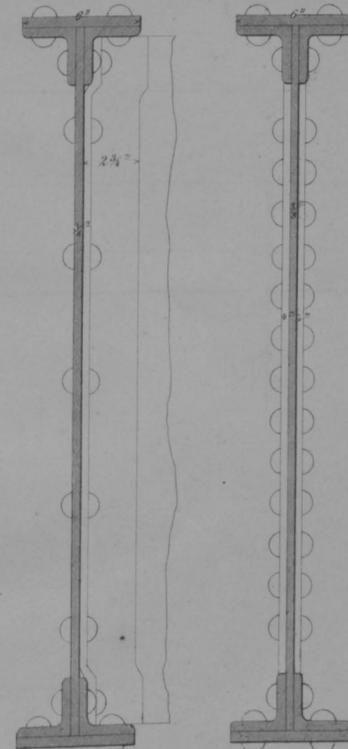
am Ende



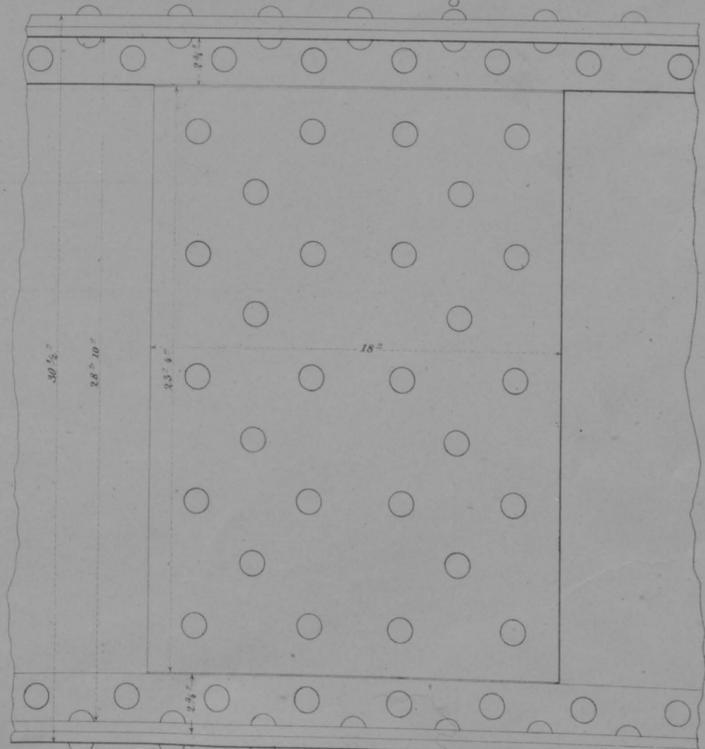
Außen-Träger

am Ende

beim Stofs



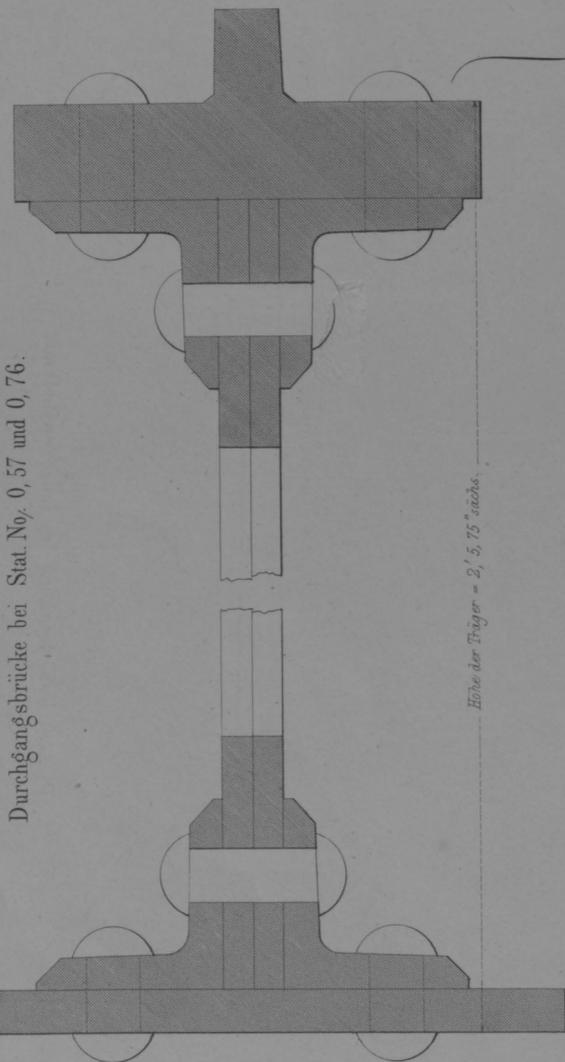
Stofsverbindung



SÄCHSISCH-SCHLESISCHE STAATSBAHN.

SÄCHSISCH-BAYERISCHE STAATSBAHN.

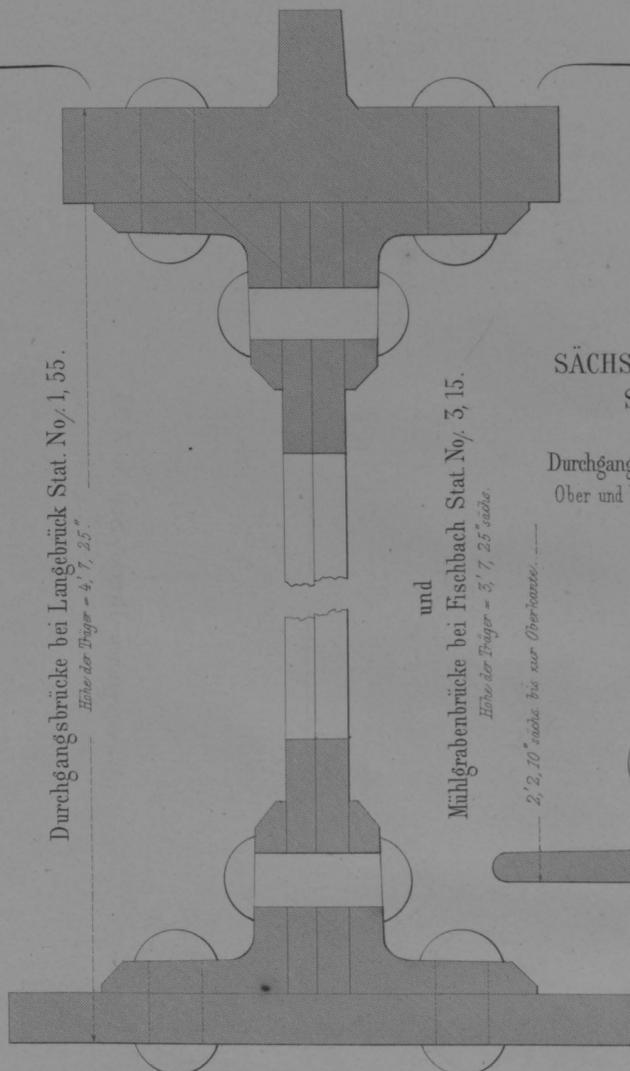
No. 1 und 2.



Durchgangsbrücke bei Stat. No. 0, 57 und 0, 76.

Höhe der Träger = 2', 5, 75" sächs.

No. 3 und 5.



Durchgangsbrücke bei Langebrück Stat. No. 1, 55.

Höhe der Träger = 4', 7, 25"

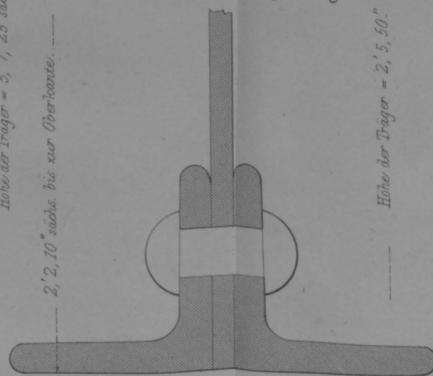
Mühlgrabenbrücke bei Fischbach Stat. No. 3, 15.
und
Höhe der Träger = 3', 7, 25" sächs.

2', 2, 10" sächs. bis zur Oberkante.

SÄCHSISCH-BAYERISCHE STAATSBAHN.

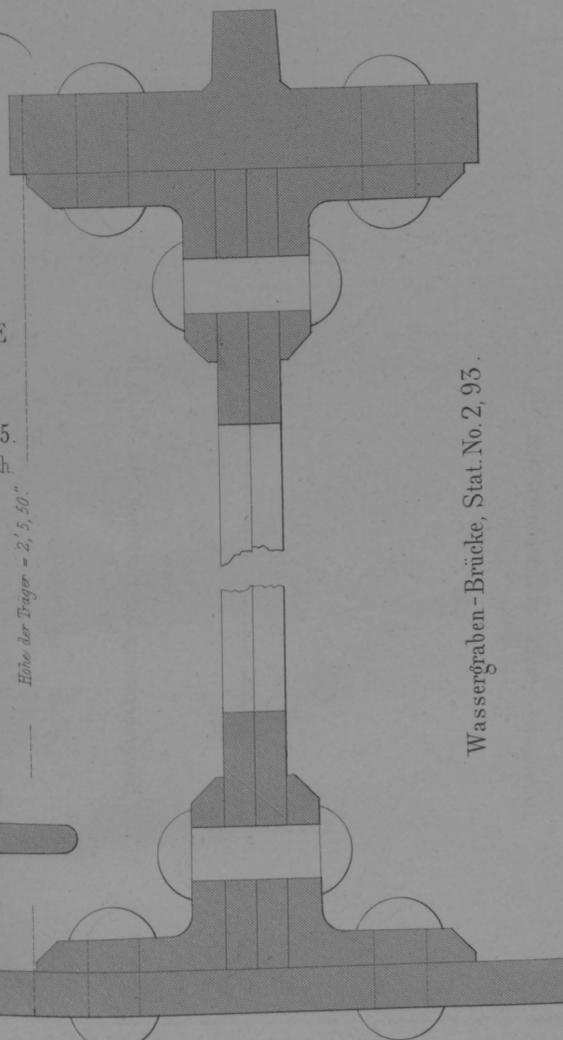
No. 16.

Durchgangsbrücke bei Stat. No. 1645.
Ober und Untertheile der Träger sind gleich.



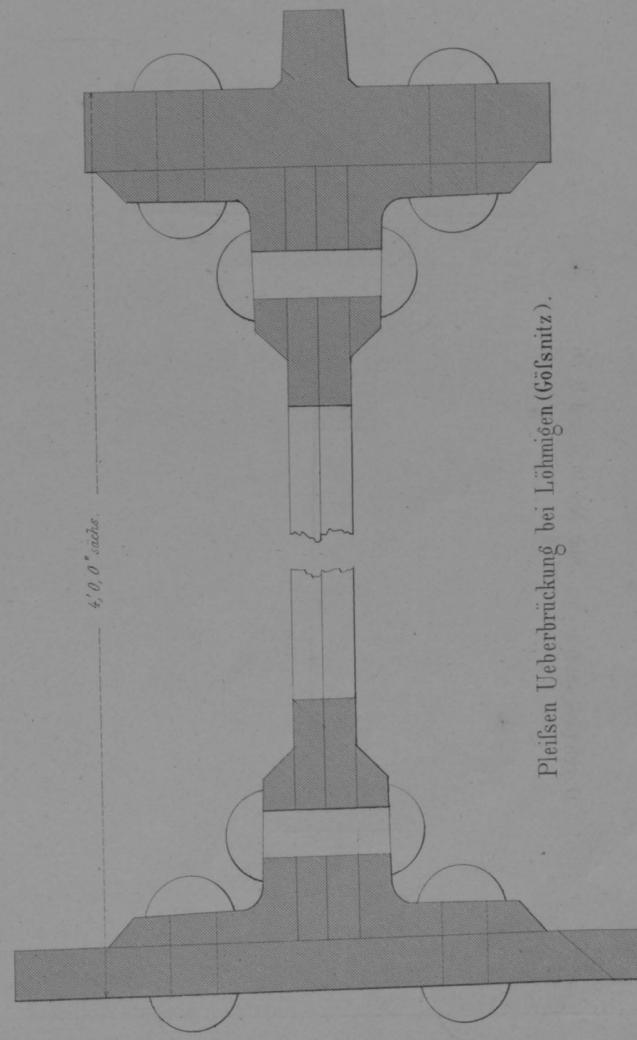
Höhe der Träger = 2', 5, 50"

No. 4.



Wassergraben-Brücke, Stat. No. 2, 93.

No. 7.



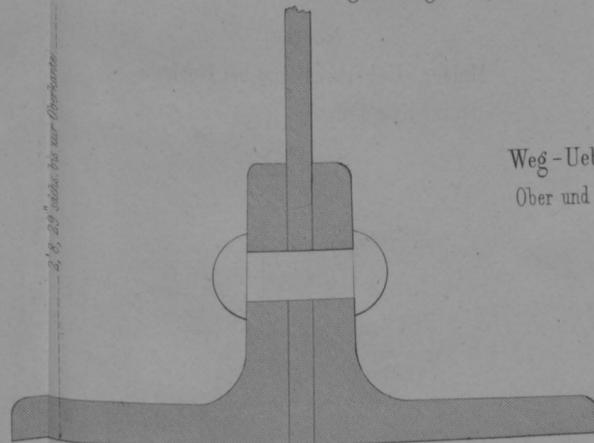
Pleifsen Ueberbrückung bei Löhmitz (Gölsnitz).

4', 0, 0" sächs.

SÄCHSISCH-BAYERISCHE STAATSBAHN.

No. 17.

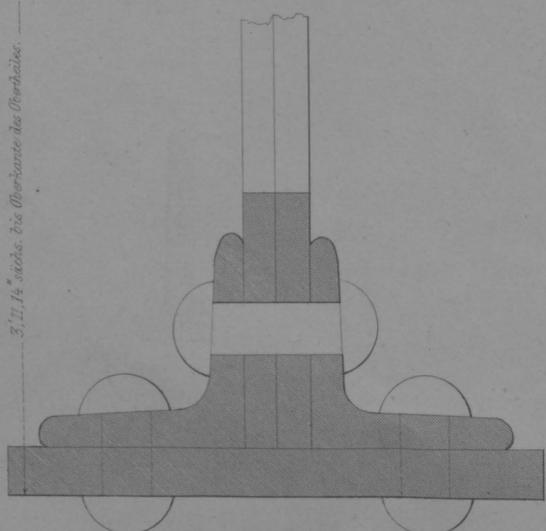
Durchgangsbrücke bei Libau Stat. No. 1960.
Ober und Untertheile der Träger sind gleich.



2', 8, 29" sächs. bis zur Oberkante.

No. 6.

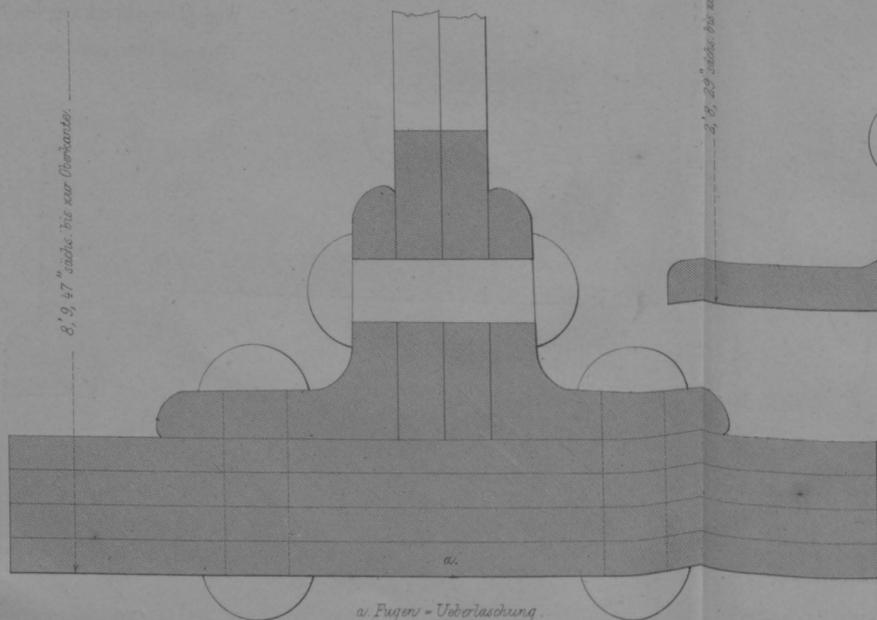
Pleifsen-Ueberbrückung bei Münsa (Altenburg).
Ober und Untertheile der Träger sind gleich.



3', 11, 14" sächs. bis Oberkante der Überbauten.

No. 8.

Mulden-Ueberbrückung bei Bockwa.
Ober und Untertheile der Träger sind gleich.

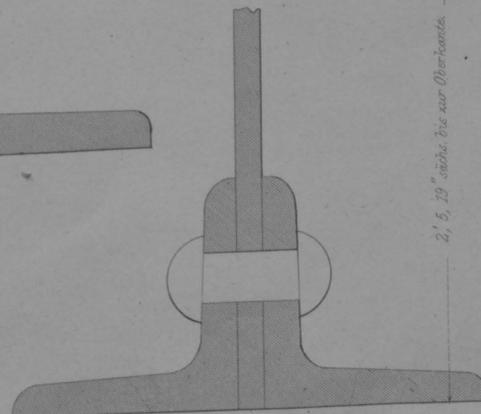


8', 9, 47" sächs. bis zur Oberkante.

a. Fugen-Ueberdeckung.

No. 10.

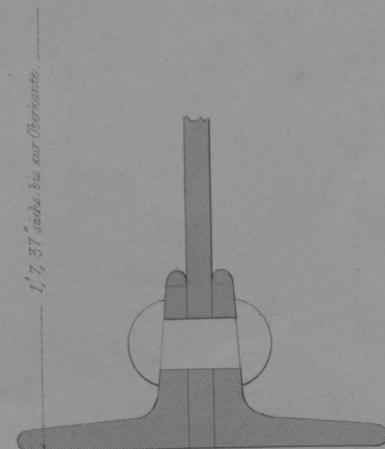
Weg-Ueberbrückung bei Stat. No. 1240.
Ober und Untertheile der Träger sind gleich.



2', 5, 19" sächs. bis zur Oberkante.

No. 9, 11, 12, 13, 14 und 15.

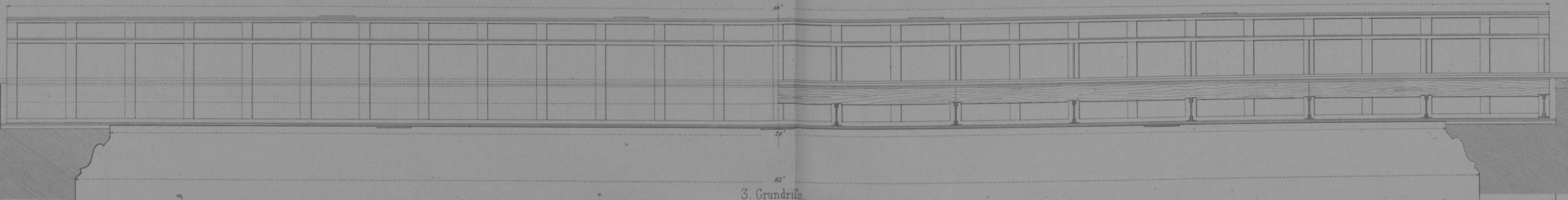
Bach- und Durchgangsbrücke bei Stat. No. 1202.
Durchgangsbrücke bei Stat. No. 1548, 1555, 1530, 1652, 1657.
Ober und Untertheile der Träger sind gleich.



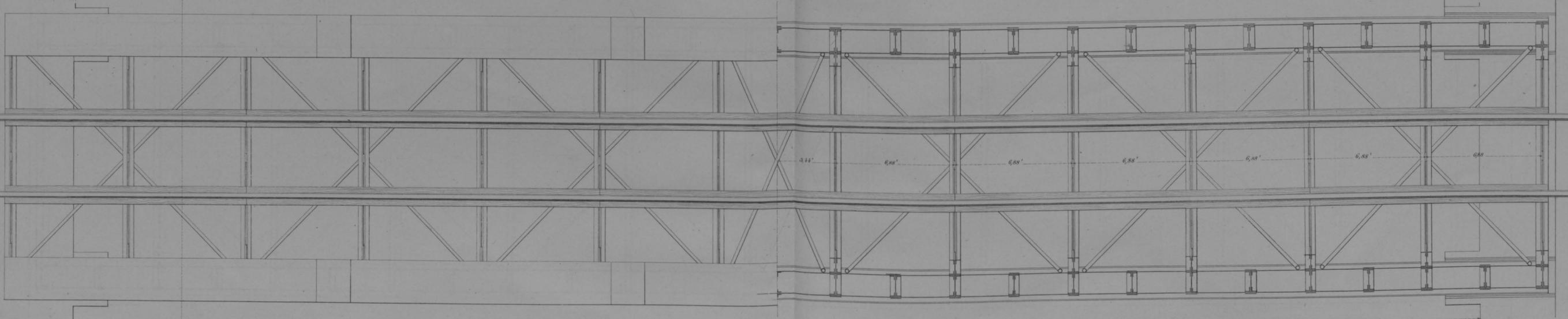
1', 7, 37" sächs. bis zur Oberkante.

1. Ansicht.

2. Längenschnitt.

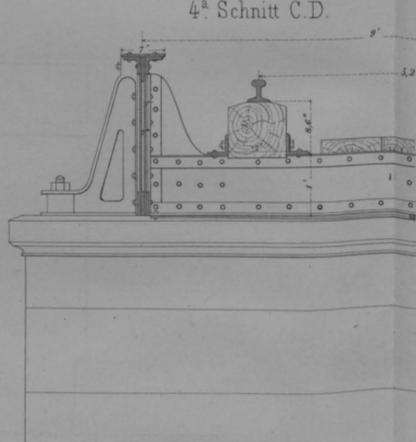
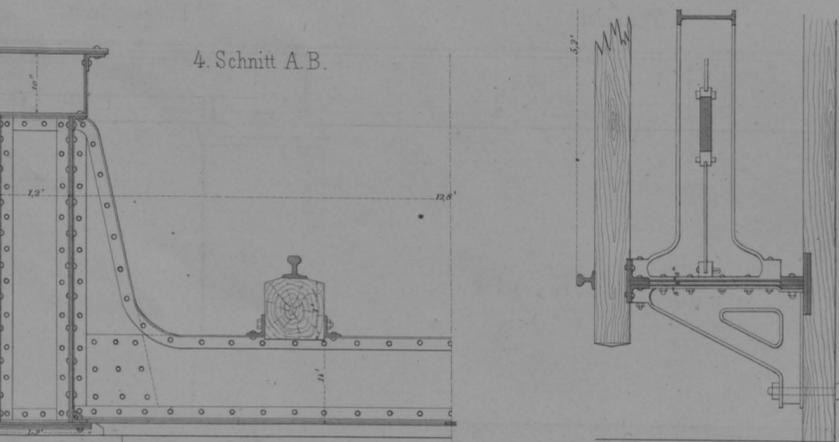


3. Grundrifs.



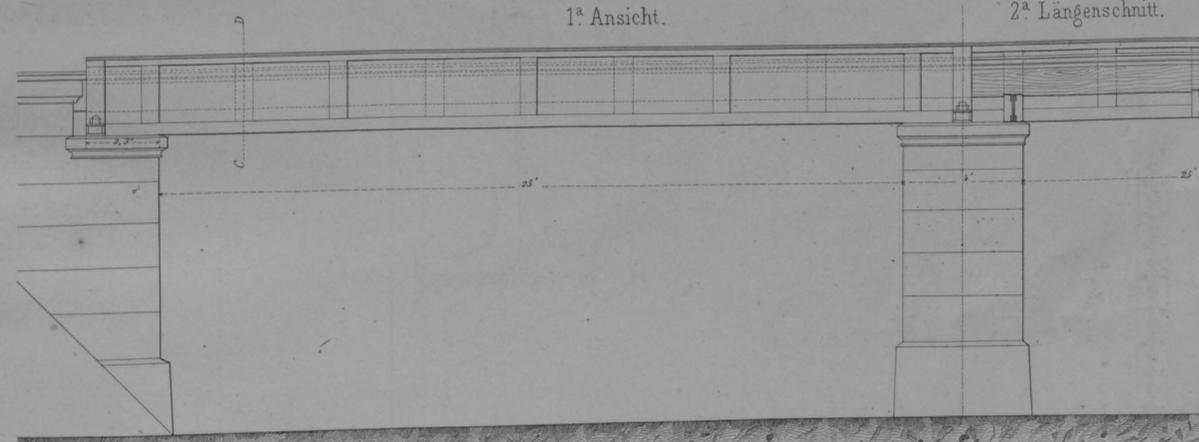
4^b Schnitt E.F.

4^a Schnitt C.D.

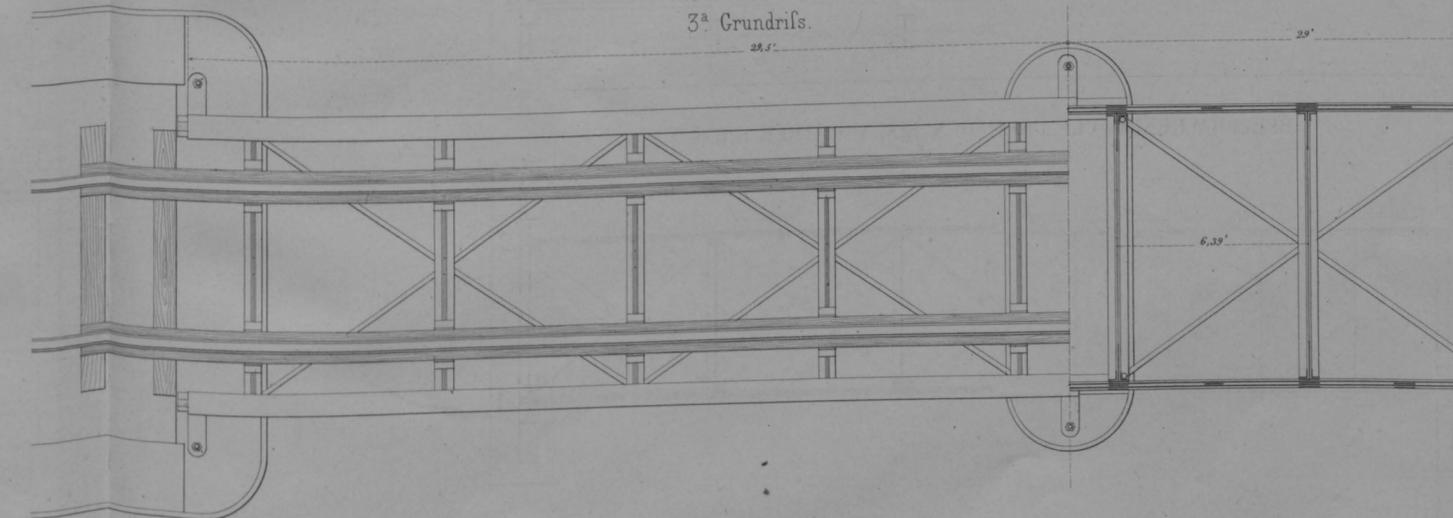


INUNDATIONSBRÜCKE BEI HEILBRONN.
1^a Ansicht.

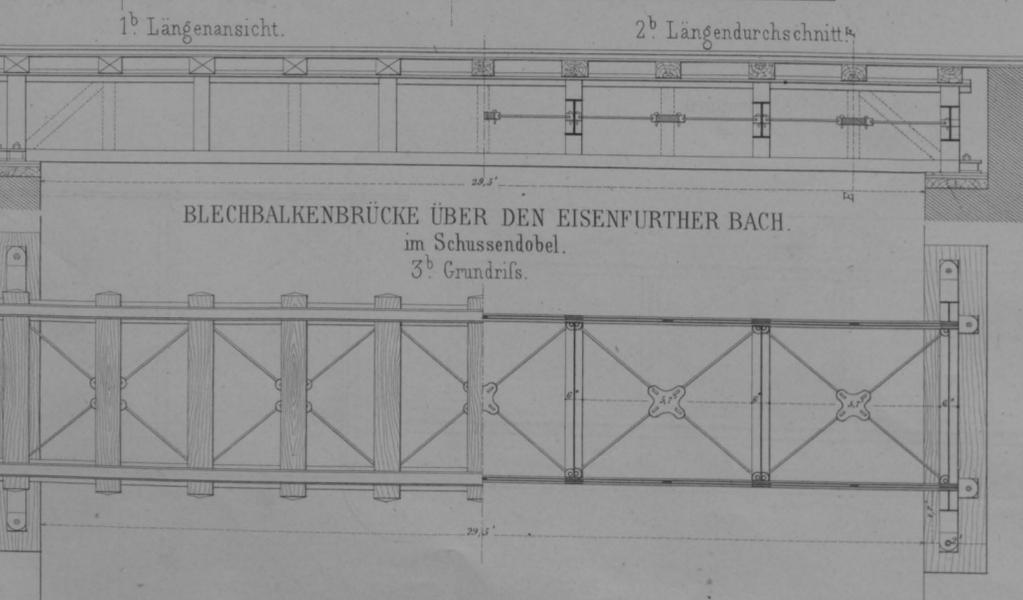
2^a Längenschnitt.



3^a Grundrifs.



BLECHBALKENBRÜCKE ÜBER DEN EISENFURTHER BACH.
im Schussendobel.
3^b Grundrifs.

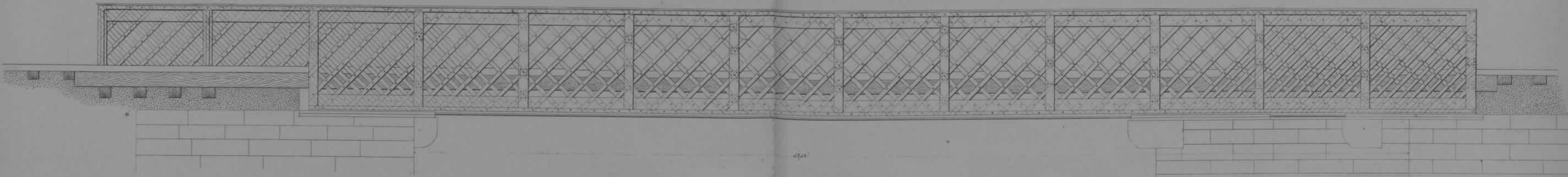


Maafsstab = 1: 50.

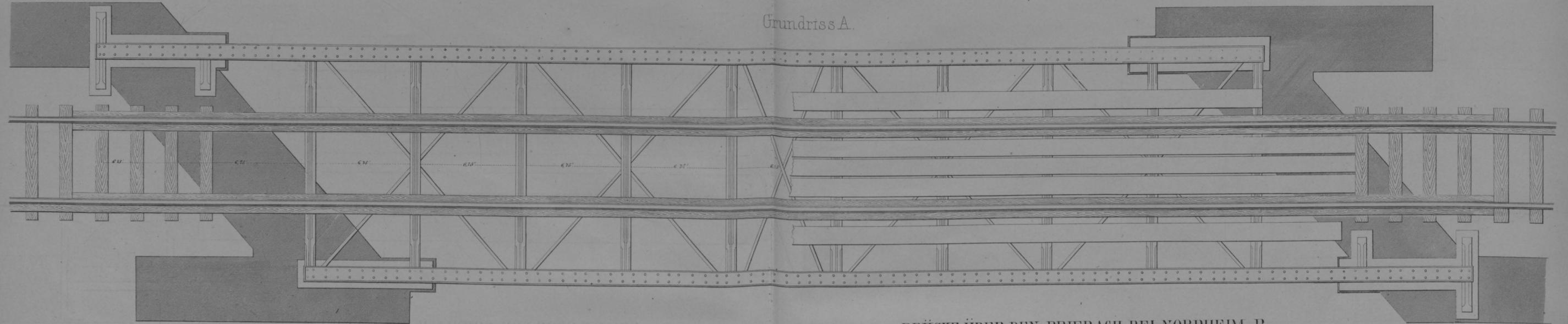
Maafsstab = 1: 25.

GITTERBBÜCKE ÜBER DIE AACH BEI NIEDERBIEGEN. A.

Ansicht

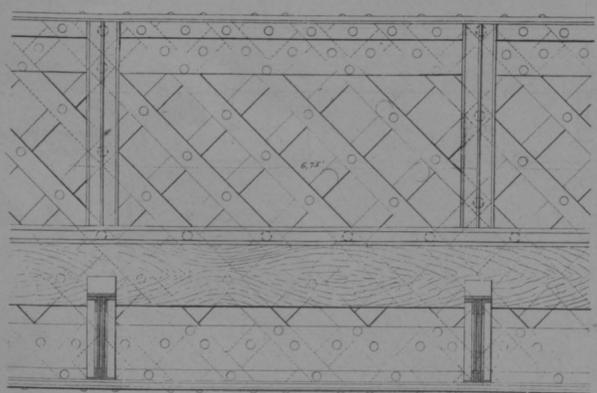


Grundriss A.

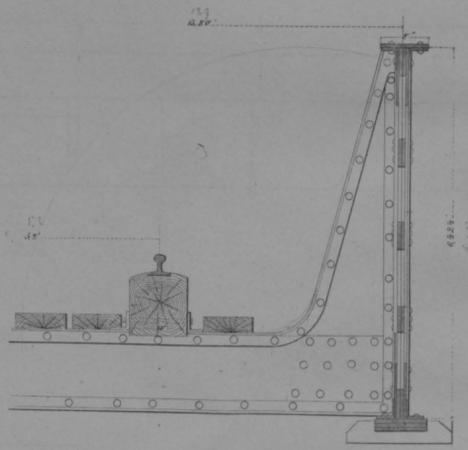


BRÜCKE ÜBER DEN BRIEBACH BEI NORDHEIM. B.

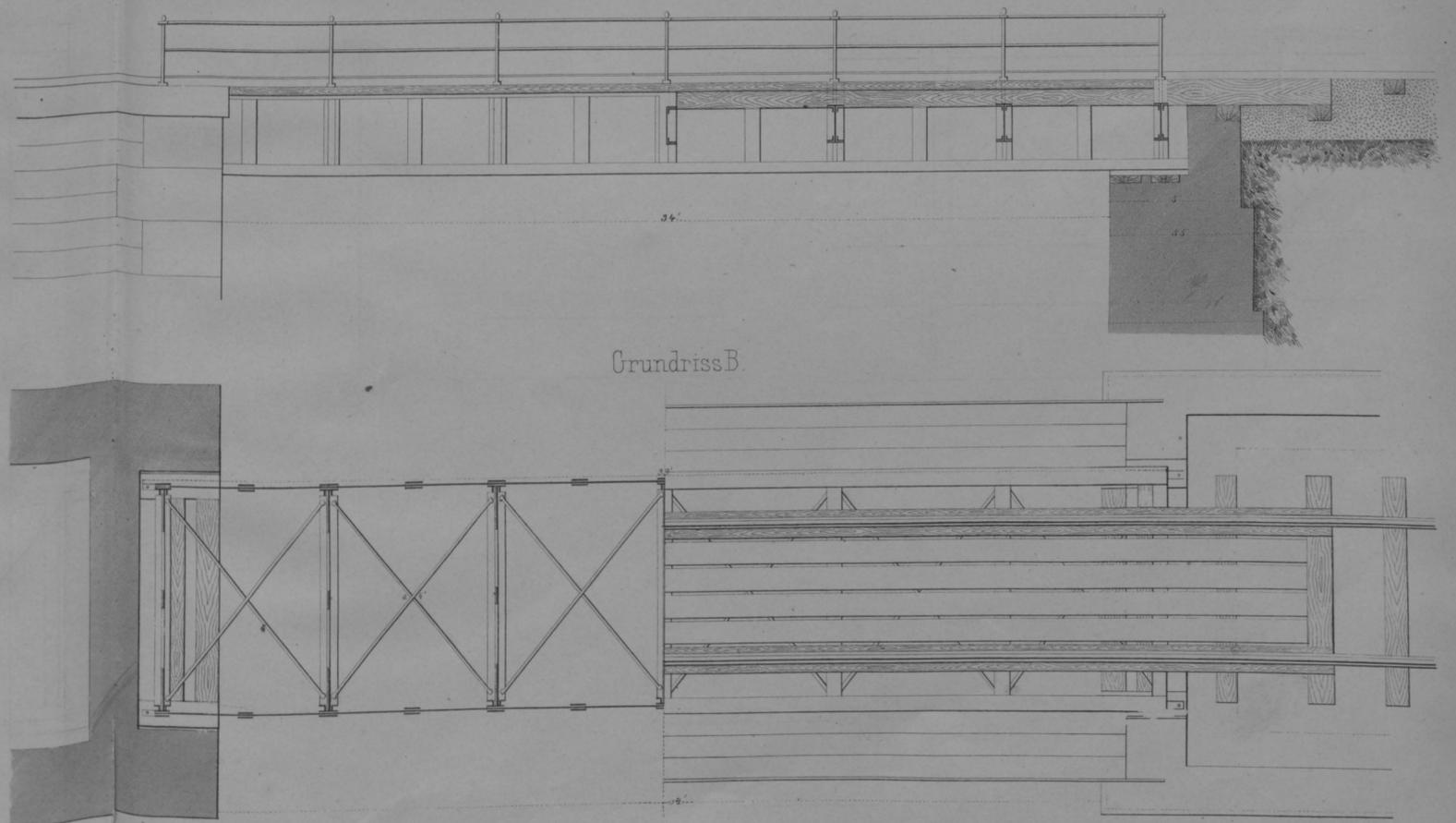
Längenschnitt A.



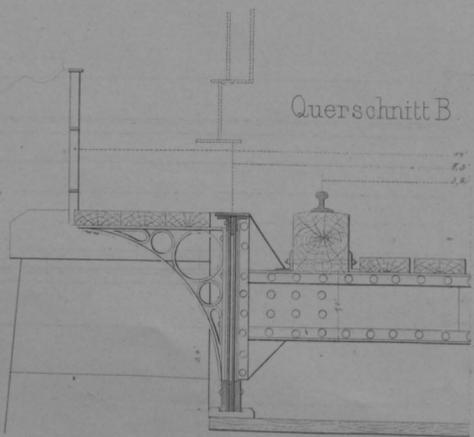
Querschnitt A



Grundriss B.



Querschnitt B

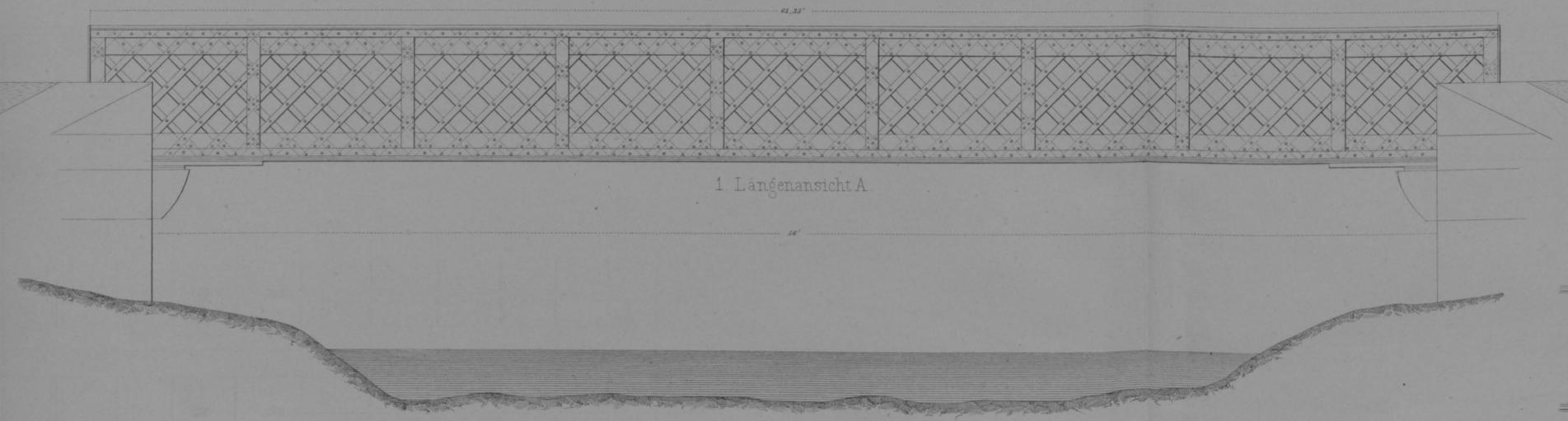


GITTERBRÜCKE IM SCHUSSENOBEL.

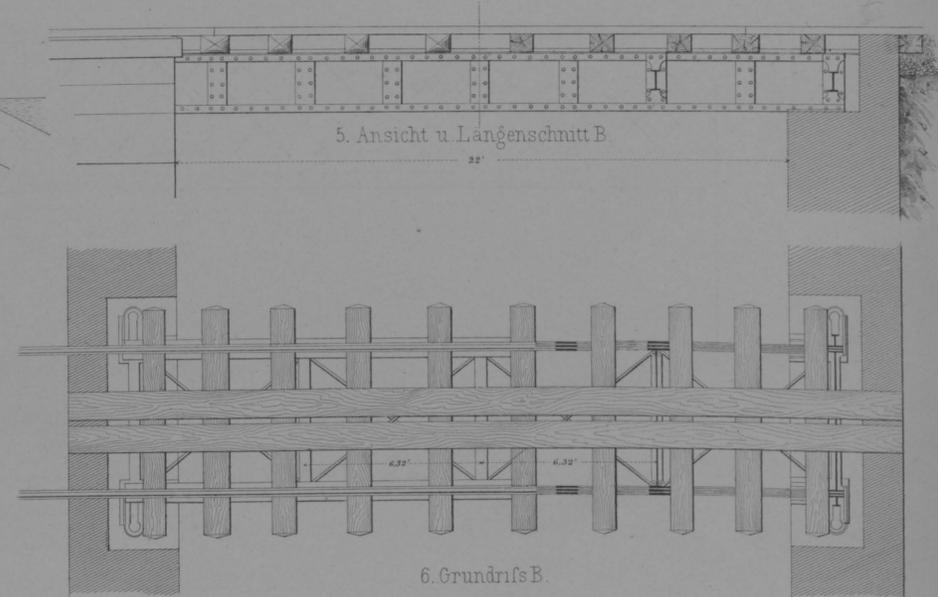
A.

INUNDATIONSBRÜCKE BEI ERBACH.

B.

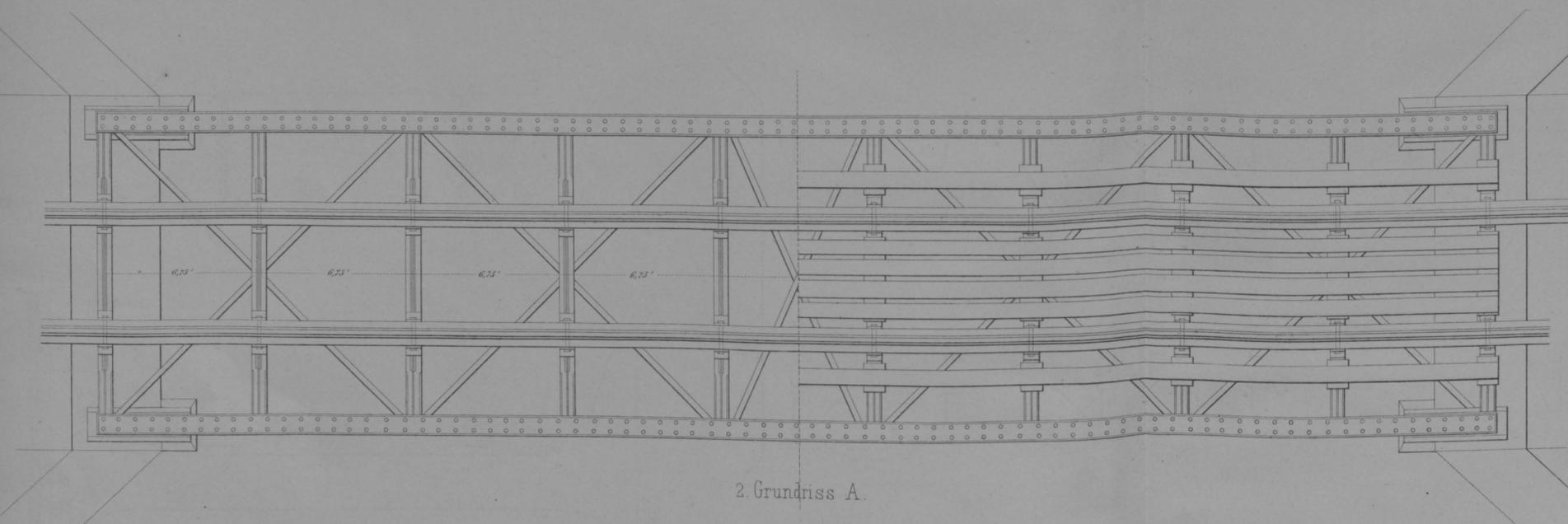


1 Längenschnitt A

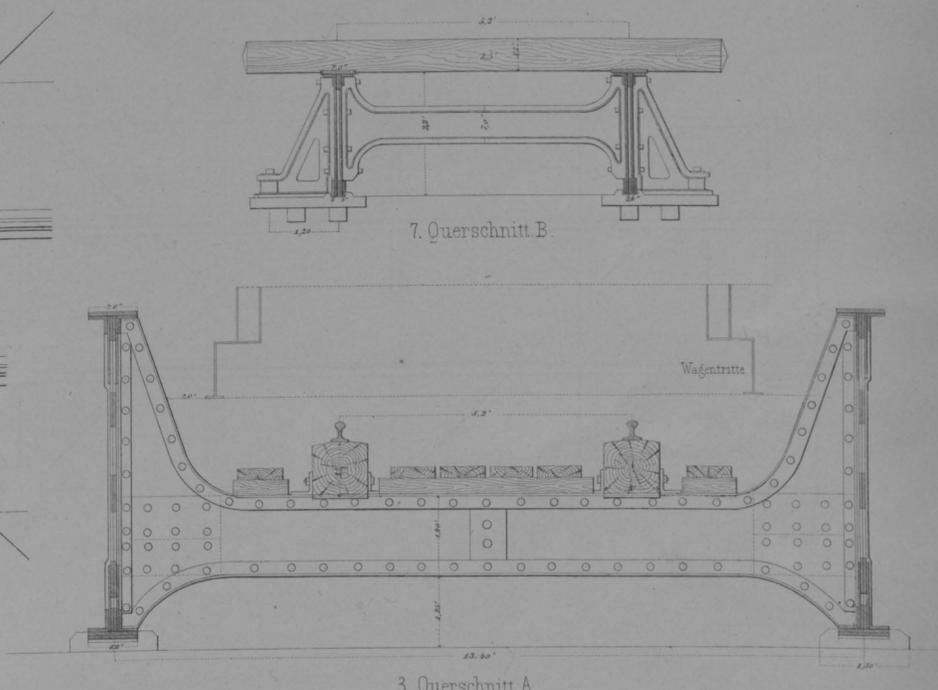


5. Ansicht u. Längenschnitt B

6. Grundriss B.

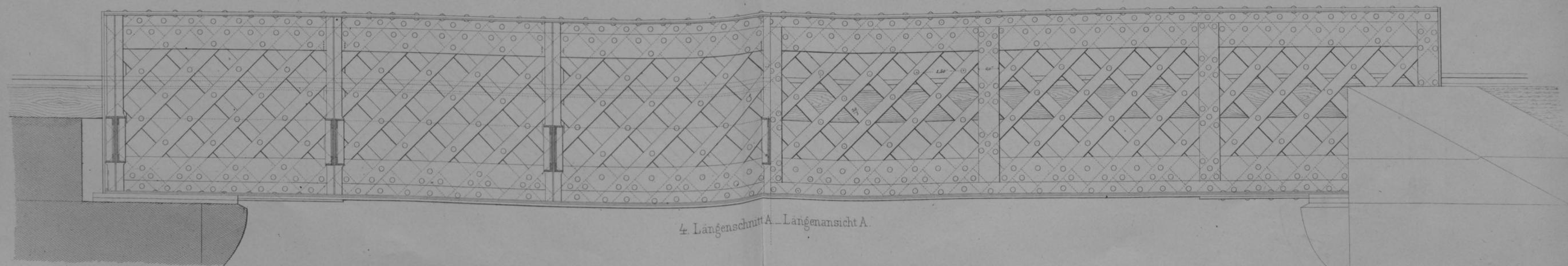


2 Grundriss A.



7. Querschnitt B.

3. Querschnitt A.

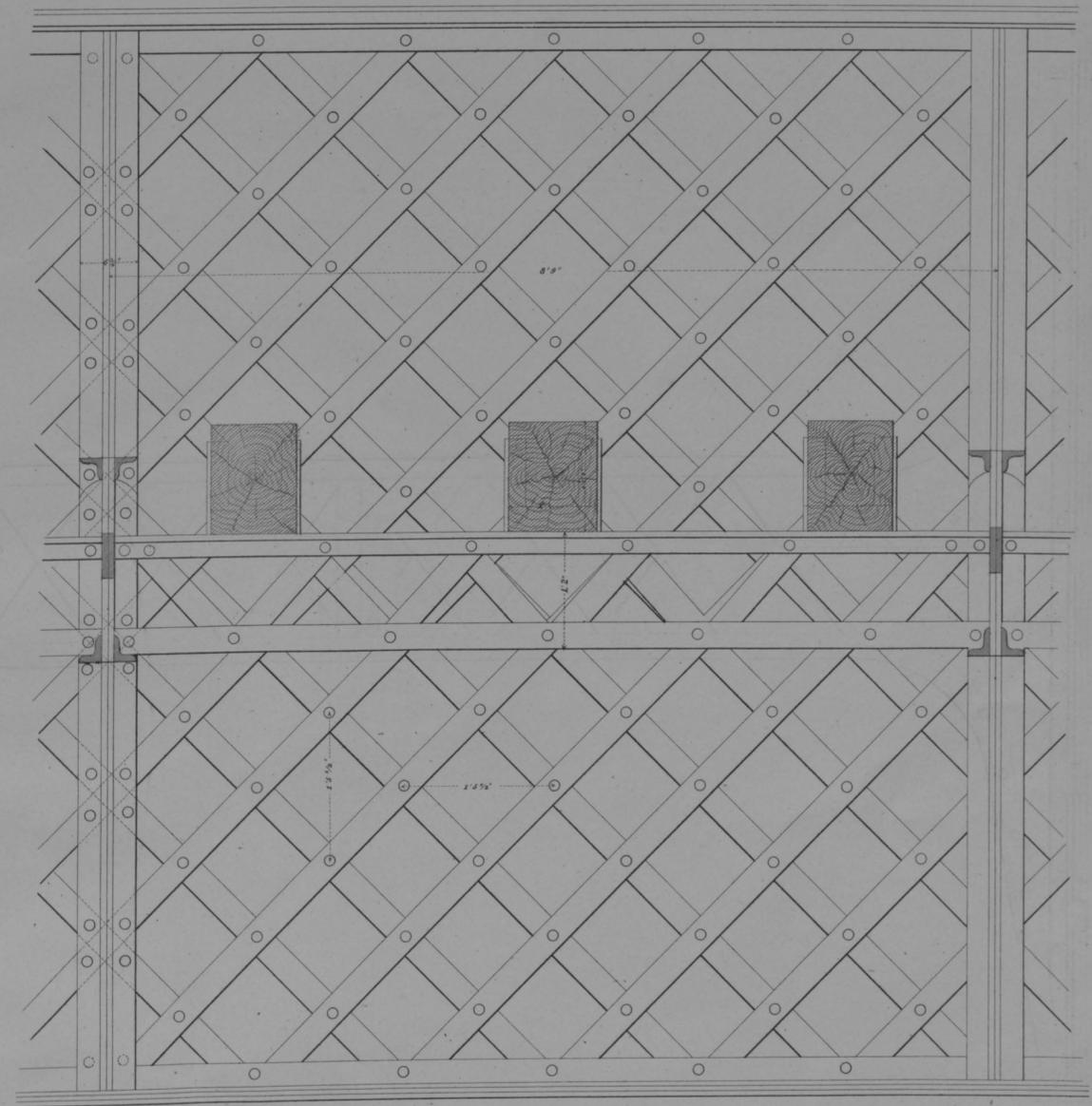
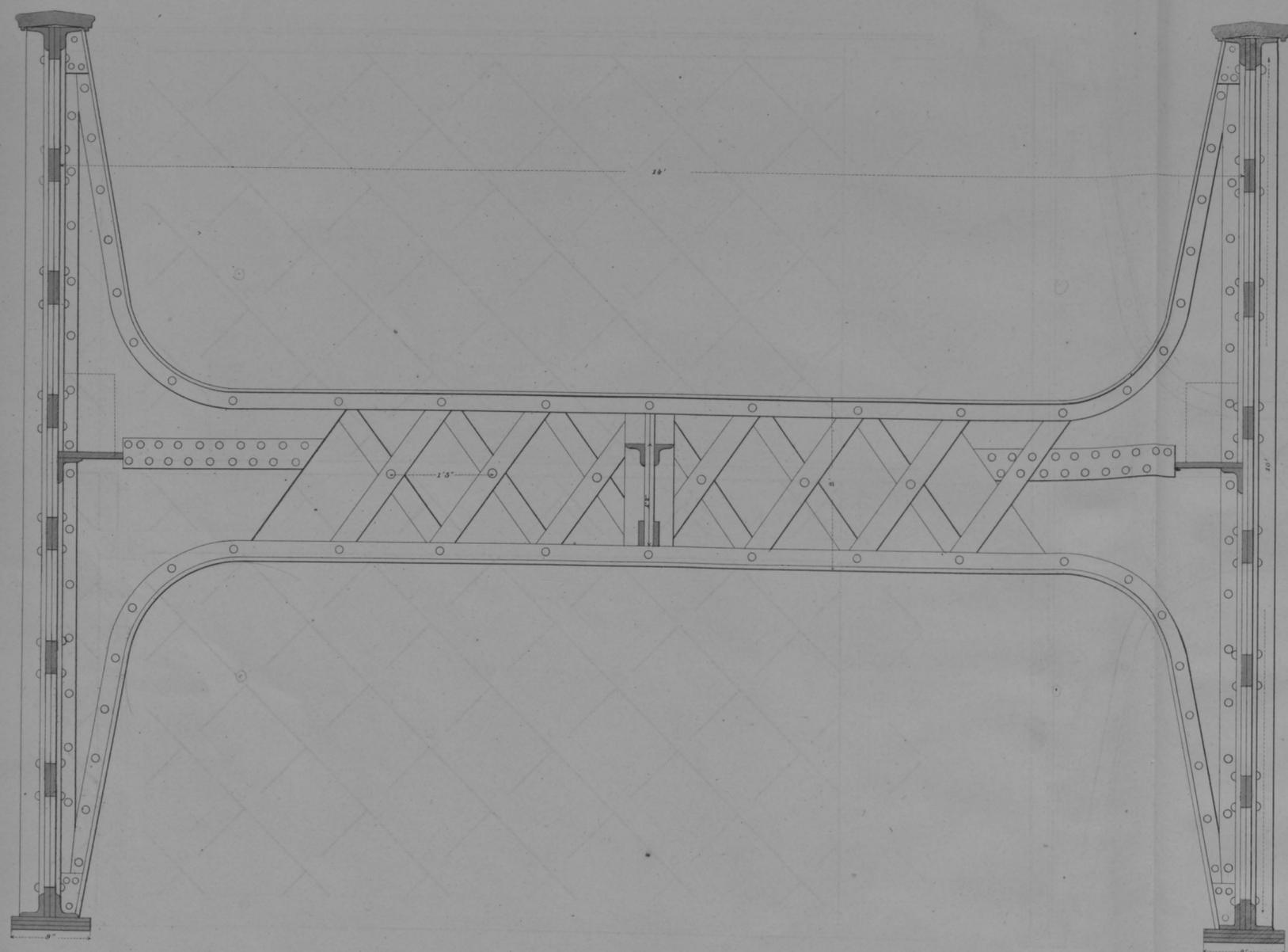


4 Längenschnitt A. Längenschnitt A.

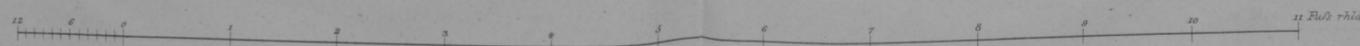
BRÜCKE ÜBER DIE RUHR BEI ALTSTADEN.

Querschnitt.

Längenschnitt

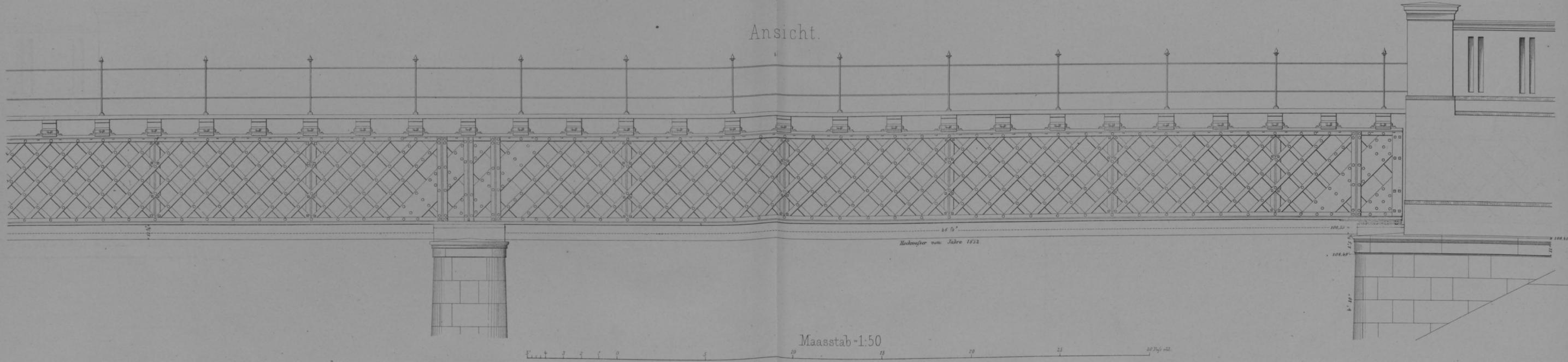


Maasstab-1:15.



BRÜCKE ÜBER DIE EMSCHER BEIM NEU ESSENER EISENHAMMER.

Ansicht.

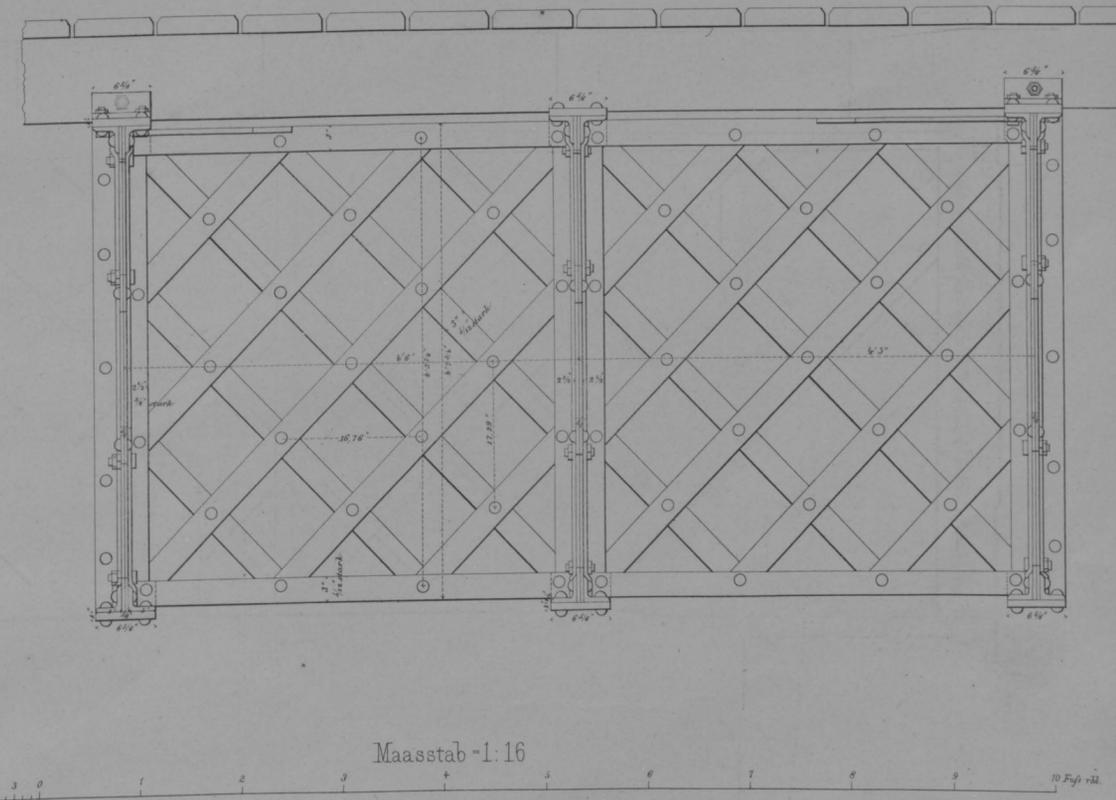
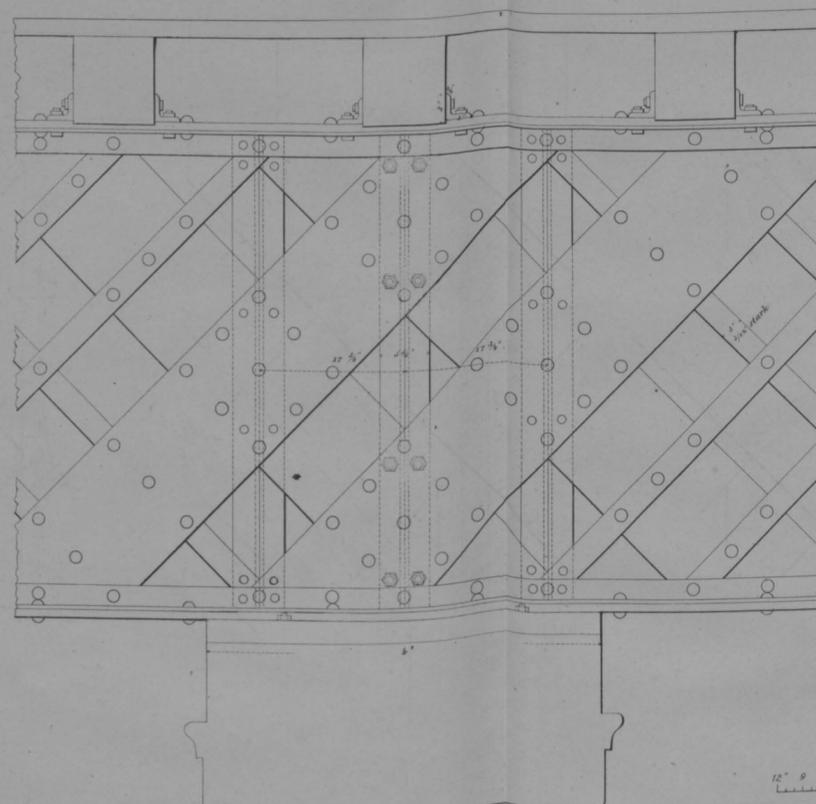
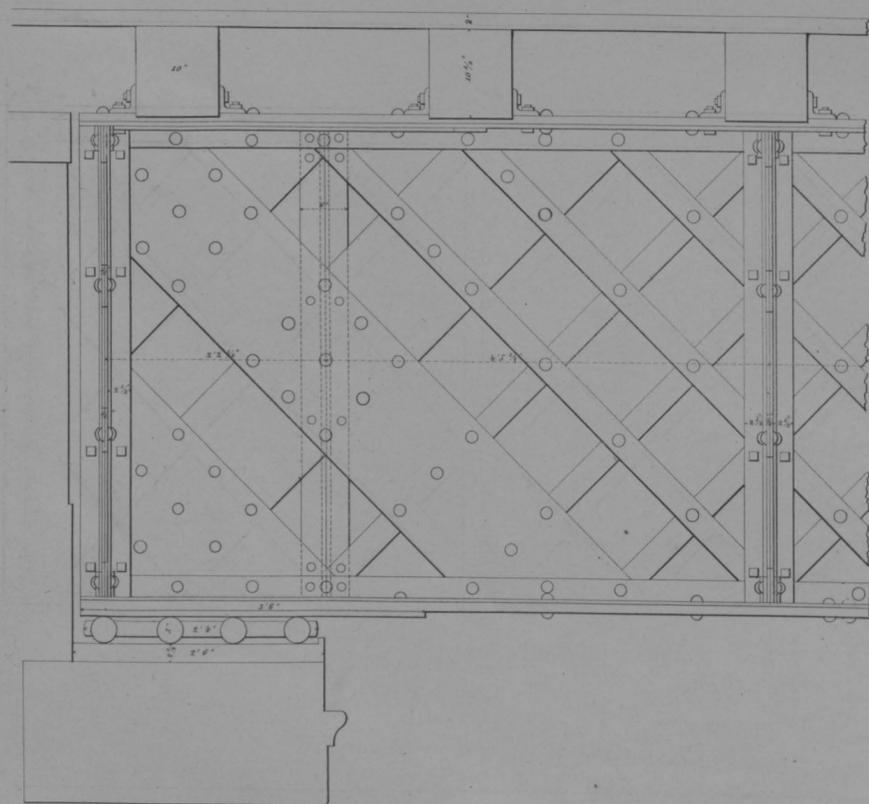


Längendurchschnitt des Gitterträgers.

Querdurchschnitt des Gitterträgers.

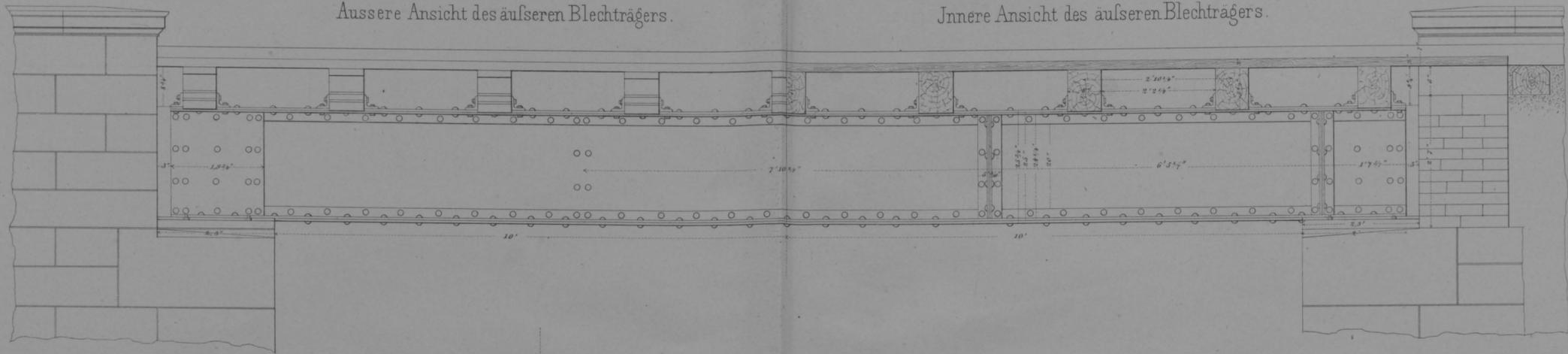
über dem Landpfeiler.

über dem Mittelpfeiler.

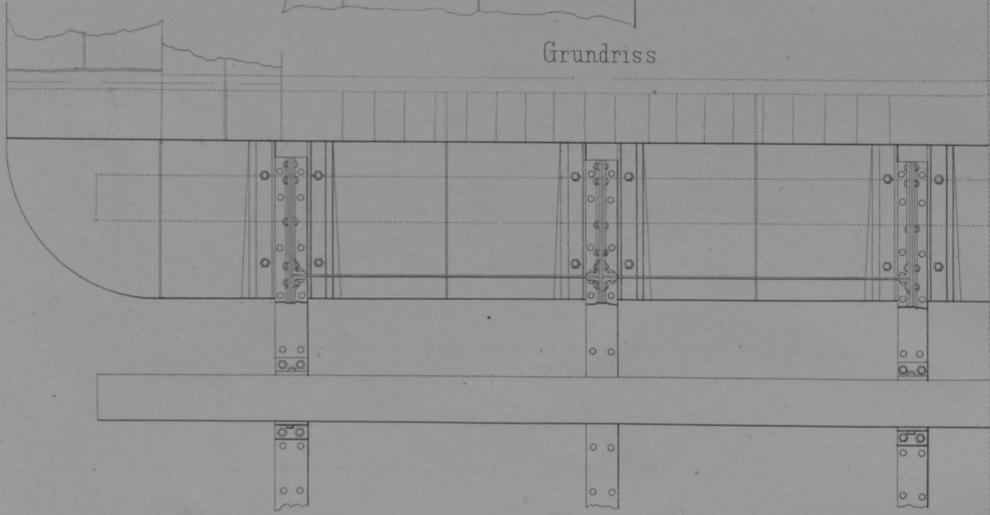


Äussere Ansicht des äusseren Blechträgers.

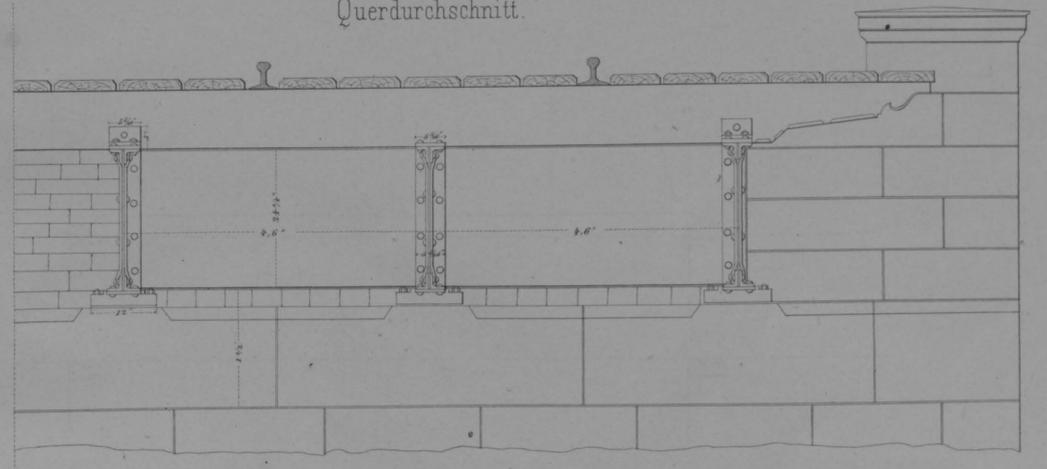
Innere Ansicht des äusseren Blechträgers.



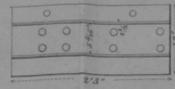
Grundriss



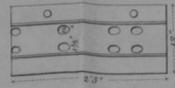
Querdurchschnitt.



auf dem linksseitigen Landpfeiler.



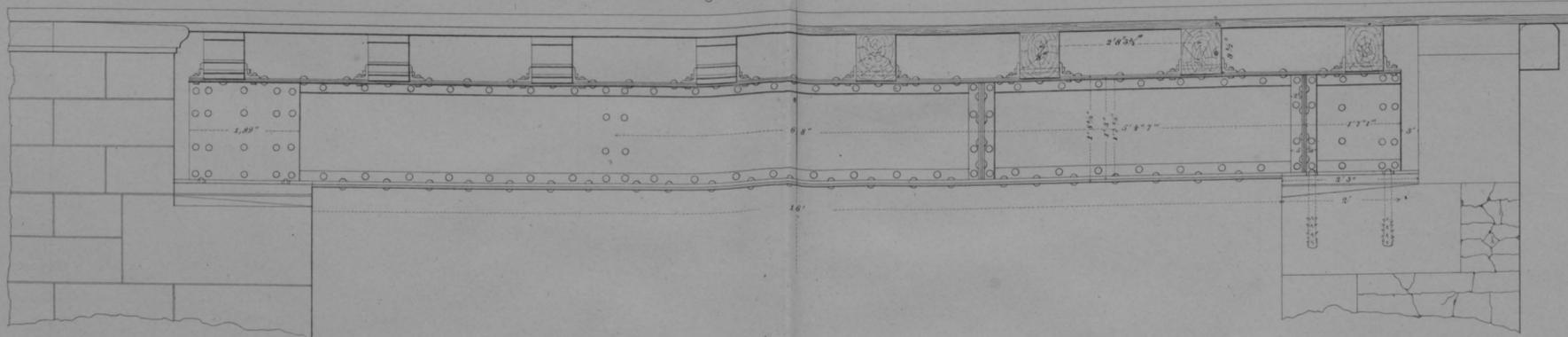
auf dem rechtsseitigen Landpfeiler.



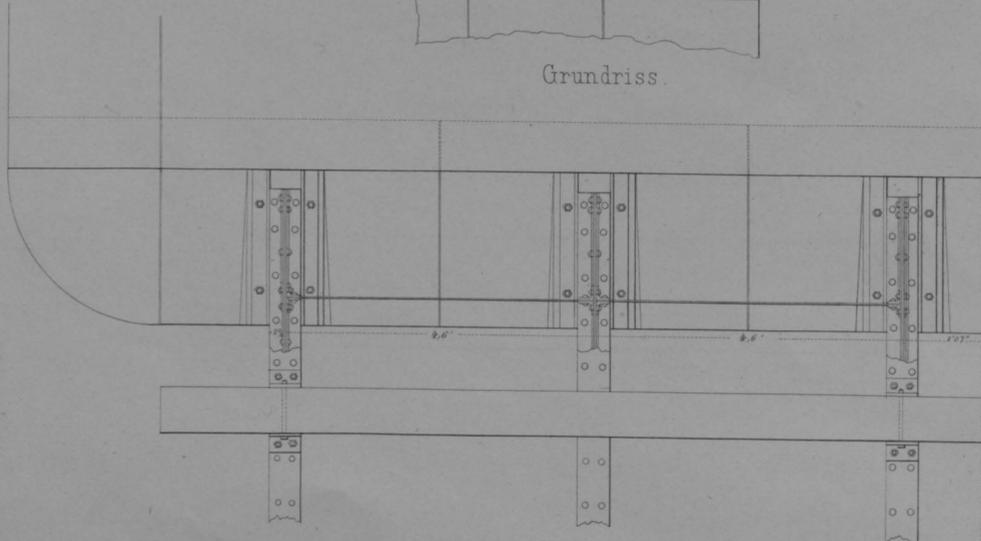
BRÜCKE ÜBER DEN HAMMER OBERGRABEN.

Äussere Ansicht des äusseren Trägers.

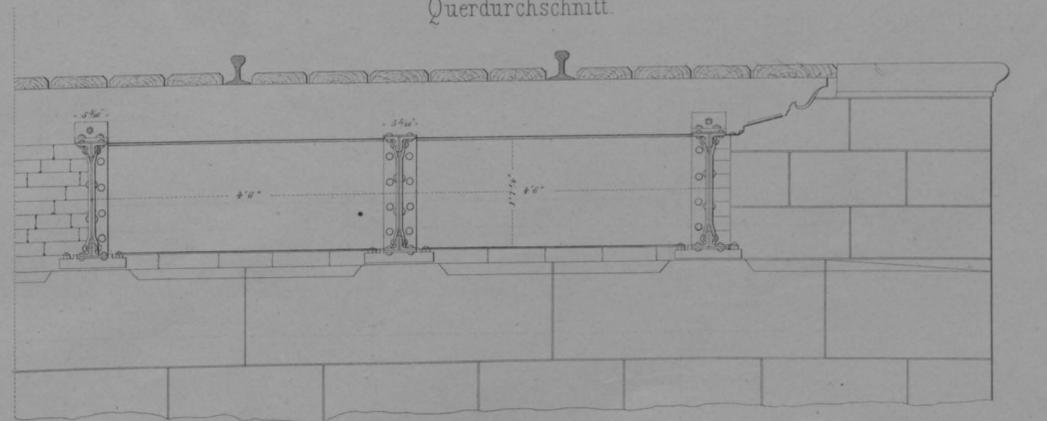
Innere Ansicht des äusseren Trägers.



Grundriss



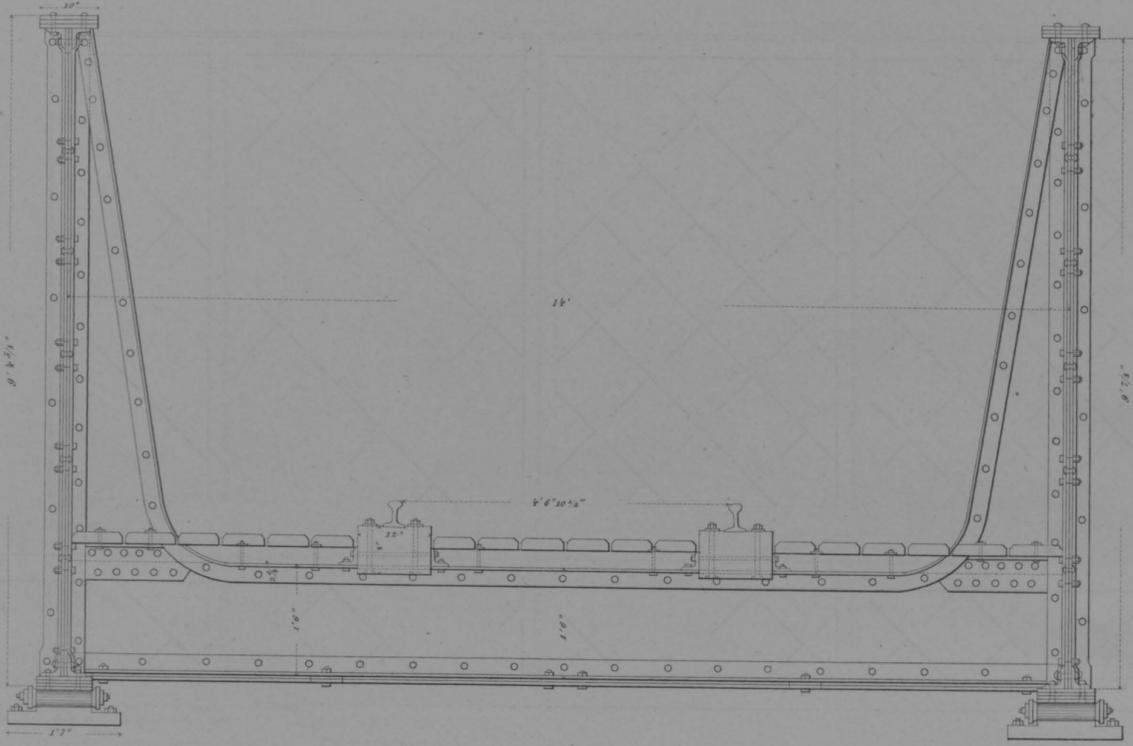
Querdurchschnitt.



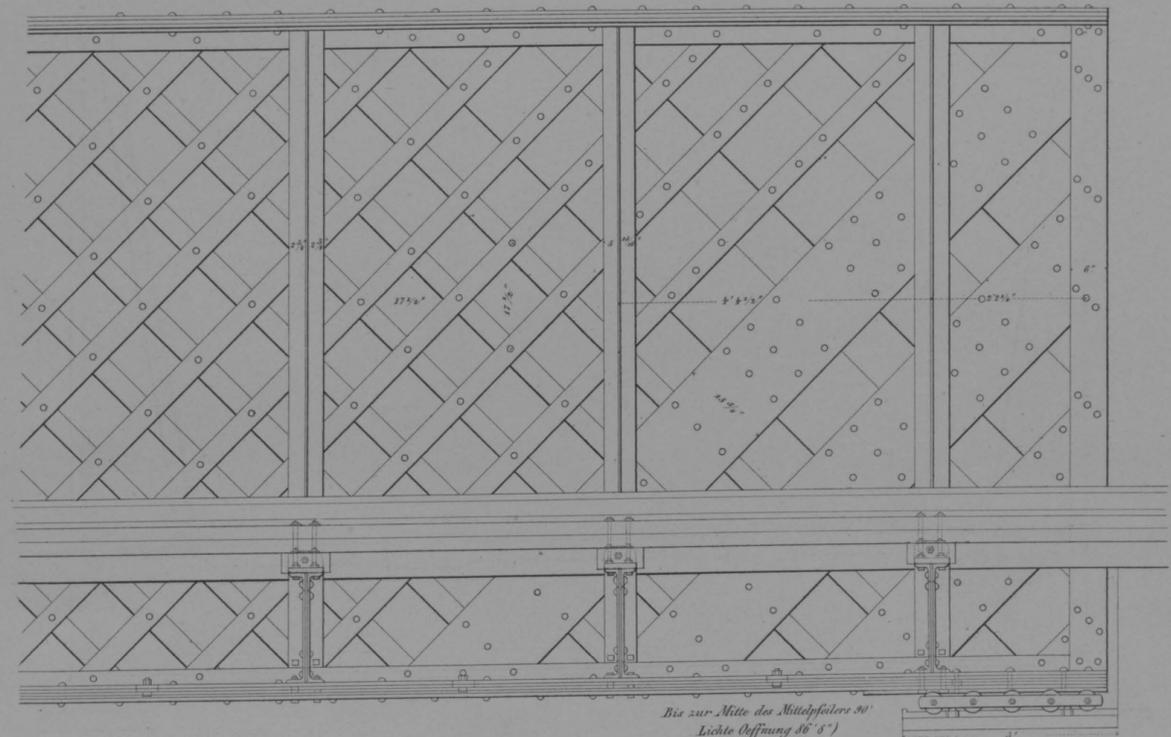
Maassstab = 1:24.



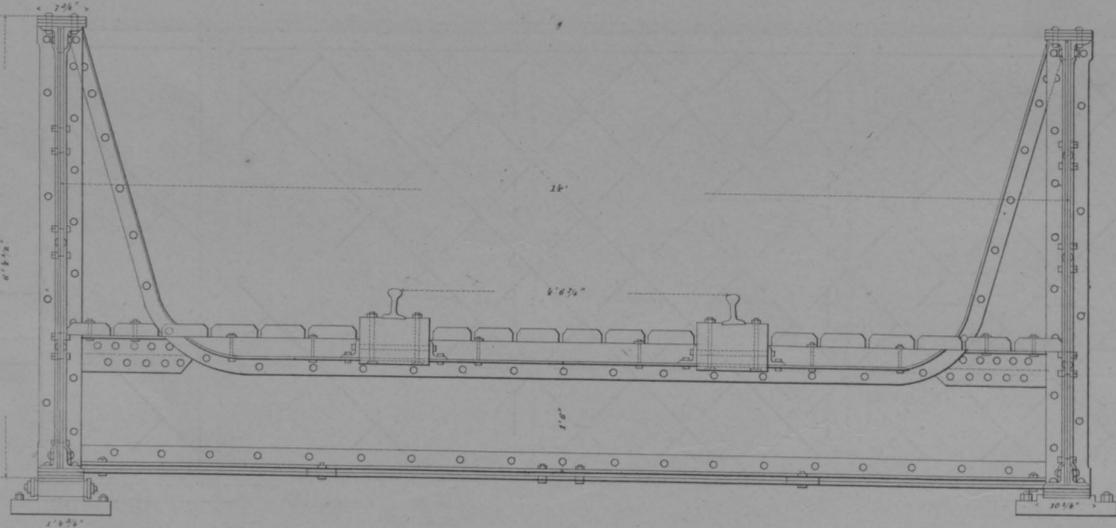
Quer - Durchschnitt.



Längen - Durchschnitt.

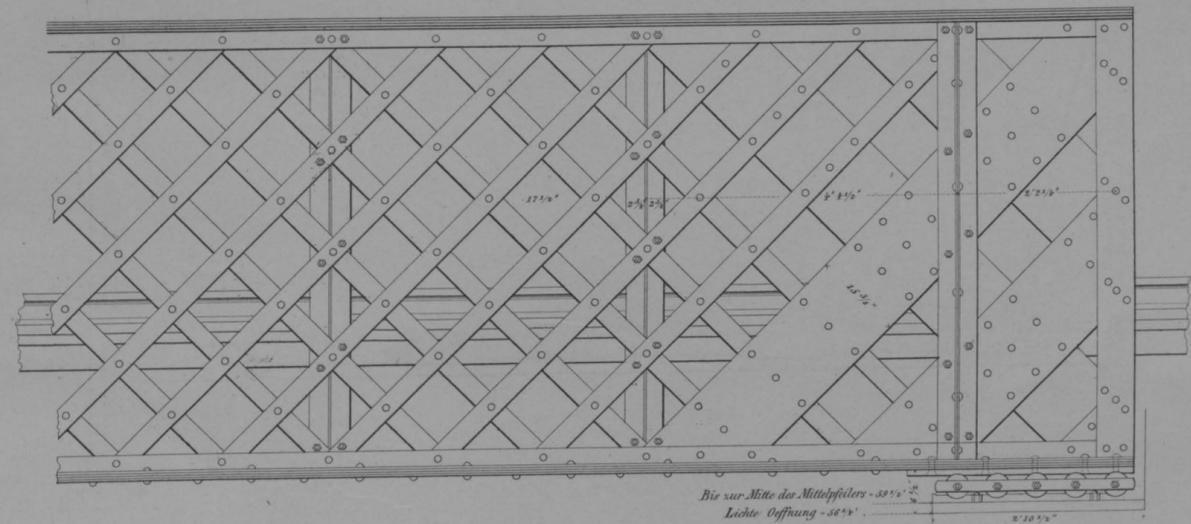


Quer - Durchschnitt.

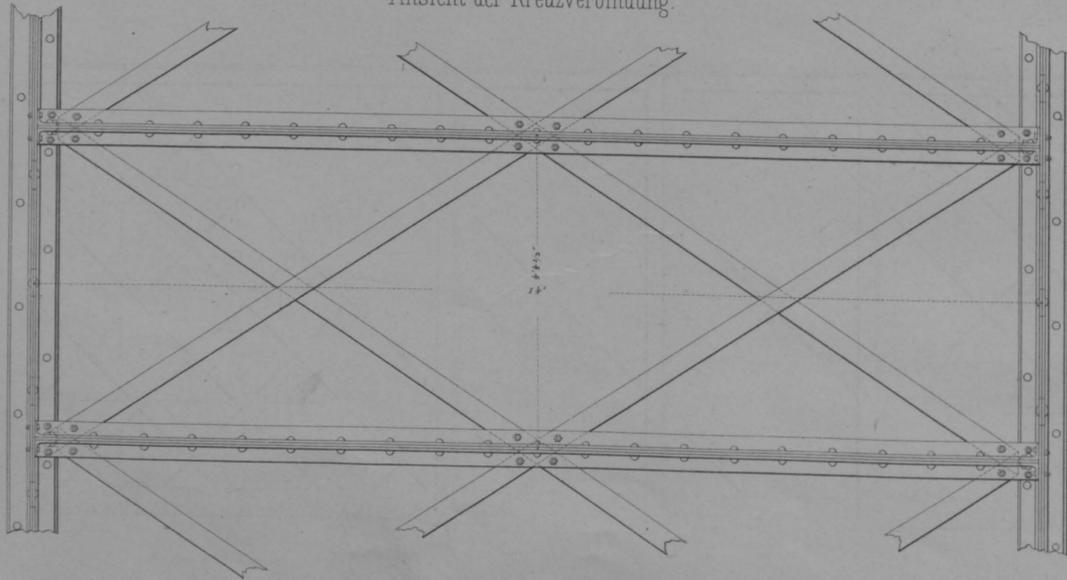


LIPPE FLUTH BRÜCKE.

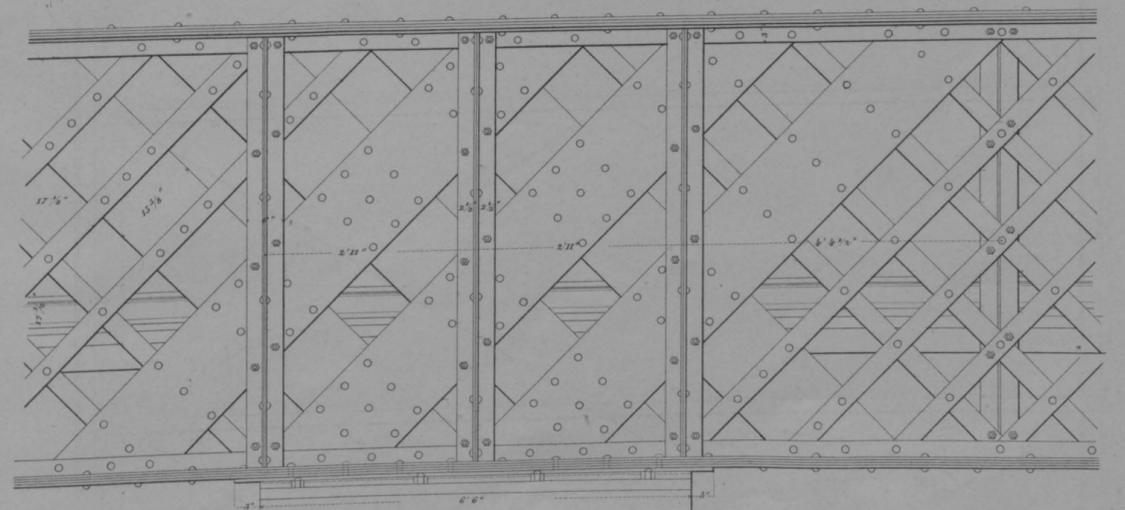
Seiten Ansicht am Landpfeiler.



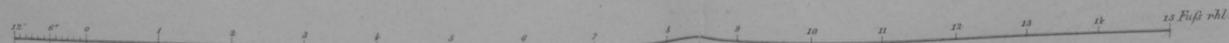
Ansicht der Kreuzverbindung.

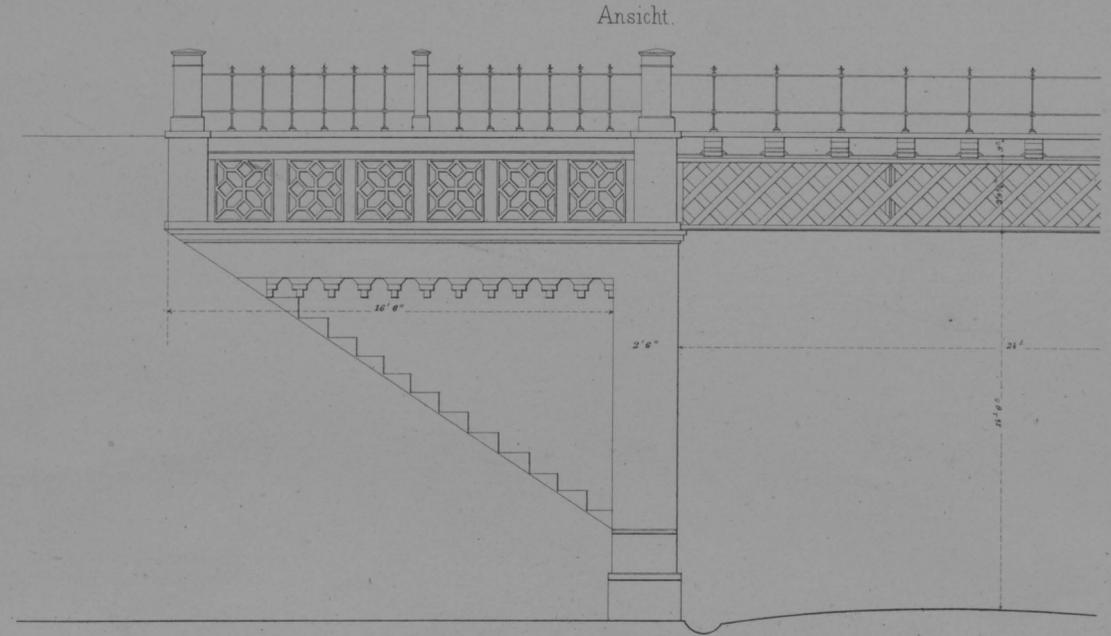
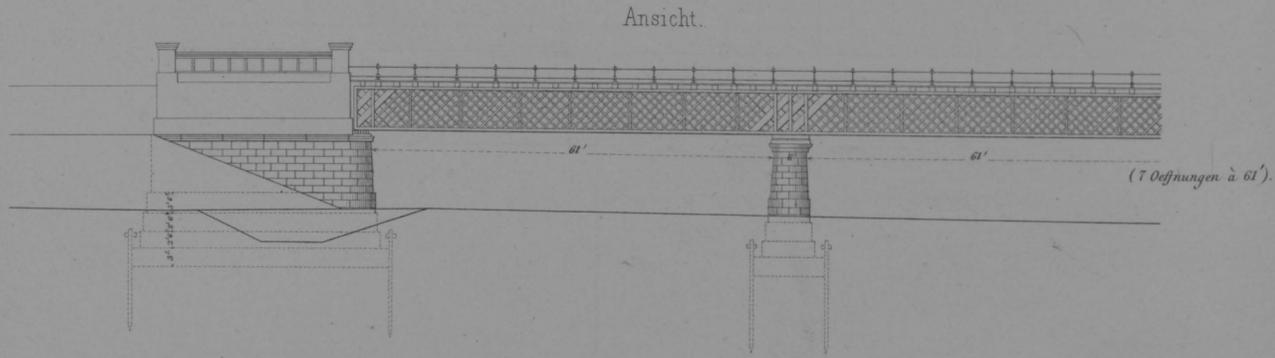


Seiten Ansicht am Mittelpfeiler.

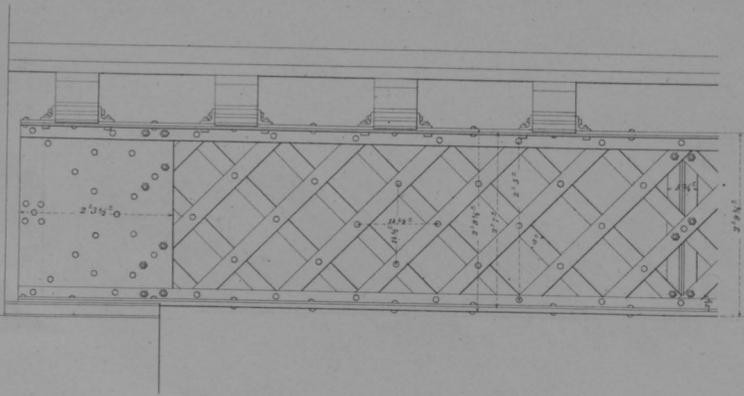


Maafsstab - 1: 24.

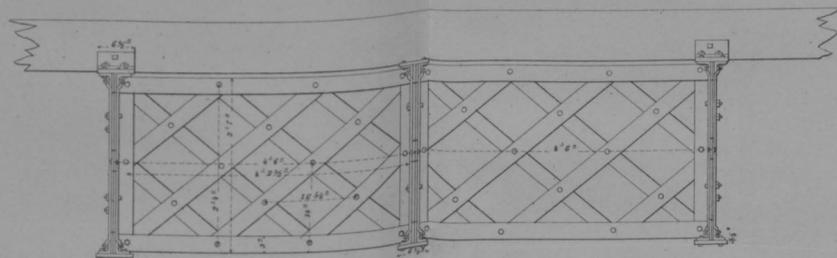




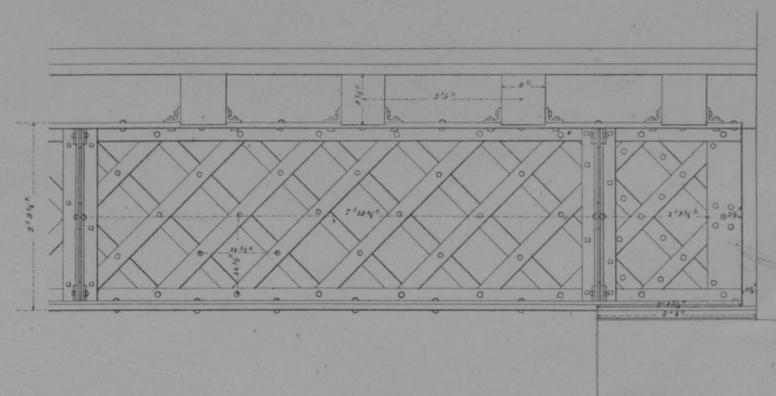
II.
Äussere Ansicht der Gitterträger.



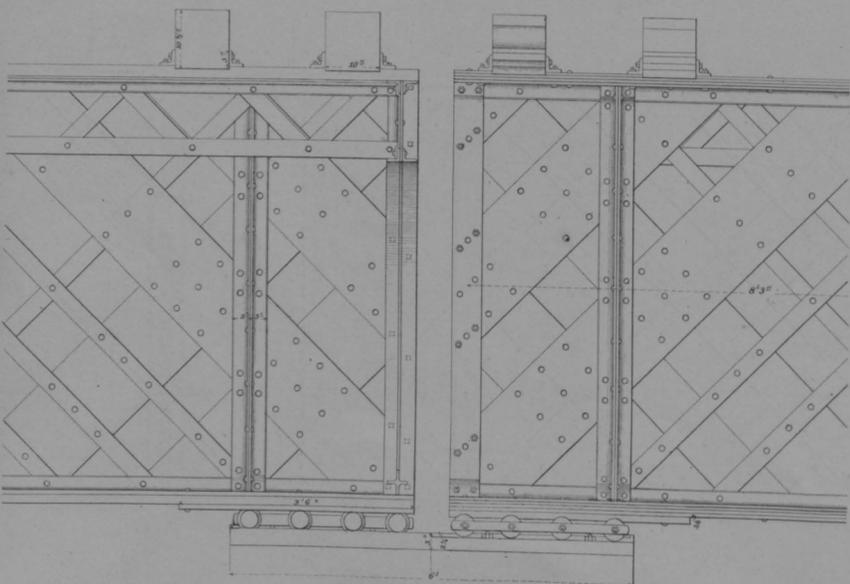
II.
Querschnitt.



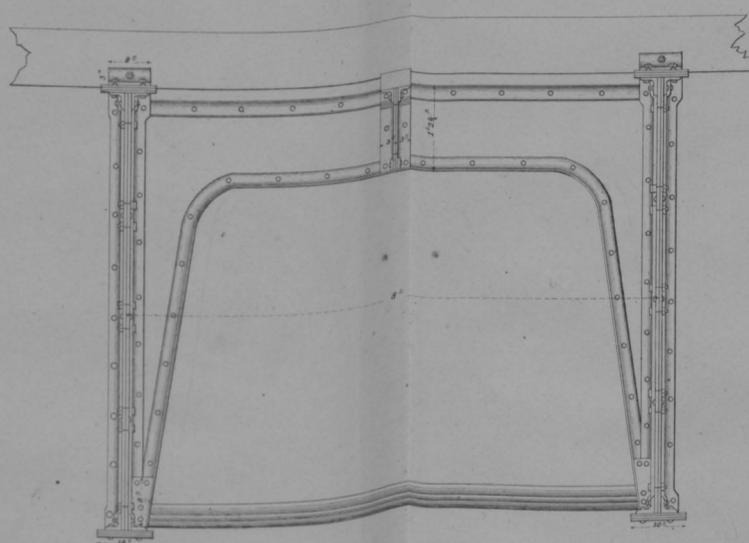
II.
Innere Ansicht der Gitterträger.



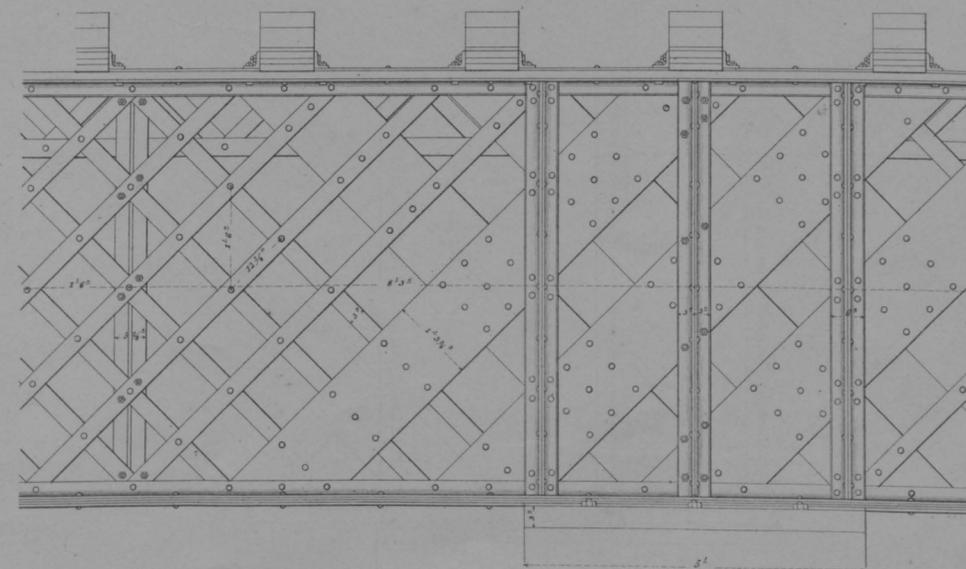
I.
Durchschnitt u. Längen-Ansicht der Enden der Gitterträger u. ihrer Auflager auf einem Mittelpfeiler.



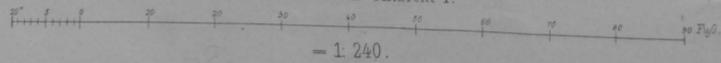
I.
Querschnitt der Gitterträger.



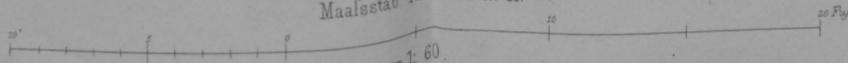
I.
Ansicht des mittleren Theiles eines Gitterträgers u. seiner Auflager.



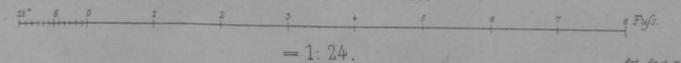
Maafsstab für Ansicht I.



Maafsstab für Ansicht II.

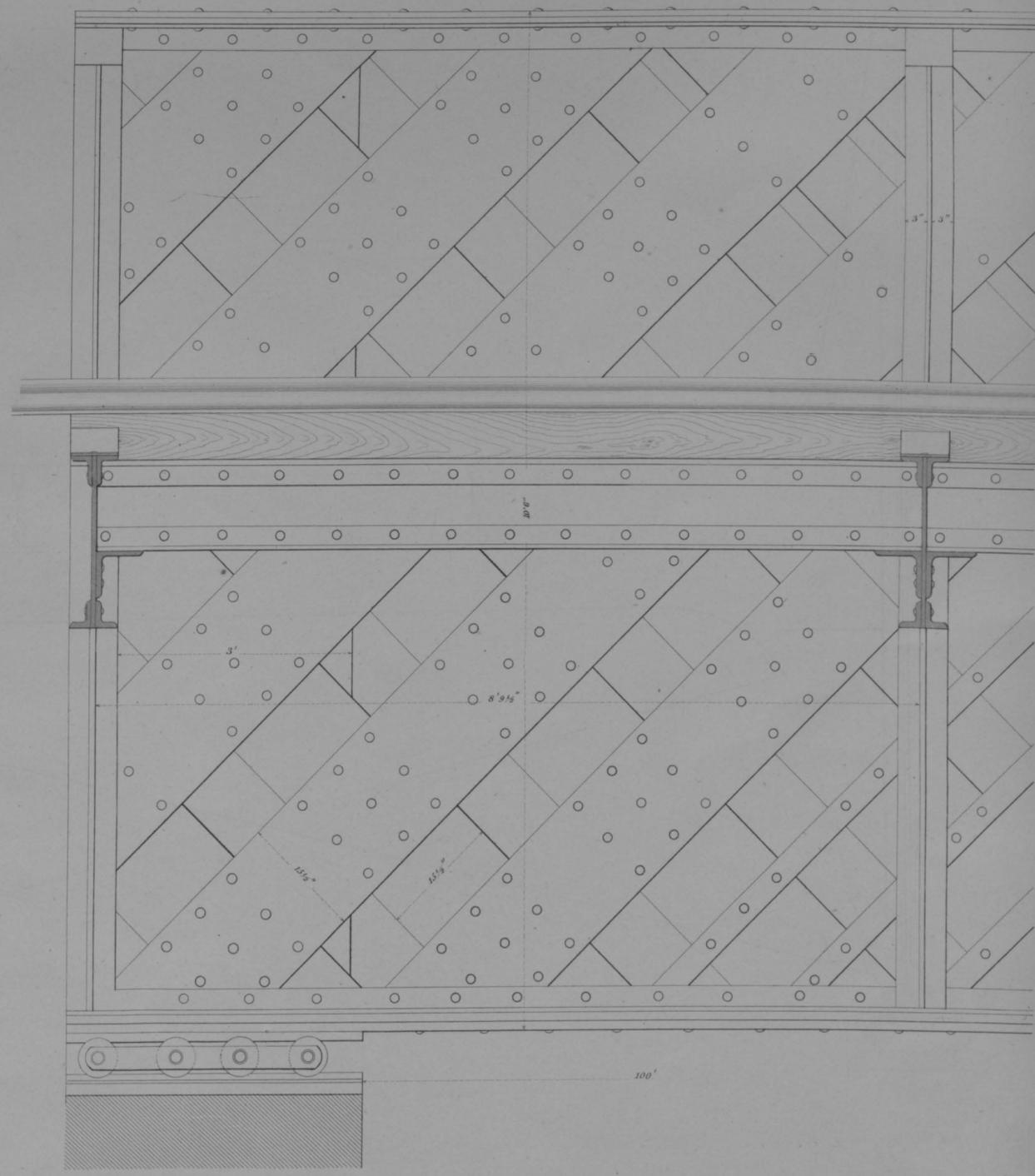
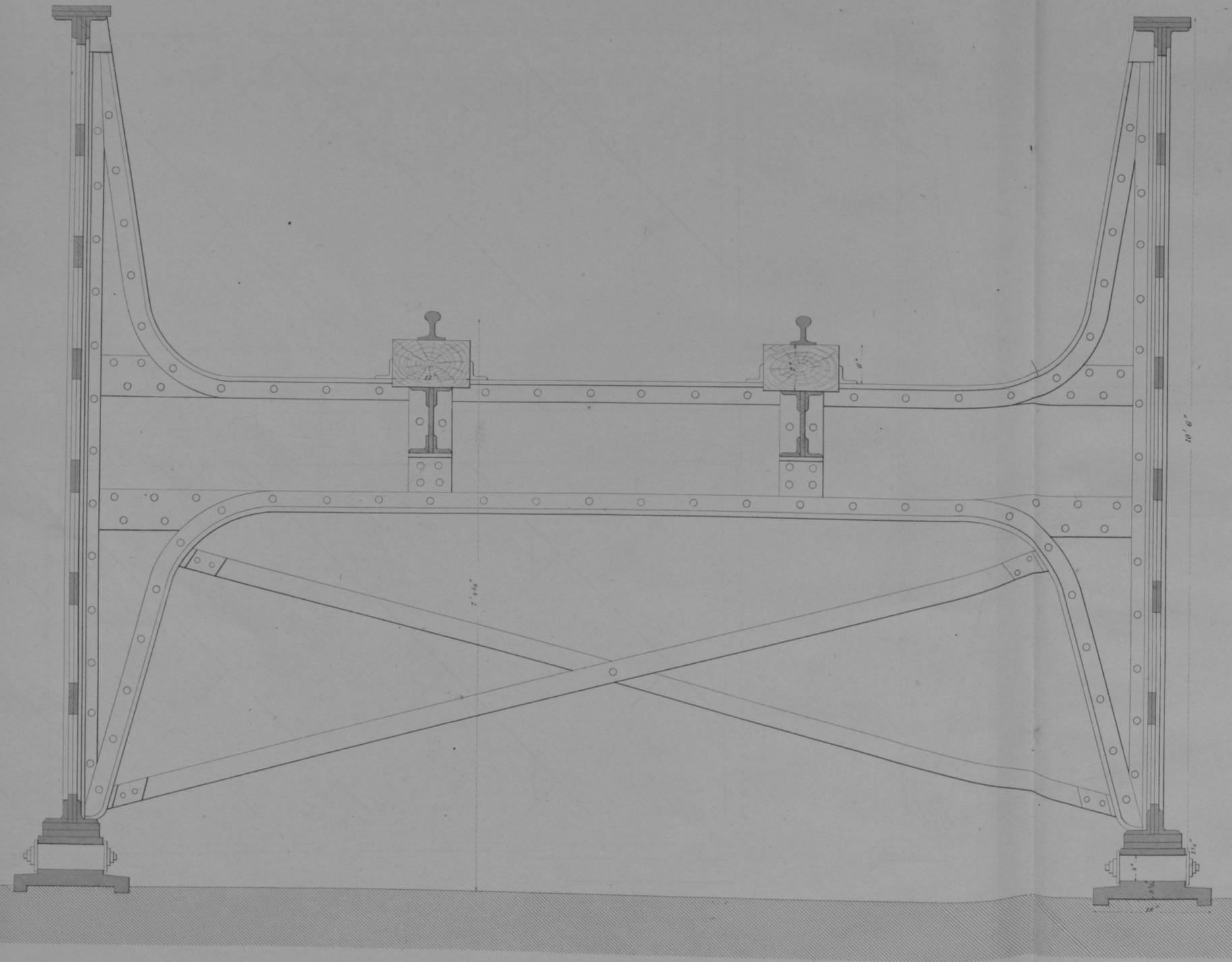


Maafsstab für die Details.



Querschnitt

Längenschnitt.

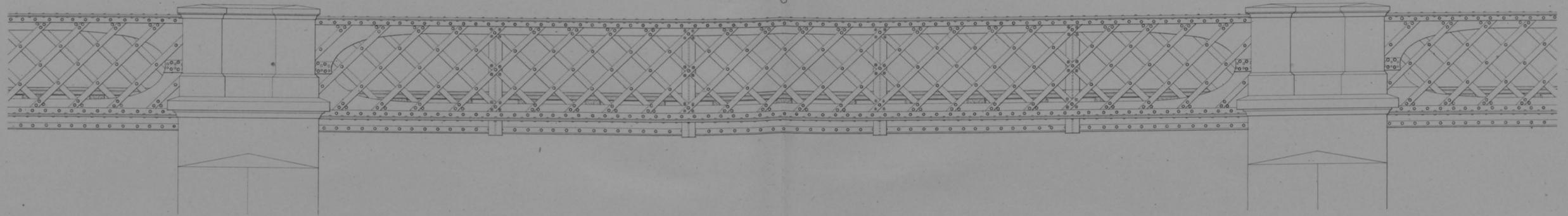


Maasstab = 1:15.



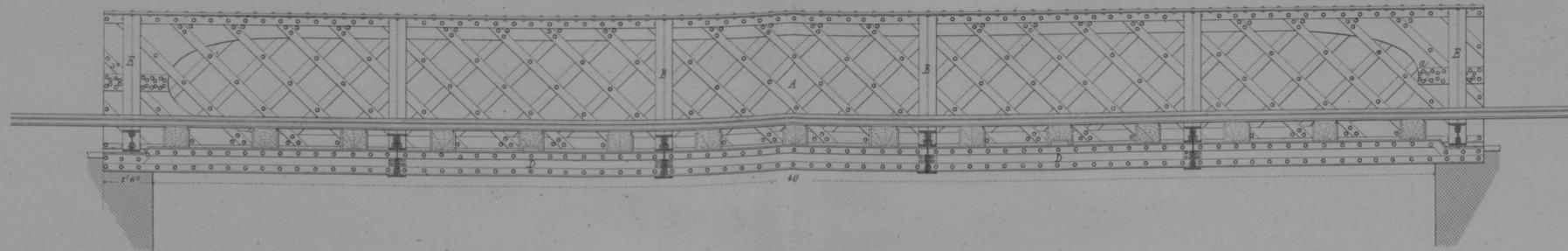
Ansicht.

Fig. 1.



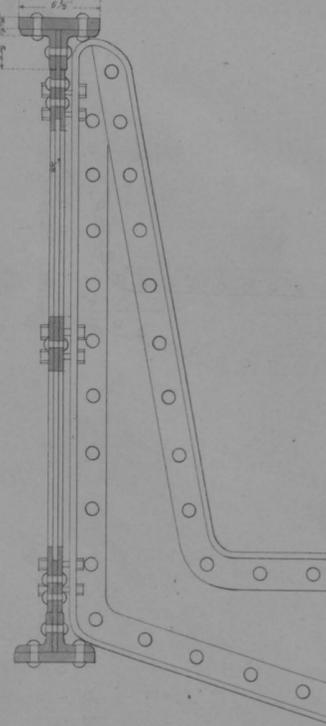
Längendurchschnitt.

Fig. 2.



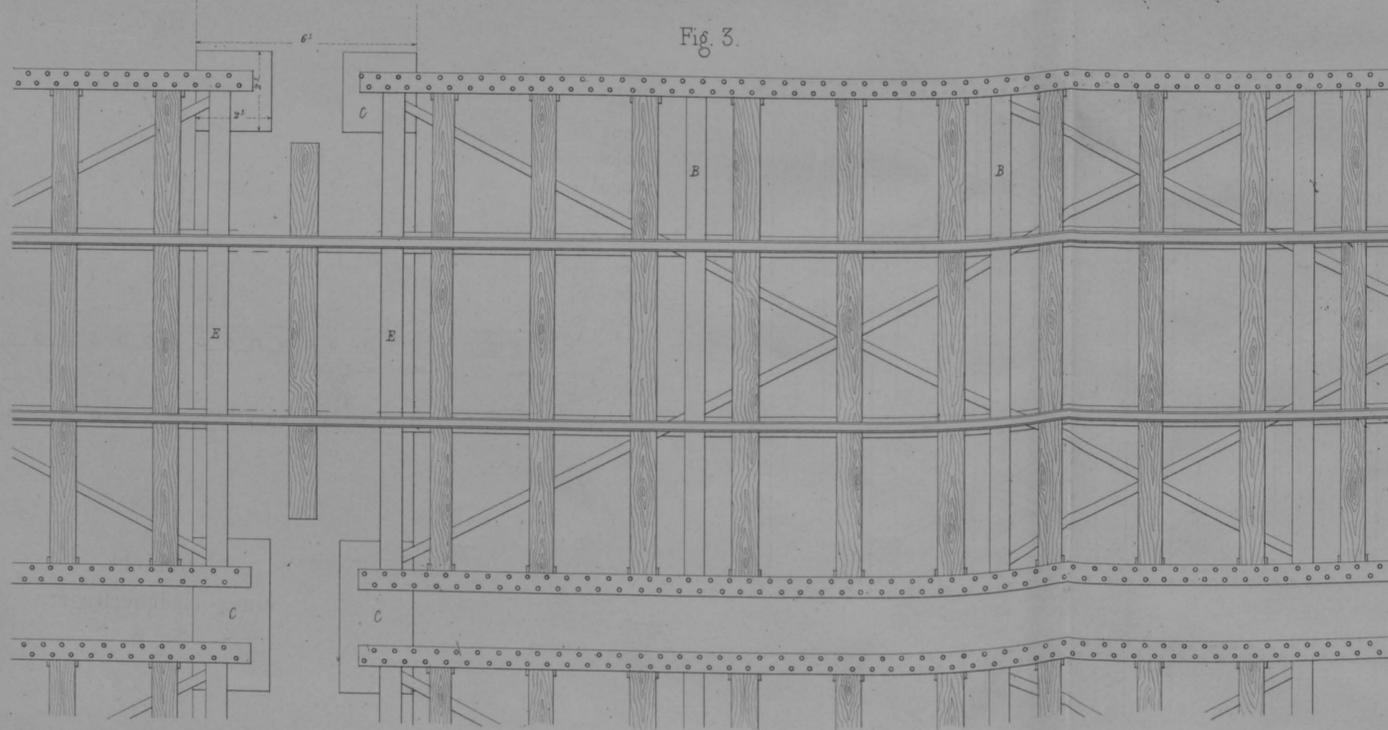
Querdurchschnitt
eines Längenträgers in vierfachen Maafsstab.

Fig. 4.



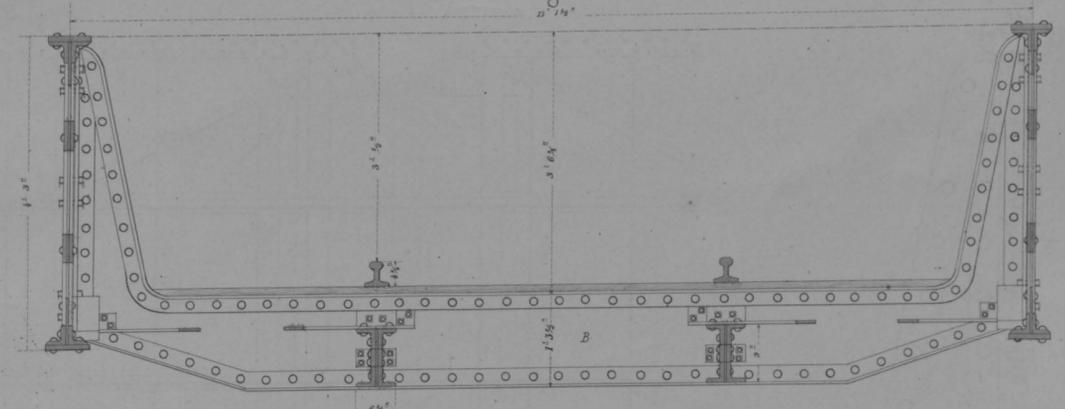
Grundriss.

Fig. 3.



Ansicht.
eines Mittelquerträgers.

Fig. 5.



Ansicht
eines Endquerträgers.

Fig. 6.

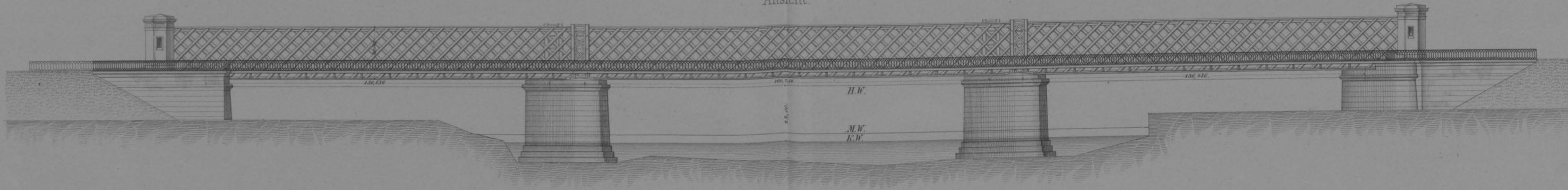


Maafsstab = 1:45.

zu Fig. 1, 2 u. 3. 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Fuß Maß.

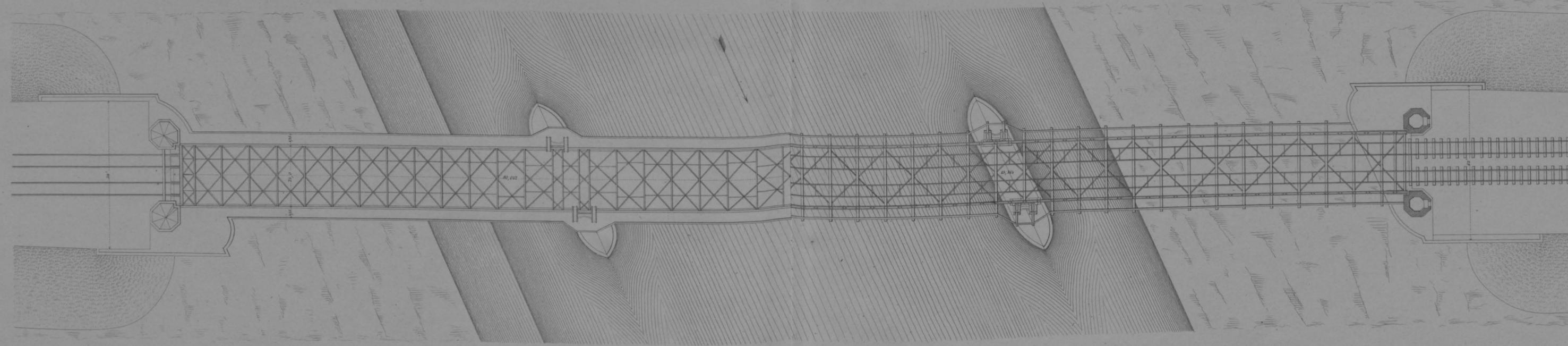
zu Fig. 4, 5 u. 6. 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Fuß Maß.

Ansicht.

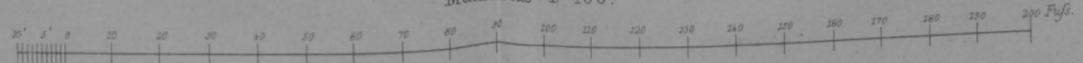


Grundriss.

Schnitt in der Schienenhöhe.



Maassstab=1:400.



Schnitt in der Mitte.

Absteifungen am Mittelpfeiler.

Ansicht.



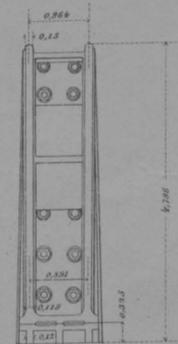
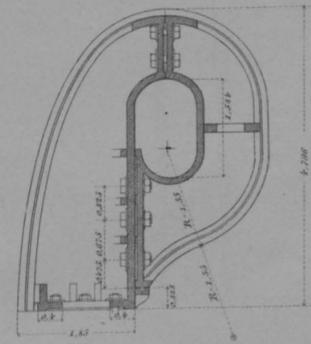
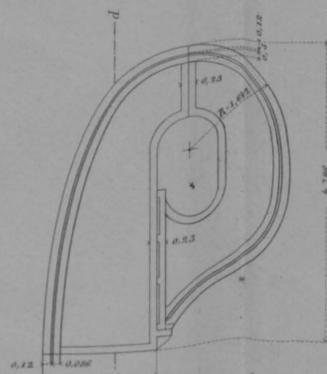
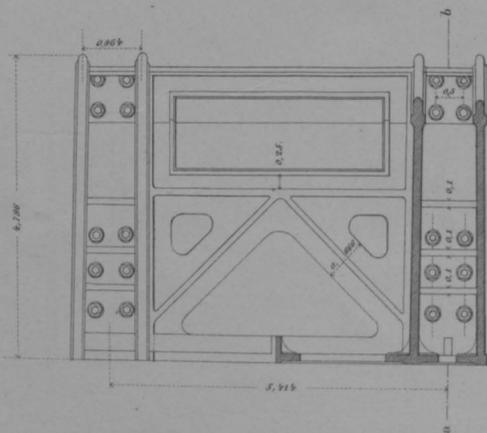
Ansicht.

Schnitt cd.

Seiten Ansicht.

Schnitt ab.

Rückwärtige Ansicht.

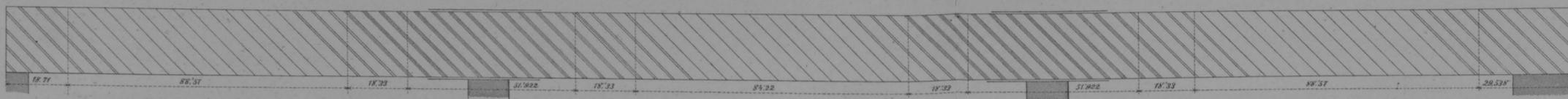
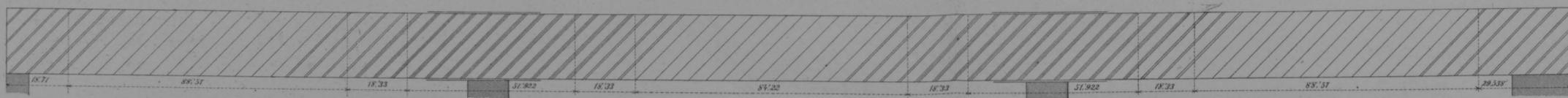
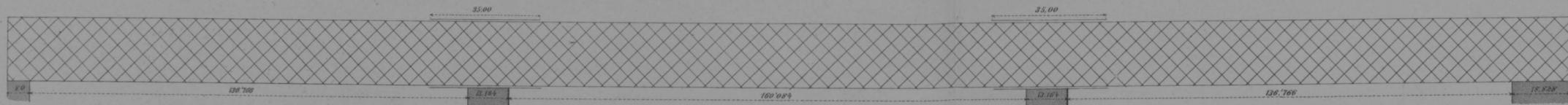


Maafsstab = 1:30.

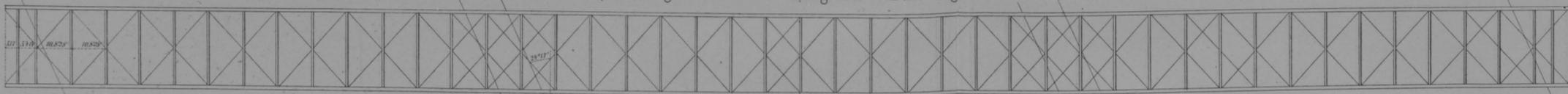


GRAN - BRÜCKE

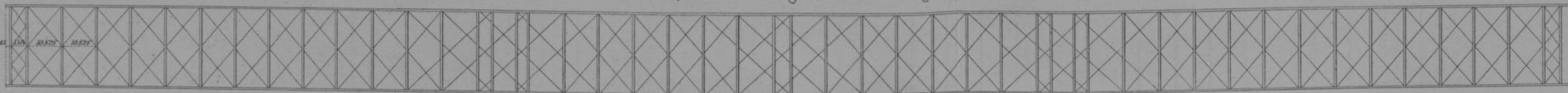
Austheilung der Gitterstaebe an einer Tragwand



Quertraeger und untere Diagonal Verbindungen



Obere Quer- und Diagonal Verbindungen



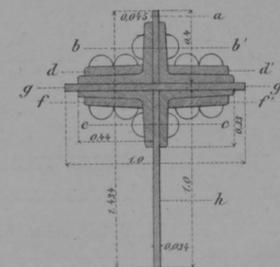
Für beide Tragwände

Gitterstaebe N^o I.
106 Stück à lang 28,551 Fuß

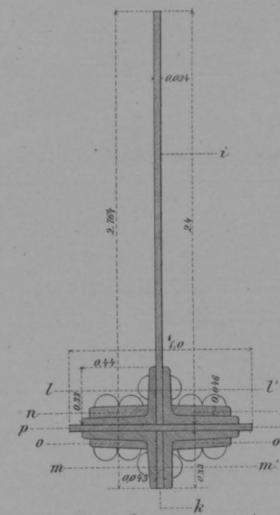
Gitterstaebe N^o II
90 Stück à lang 28,551 Fuß
4 - à - 8,558 -
4 - à - 16,116 -
4 - à - 23,774 -
4 - à - 4,630 -
4 - à - 12,287 -
4 - à - 19,945 -
4 - à - 27,602 -

Gitterstaebe N^o III
148 Stück à lang 28,551 Fuß

Profil der obern Gürtung

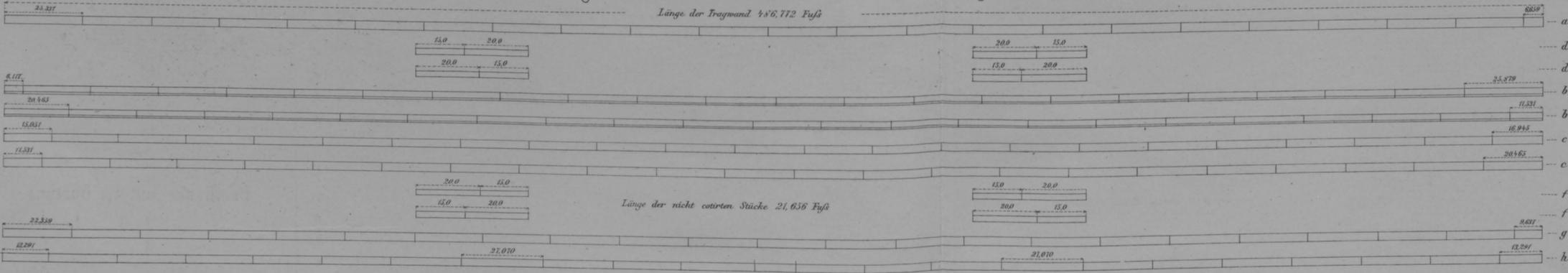


Profil der untern Gürtung



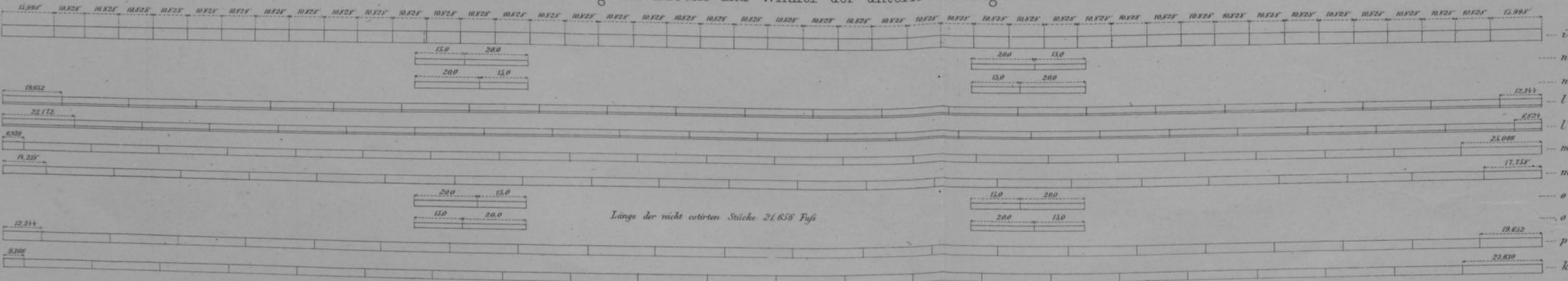
Austheilung der Bleche und Winkel der obern Gürtung

Länge der Tragwand 486,112 Fuß



Länge der nicht cotierten Stücke 21,656 Fuß

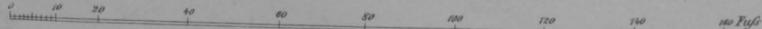
Austheilung der Bleche und Winkel der untern Gürtung



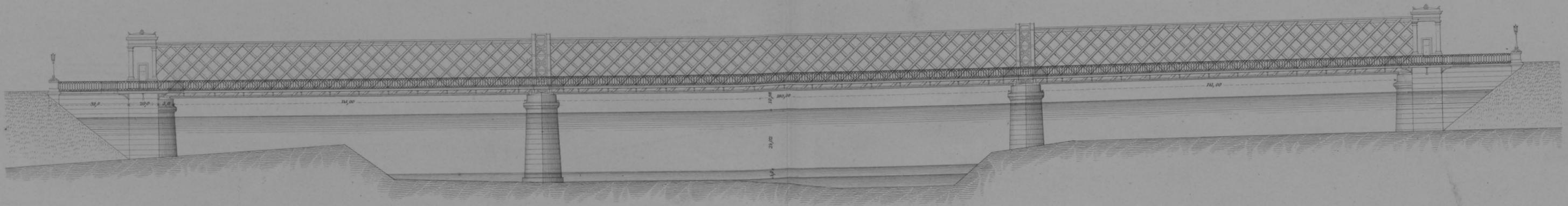
Länge der nicht cotierten Stücke 21,656 Fuß

Maasstab = 1:400

Maasstab = 1:10

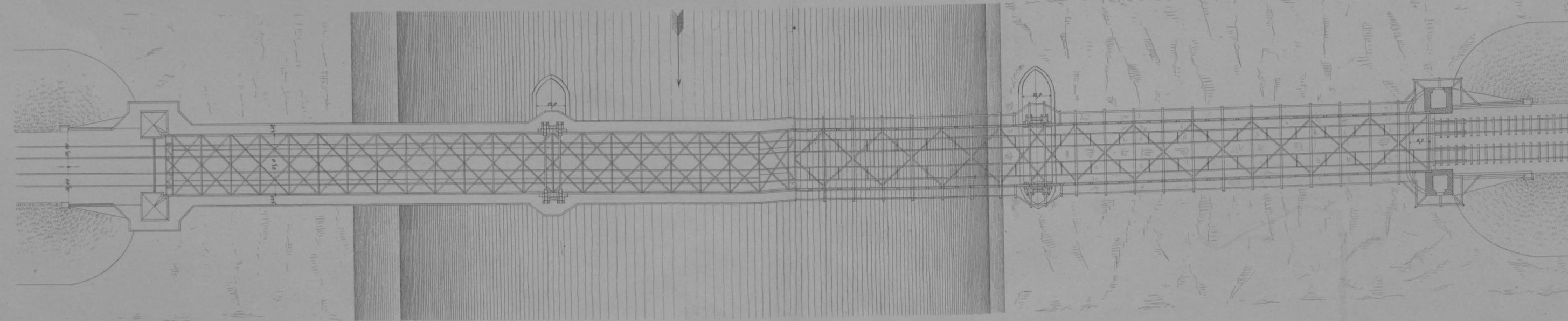


Ansicht.

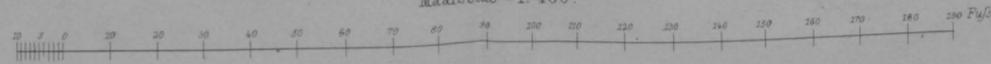


Grundriss.

Schnitt in der Schienenhöhe.

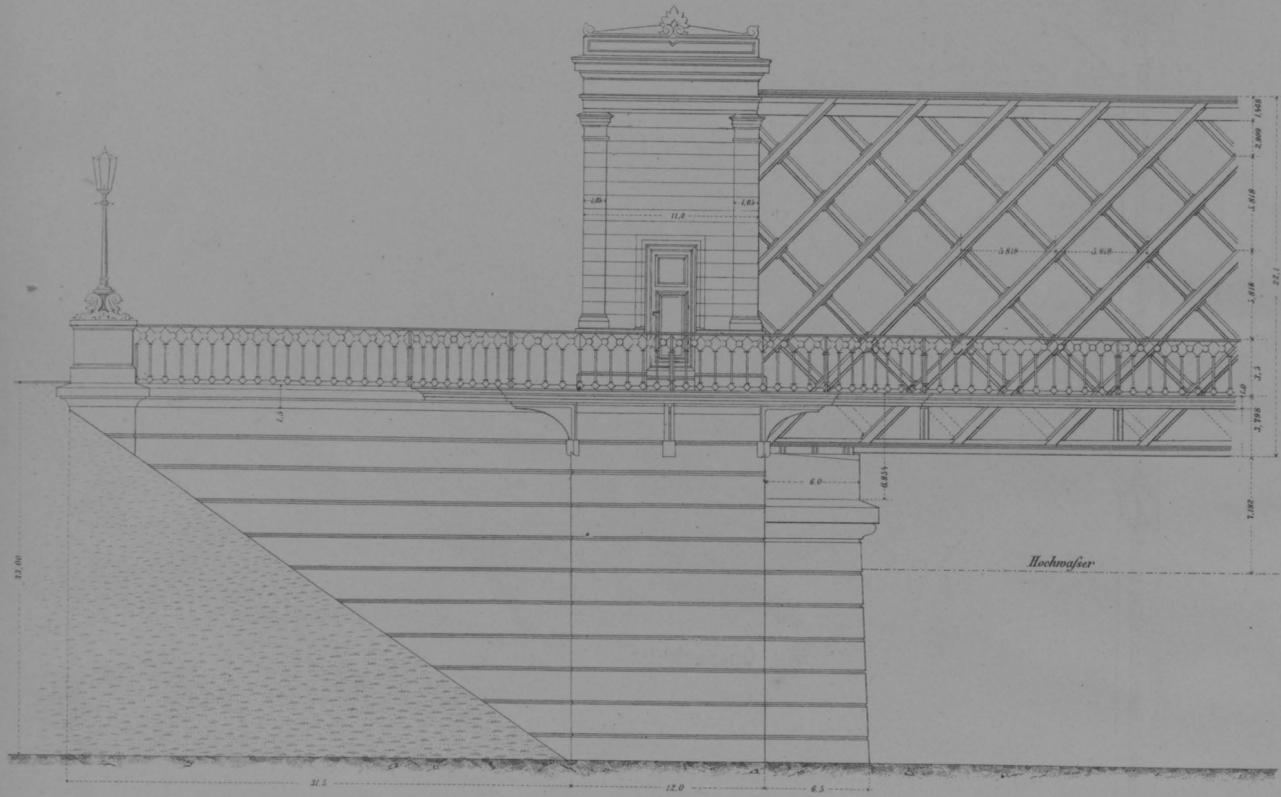


Maafstab = 1:400.

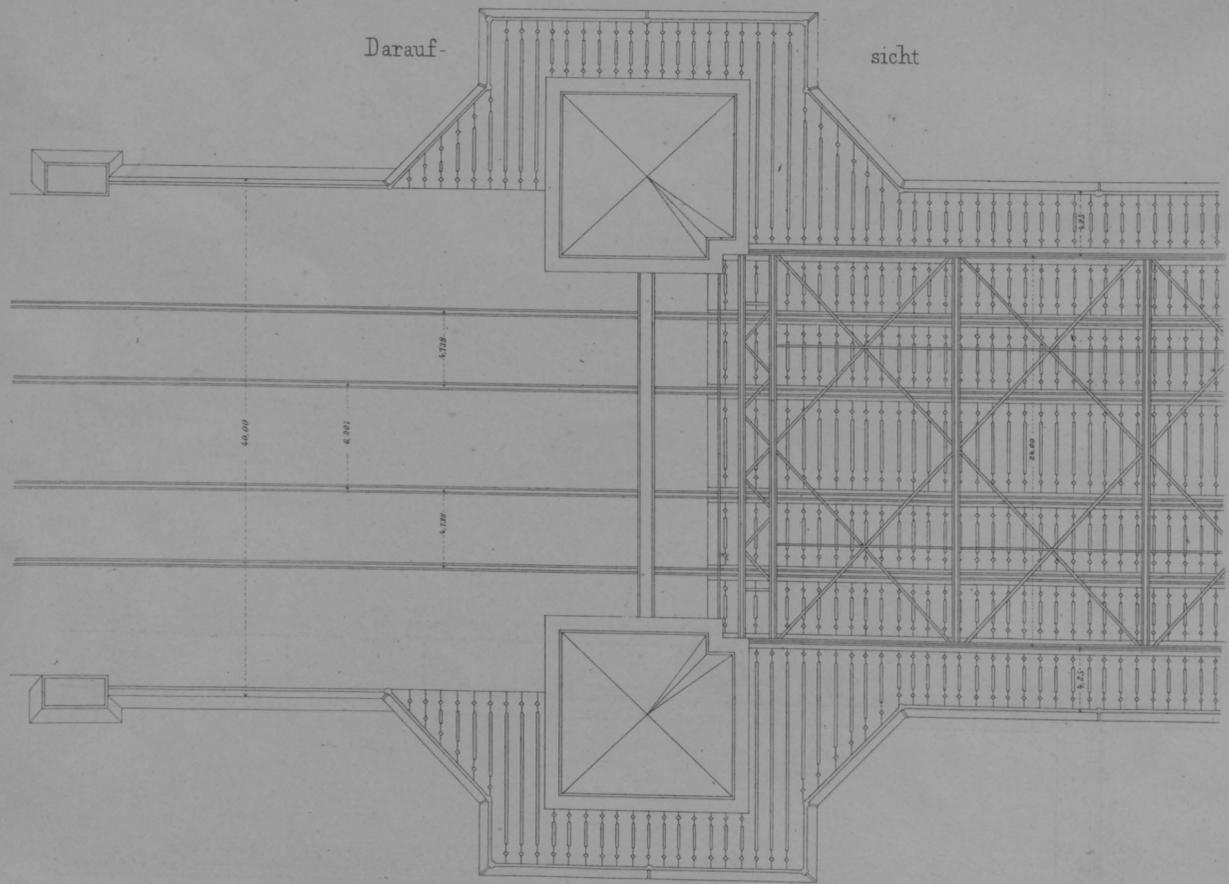


EIPEL-BRÜCKE

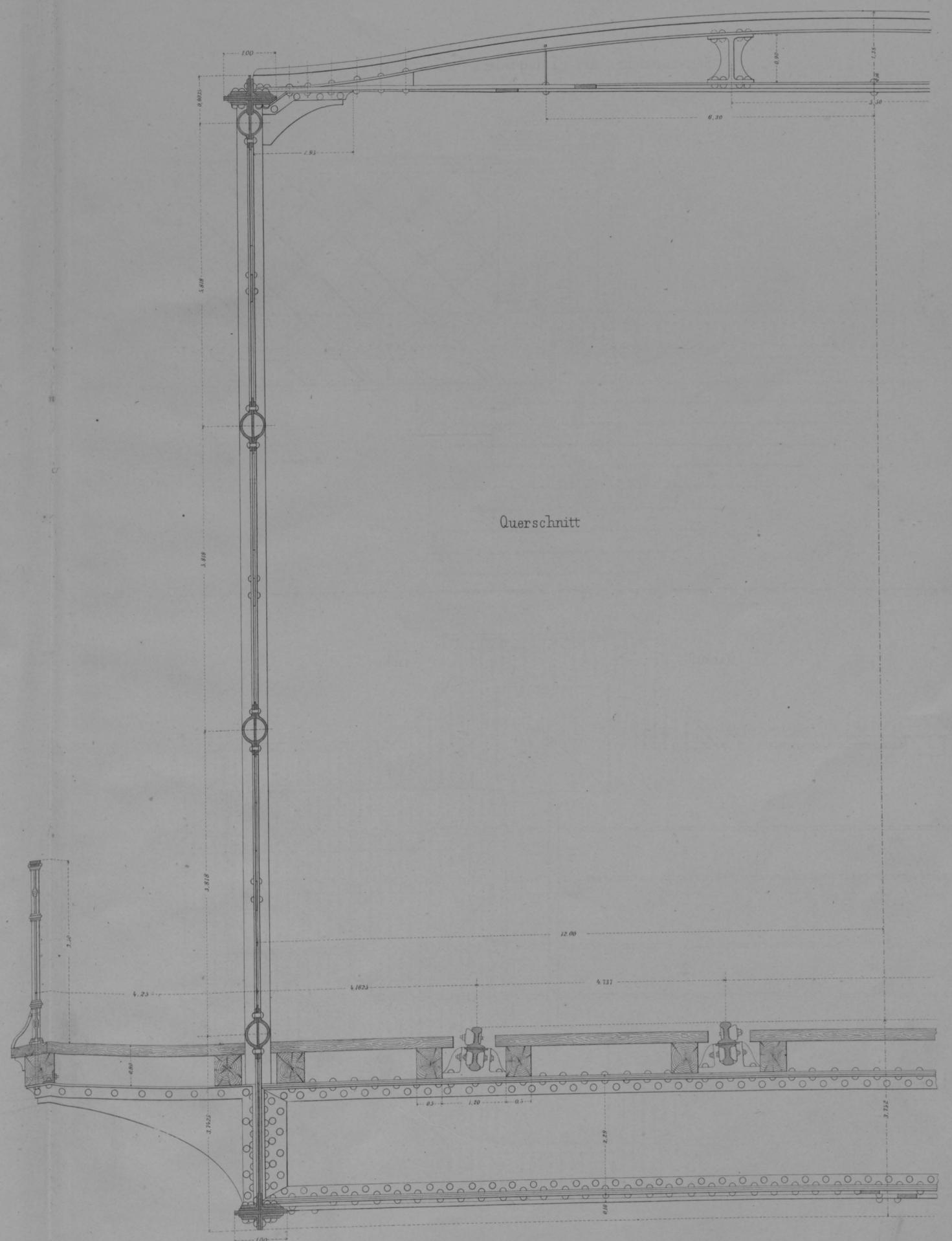
Seitenansicht des Landpfeilers und Portales



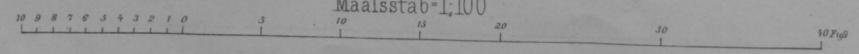
Darauf-
sicht



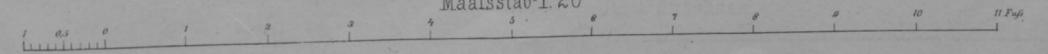
Querschnitt



Maafsstab 1:100



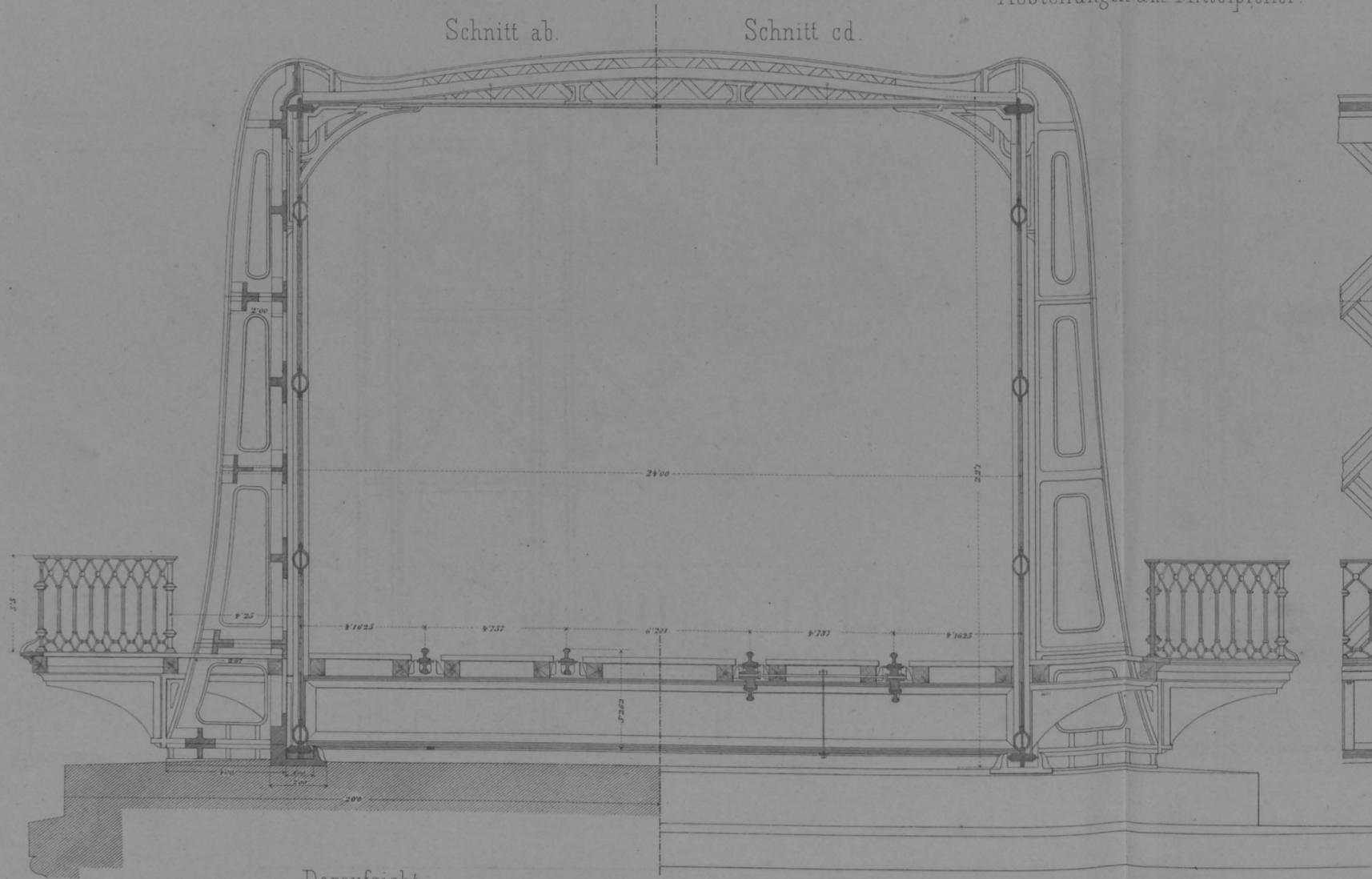
Maafsstab 1:20



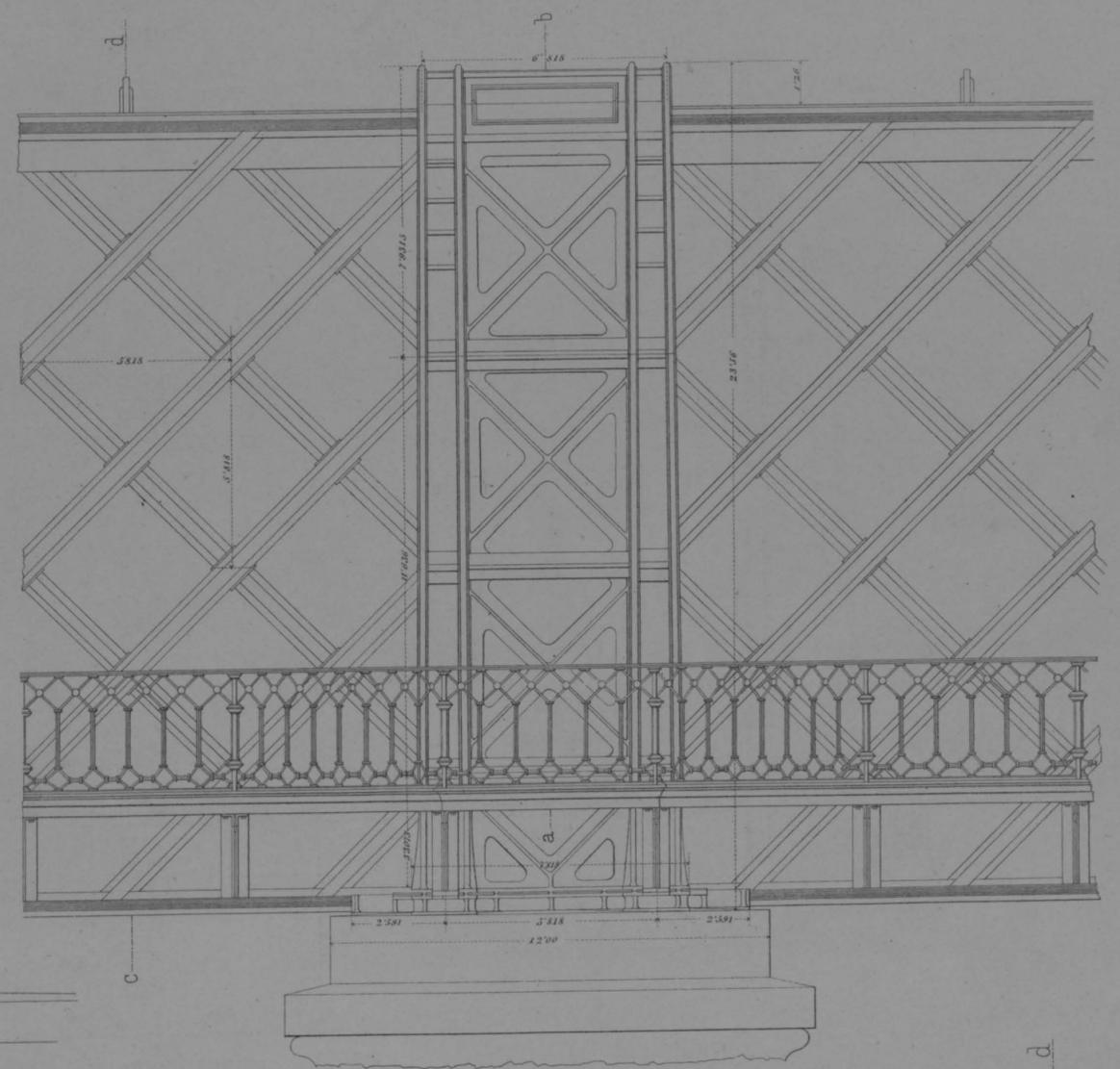
Absteifungen am Mittelpfeiler.

Schnitt ab.

Schnitt cd.

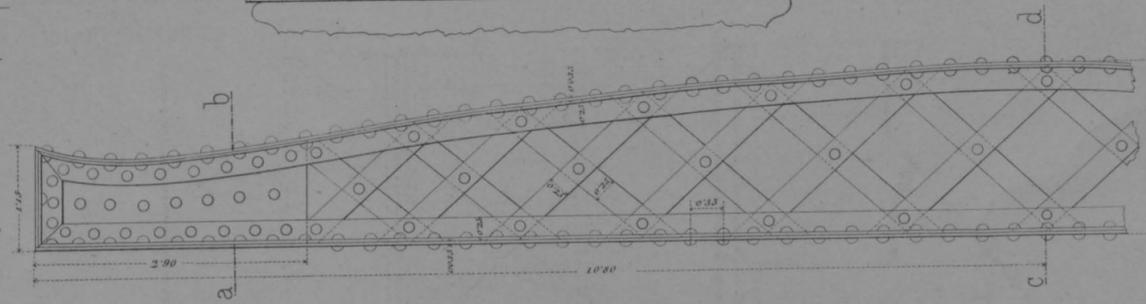
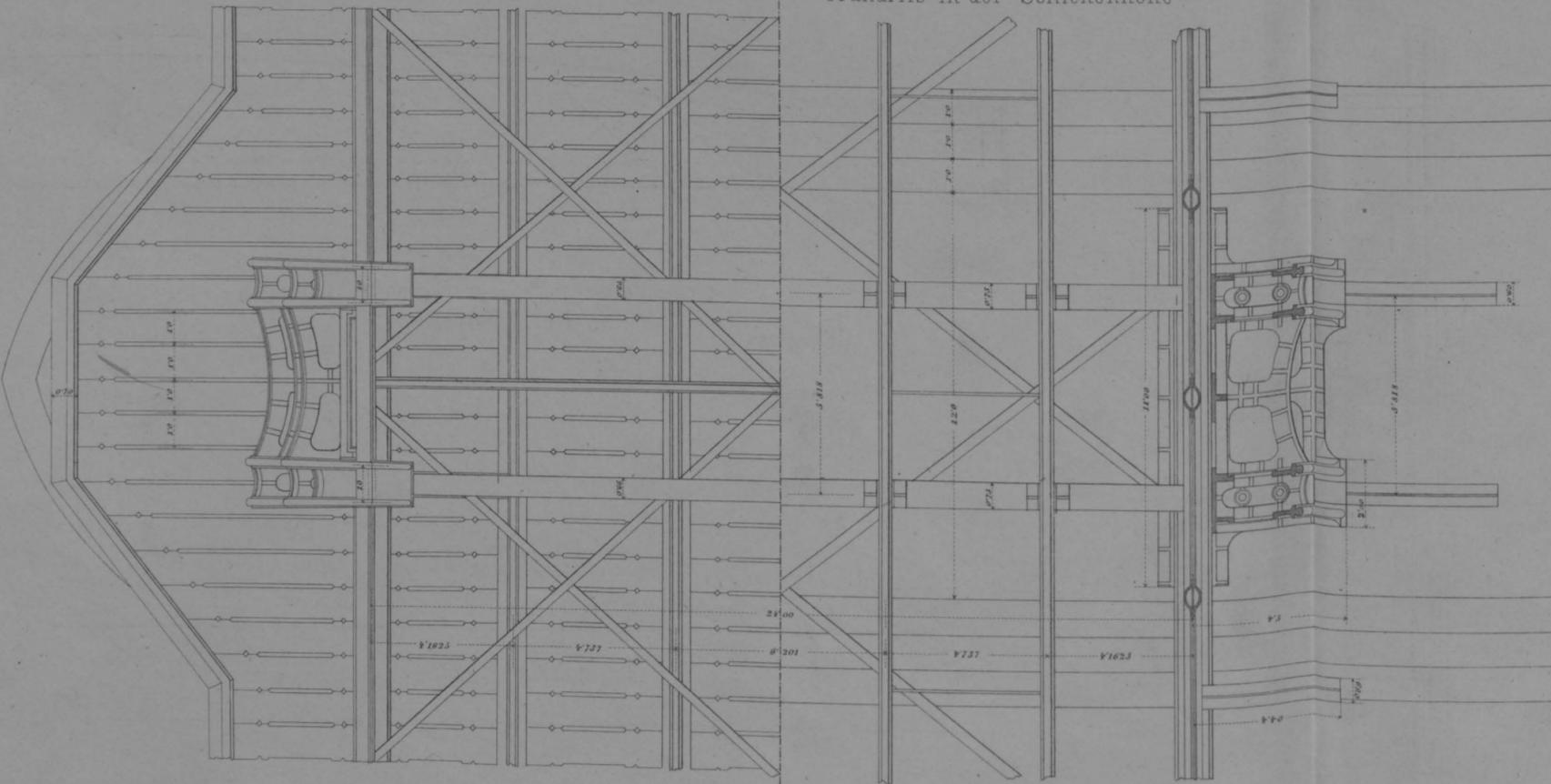


Ansicht.



Daraufsicht.

Grundriss in der Schienenhöhe

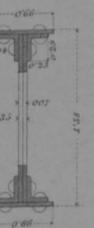


Querverbindungen der gußeisernen Absteifungen an den Mittelpfeilern.

Schnitt ab.

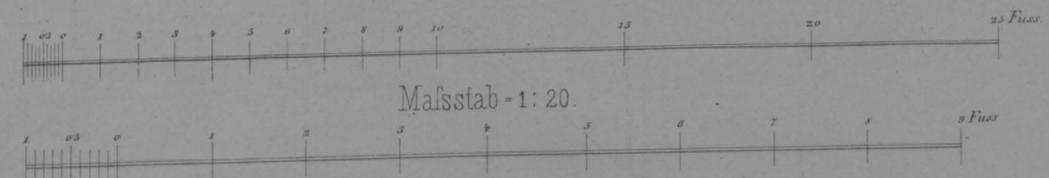


Schnitt cd.



Masstab-1: 50.

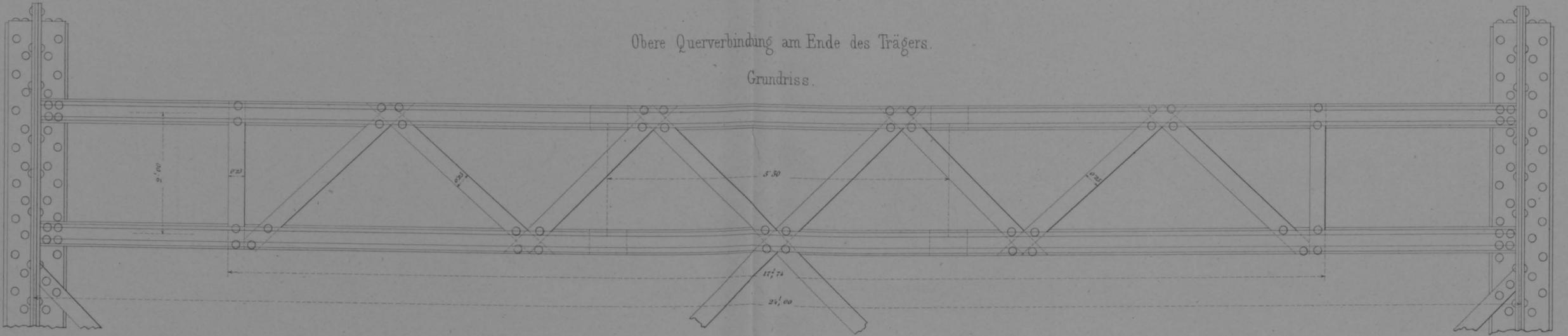
Masstab-1: 20.



EIPEL - BRÜCKE.

Obere Querverbindung am Ende des Trägers.

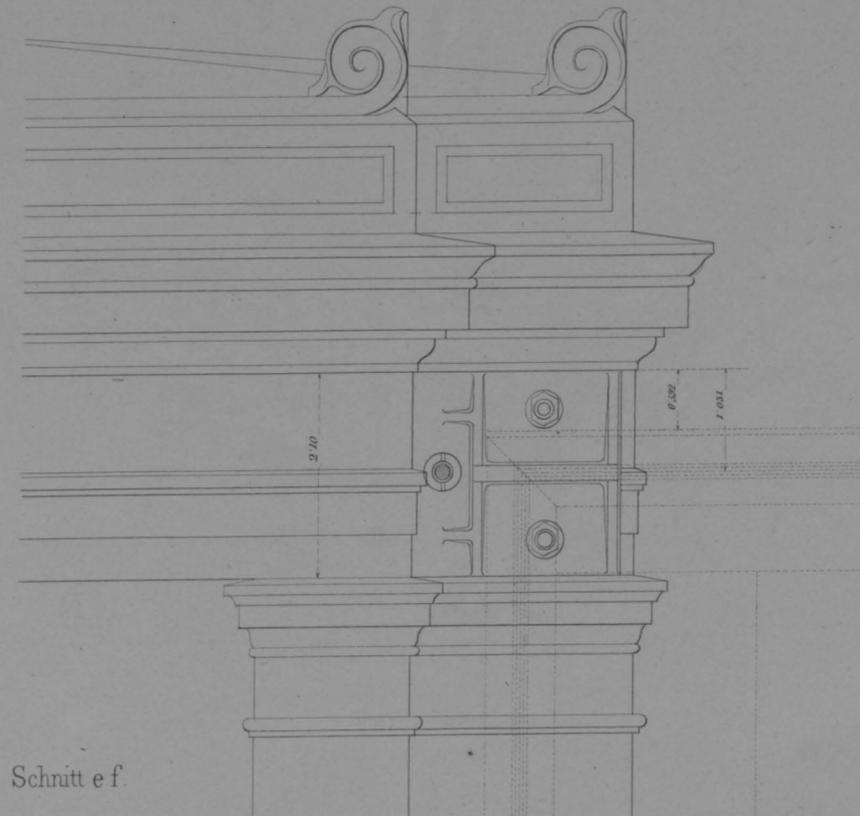
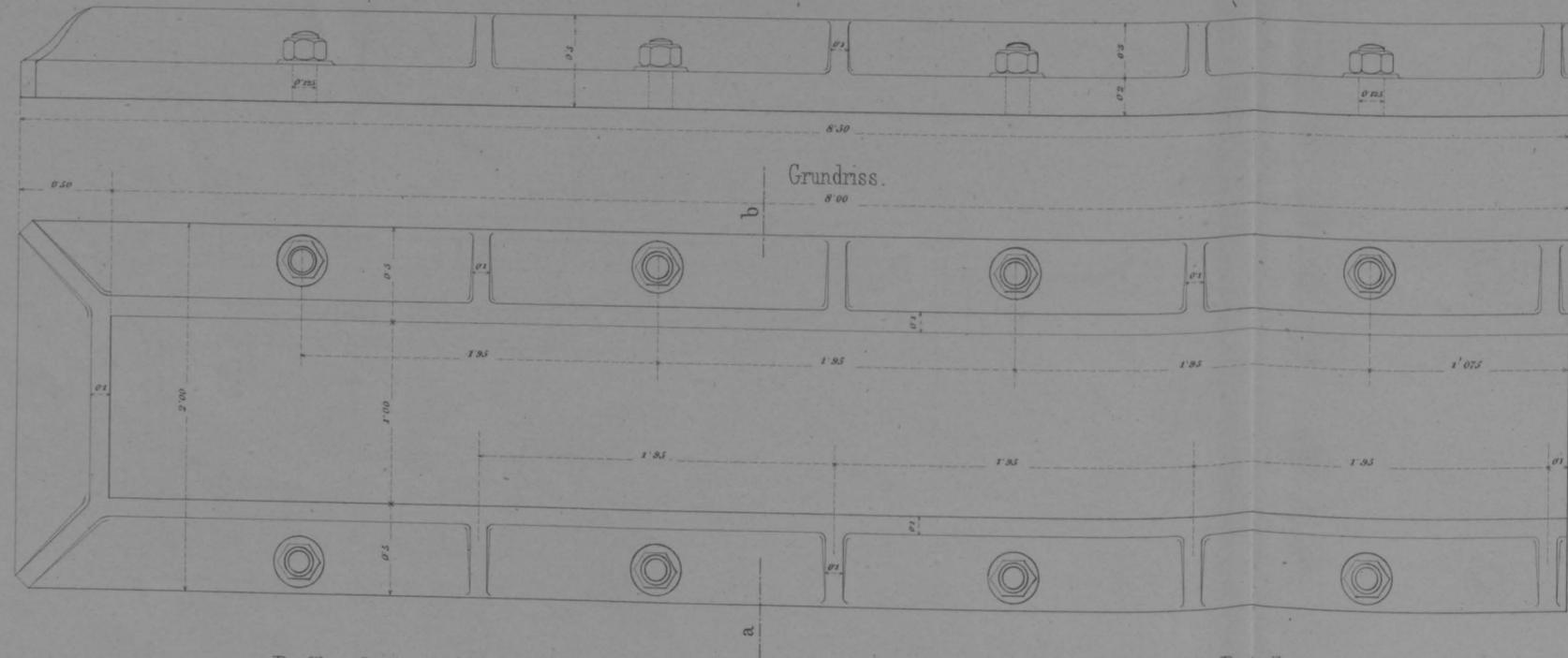
Grundriss.



Auflageplatte am Landpfeiler.

Platte zum Anlehnen der Enden des Trägers.

Ansicht.



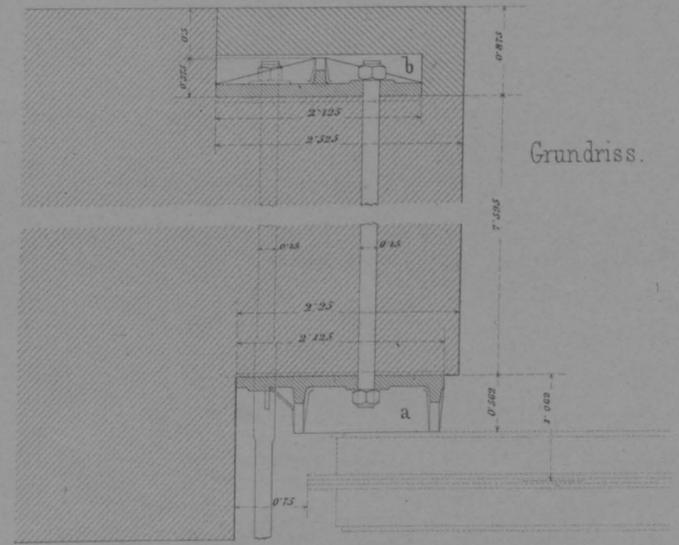
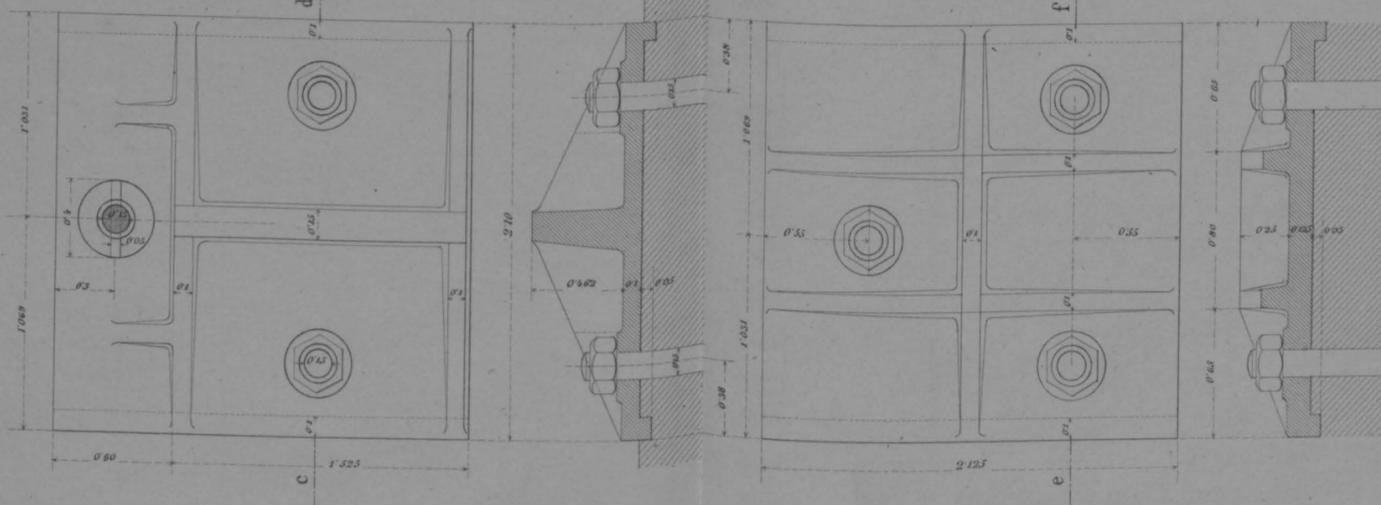
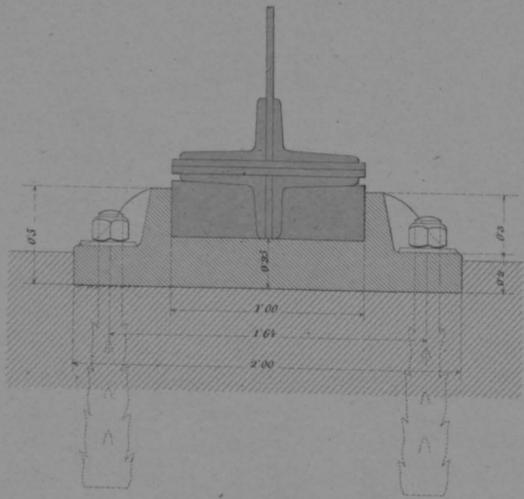
Profil nach a b.

Detail der Platte a zum Anlehnen der Enden des Trägers.

Detail

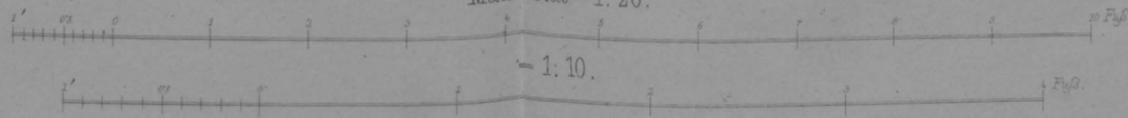
der Platte b an der Hinterseite des Hauses.

Schnitt e f.

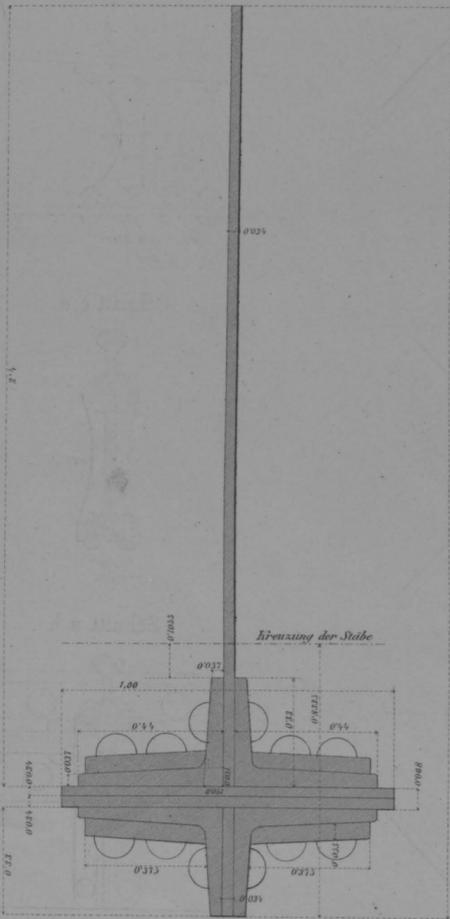


Grundriss.

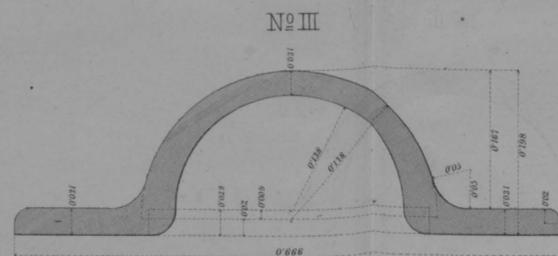
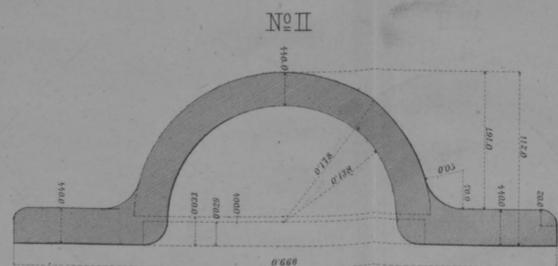
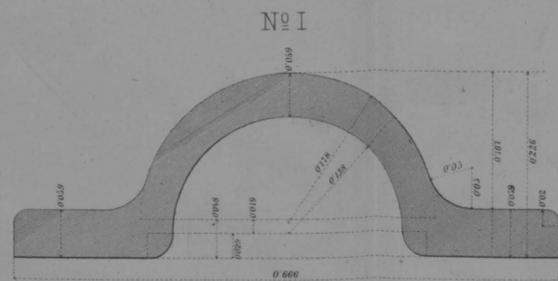
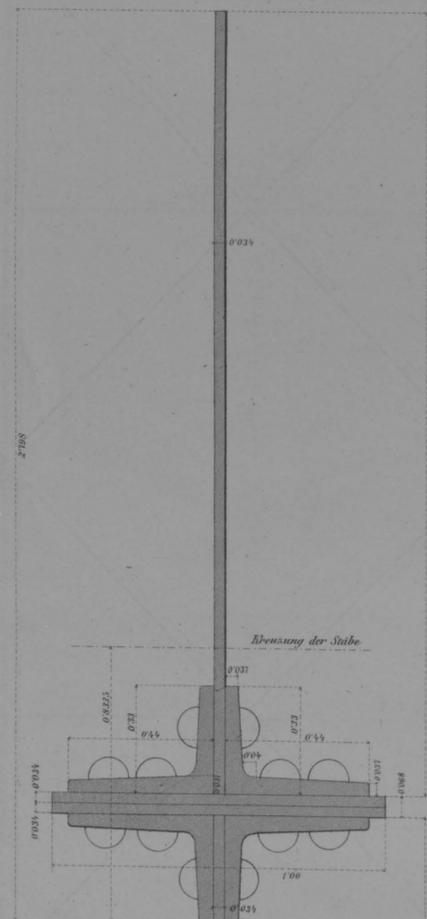
Maßstab = 1:20.



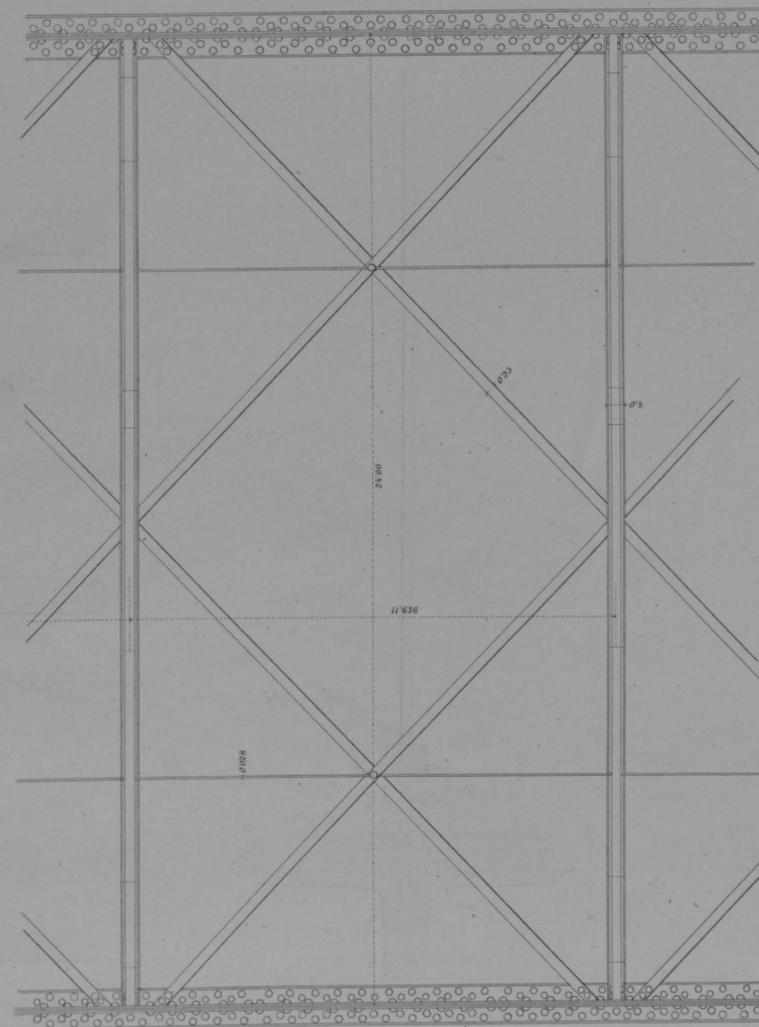
Profil der untern Gürtung
ober den Pfeilern.



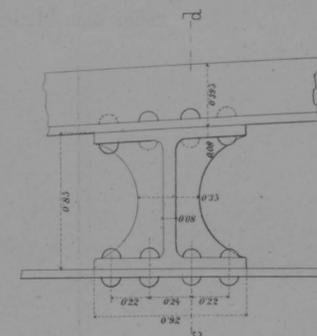
Profil der untern Gürtung
zwischen den Pfeilern.



Obere Diagonalverbindungen



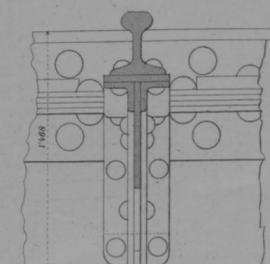
Einsatzstück



Schnitt c. d.



Schnitt a. b.

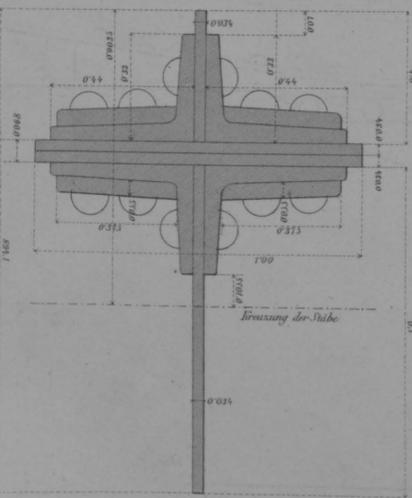


Maasstab für die Gürtungen 1:5

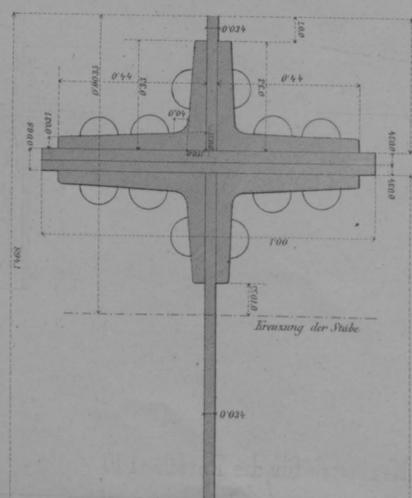
Maasstab für die Gitterstäbe 1:2

Maasstab 1:40

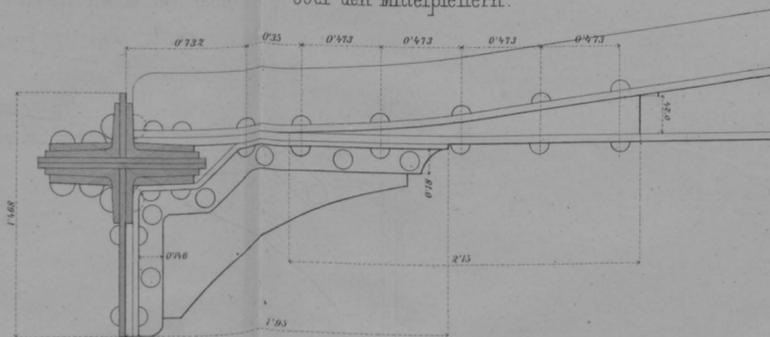
Profil der obern Gürtung
ober den Pfeilern.



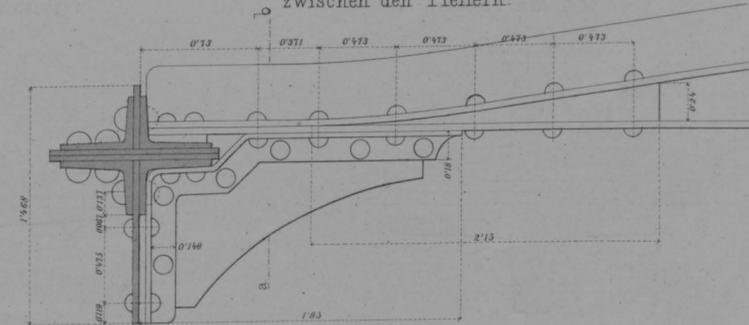
Profil der obern Gürtung
zwischen den Pfeilern.



Zusammenhang der oberen Querverbindungen mit dem Tragitter
ober den Mittelpfeilern.

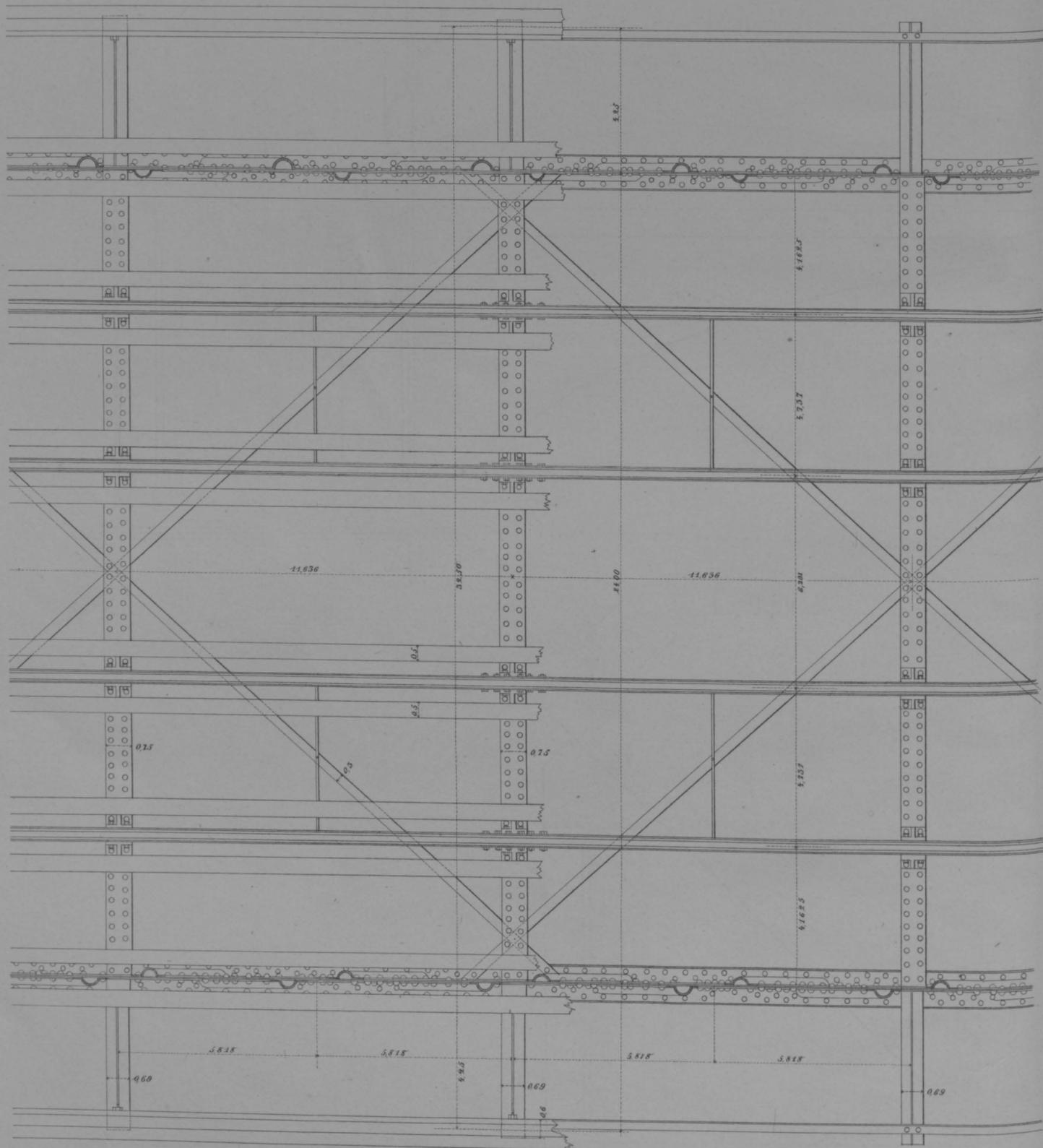


Zusammenhang der oberen Querverbindungen mit dem Tragitter
zwischen den Pfeilern.

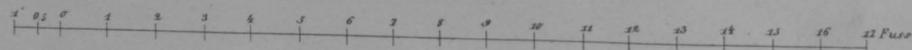


Maasstab für die Details 1:10

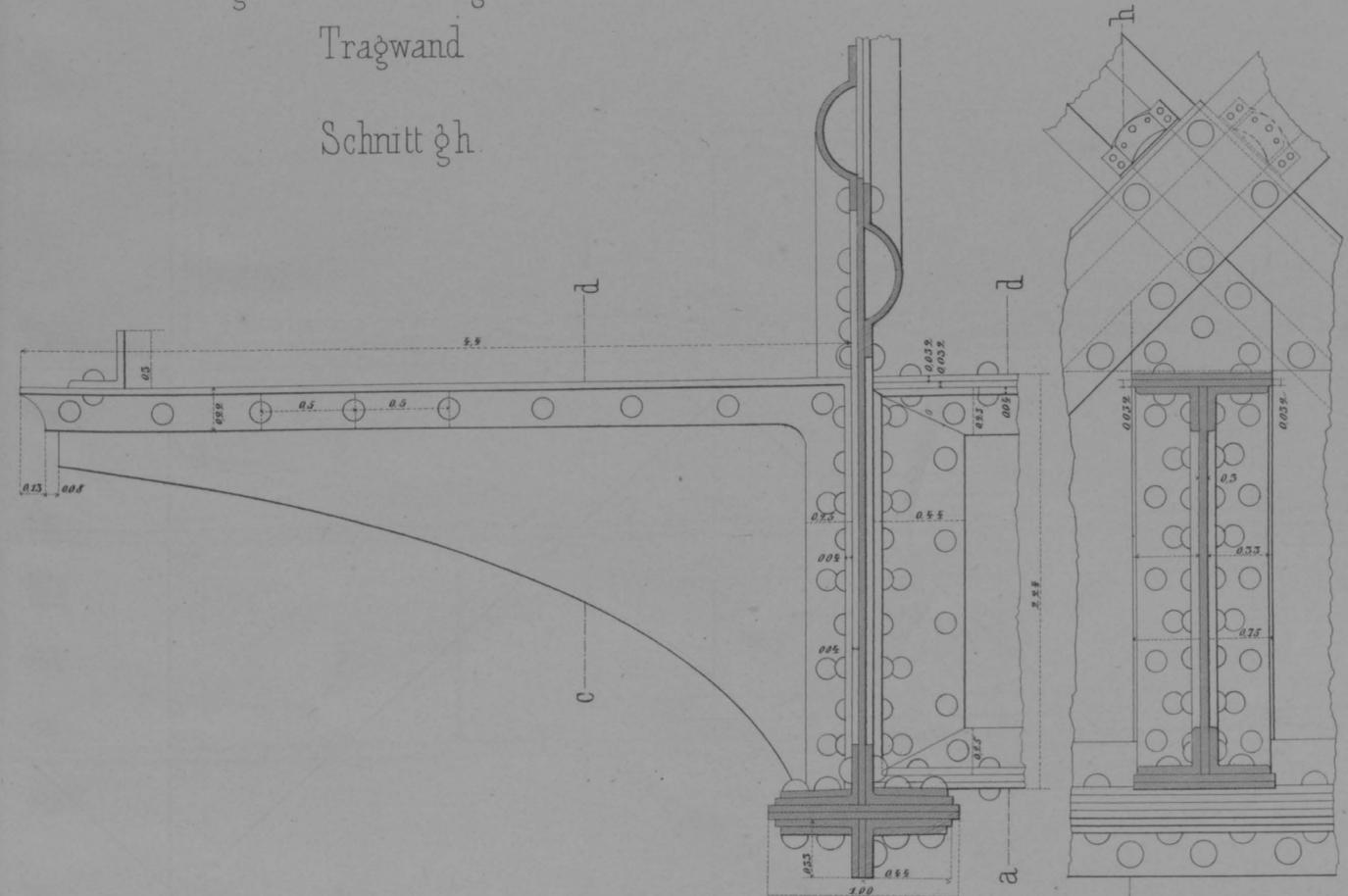
Untere Diagonal-Verbindungen.



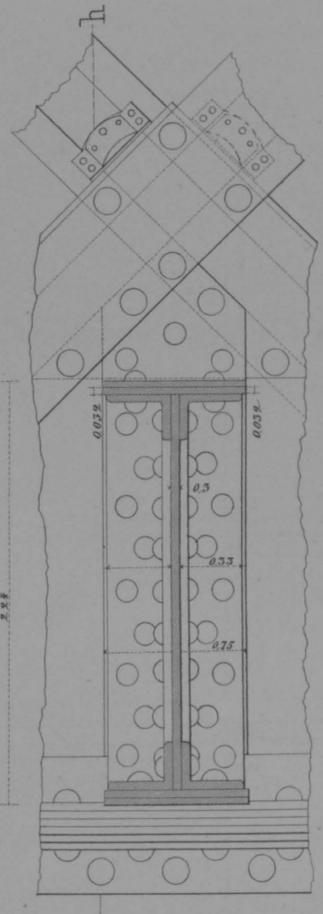
Maafstab für den Grundriss 1:40.



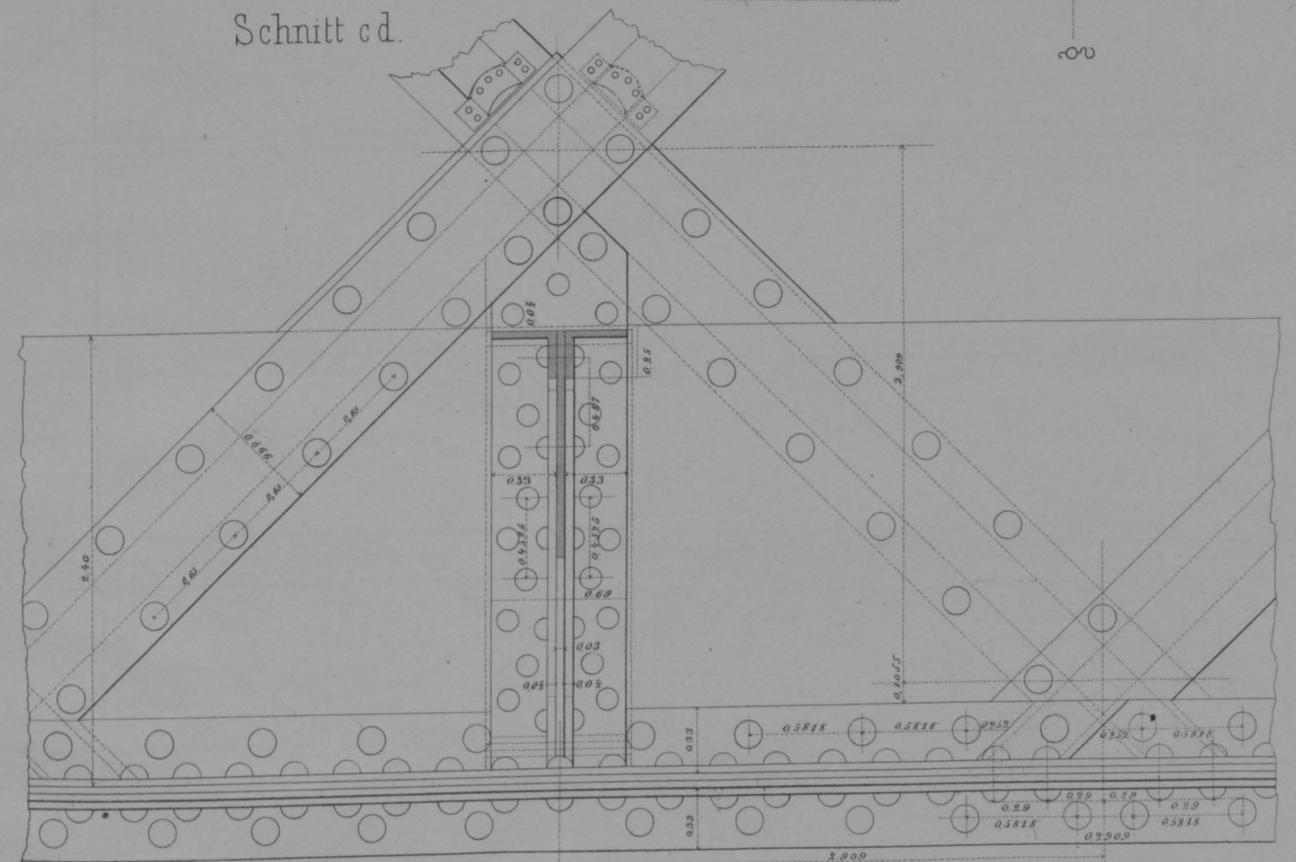
Verbindung des Querträegers mit der Tragwand
Schnitt gh.
Schnitt dh.



Schnitt ab.



Schnitt cd.



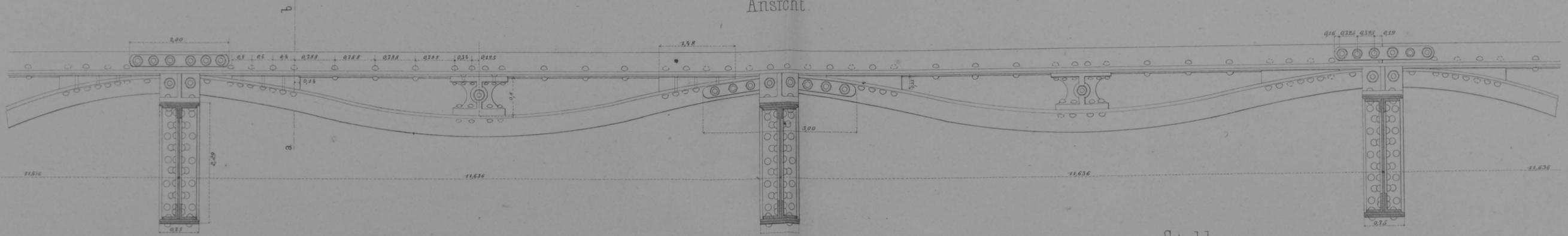
Maafstab für das Detail 1:10



EIPEL-BRÜCKE

Fischbauchträger

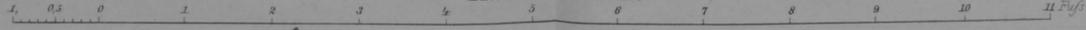
Ansicht



Einsatzstück

Maßstab=1:20

Stuhl



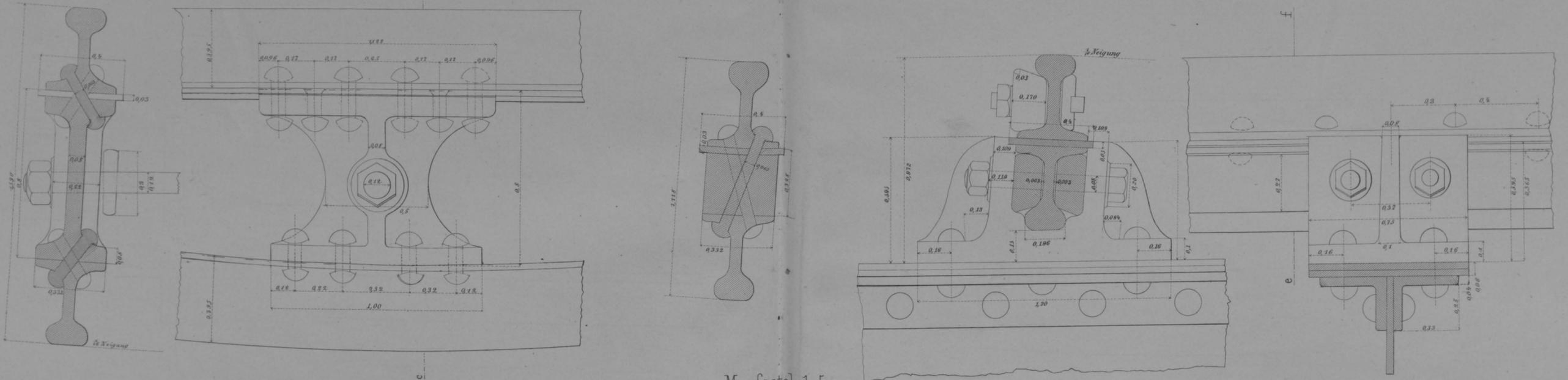
Schnitt cd.

Ansicht

Schnitt ab

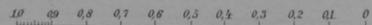
Schnitt ef

Ansicht



Maßstab=1:5

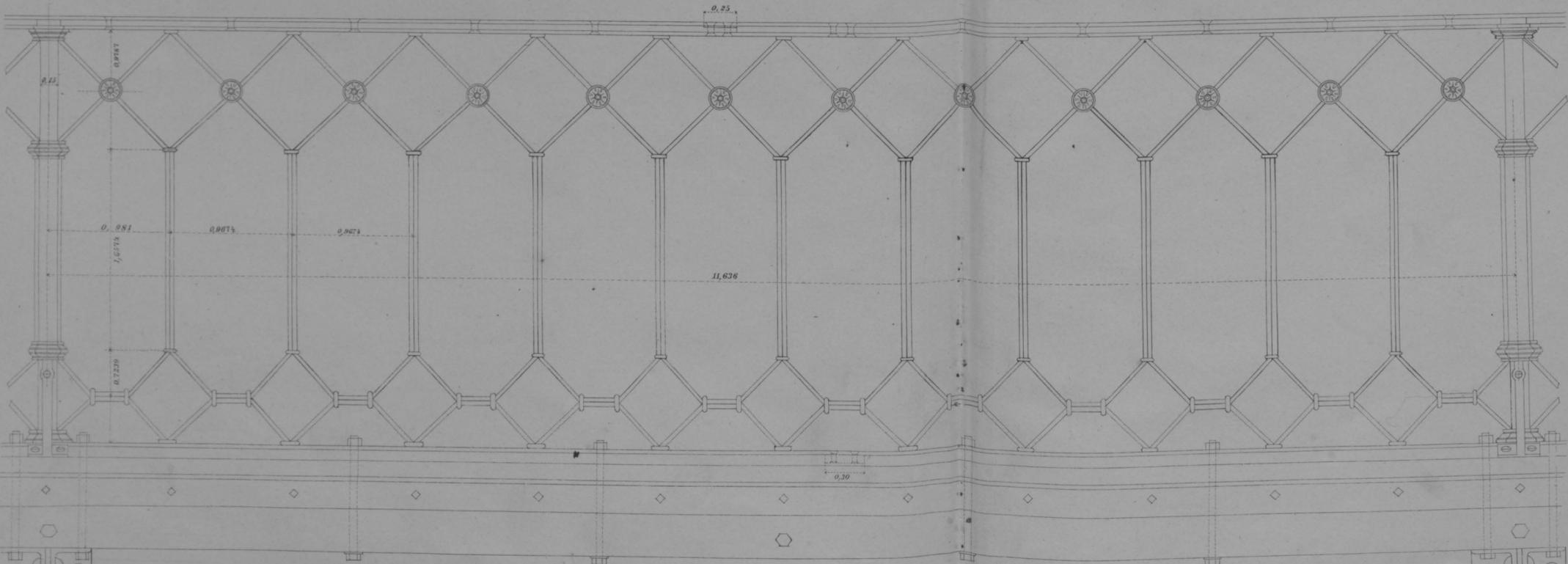
2 Fuß



Ansicht

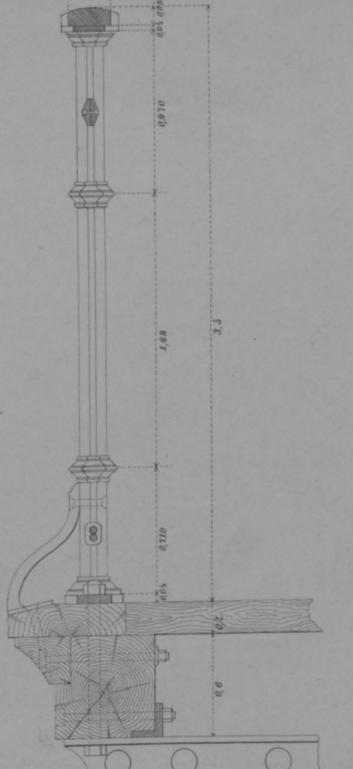
Geländer

Querschnitt

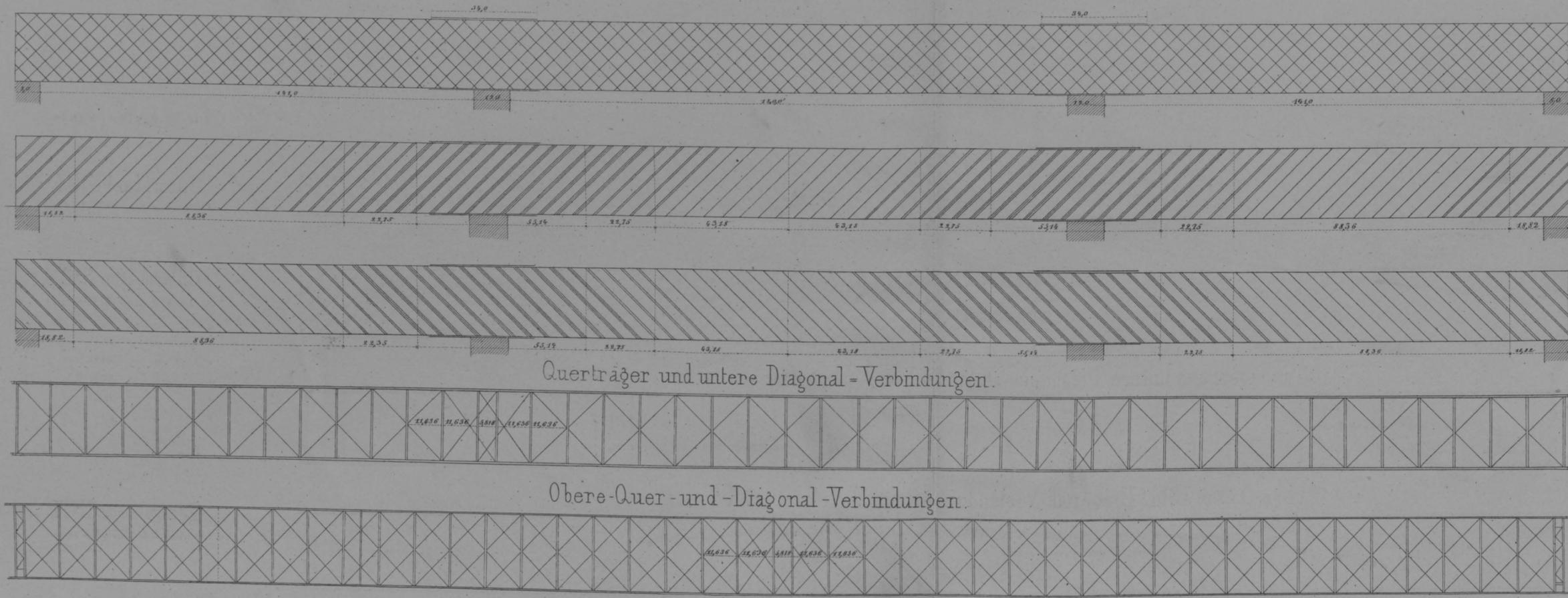


Maßstab=1:10

4 Fuß



Austheilung der Gitterstaebe an einer Tragwand.



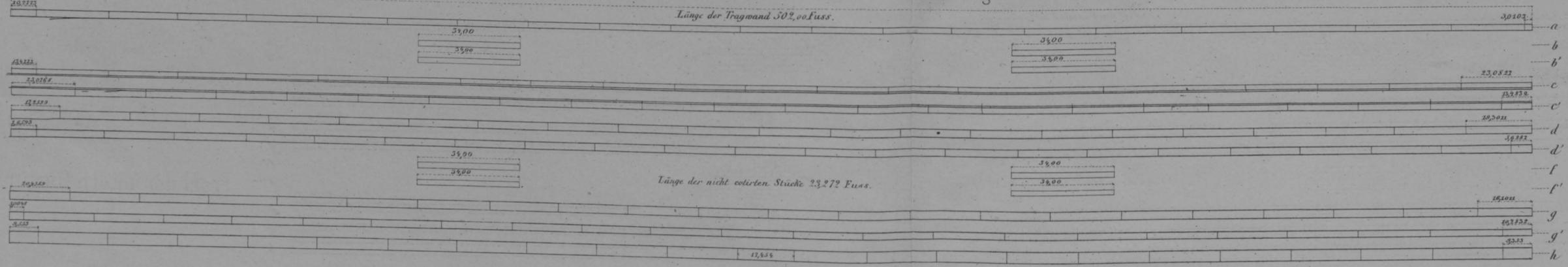
Für beide Tragwände.

Gitterstaebe N^oI.
100 Stück à lang 30,256 Fuss.

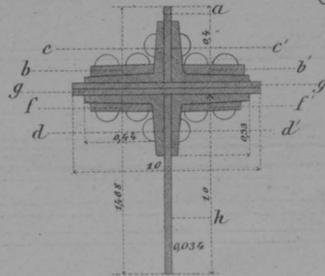
- Gitterstaebe N^oII.
- 92 Stück à lang 30,256 Fuss
 - I " à " 26,8 "
 - II " à " 18,6 "
 - III " à " 10,5 "
 - IV " à " 22,7 "
 - V " à " 14,5 "
 - VI " à " 6,5 "

Gitterstaebe N^oIII
156 Stück à lang 30,256 Fuss.

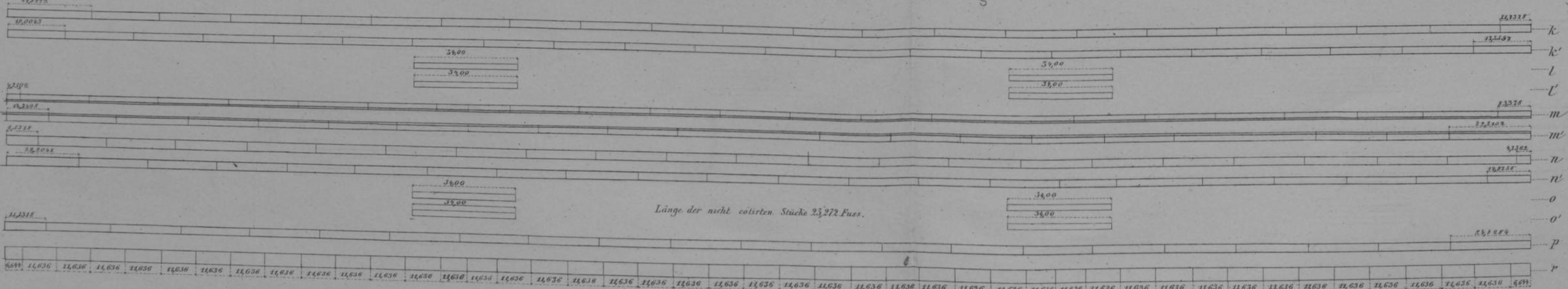
Austheilung der Bleche und Winkel der obern Gürtung.



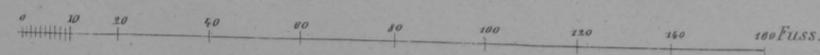
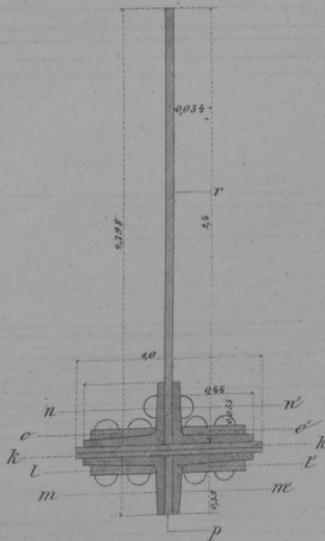
Profil der obern Gürtung.



Austheilung der Bleche und Winkel der untern Gürtung.



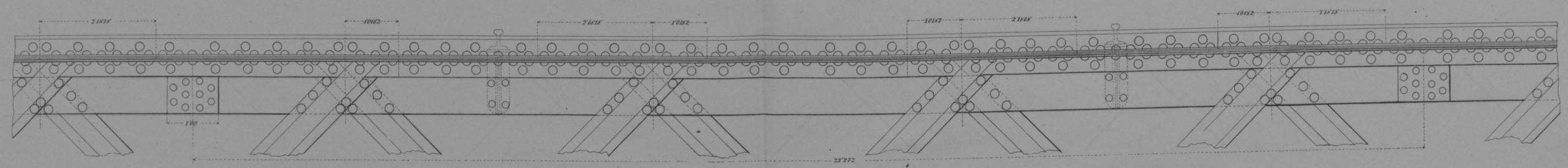
Profil der untern Gürtung.



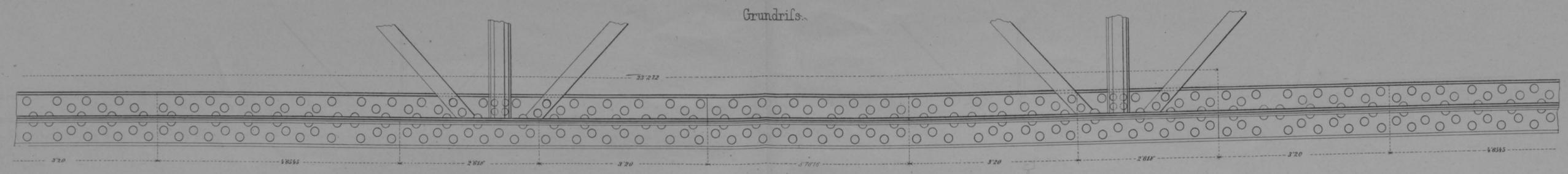
EIPEL BRÜCKE

Austheilung der Nieten an der obern Gürtung

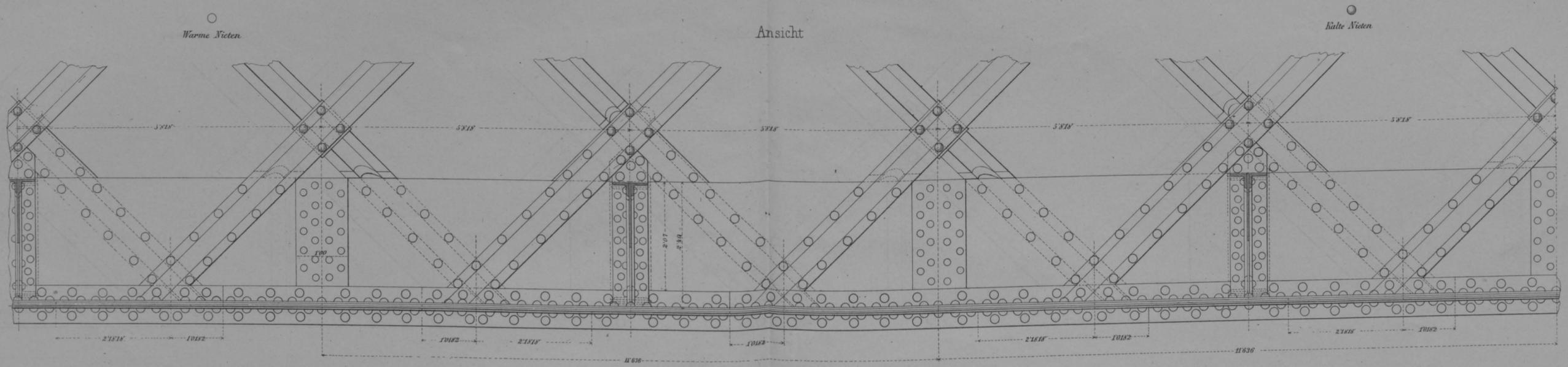
Ansicht.



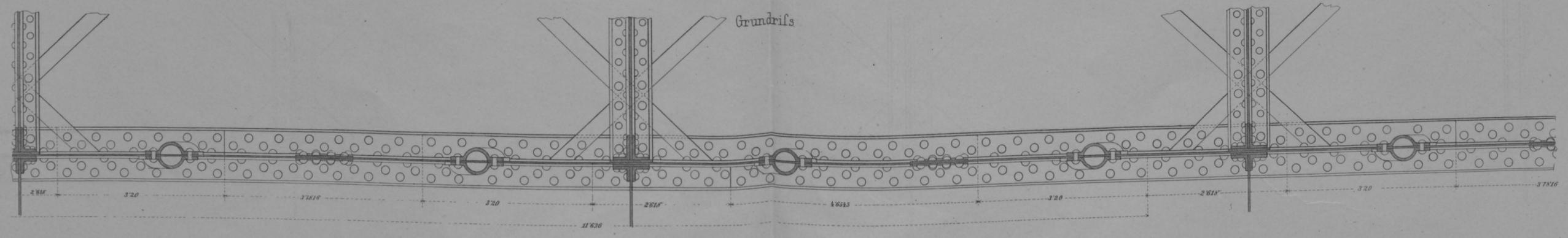
Grundriss.



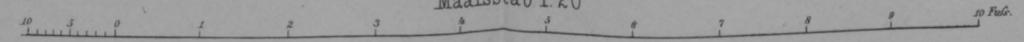
Ansicht



Grundriss

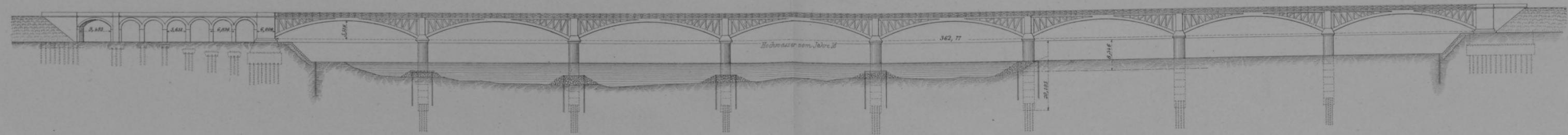


Maafsstab 1:20

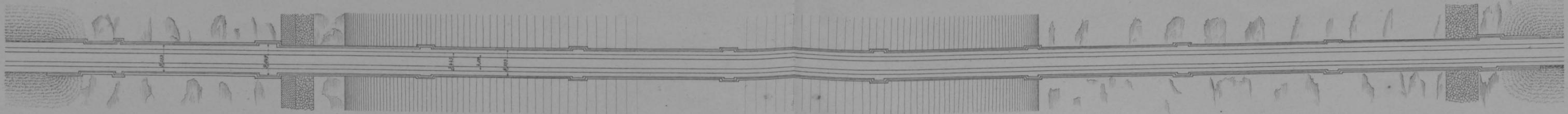


THEISBRÜCKE IN SZEGEDIN.

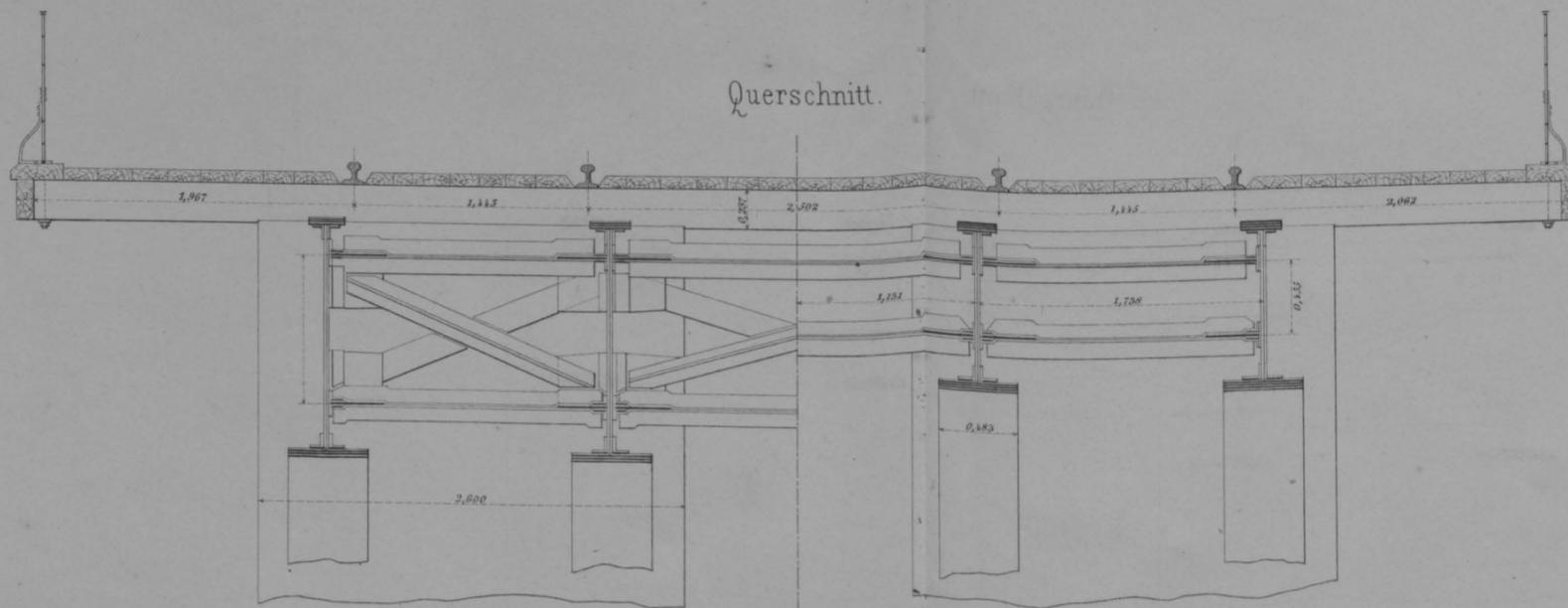
Ansicht.



Grundriss.



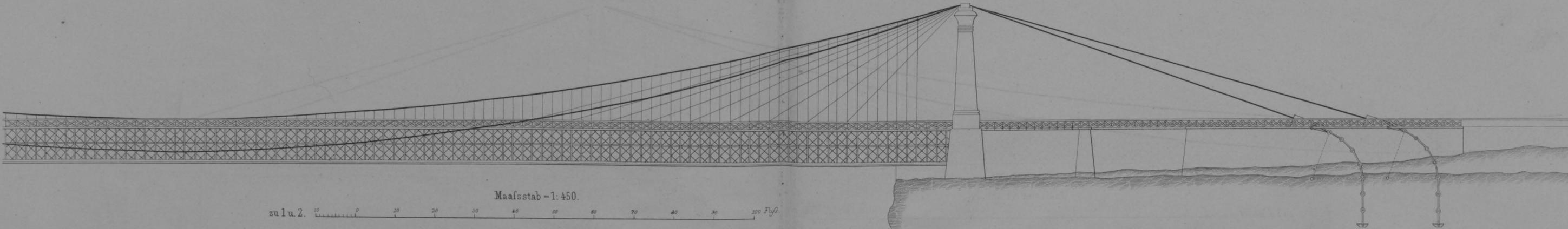
Querschnitt.



Maafsstab = 1: 40.

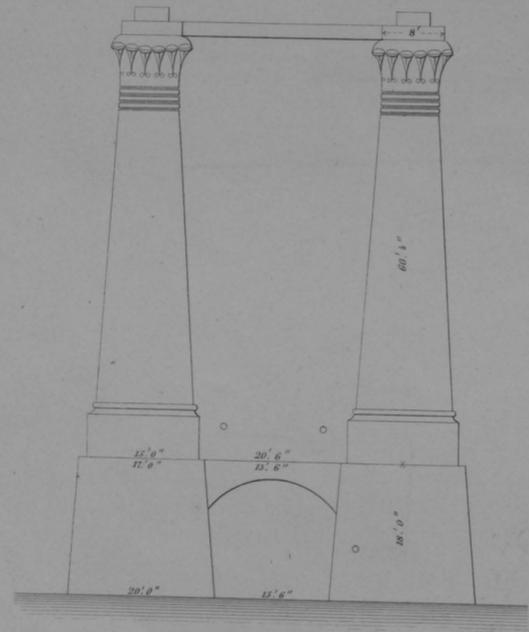


1. Ansicht.

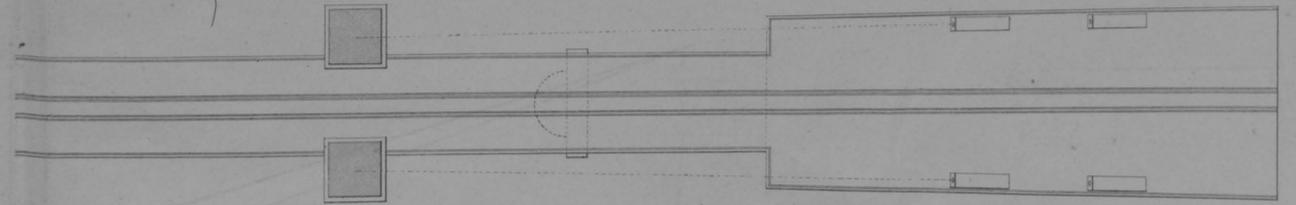


Maafsstab = 1:450.
zu 1 u. 2. 0 10 20 30 40 50 60 70 80 90 100 Fuß.

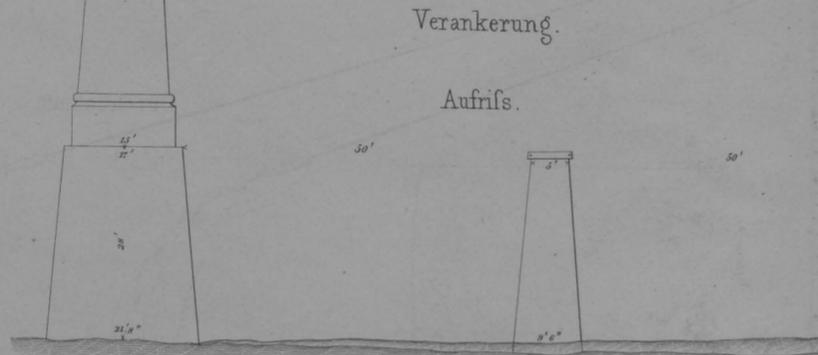
3. Westliche Thürme.



2. Grundriss.



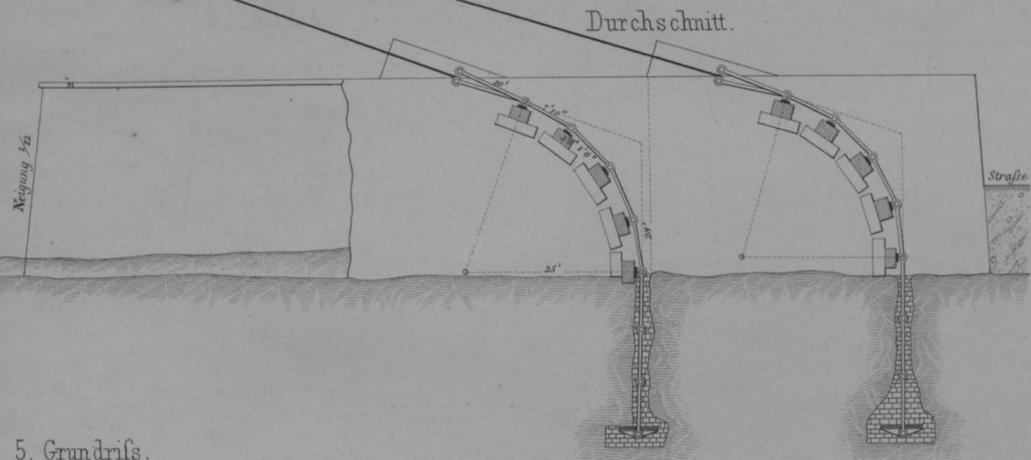
4. Mauerwerk am östlichen Ufer.



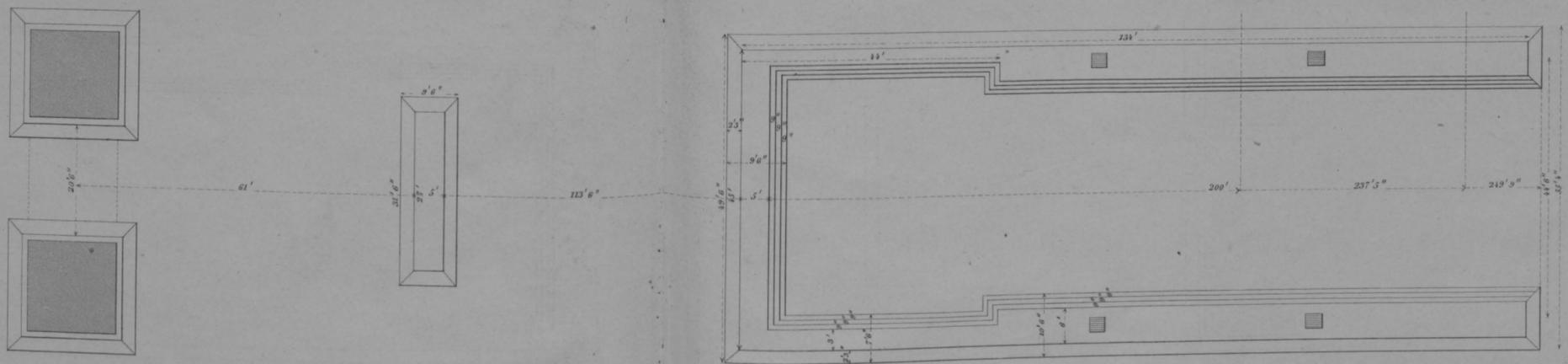
Verankerung.

Aufriß.

Durchschnitt.



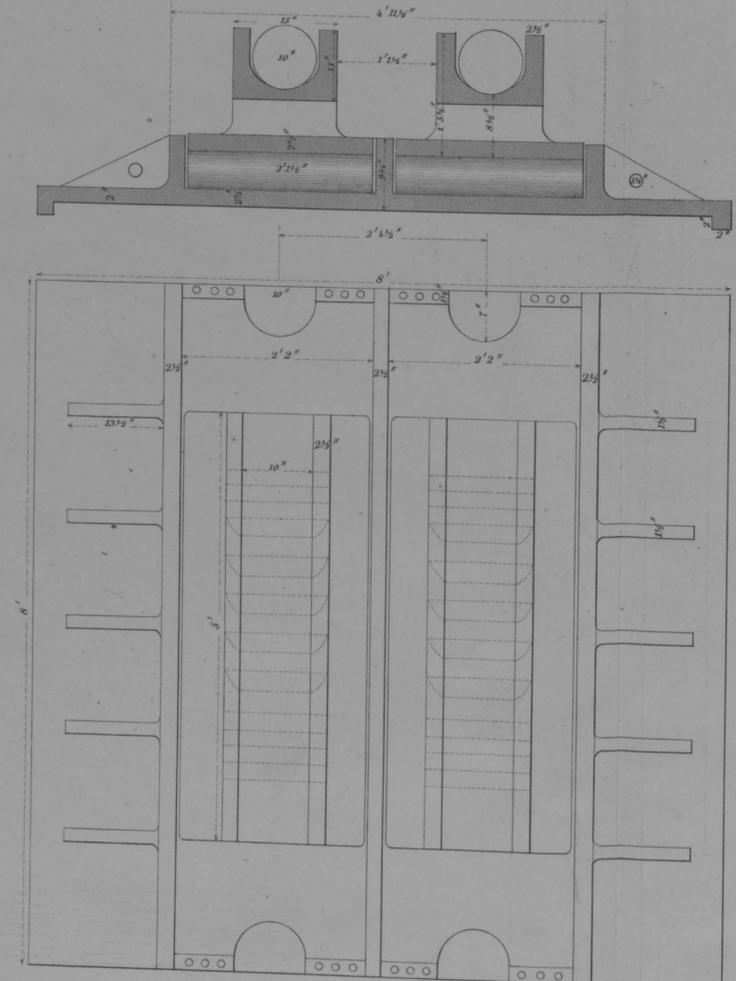
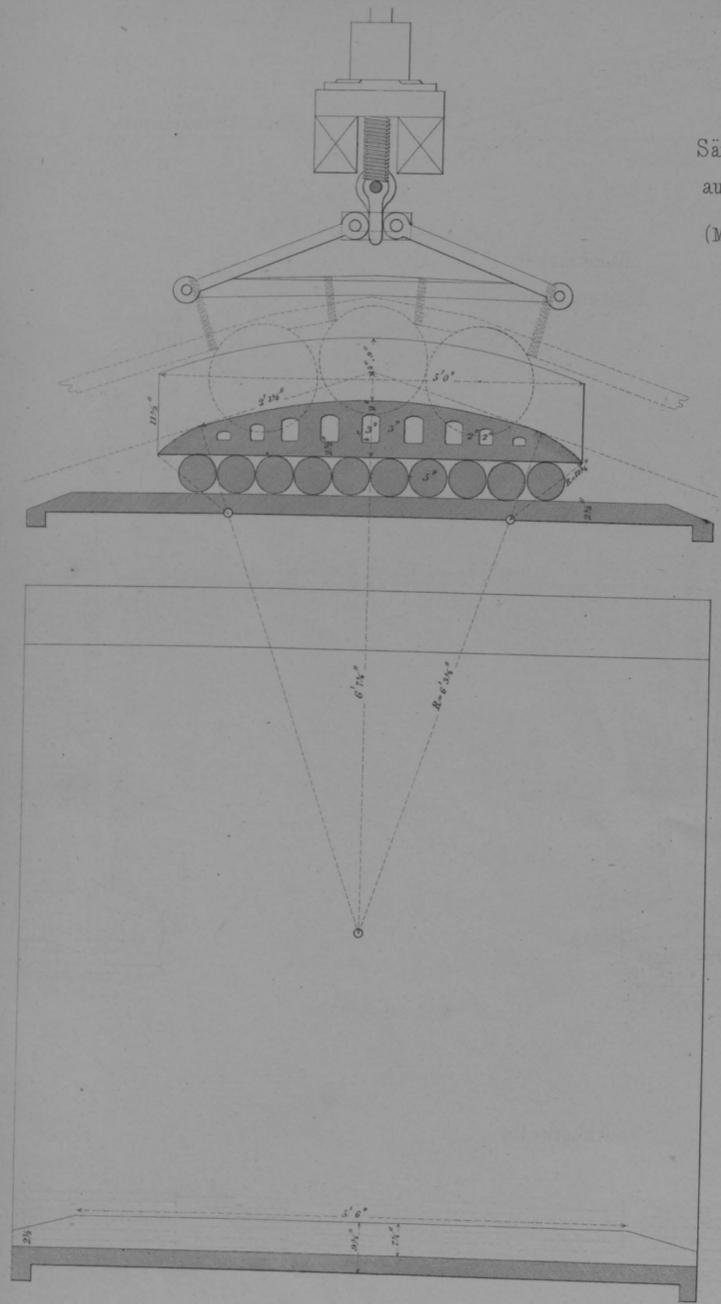
5. Grundriss.



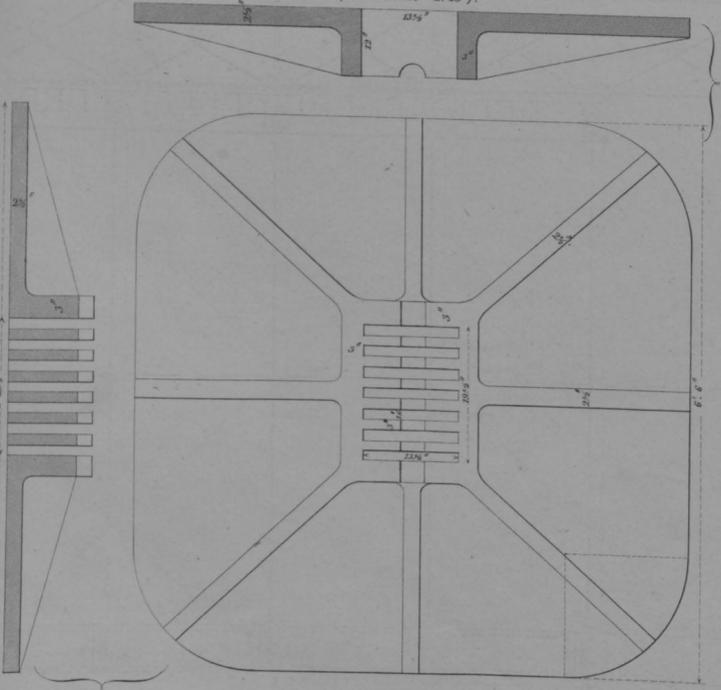
Maafsstab = 1:240.

zu 3, 4 u. 5. 0 10 20 30 40 50 60 70 80 90 100 Fuß.

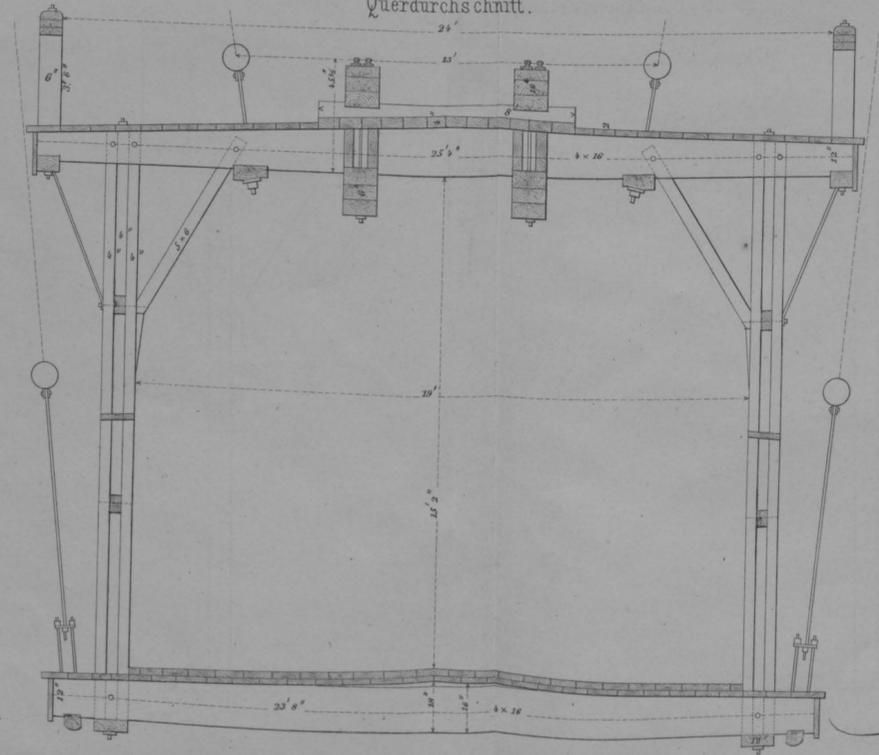
Sättel und Platten.
auf den Thürmen.
(Maafstab=1:18).



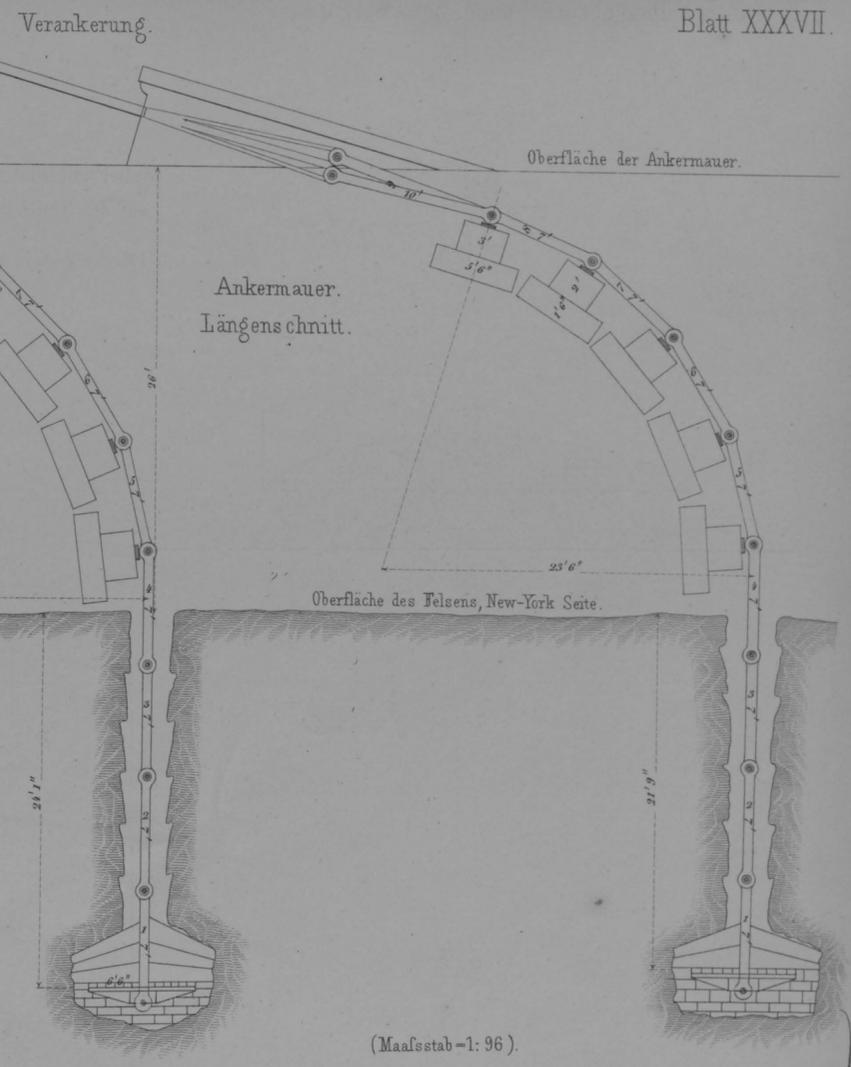
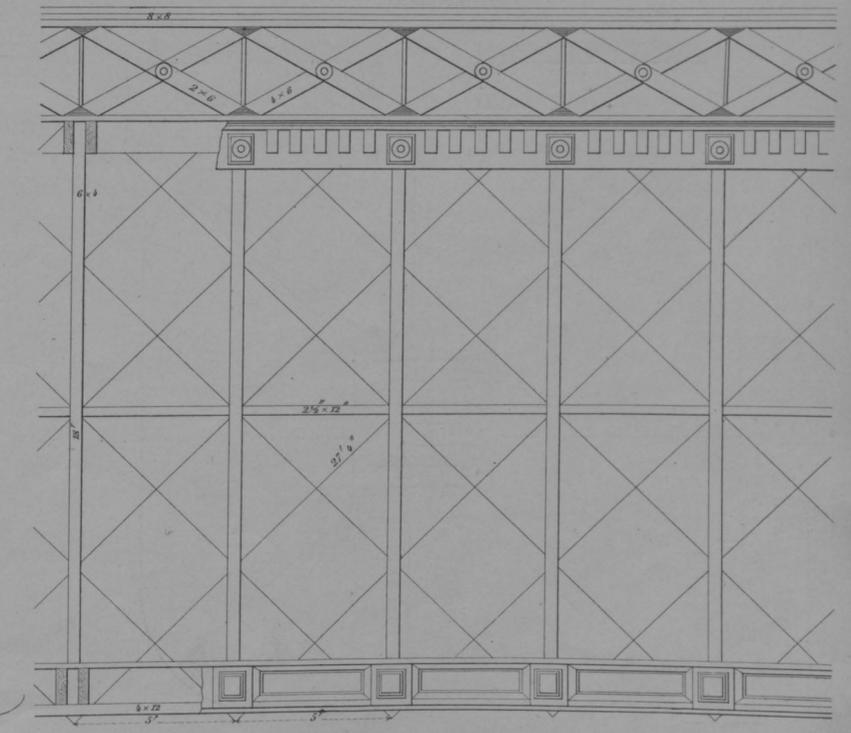
Ankerplatte.
(Maafstab=1:18).



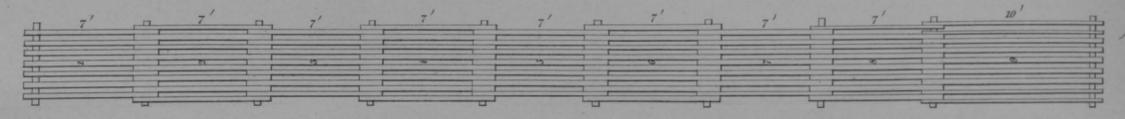
Querdurchschnitt.



Brückenbahn.
(Maafstab=1:48).

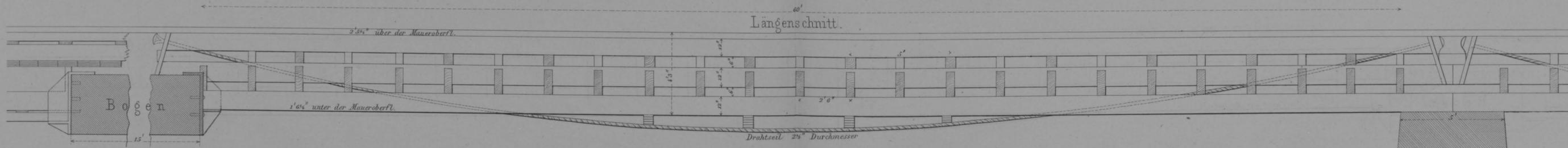


Ankerkette.

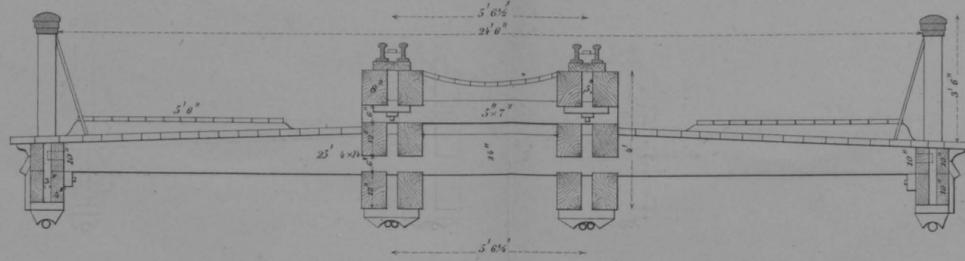


Seitenbrücken.

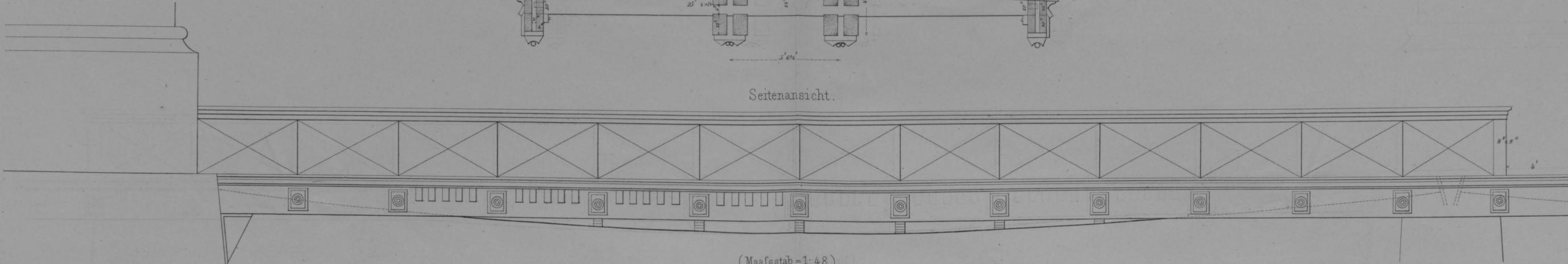
Längenschnitt.



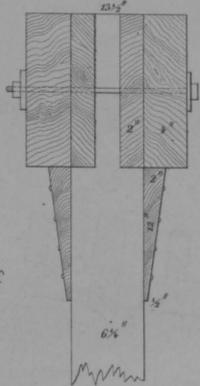
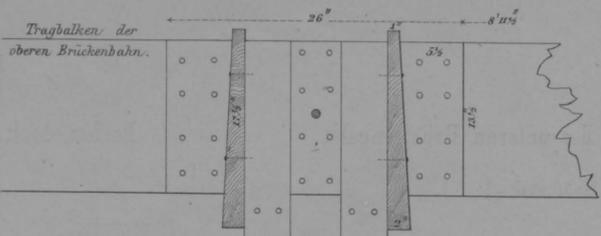
Querschnitt.



Seitenansicht.

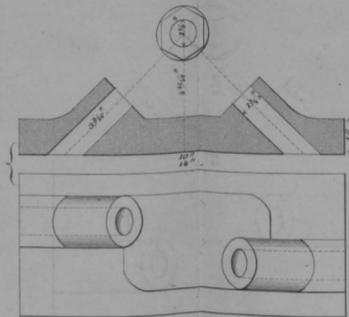


(Maafsstab = 1: 48).

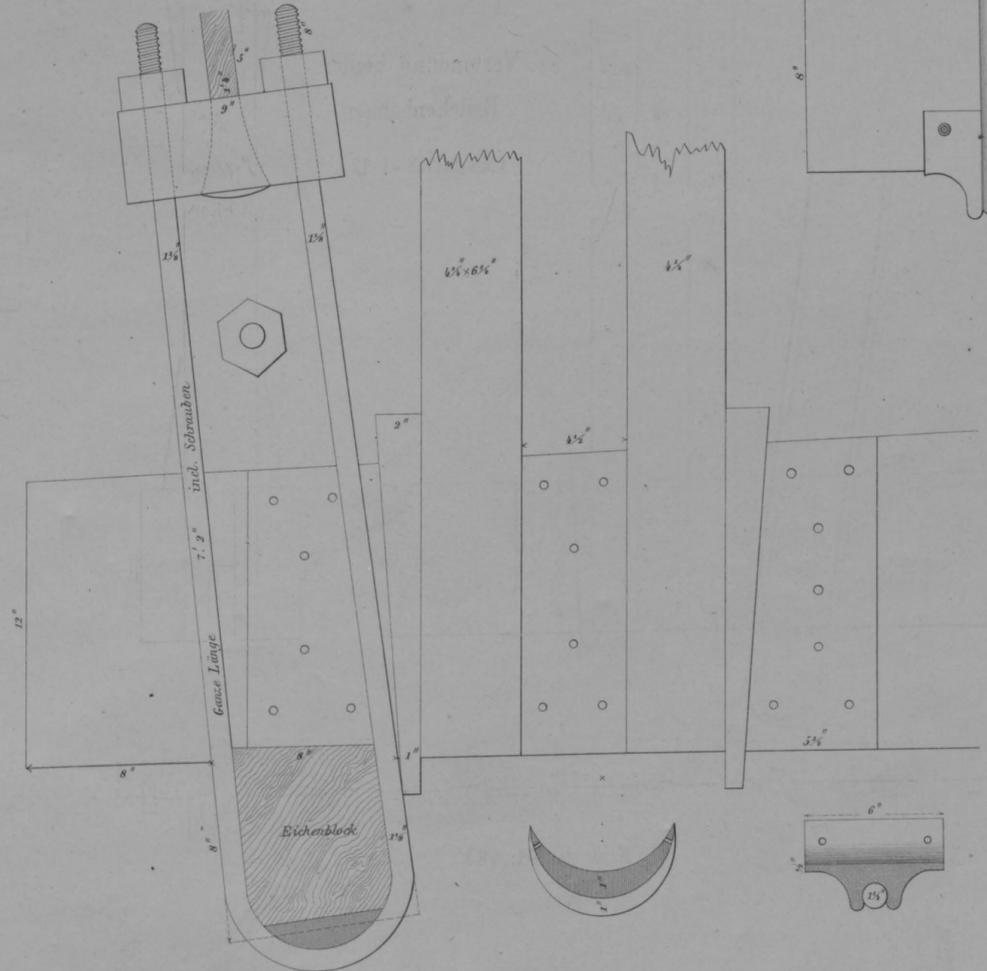


Verbindung beider Brückenbahnen.
(Maafsstab = 1: 12).

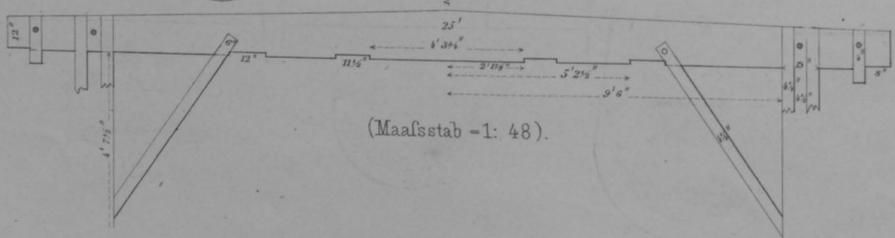
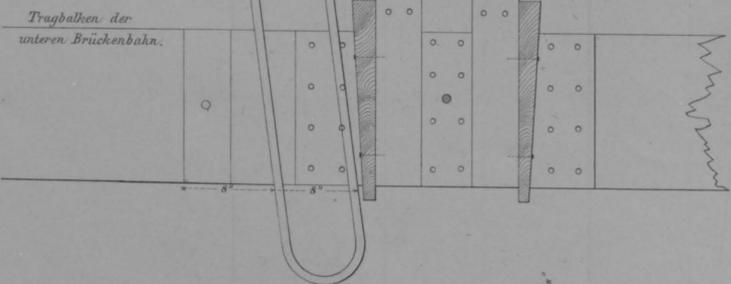
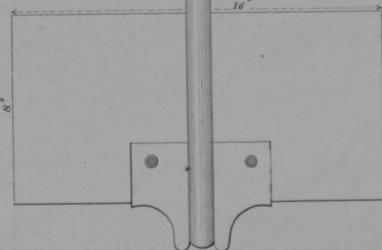
Platte für die Strebestange.
(Maafsstab = 1: 6).



Aufhängung der unteren Brückenbahn.
(Maafsstab = 1: 6).



Eichenblock und Bügel.



(Maafsstab = 1: 48).