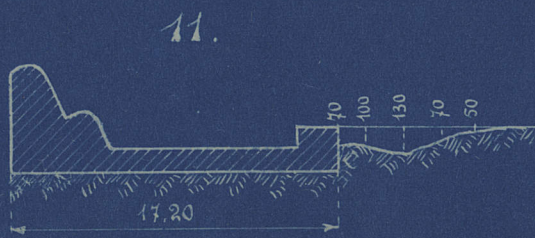
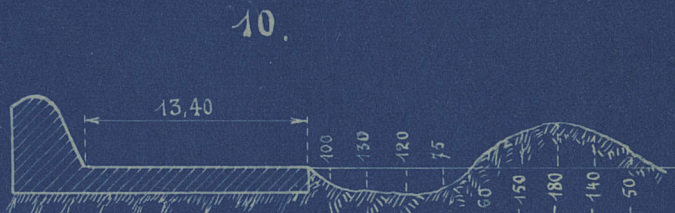
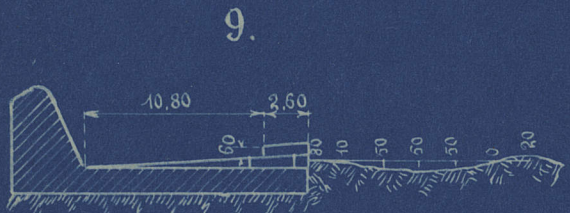
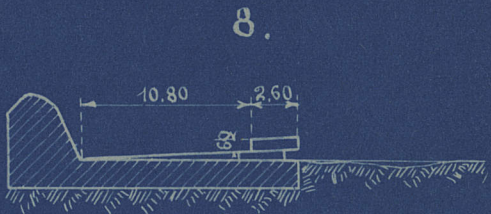
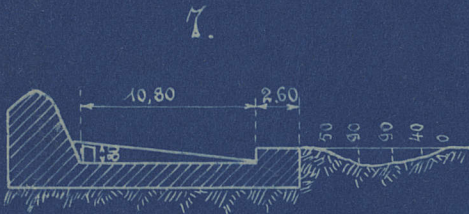
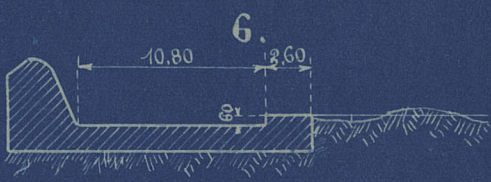
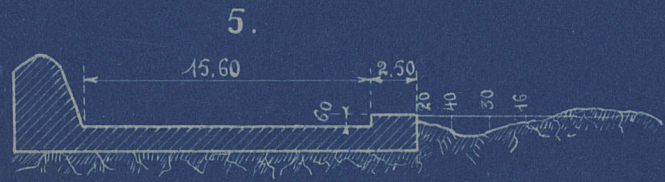
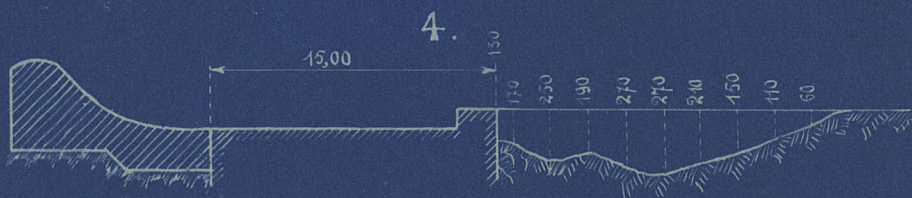
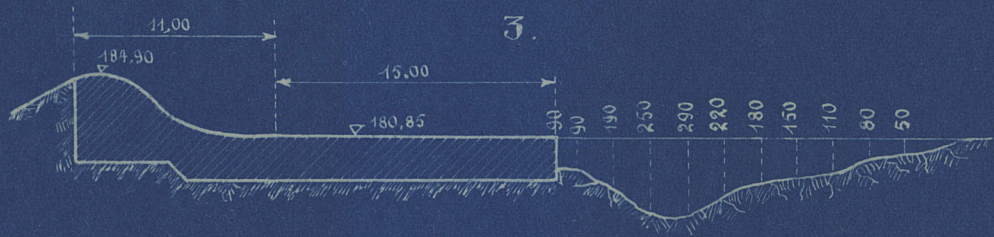


Résultats des essais sur modèles pour le barrage à Helmer sur la Moldau (près de Prague)



Barrage en dos d'âne sur l'Isonzo près de Sagrado (Italie)

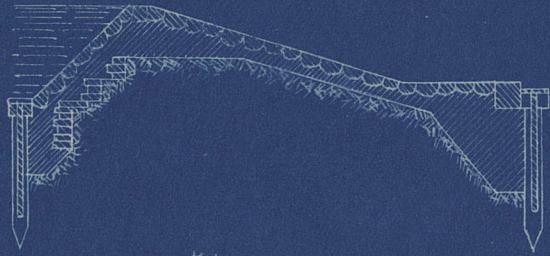
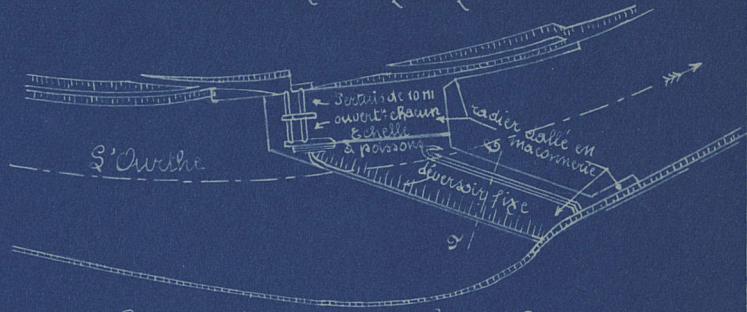


Fig 1.

Barrage d'angleur sur l'Ourthe

1. Plan d'ensemble



2. Coupe transversale a. b.

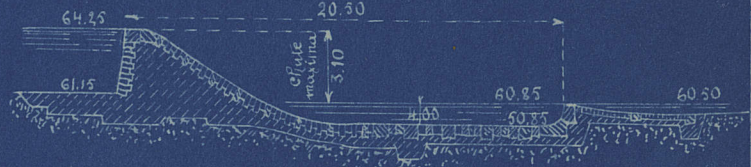


Fig 2.

Nouveau barrage à

Helner sur la Moldau.

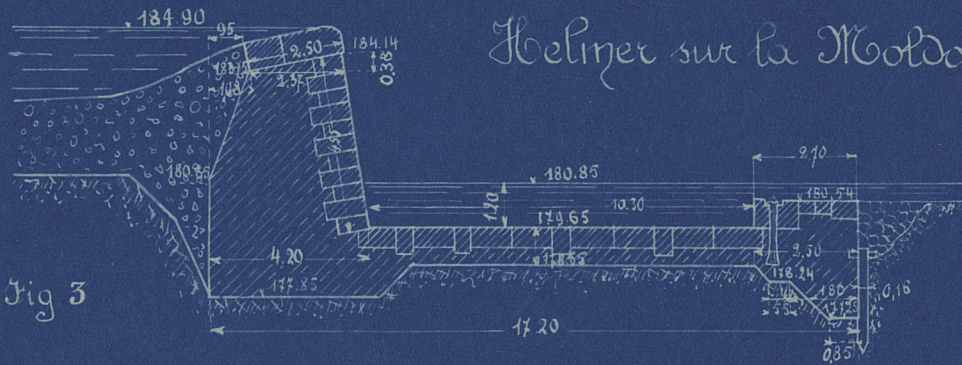


Fig 3

Barrage sur la Sitter près de S^t Gall (Suisse)

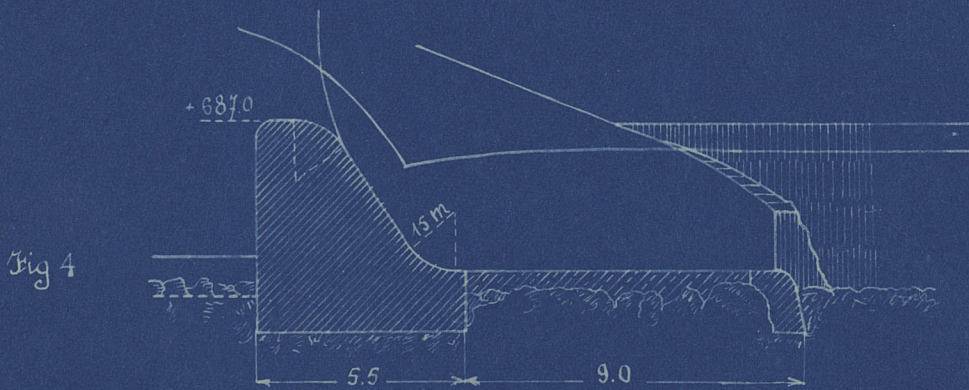
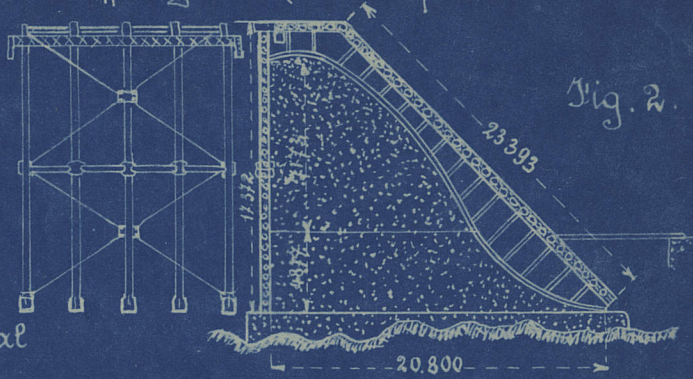
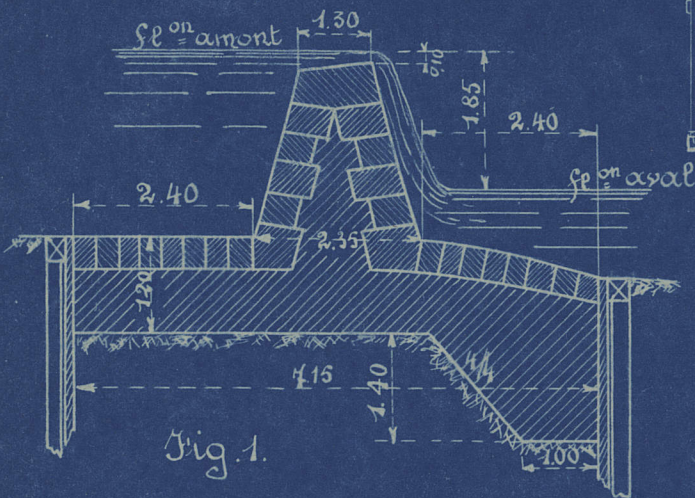


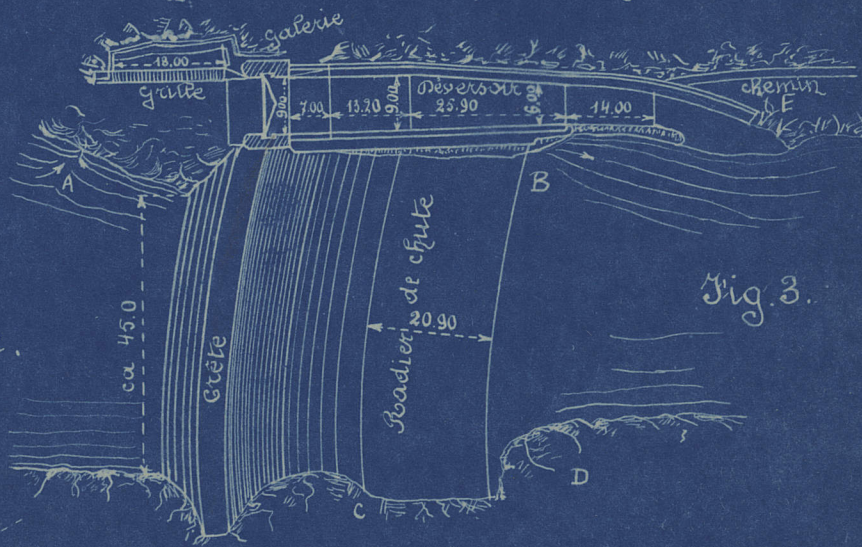
Fig 4

Barrage de l'usine Mac Galls - Ferry
sur la rivière Susquehanna
et ses coffrages métalliques

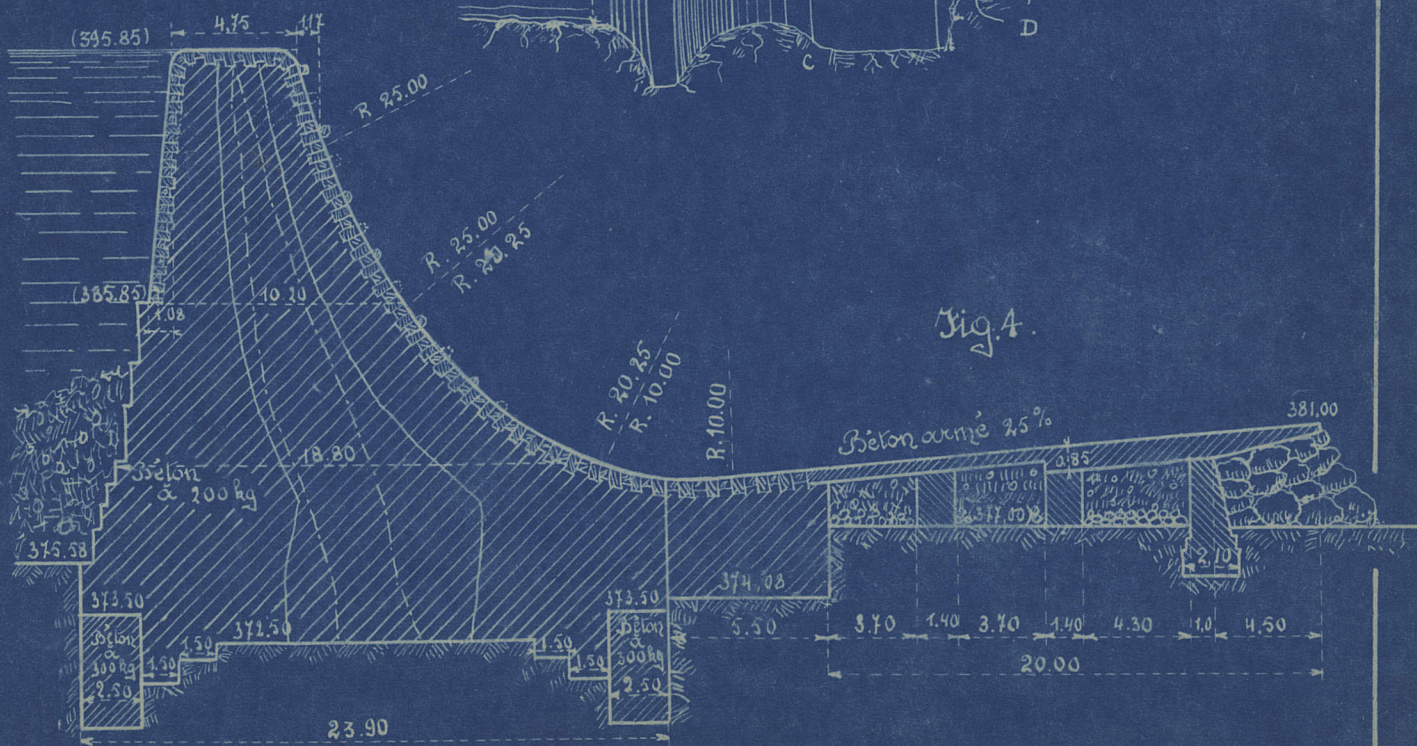
Déversoir de superficie
de la Meuse Belge



Barrage d'Arignonnet
sur le Drac
1) Plan



2) Coupe
transversale.



Coupe dans un barrage en palplanches (bois)

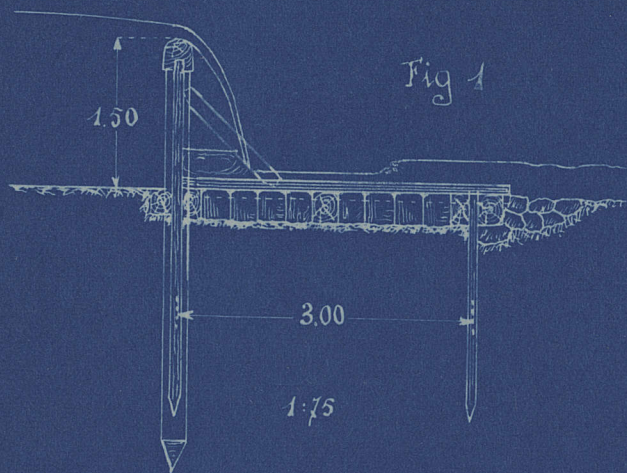


Fig 1

Coupe dans un barrage fixe en poutrelles (bois)

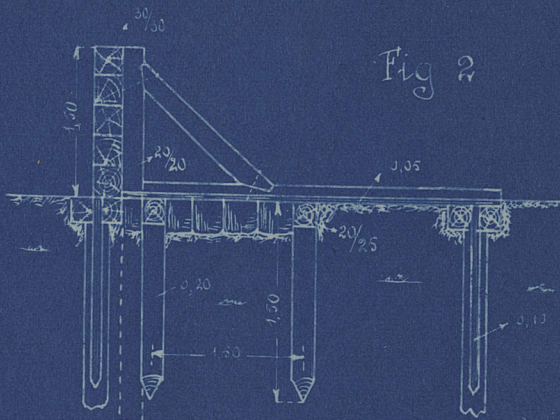


Fig 2

Ancien barrage de l'Oise.

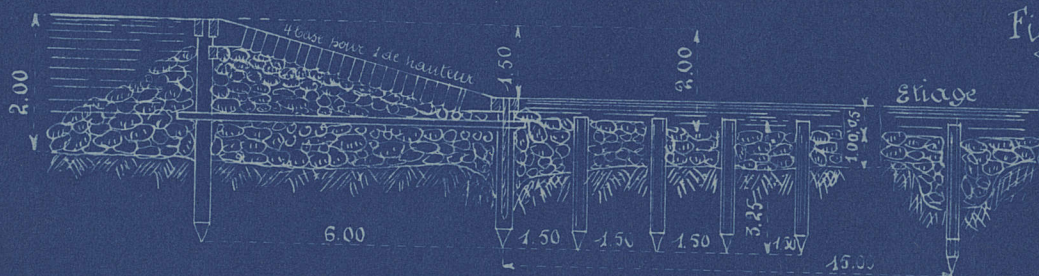


Fig 3

Barrage mixte en charpente et enrochements sur la rivière Merimac.

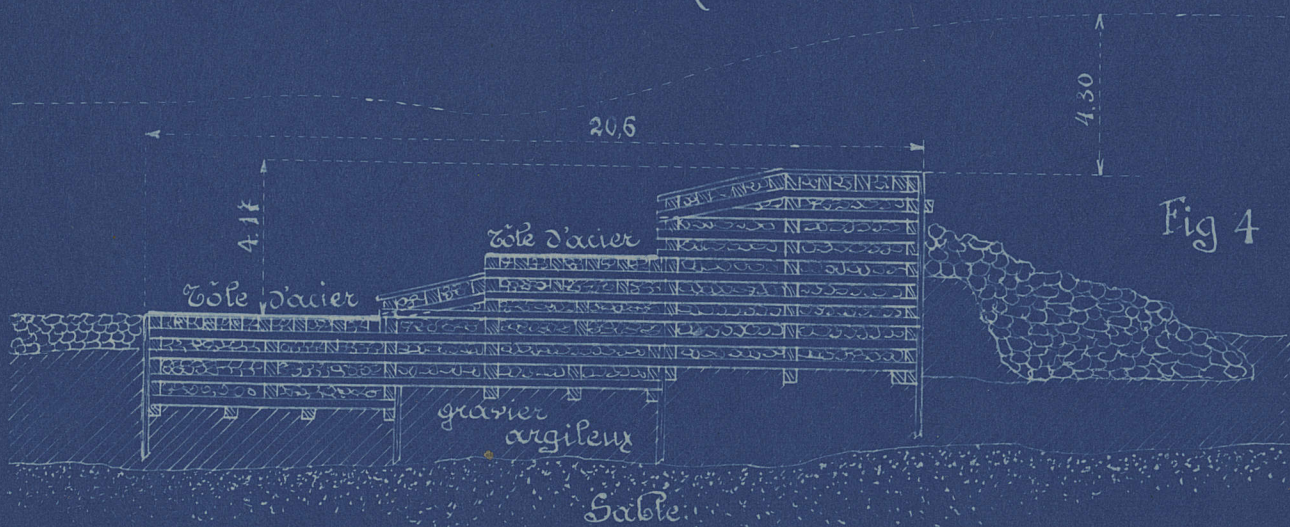


Fig 4

Barrage en charpente et argile.

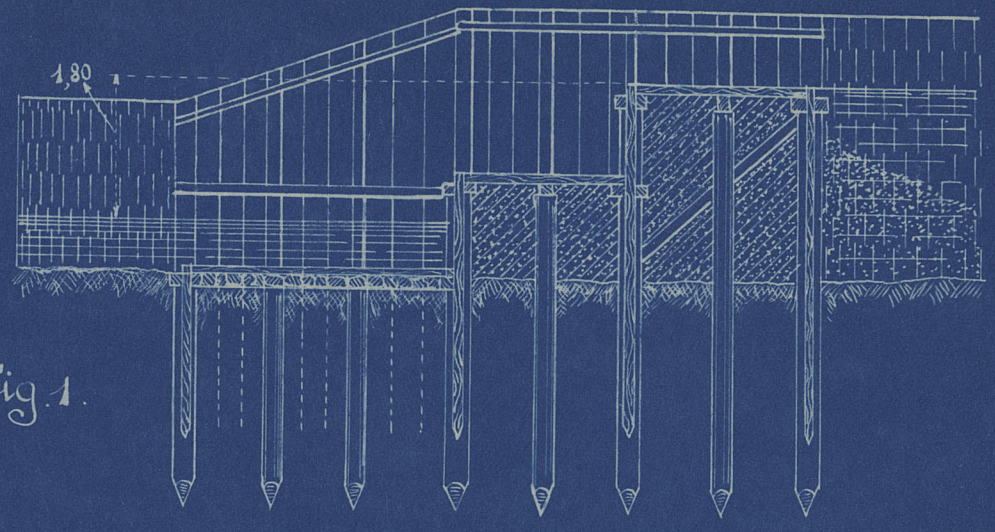


Fig. 1.

Barrage japonais en bambous.

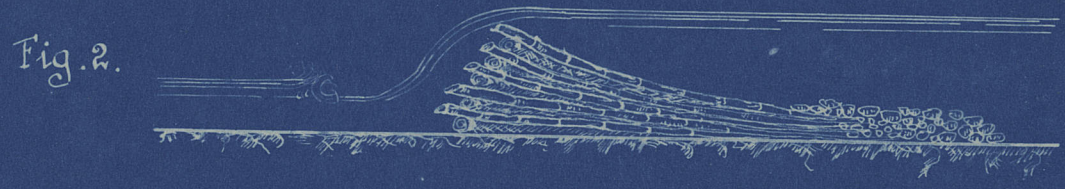


Fig. 2.

Barrage évide en béton armé à Scotland (Connecticut)

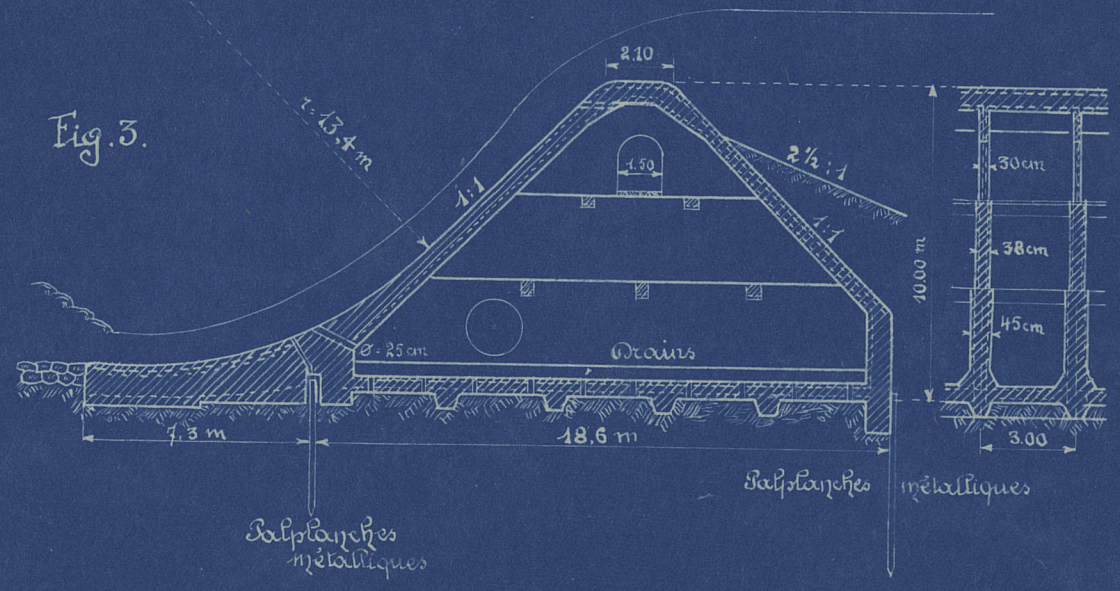


Fig. 3.

Affouillement sous le barrage de Pittsfield (Mass)

Fig. 1.

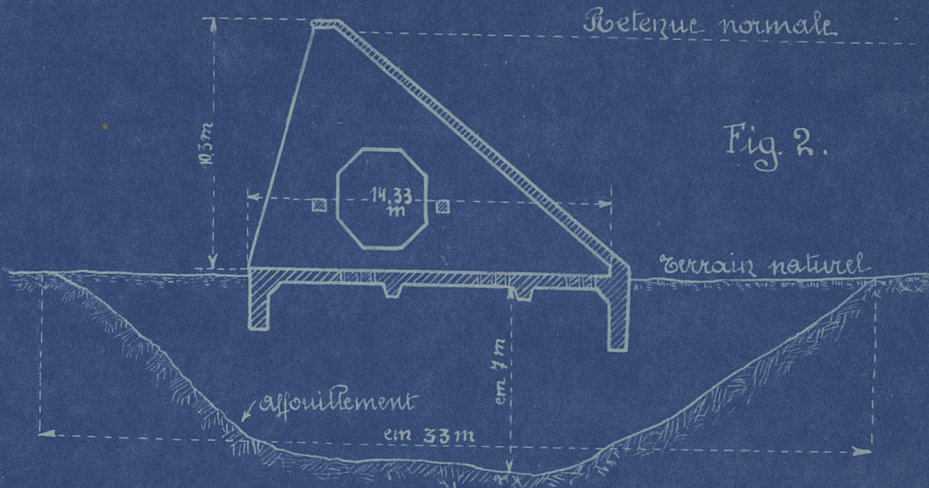
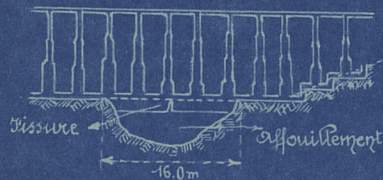
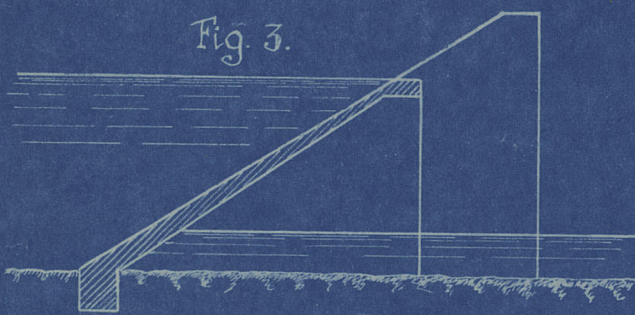


Fig. 2.

Types de barrages évidés en béton armé

Fig. 3.



système Bois Ambursen

Fig. 4.

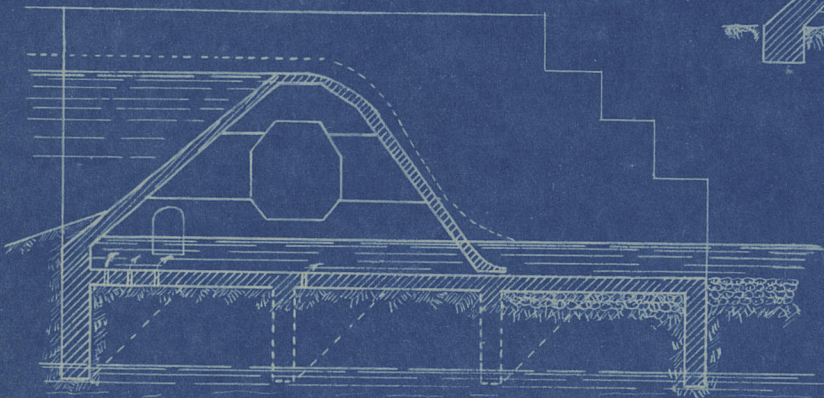
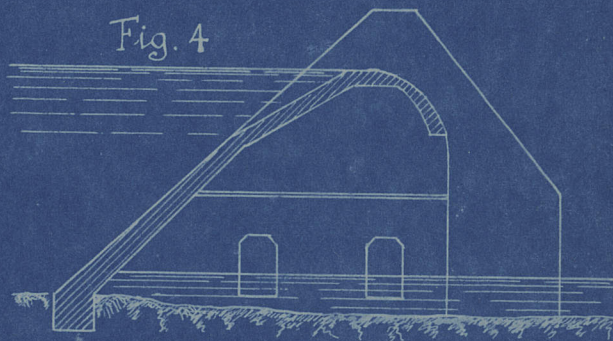


Fig. 5.

Barrage en béton armé dans la rivière Whitemater près de Richmond (U.S.A)

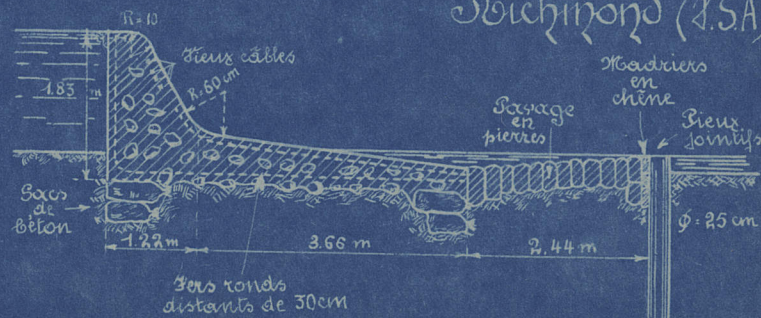


Fig. 6

Fig. 1. Travaux de recherche du profil en travers du lit rocheux du Bohone, à l'emplacement du barrage en projet de Genissiat.

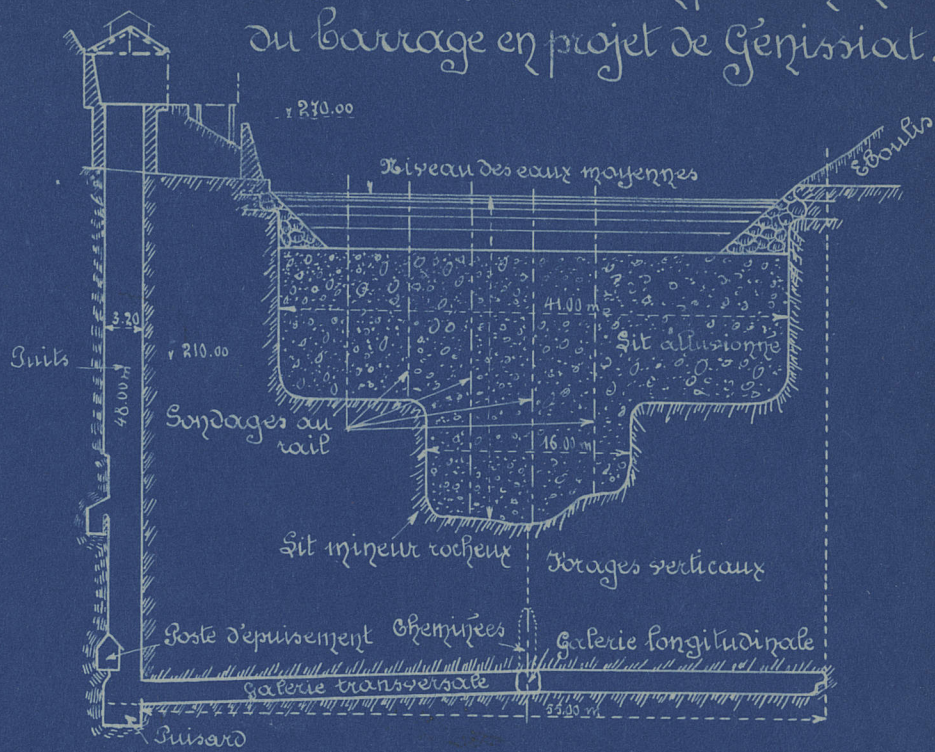
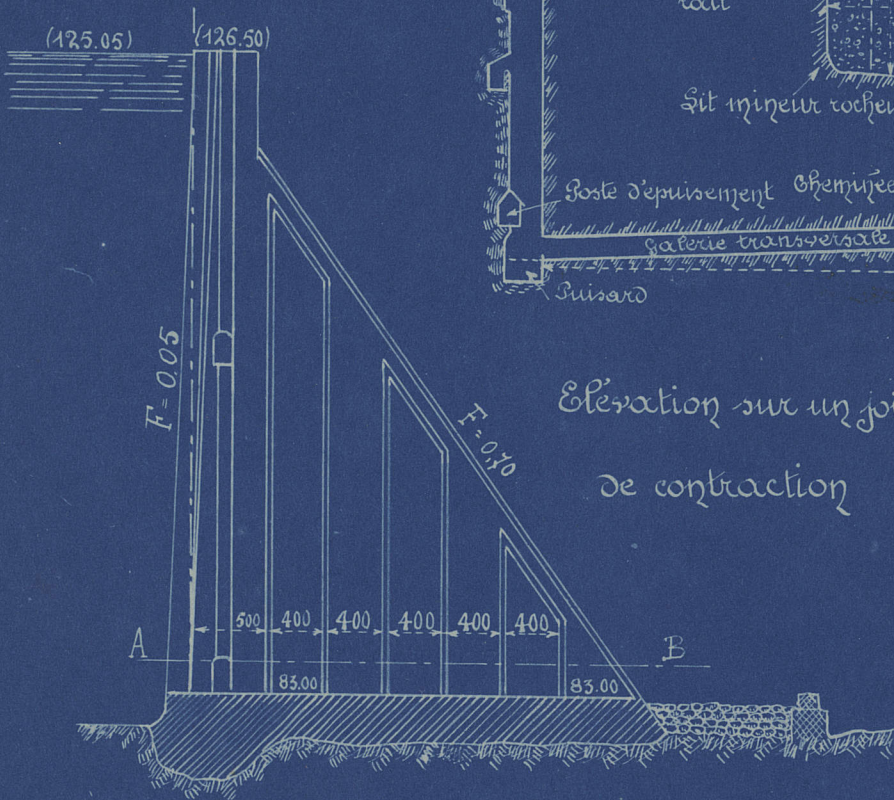


Fig. 2. Barrage de Guerledan sur le Blaret



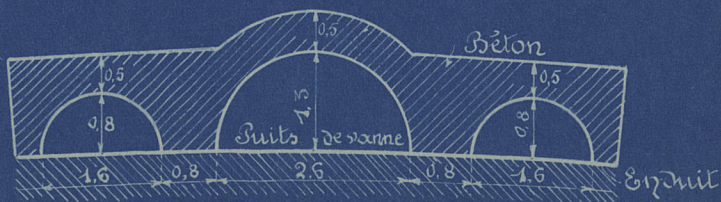
Coupe horizontale A-B



Fig. 3. Mur de garde en béton

du barrage de Markissa.

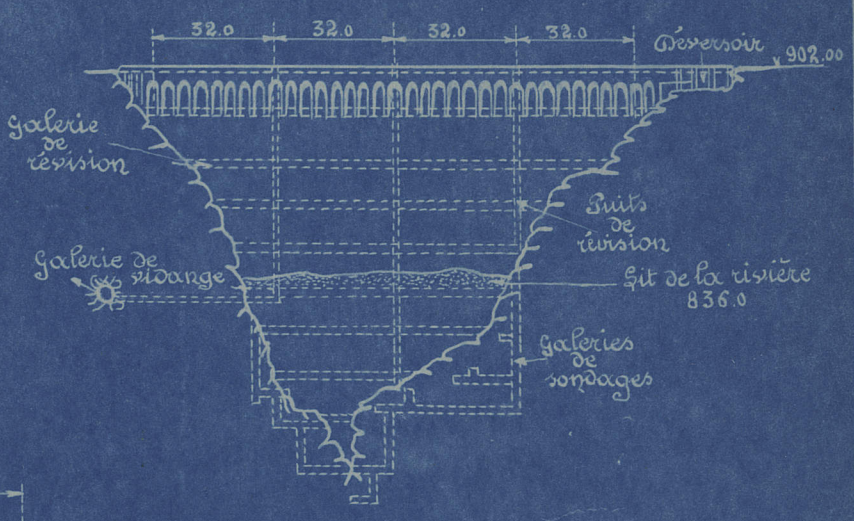
du barrage de Markissa.



Barrage du Jäggital

a) Coupe en travers

b) Vue vers l'aval



c) Joint de contraction

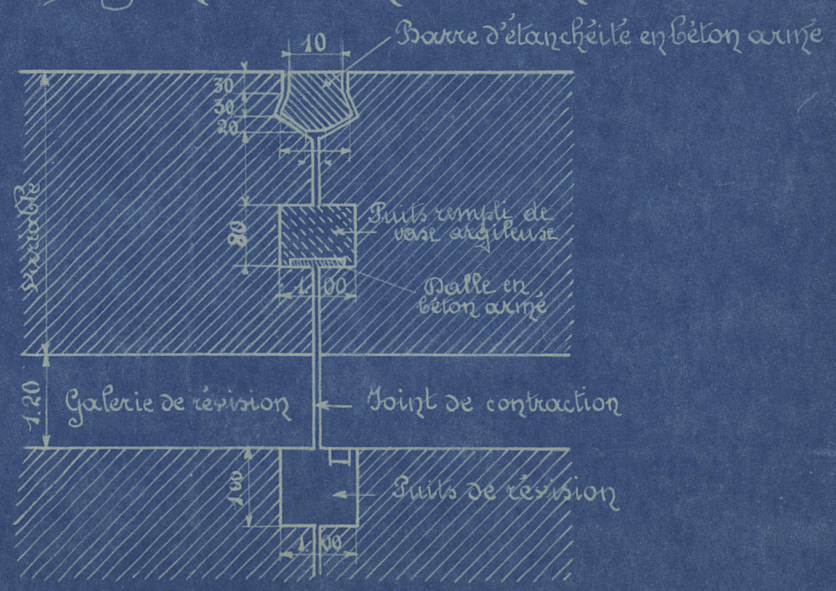


Fig. 1. Barrage du Brasimone (Boulogne)

Section Transversale.

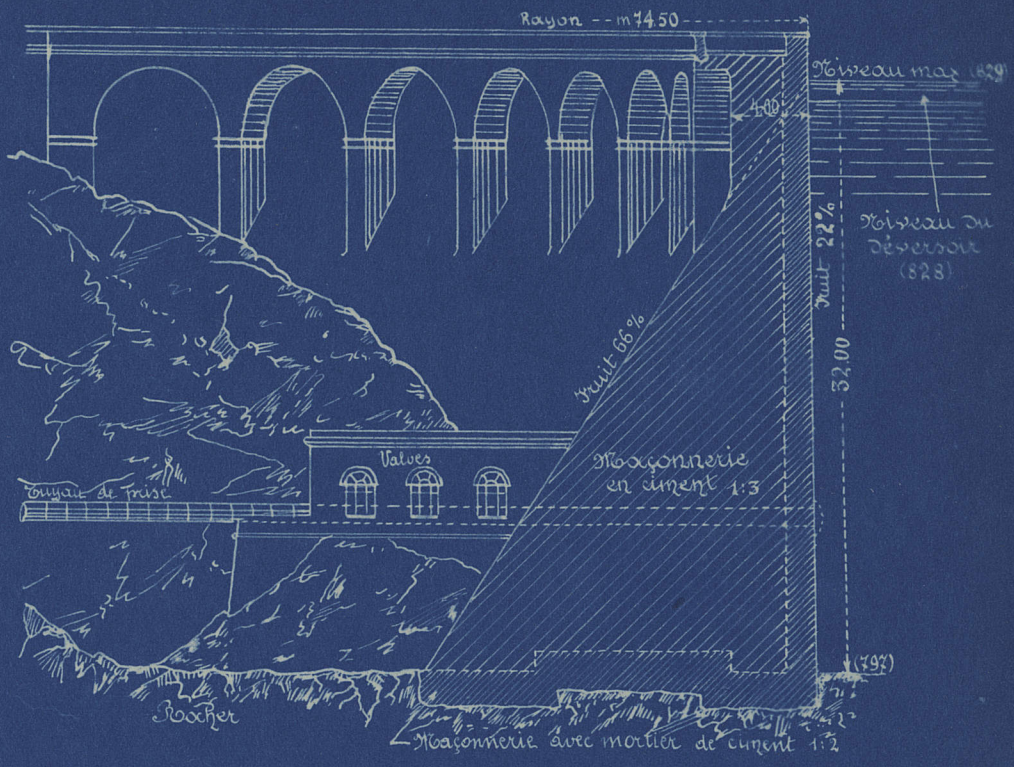
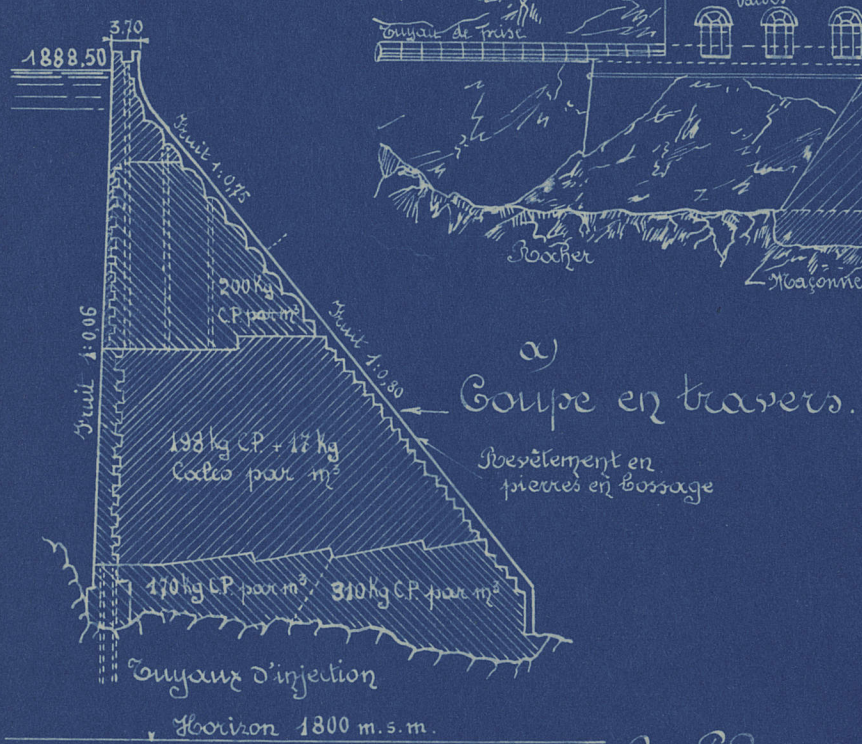


Fig. 2. Barrage de Barberine.



b) Plan de situation.

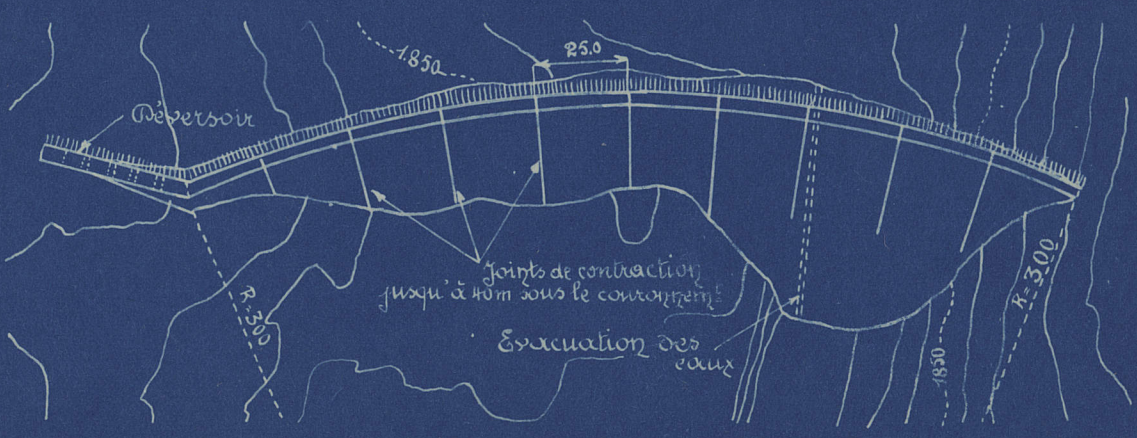
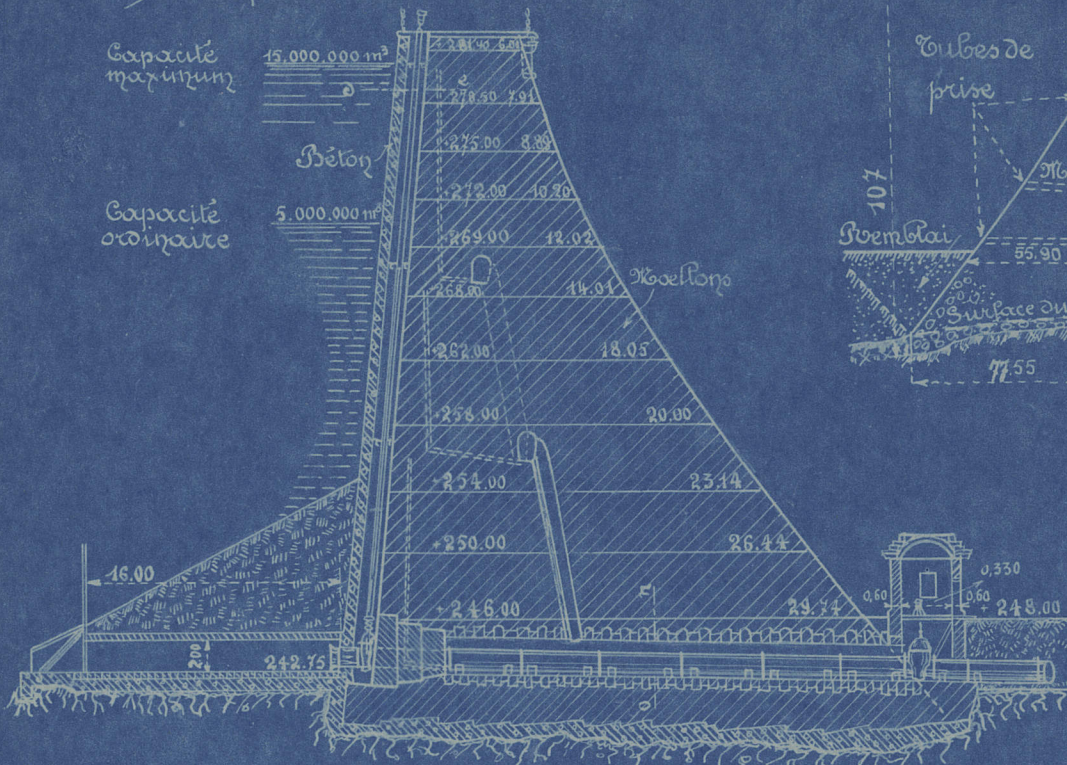


Fig. 1. Barrage de Marklissa sur la Queis (Silésie)

a) Coupe transversale



b) Coupe horizontale (fragment)

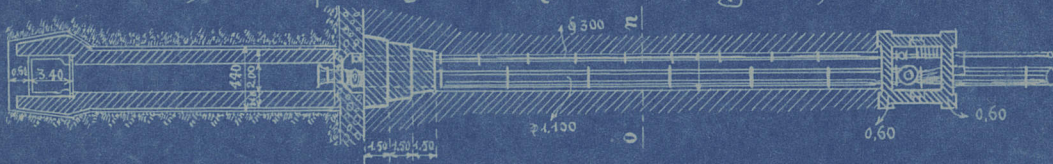


Fig. 2. Coupe du barrage d'Arrow-Boock (Idaho E.U.)

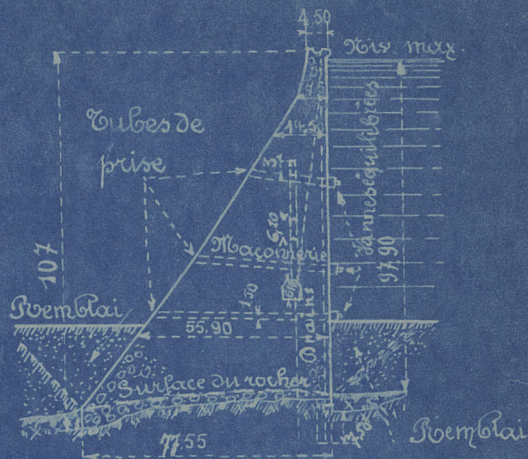


Fig. 3. Ecran en béton armé du barrage de la Mouche, près de Langres (France)

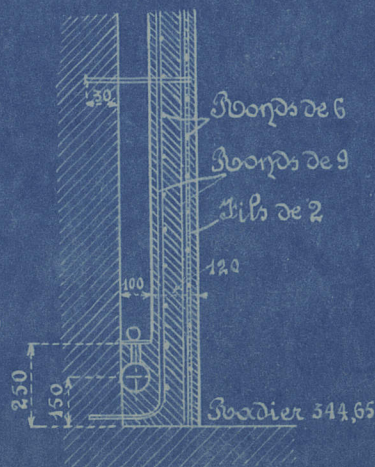
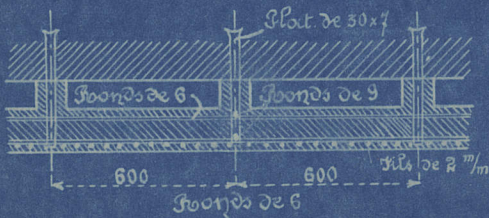


Fig. 4. Mur de Cholonet

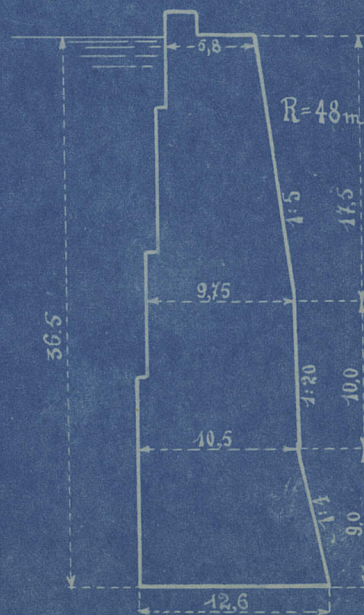


Fig. 1. Barrage du Boite au Ponte Porroce

a) Vue d'aval b) Coupe transversale

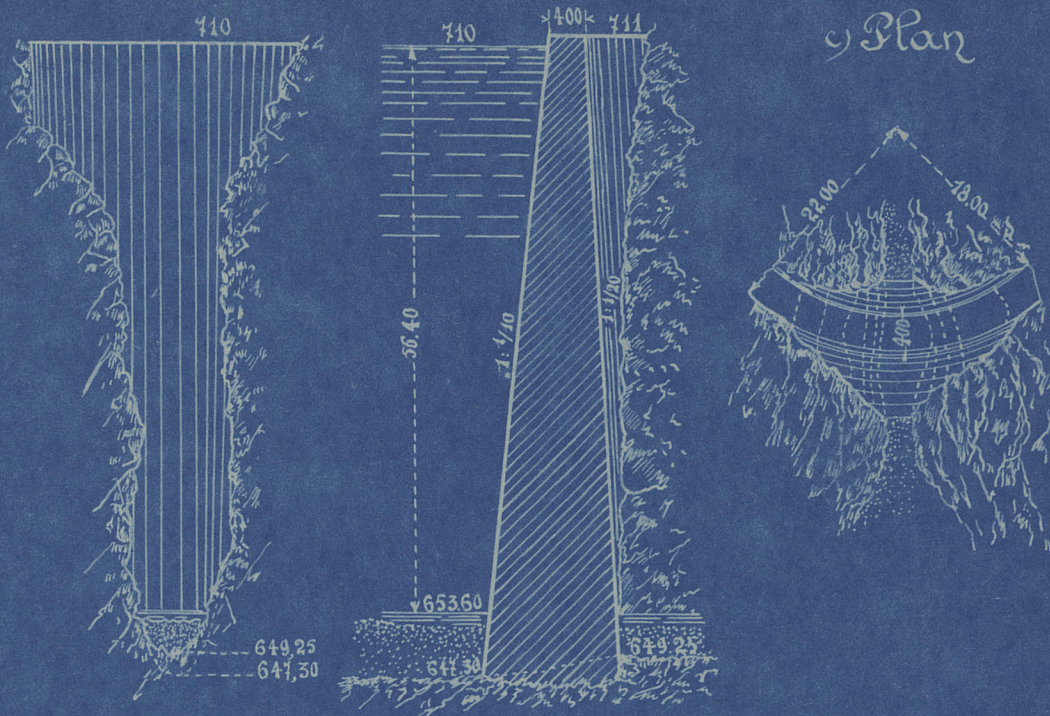


Fig. 2. Barrage du Lunjei à la Măina

a) Vue d'aval b) Coupe transversale c) Plan

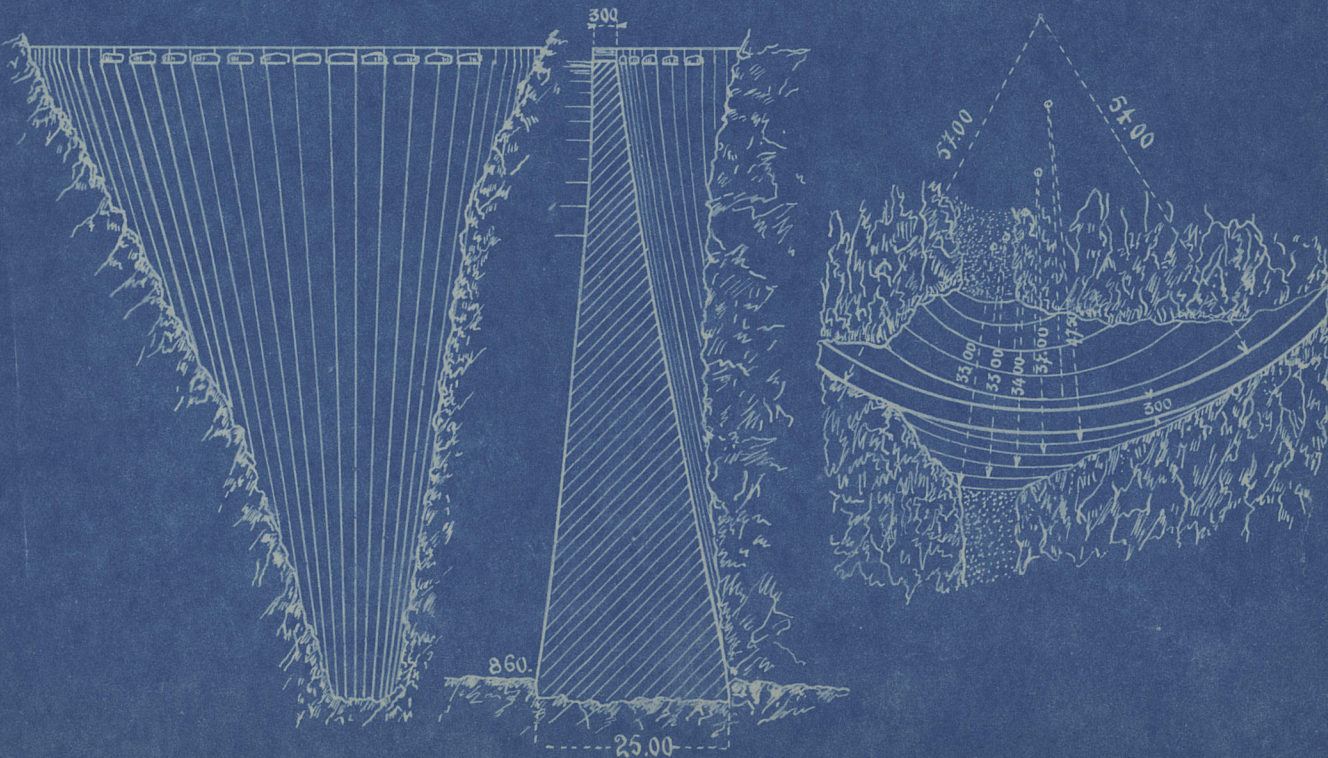


Fig. 1. Plan de situation du barrage de la Shoshone et de ses abords.

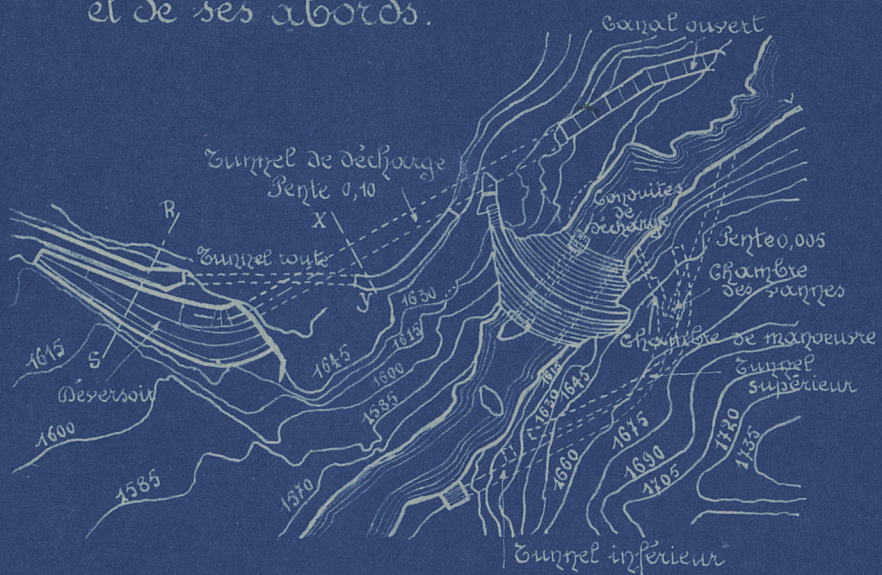


Fig. 2. Barrage de Bear - Valley (E.U.)

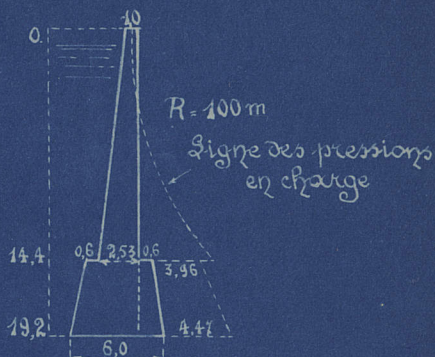


Fig. 3. Elevation et coupe transversale du barrage de la Shoshone

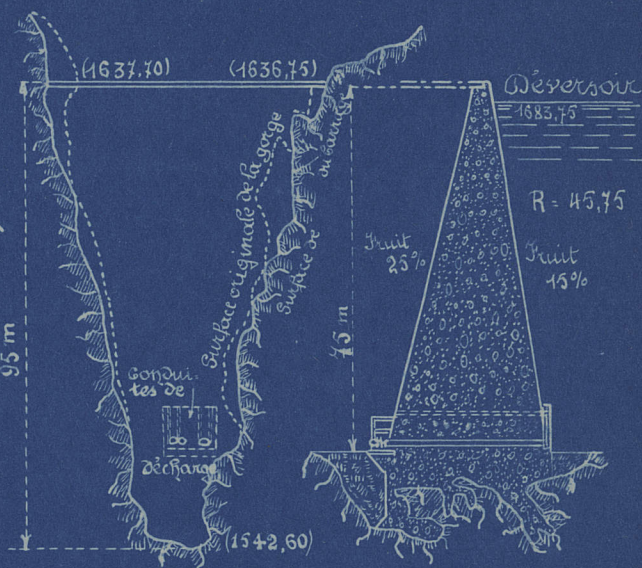


Fig. 4. Barrage de la Brèle (Etats-Unis)

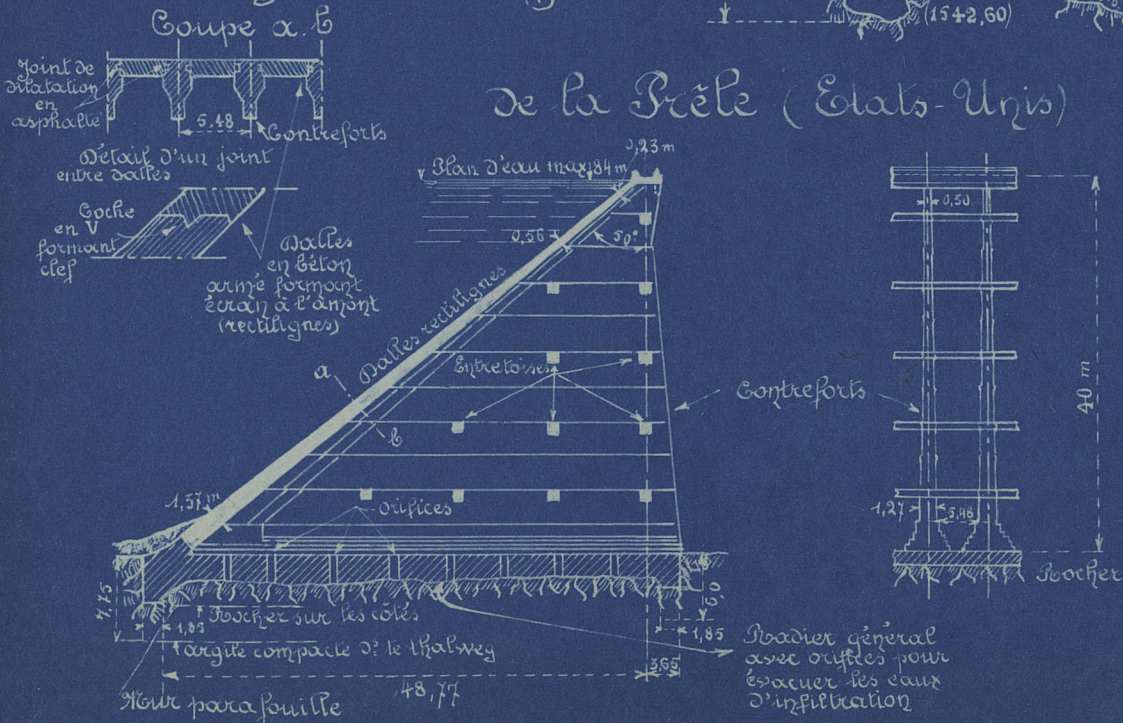
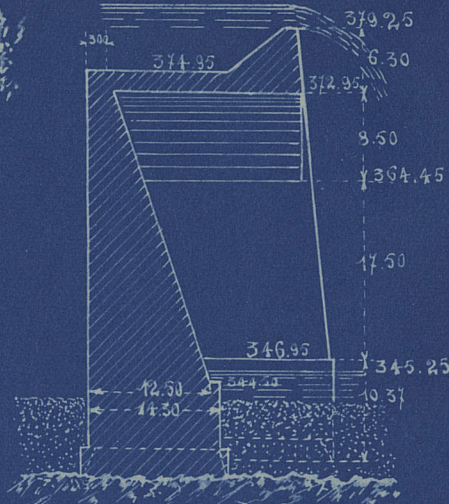
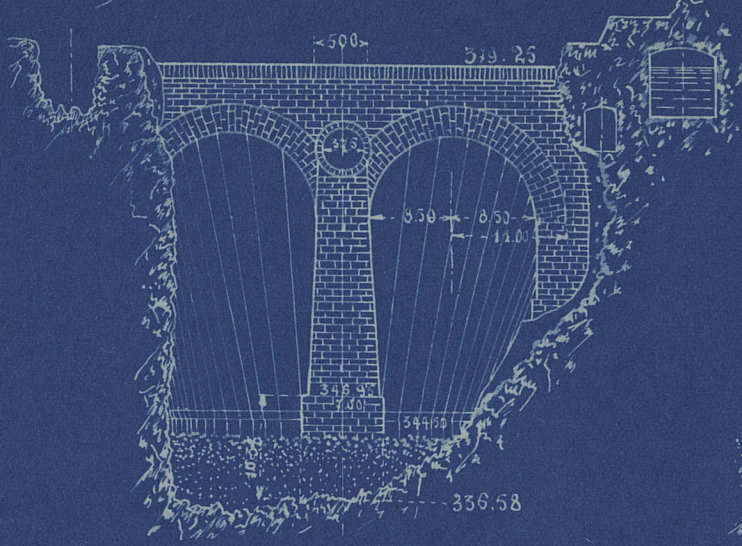


Fig. 1. Barrage du Gisson à Ponte Serra.

a) Vue d'aval AB

b) Coupe transversale



c) Plan



Fig. 2. Barrage évidé à voûtes multiples (Cervo, Sardaigne).

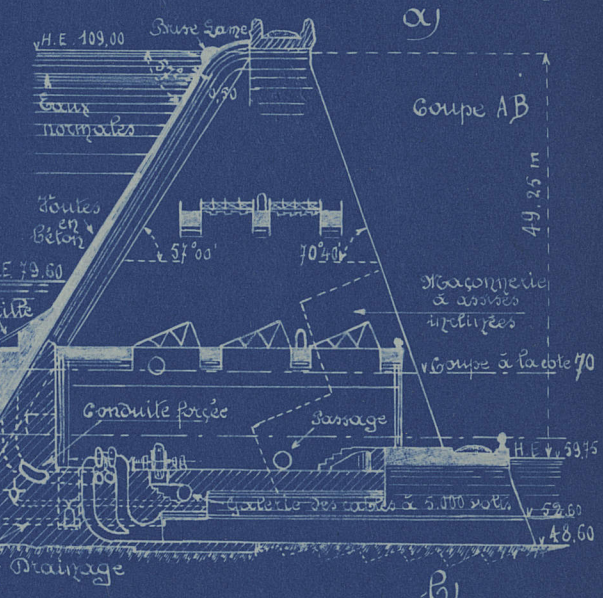
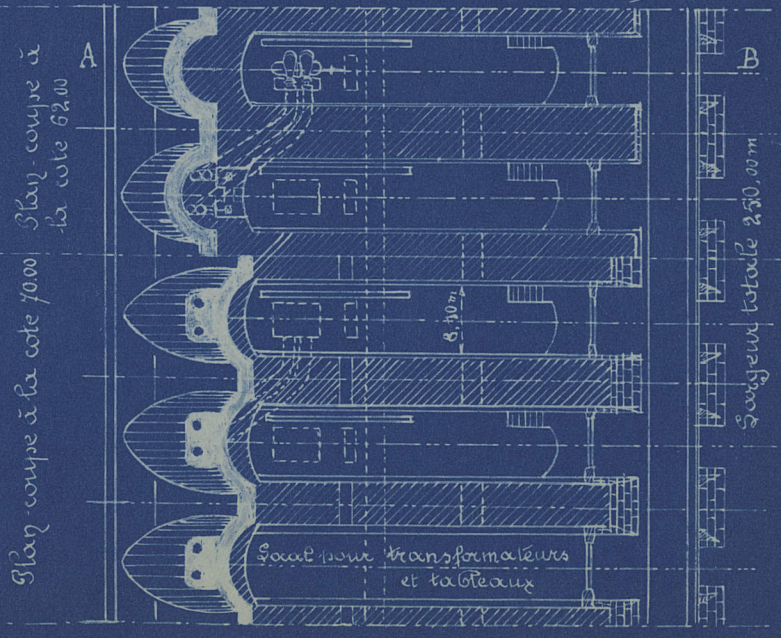
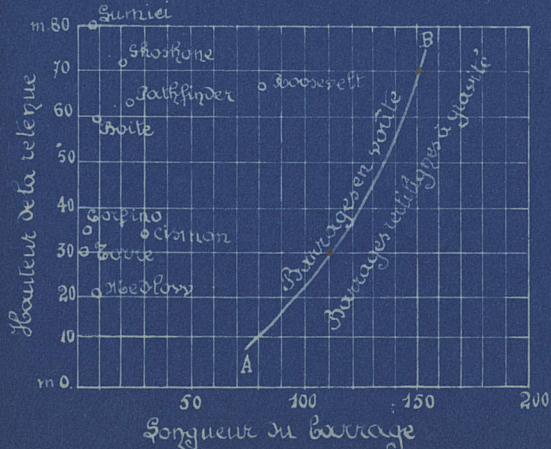


Fig. 3. Diagramme donnant la limite économique entre les barrages en voûte et les barrages à gravité. (d'après A. Jorli)



a) Plan - coupe à la cote 70.00

b)

Longueur totale 250,00 m

Sout pour transformateurs et tableaux

Fig. 1. Digue de Charmes.

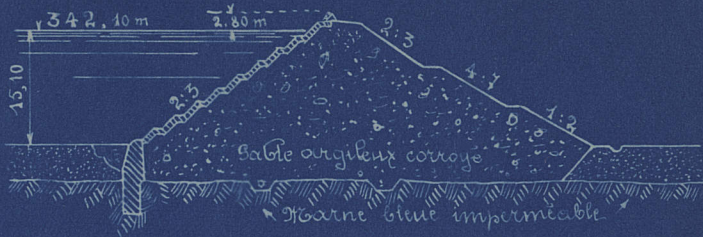


Fig. 2. Digue de Bourdon.

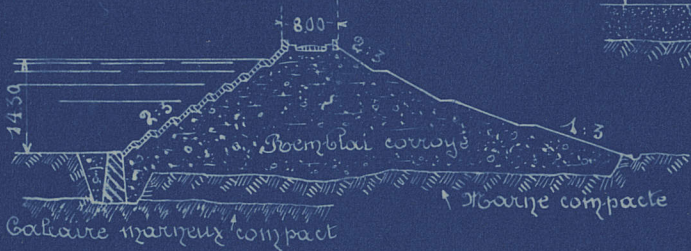


Fig. 3. Digue de Grosbois.

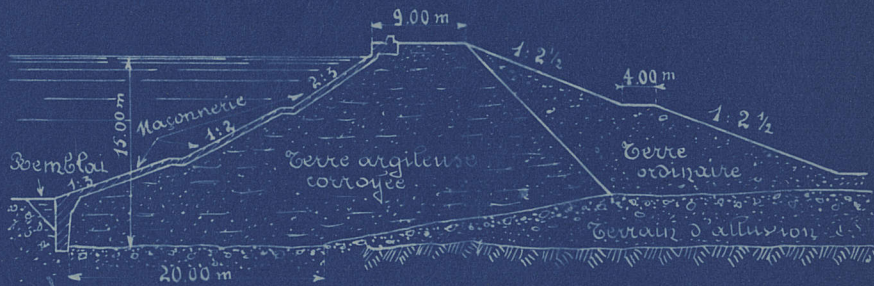


Fig. 4. Digue de Cold Springs (États-Unis).

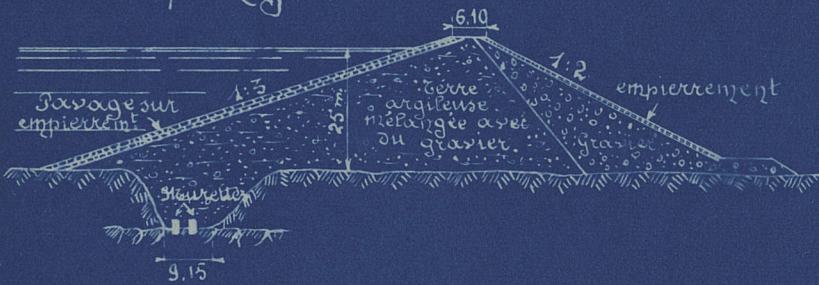


Fig. 5. Digue de Trempe.

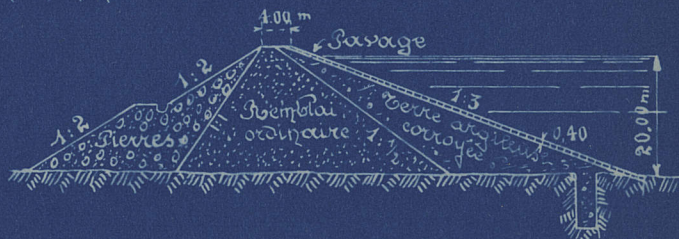


Fig. 6. Digue de Ibexa (Mexique).



Fig. 7. Digue de Schaffhouse.

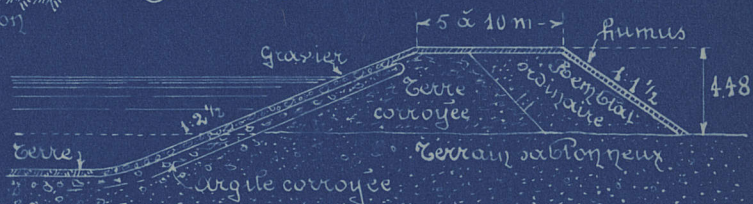


Fig. 8. Digue du Lac Sungo (Province de Cuneo, Italie).

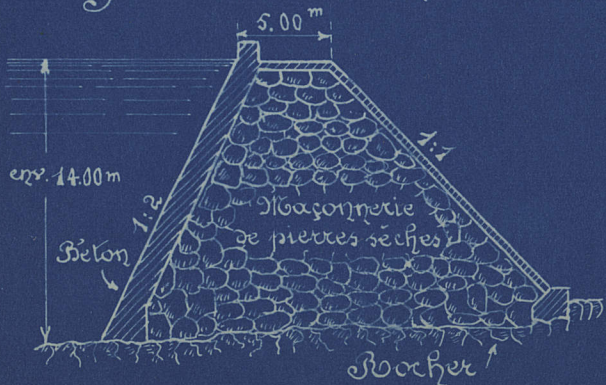


Fig. 9. Digue de Bio Grande.



Fig. 1. Digue de la Söntsch.

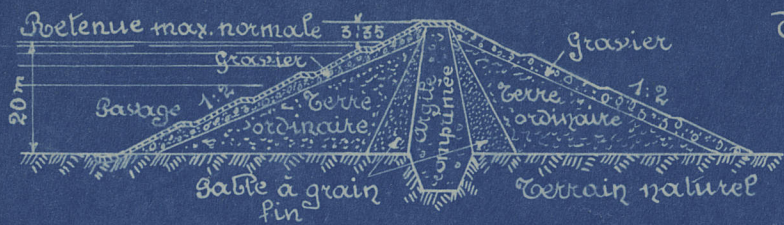
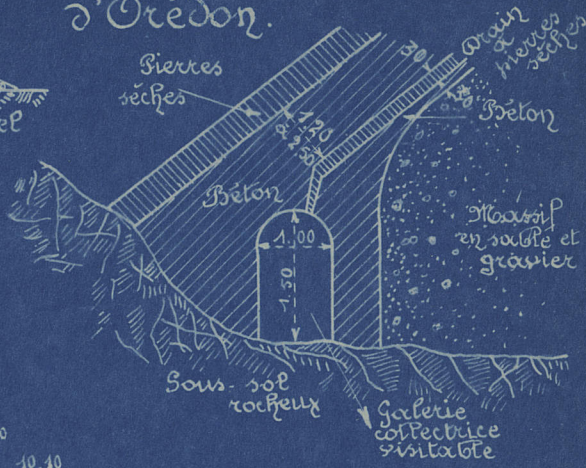


Fig. 2.

a) Coupe du masque d'étanchéité du barrage d'Orédon.



b) Coupe transversale du barrage d'Orédon

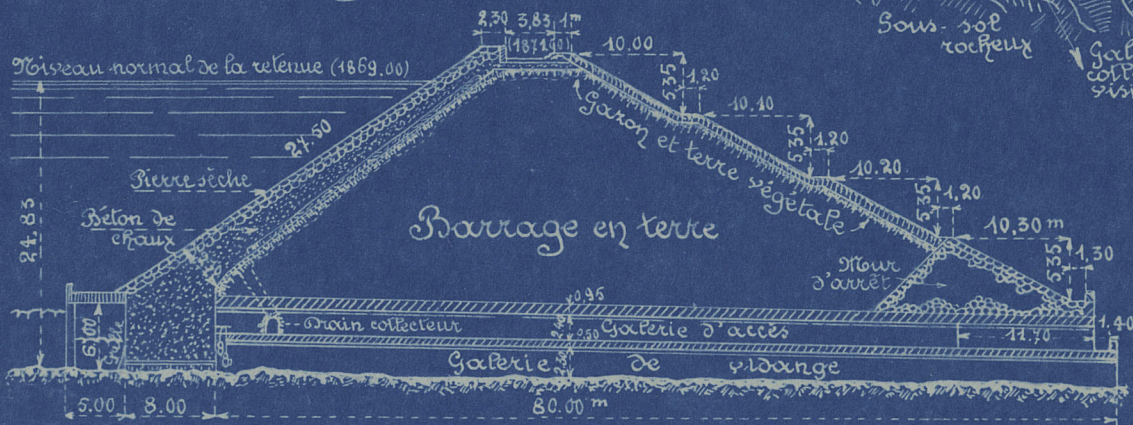


Fig. 3. Coupe du barrage d'Ashtokan.

(Etats-Unis)

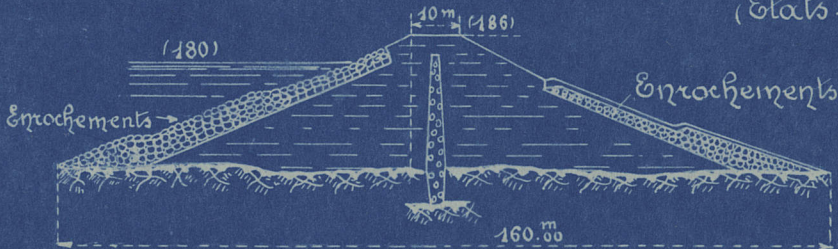


Fig. 4. Coupe type d'un barrage en terre graveleuse projeté pour une hauteur de 33 m. de retenue (d'après M^r Eydoux)

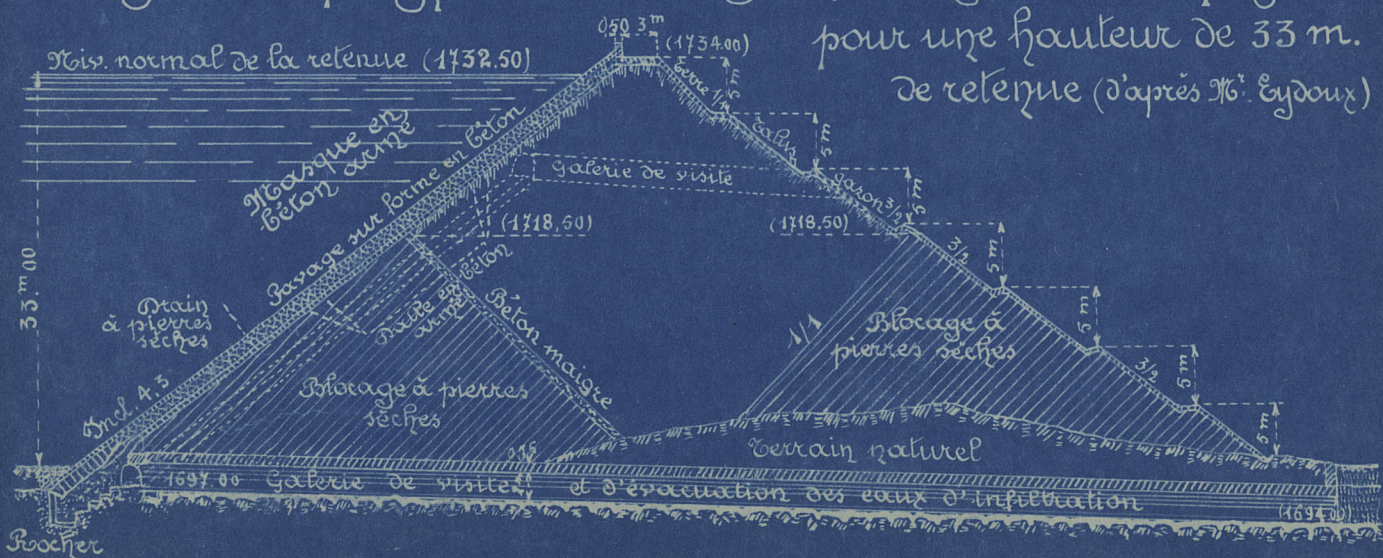


Fig. 1. Batterie de 6 syphons auto-régulateurs Gregotti de 90 m^3 par l' du Barrage de la Badana (Genes)

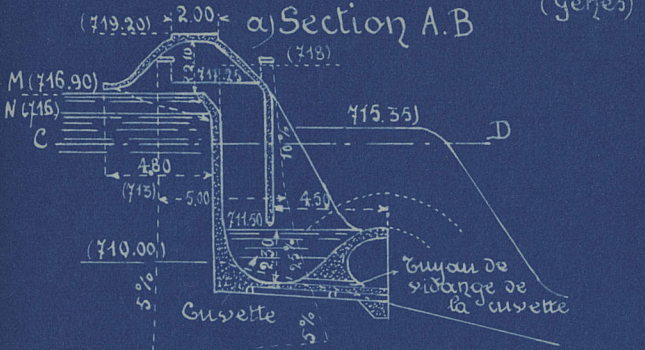


Fig. 2. Section transversale du Barrage de la Biaschina (Vessin)

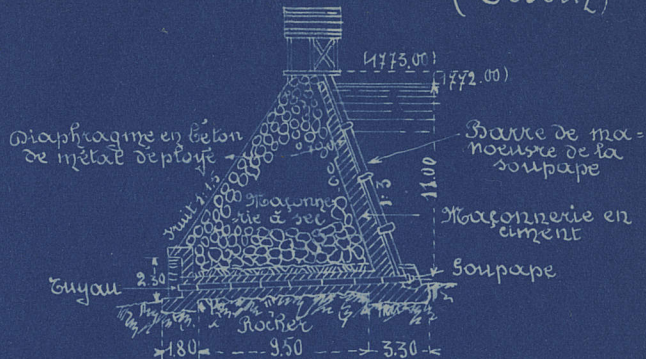
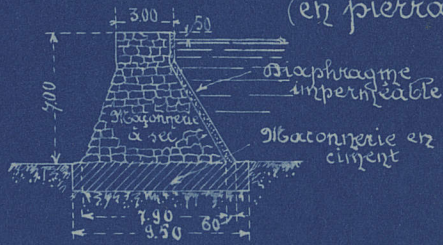


Fig. 3. Barrage du Lac Alpone (en pierrailles) (en pierrailles)



Barrage sur le Desero (Domodossola)

Fig. 4. Section normale

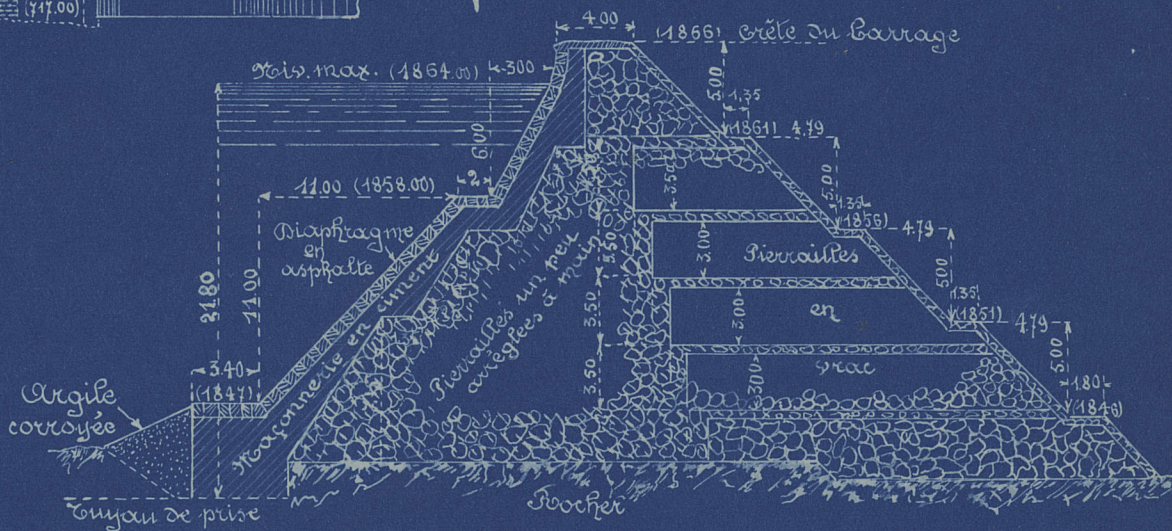
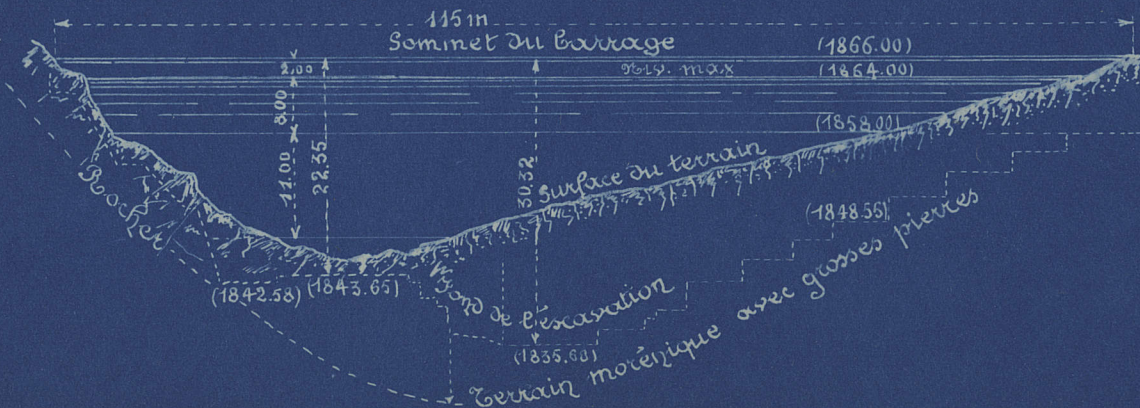


Fig 4 bis Vue en amont.



Boéservoir de la Tingeanne à Villegusien (Fig. 1234)

Fig. 2. Mur de garde.

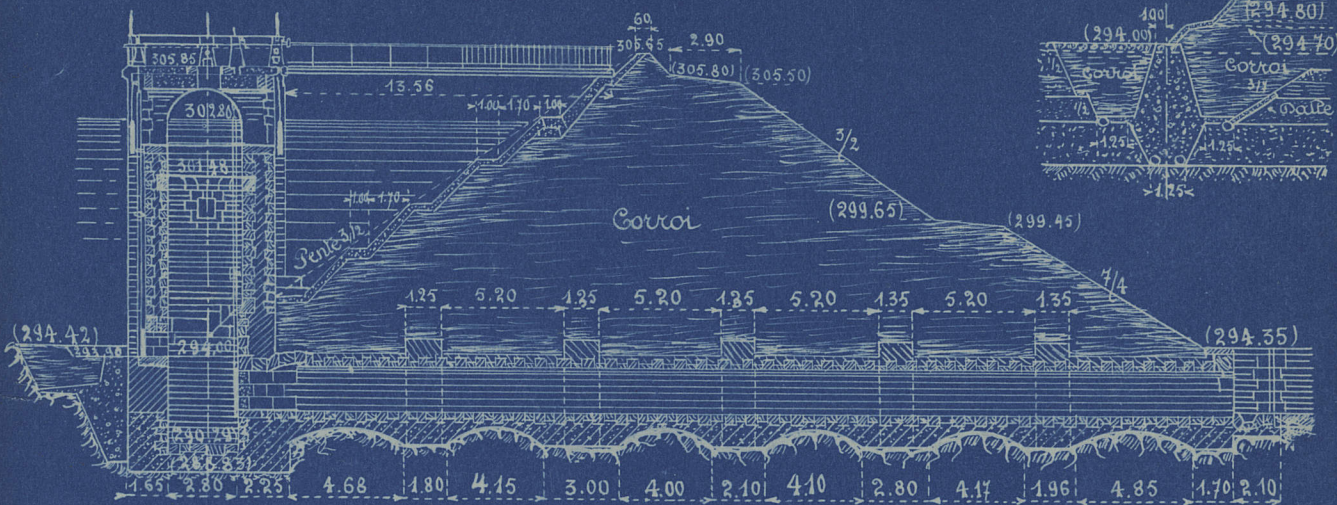


Fig. 1. - Coupe de la digue sur l'axe d'une tour de prise d'eau.

Fig. 4. Joint entre deux dalles

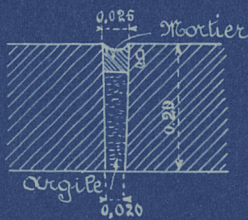


Fig. 3. Revêtement en mortier comprimé

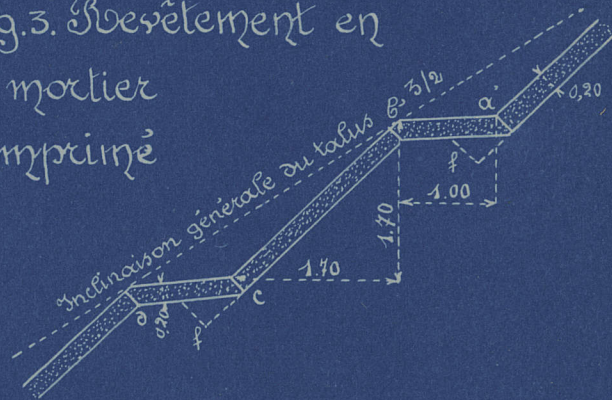


Fig. 5. Digue de Corcy-Neuf. (canal du centre)

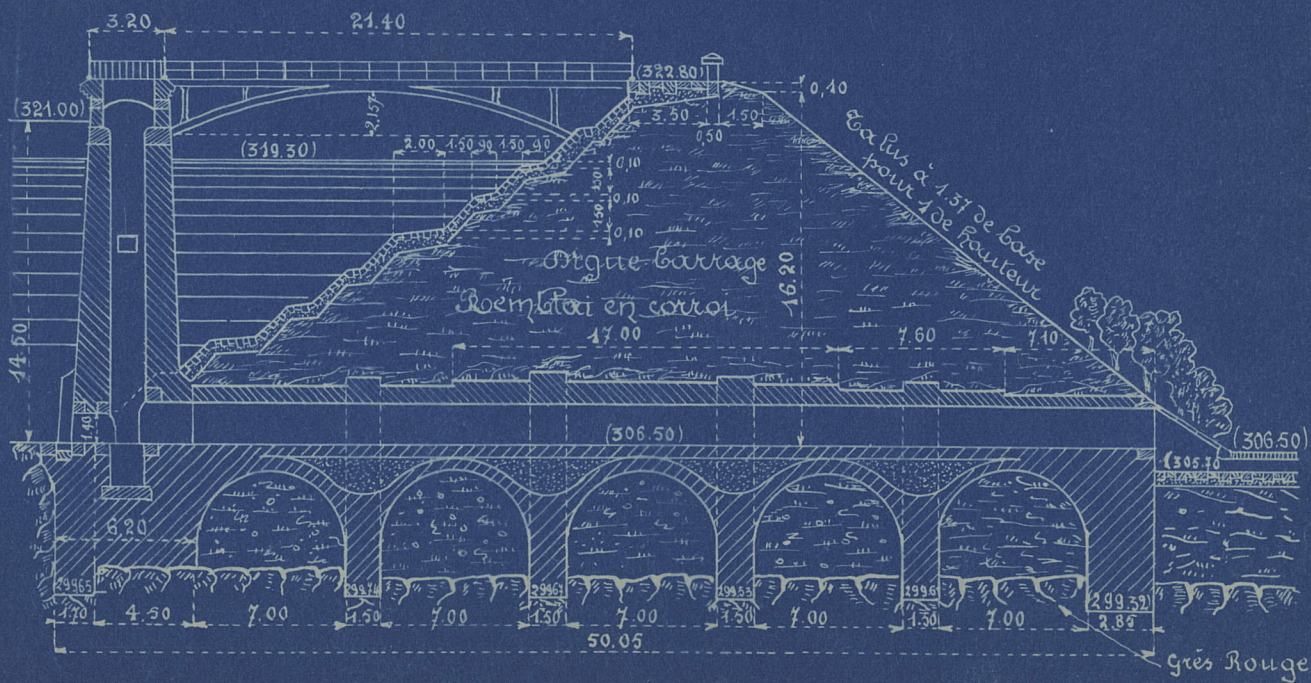


Fig. 1. Coupe de la vallée montrant les ancrages à l'emplacement de la digue de Charmes.

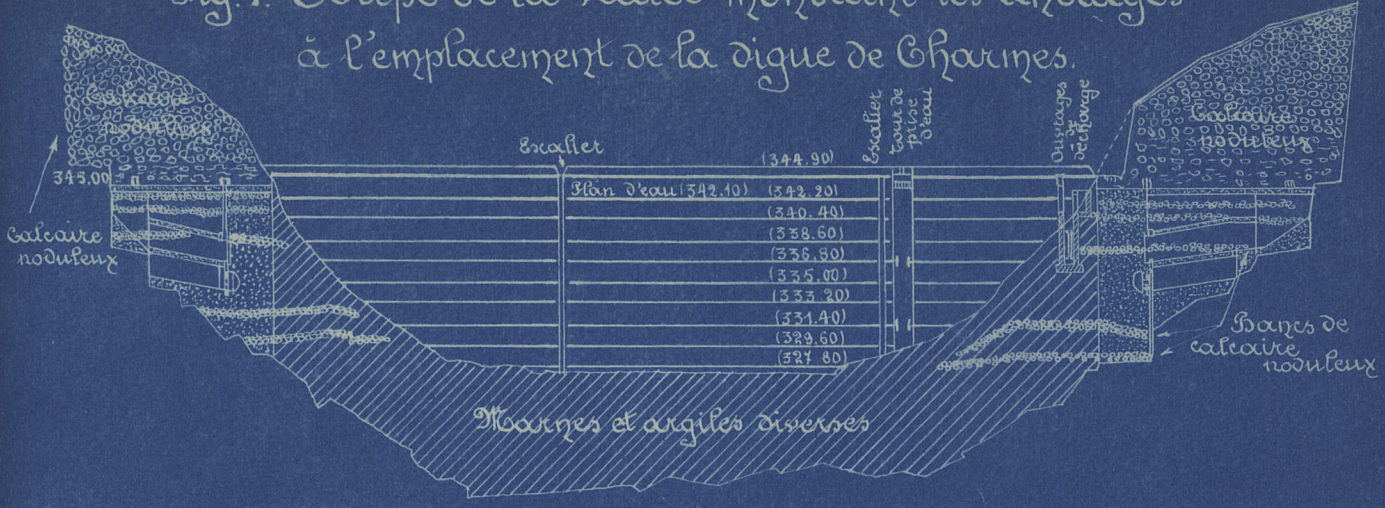


Fig. 2. Tunnels d'assainissement des ancrages de Charmes (plan)

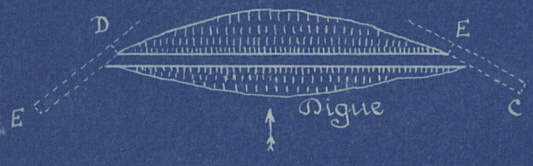


Fig. 4. Digue d'Aubert a) Coupe du couronnement.

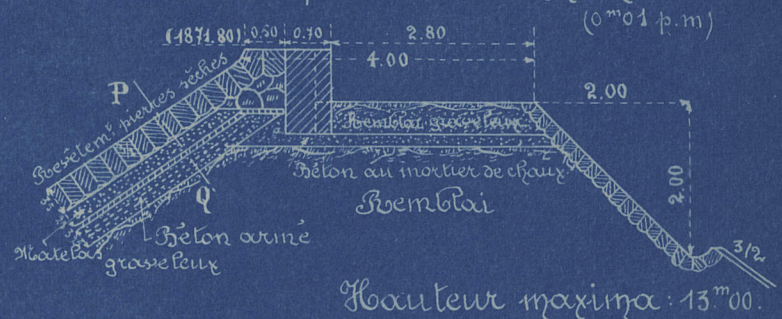
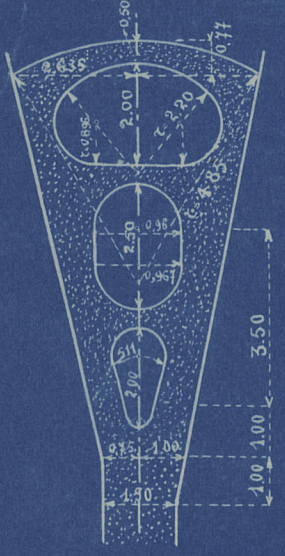
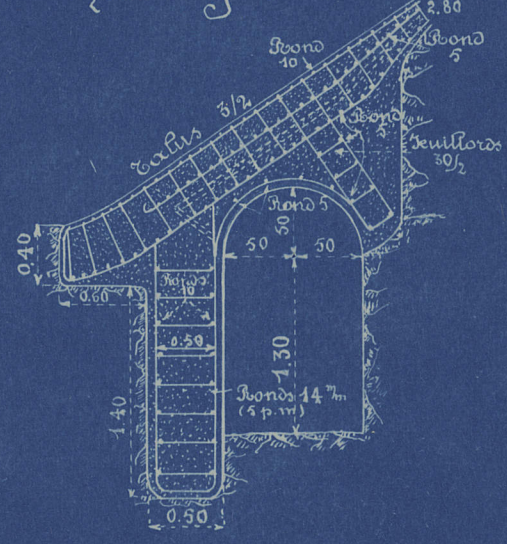


Fig. 3 Profil en travers des ancrages de Charmes.



b) Pied du revêtement et du mur de garde. (0.002 p.m)



c) Profil du revêtement.

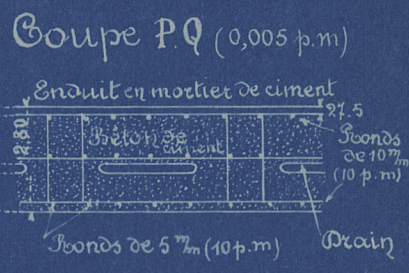


Fig. 5. Coupe schématique du barrage de Gatun montrant son mode d'exécution.

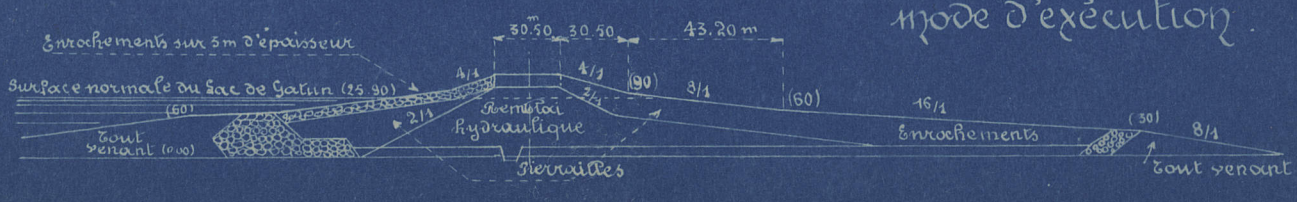


Fig. 1. Barrage en terre à double diaphragme en béton armé, système Ambursen.

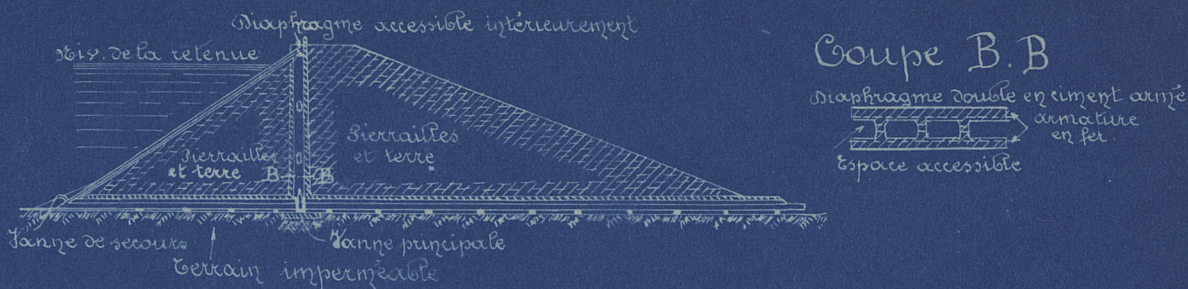


Fig. 2. Déversoir à vanne baissante, à vein hydraulique du système Ambursen.

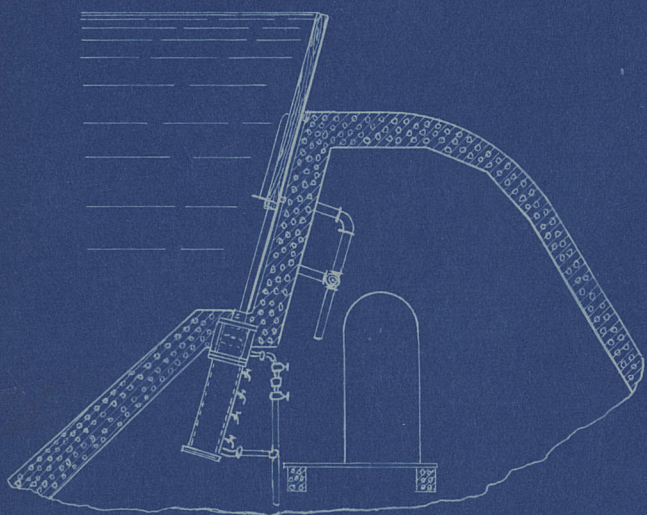


Fig. 3. Coupe transversale et coupe horizontale partielle (par C.D) du barrage de la Sélune.

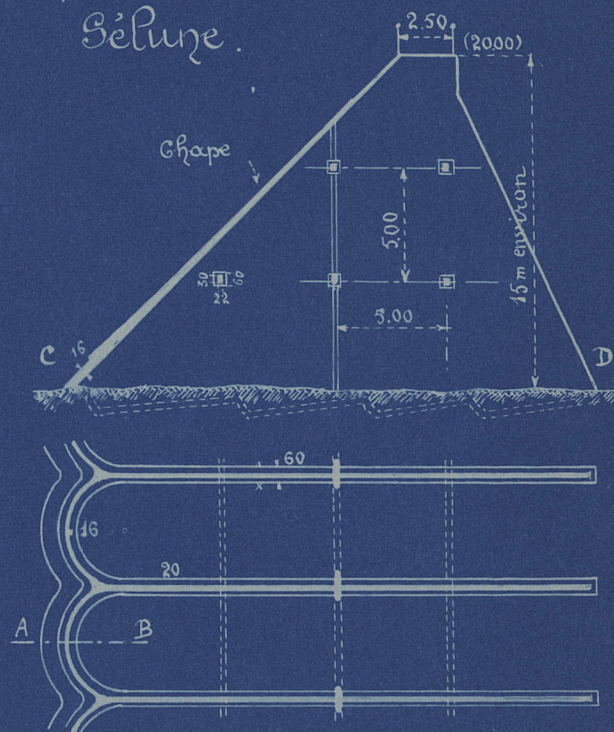


Fig. 4. Elevation du barrage de la Sélune.

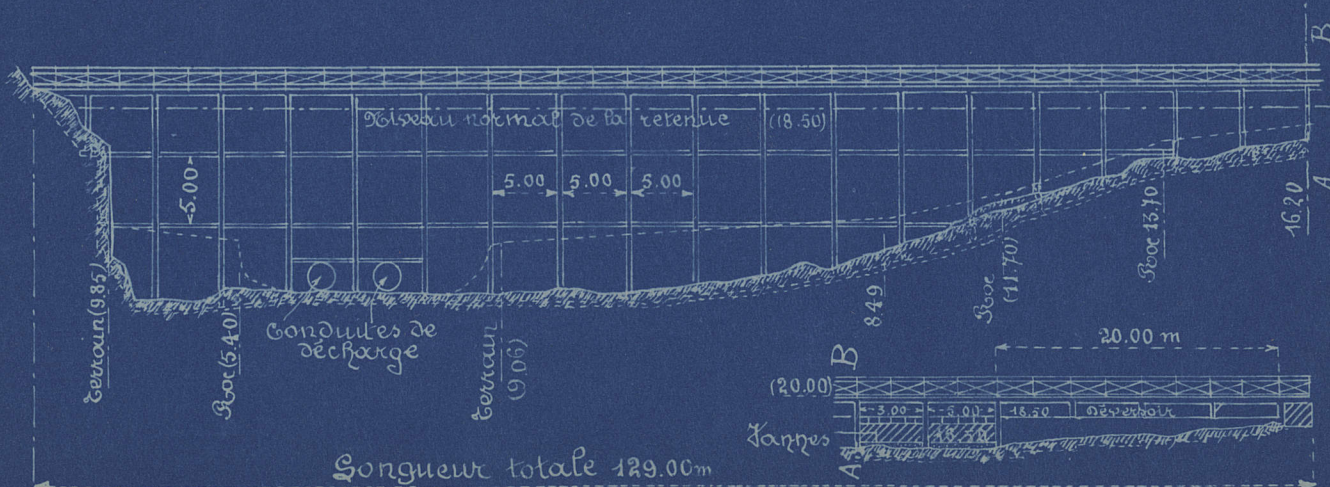


Fig. 1. Barrage de Straschin - Brangschin sur la
 Boadaune. (Terr. de Danzig)

Plan général

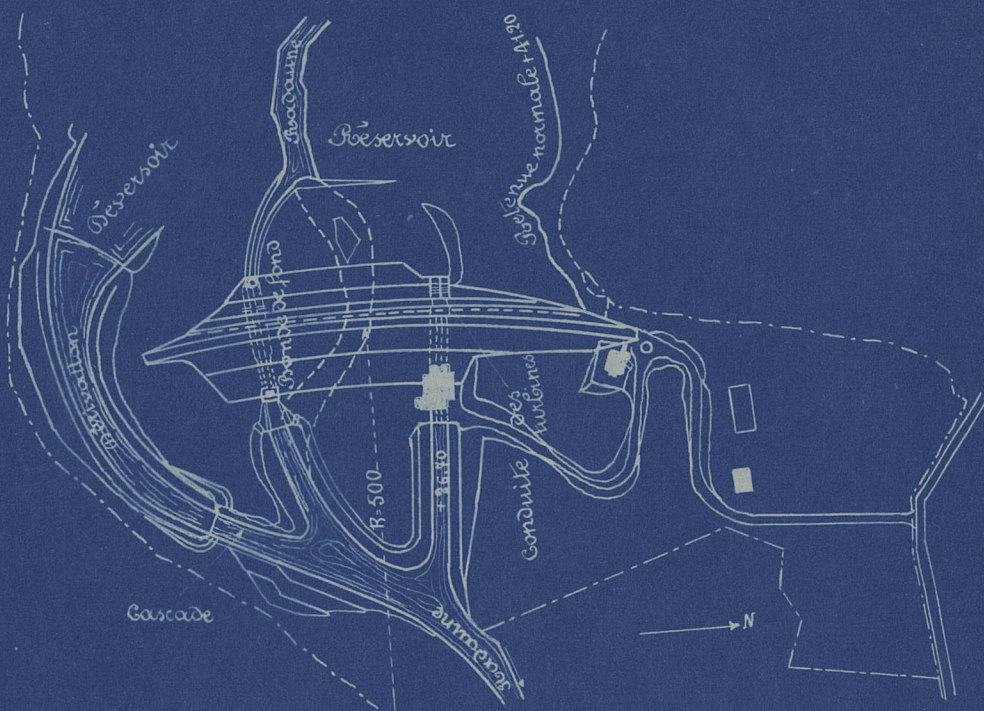


Fig. 2. Barrage de la Gileppe.

a) Plan d'ensemble

b) Coupe transversale M-N

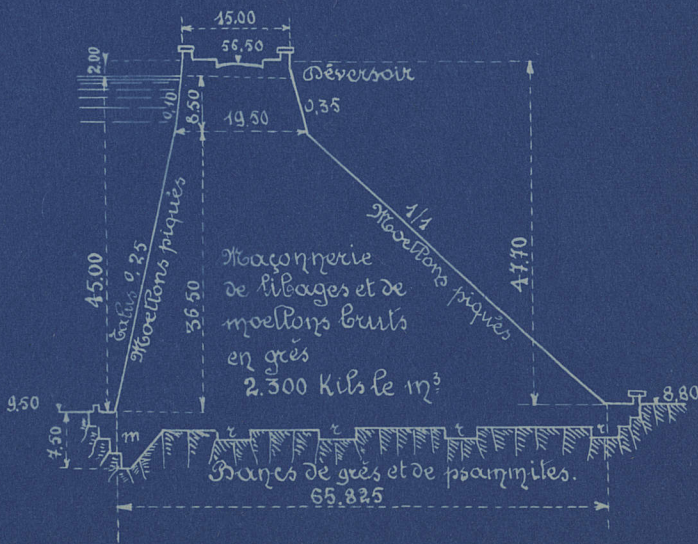
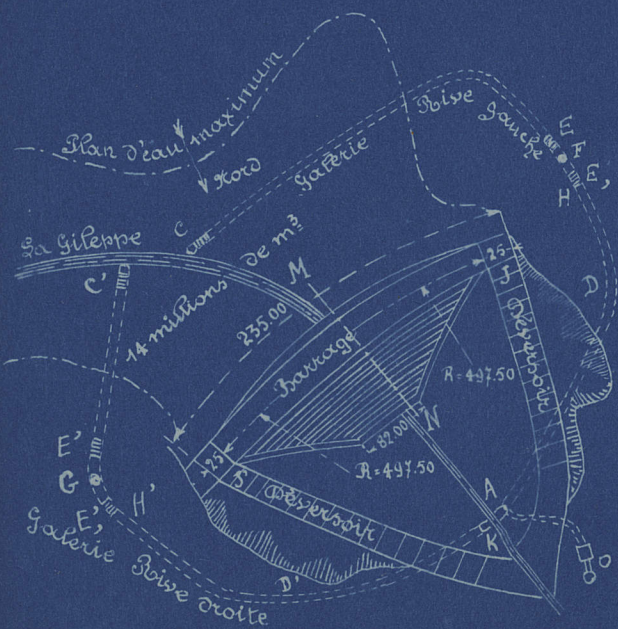


Fig. 1. Barrage de Bouthken sur la
Roadaune. (Terr. de Danzig) -
Coupe transversale montrant l'équilibre
d'une source

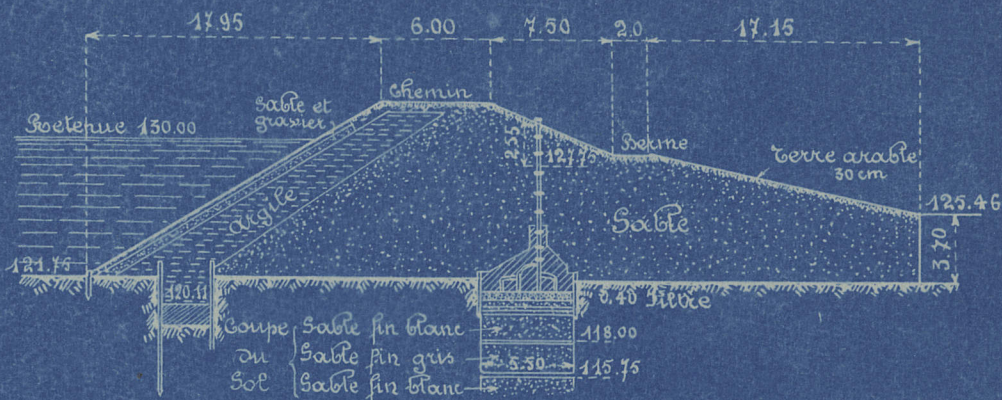


Fig. 2. Barrage de Bouthken. - Plan général.

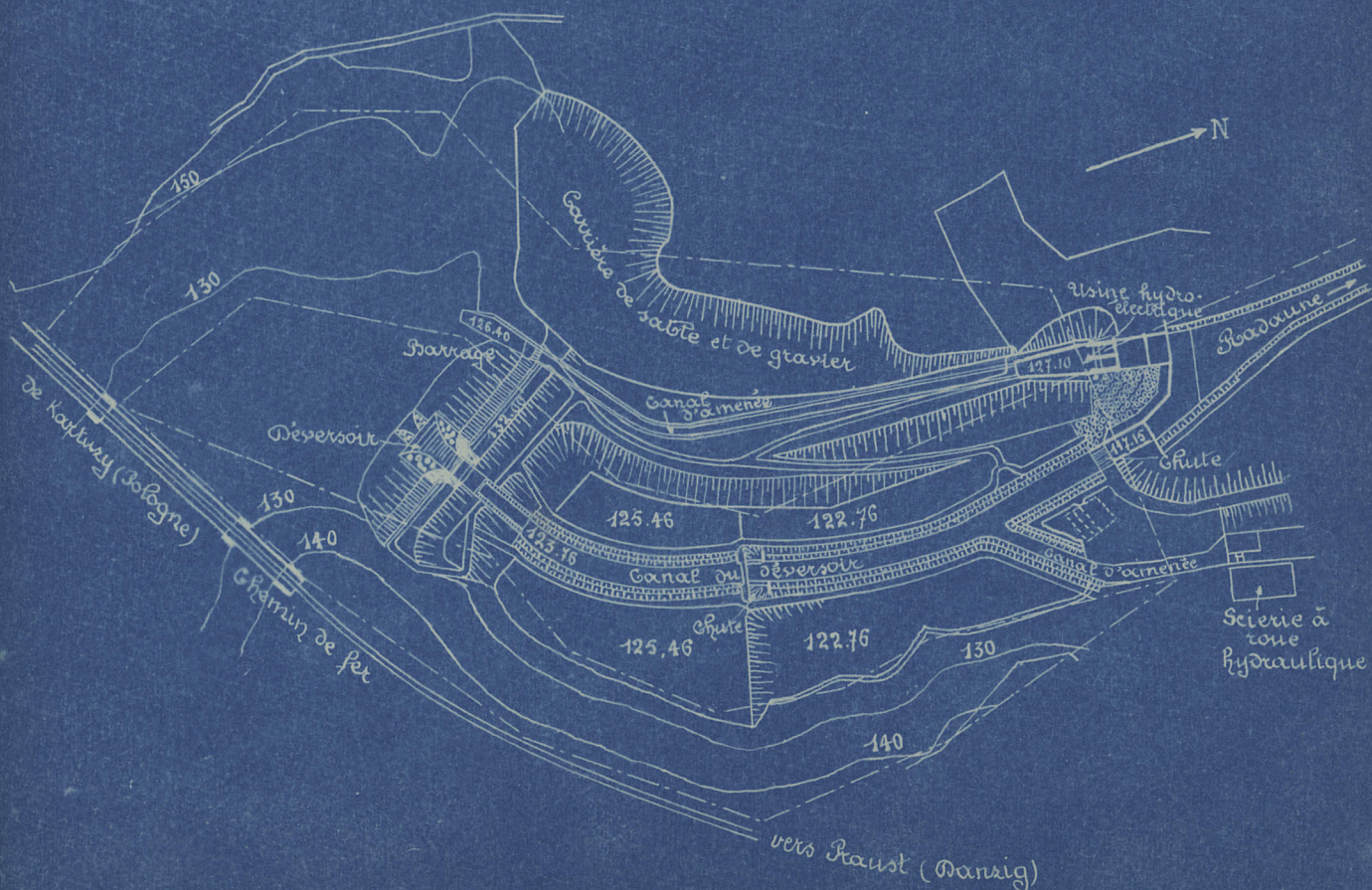


Fig. 1. Barrage de Bouthken. - Coupe transversale et horizontale du déversoir.

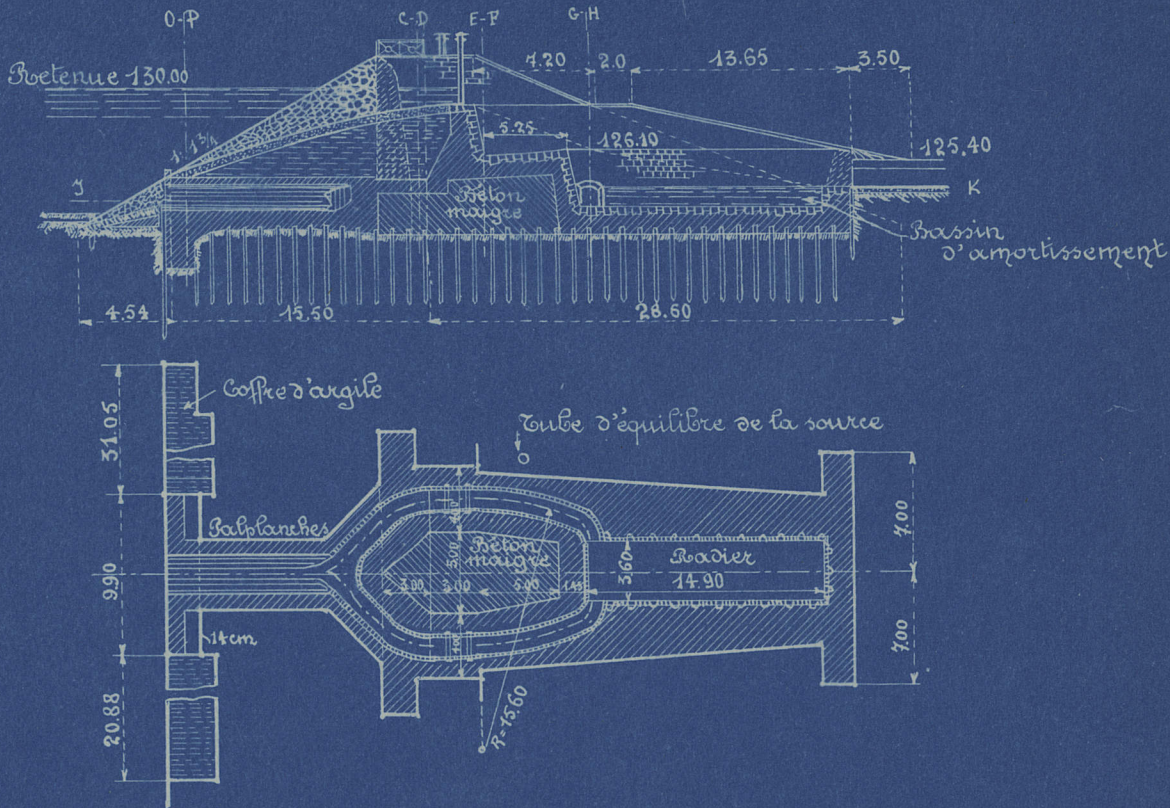
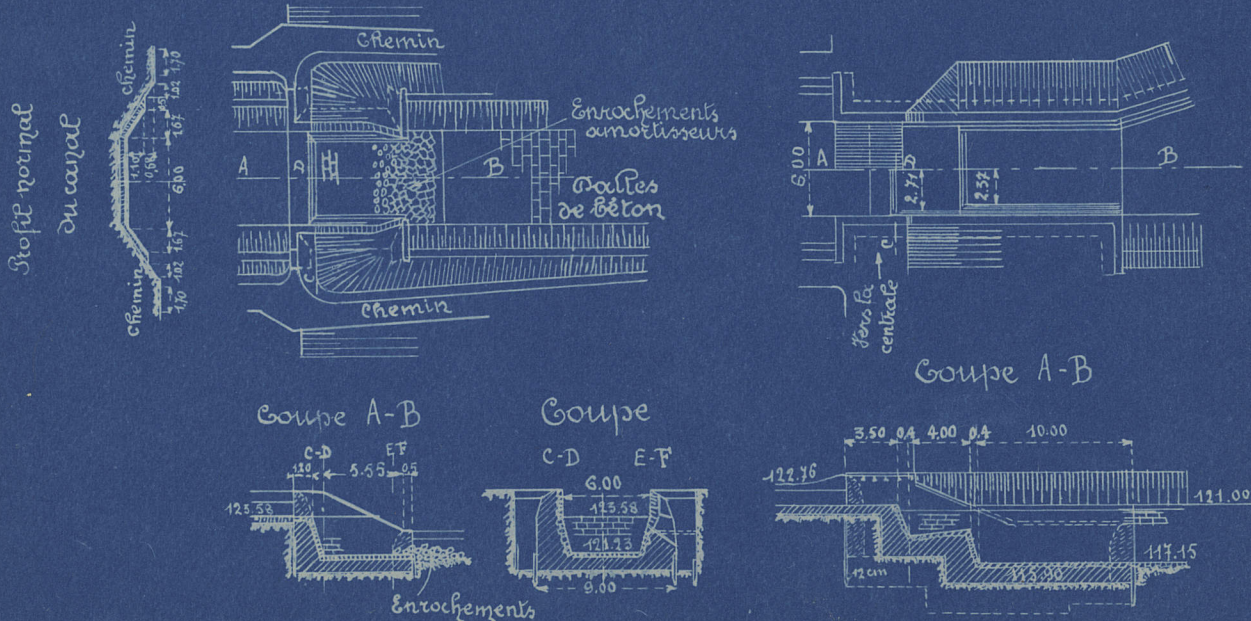
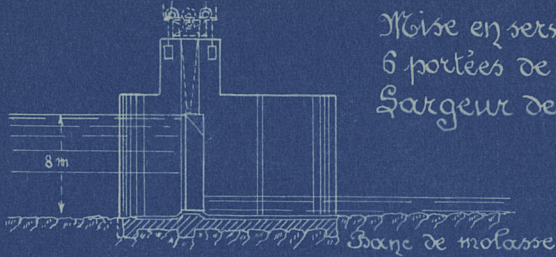


Fig. 2. Barrage de Bouthken. - Détails du canal de fuite du déversoir et des murs de chute moyen et inférieur.



Barrages sur Rocher.

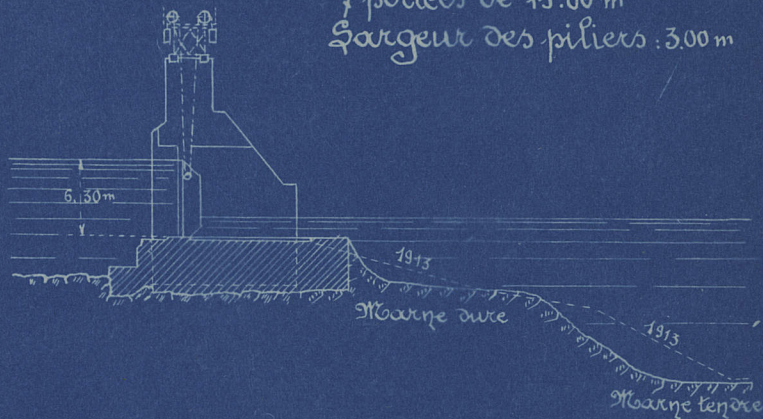
1. Barrage de Ghèsvres (près Genève.)



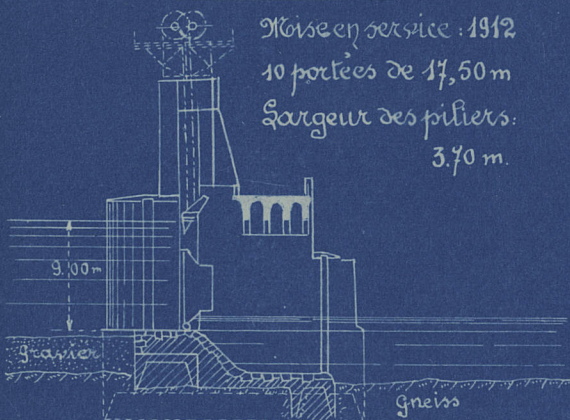
Mise en service : 1896
6 portées de 10.00 m
Largeur des piliers 3.00 m

2. Barrage de Bernau sur l'Ar.

Mise en service : 1902
4 portées de 15.00 m
Largeur des piliers : 3.00 m



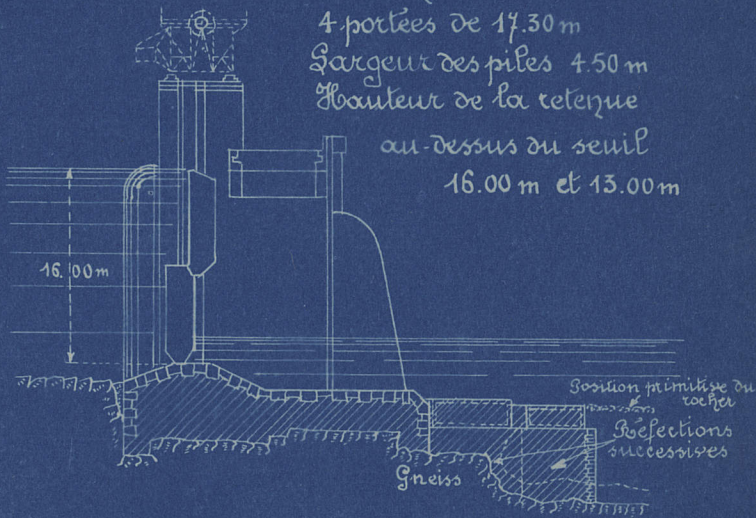
3. Barrage d'Augst Wyhlen sur le Rohin.



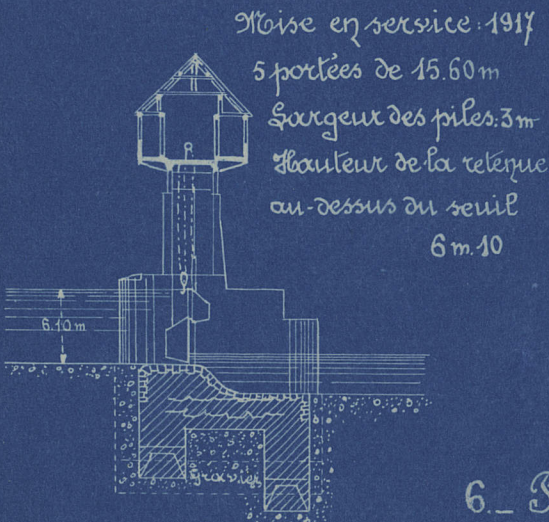
Mise en service : 1912
10 portées de 17.50 m
Largeur des piliers : 3.70 m.

4. Barrage de Saufenbourg sur le Rohin.

Mise en service : 1914
4 portées de 17.30 m
Largeur des piles 4.50 m
Hauteur de la retenue au-dessus du seuil 16.00 m et 13.00 m

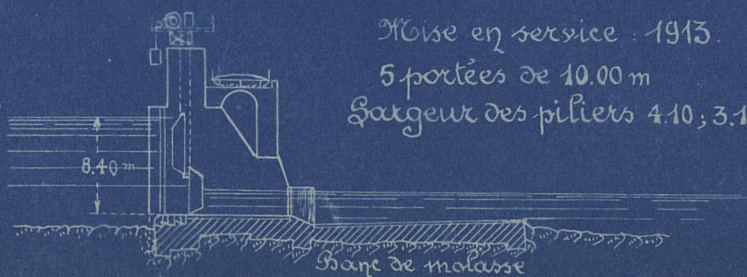


5. Barrage d'Olten-Gösgen sur l'Ar.



Mise en service : 1917
5 portées de 15.60 m
Largeur des piles 3 m
Hauteur de la retenue au-dessus du seuil 6 m.10

6. Barrage de Kallnach sur l'Ar.



Mise en service : 1915.
5 portées de 10.00 m
Largeur des piliers 4.10 ; 3.10 et 2.20 m

Barrages sur Rocher. (Fig 1 et 2)

Fig. 1. Barrage de Chanzy-Baugny sur le Rhône

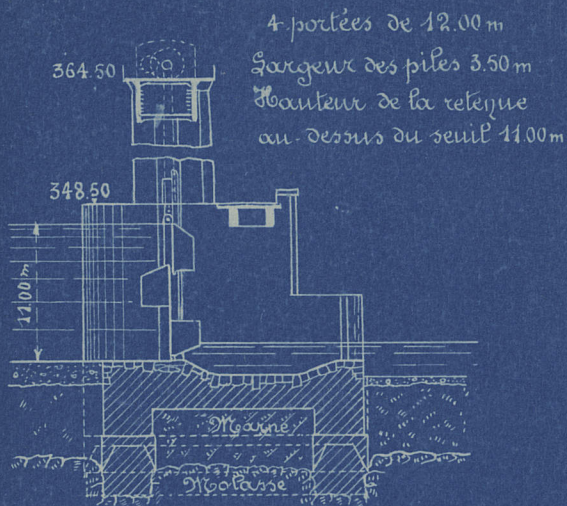
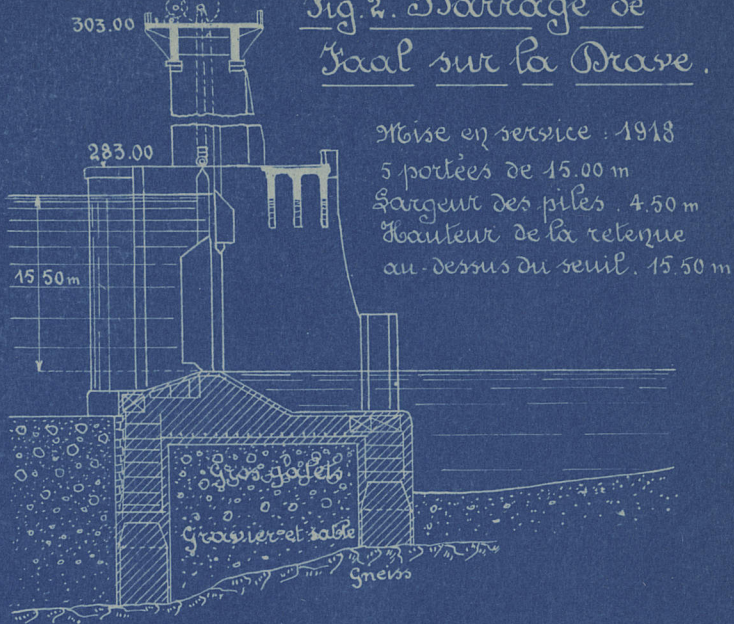


Fig. 2. Barrage de Faal sur la Drave.



L'effet de l'eau se déversant sur le radier de chute.

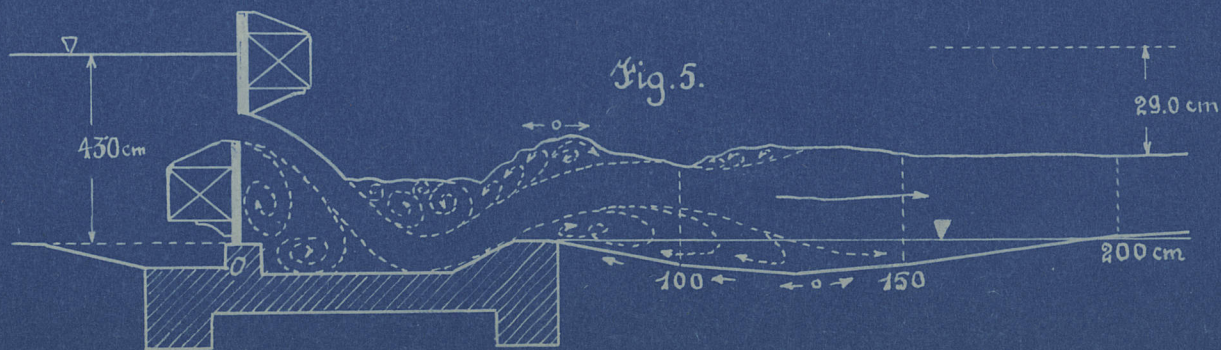
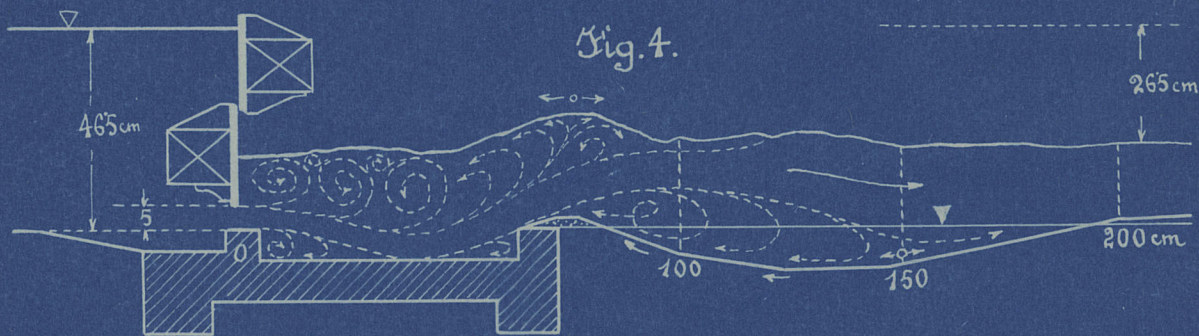
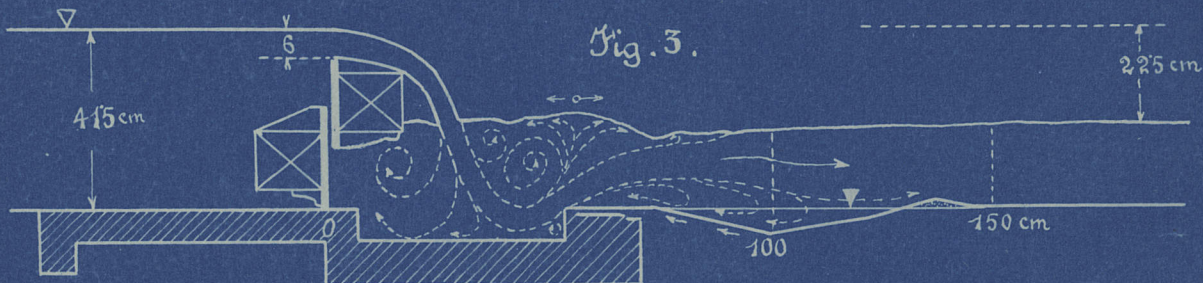
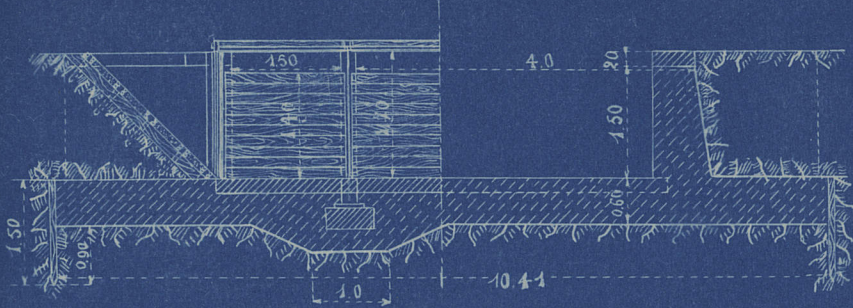


Fig. 1. Barrage à poutrelles.

a) Petit barrage à appuis métalliques fixes.

Elevation et coupe longitudinale.



Elevation d'une pile métallique

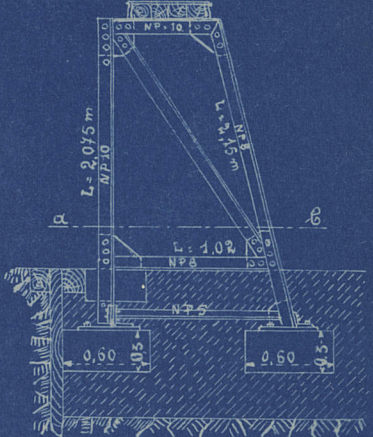


Fig. 2. Barrage à pont levant.

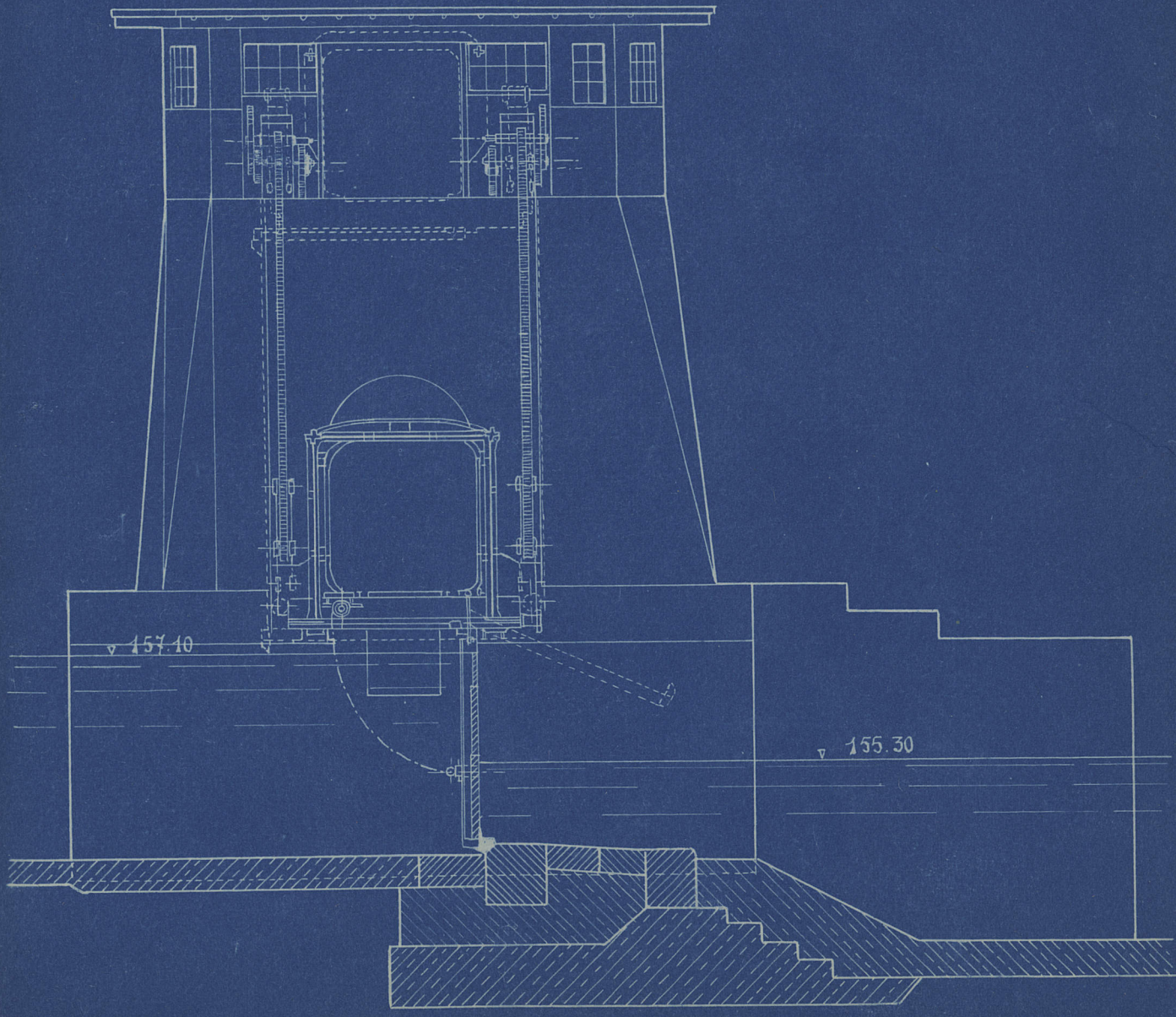


Fig. 1. Barrages à poutrelles
 Différents dispositifs pour l'accrochage des poutrelles.

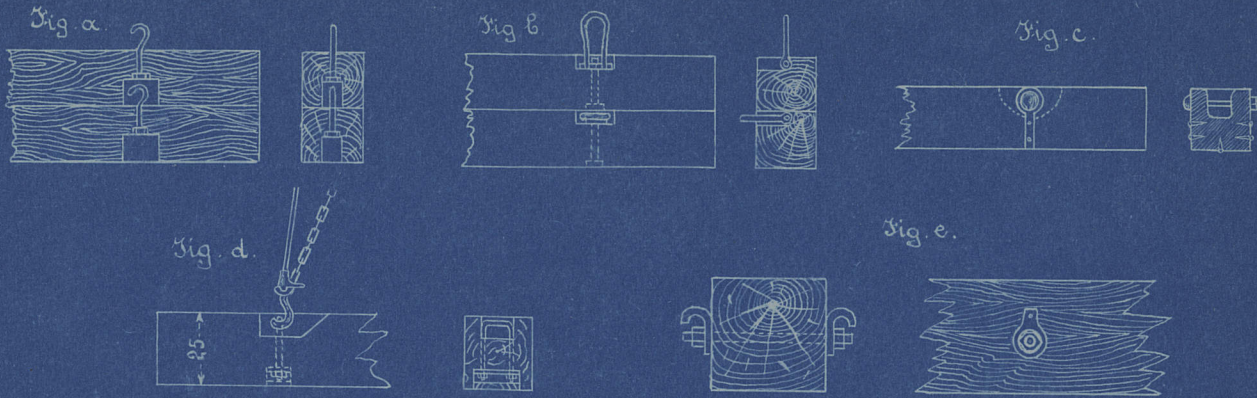
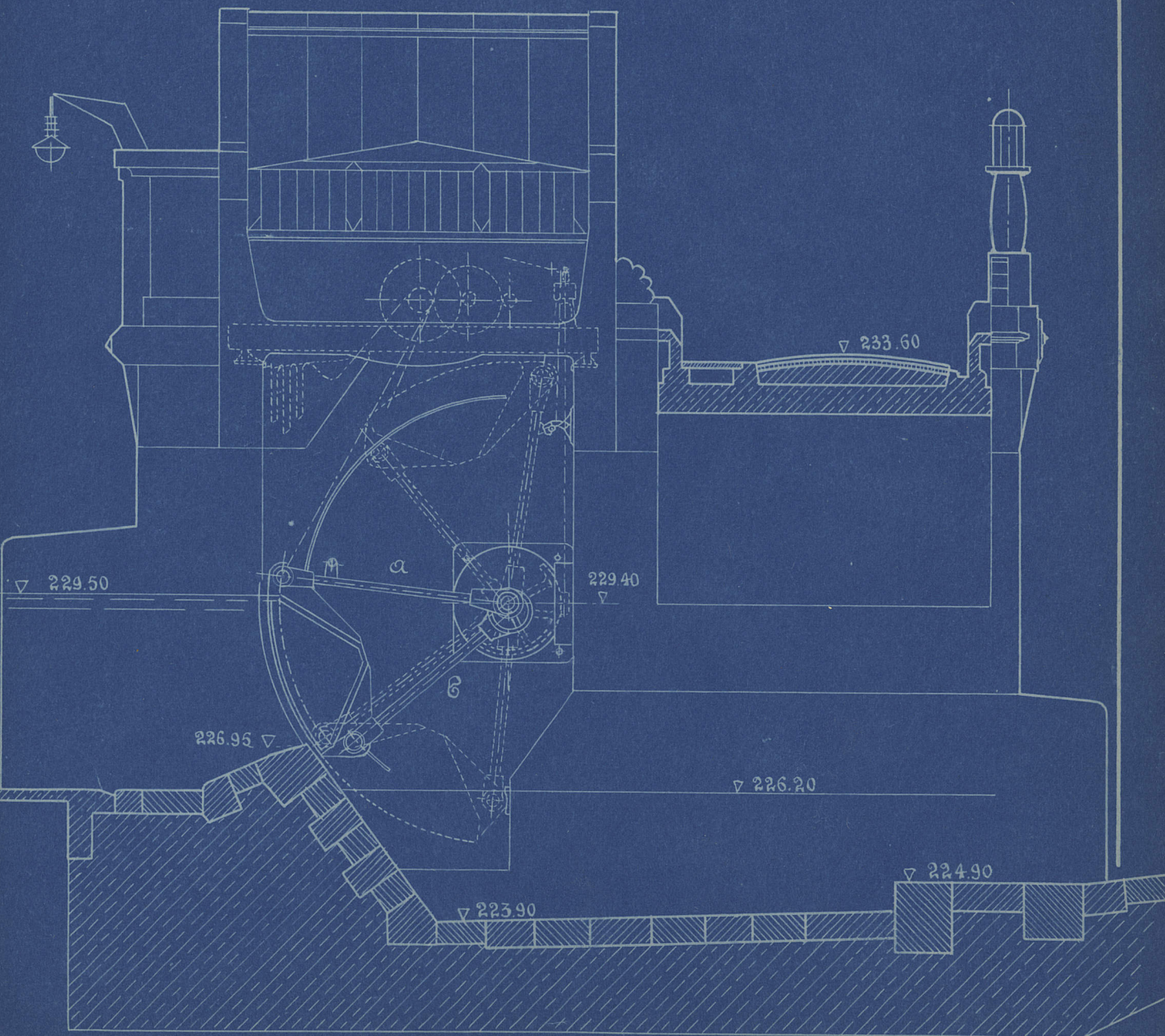


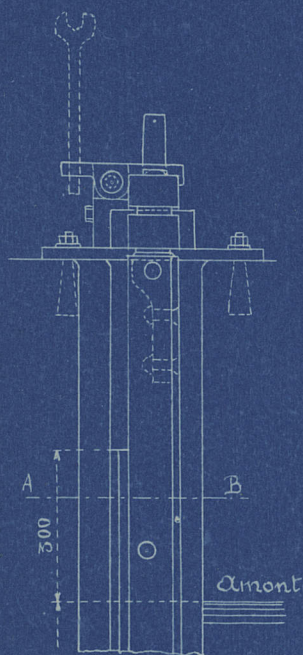
Fig. 2. Barrage à segment mobile.



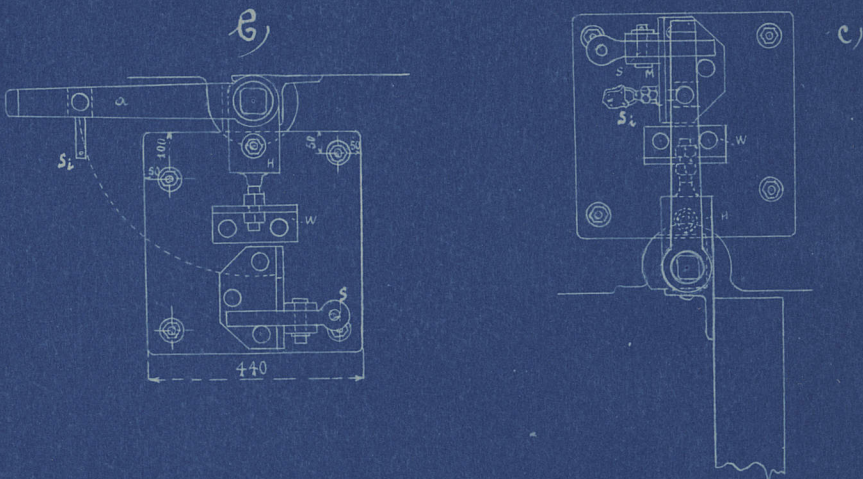
Poteaux valets

Fig. 1. Barrage de l'Il à Ehnweyer (Alsace) avec poteau valet perfectionné.

a) Elevation du poteau et coupe du barrage.



b) Vue du dessus en position ouverte et fermée



e et f) Ferrons en S et S.i.

d) Coupe du poteau

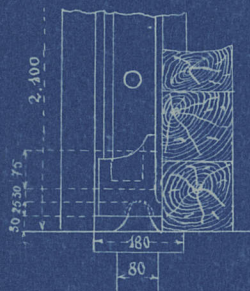


Fig. 3. Barrage à poutrelles dans la Seille (Saône)

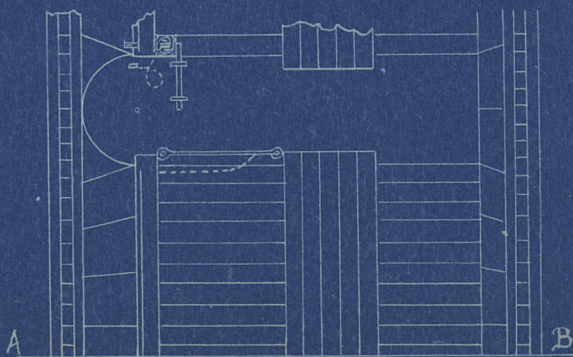
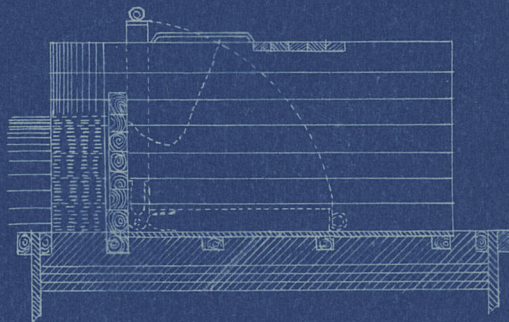


Fig. 2

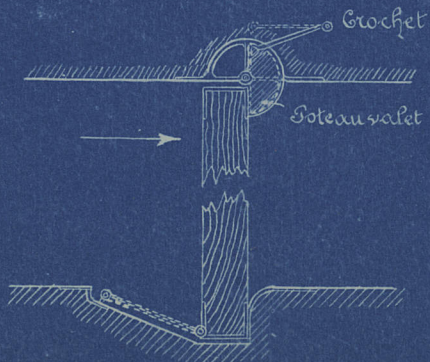


Fig. 1. Soutrelle à galets

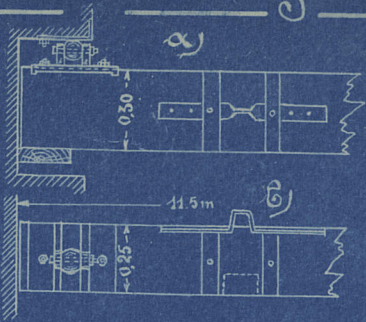
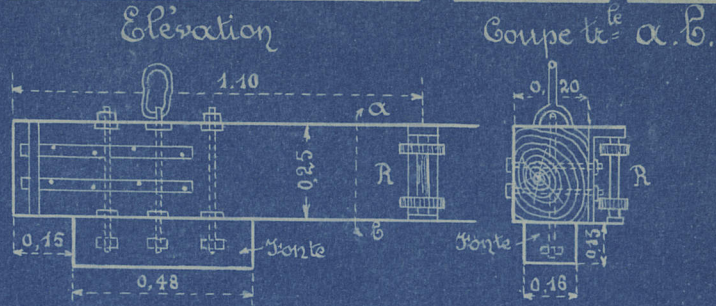


Fig. 2. Soutrelle dame de la Sambre.



Boideaux Caméré

Fig. 3. Barrage à fermettes de Port-Willer sur la Seine (1876-1880)

a) Coupe

b) treuil mobile

c) Chariot

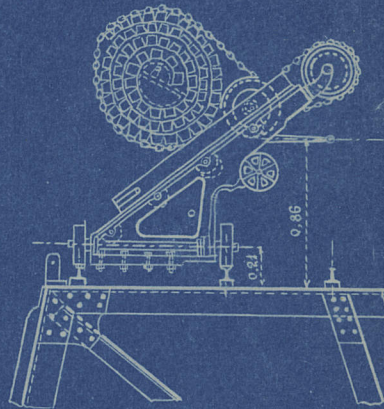
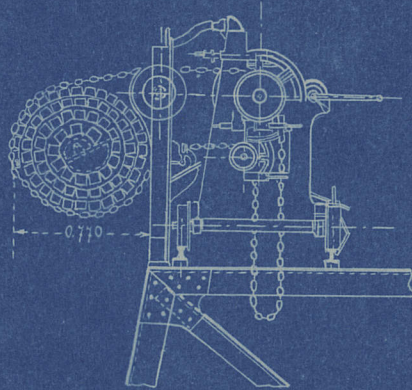
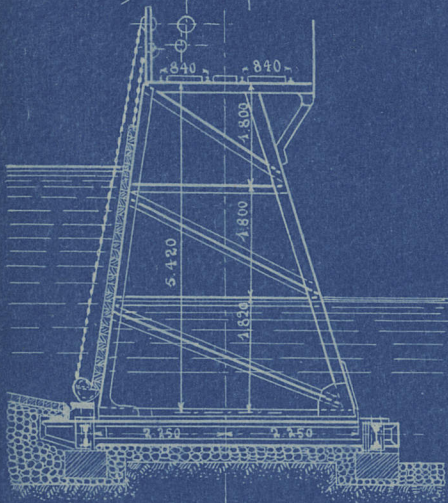


Fig. 4. Barrage de Hagneck sur l'Ar (Suisse)

b et c Détail de la hausse inférieure

a) Coupe

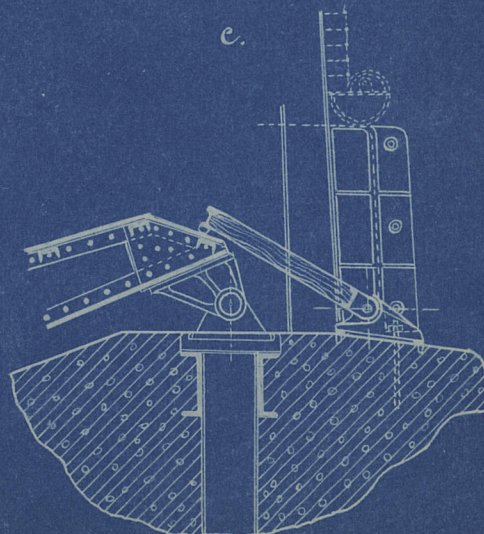
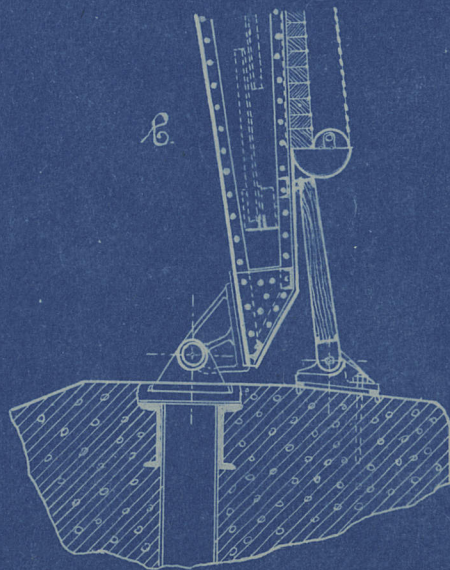
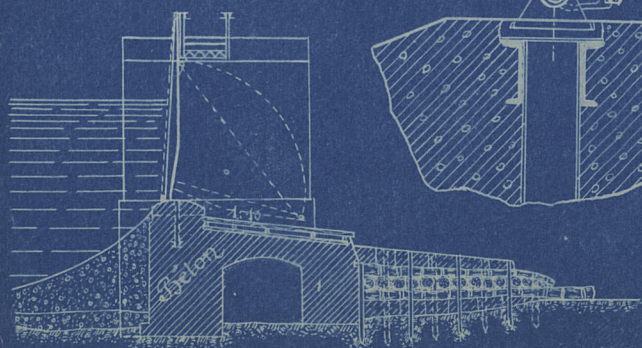


Fig. 1. Vue d'un montant.

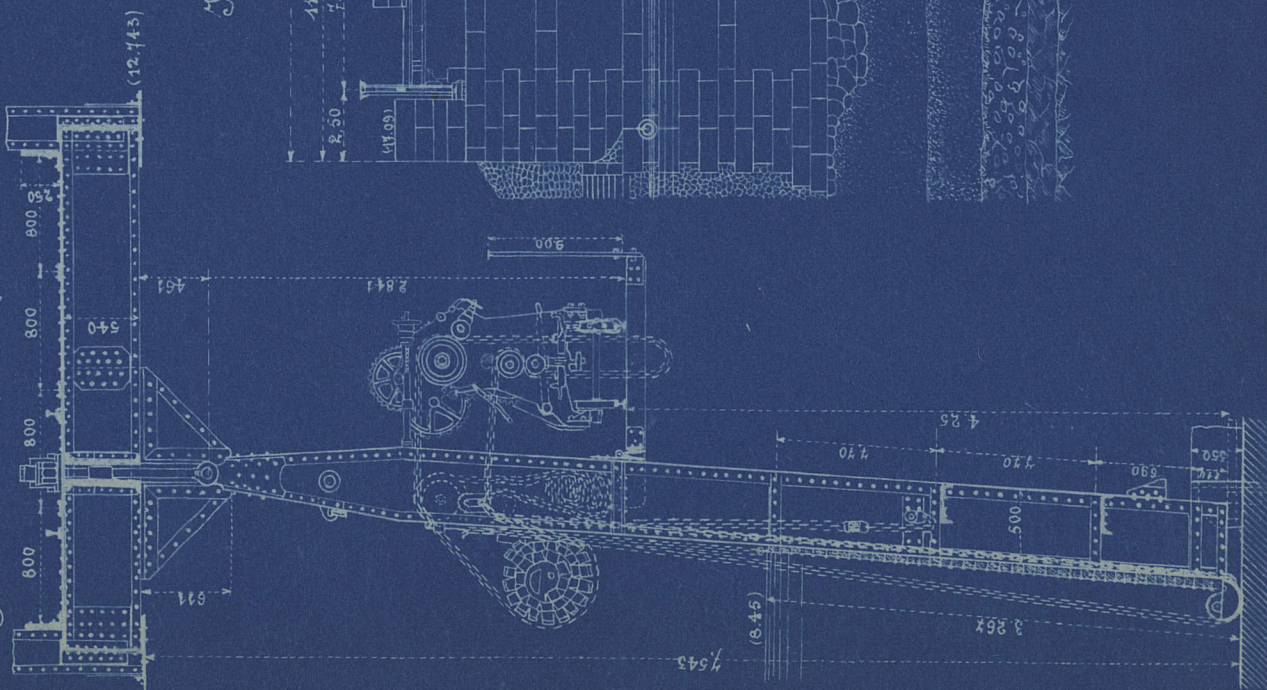


Fig. 2. Coupe

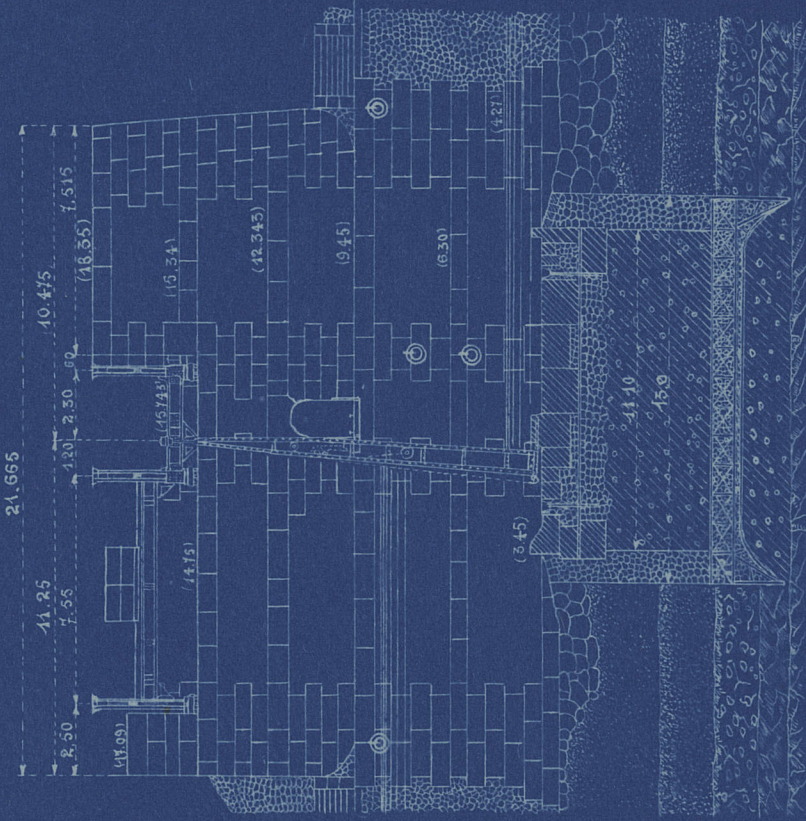
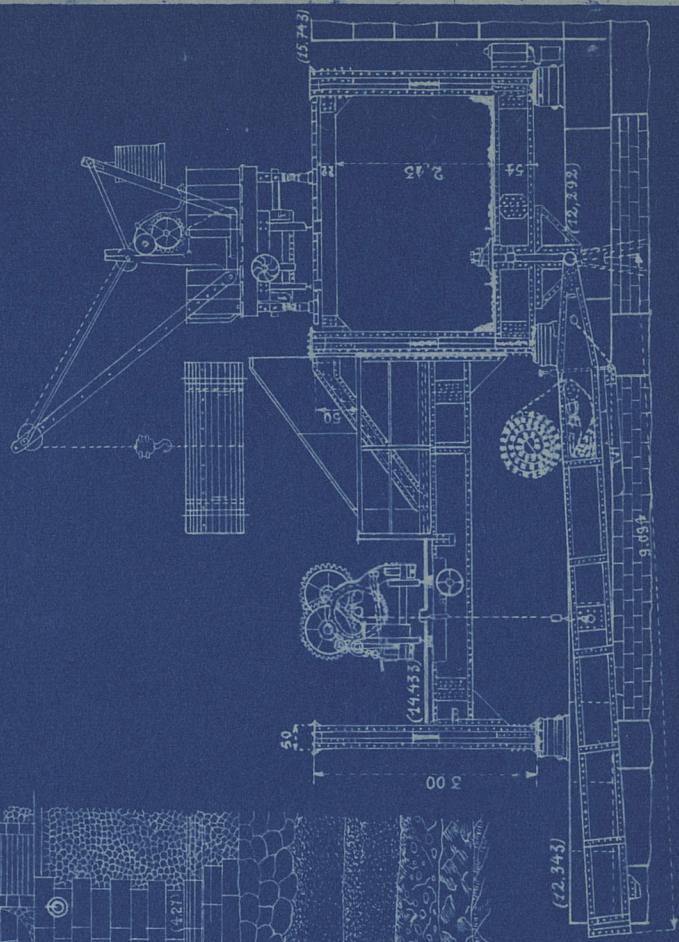


Fig. 3. Coupe du pont de service.



Boiteaux Cambré.
 Barrage à pont supérieur de Boses (Seine)

Voieaux Cambré

Barrage à pont supérieur de Poses sur la Seine (suite)

Fig. 4. Elevation partielle

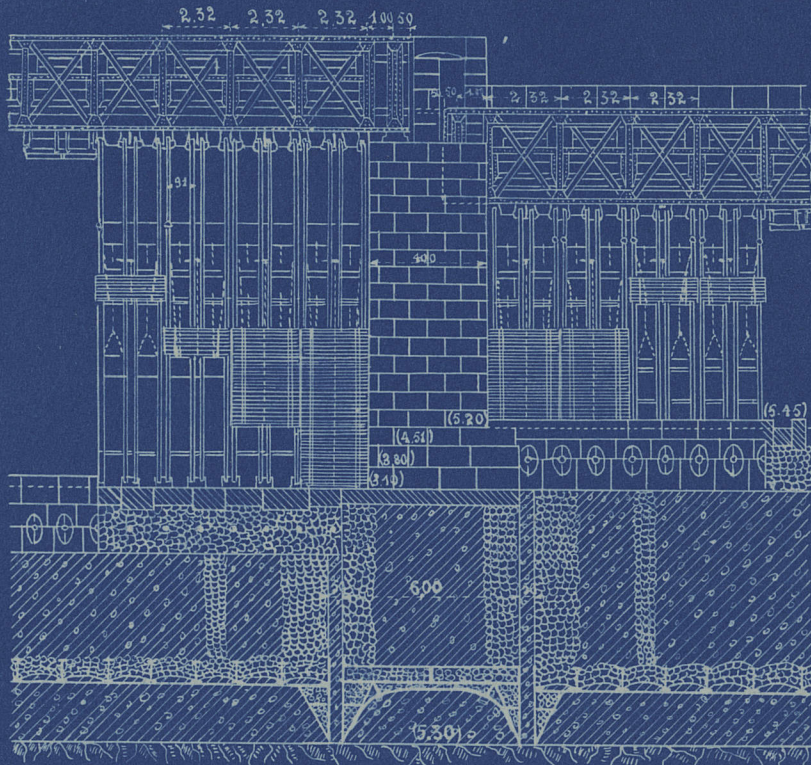
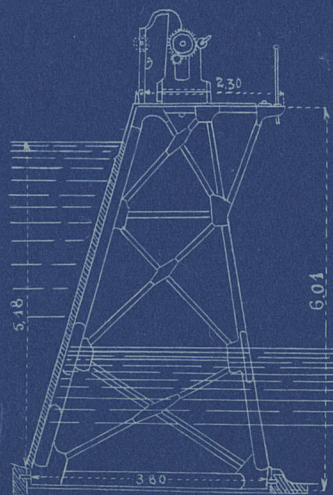
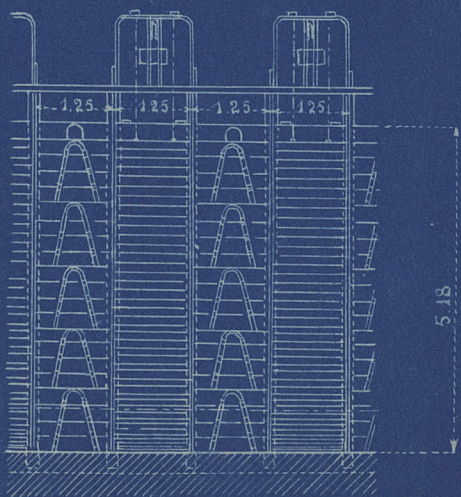


Fig. 1. Passe navigable de Suresnes (Seine)

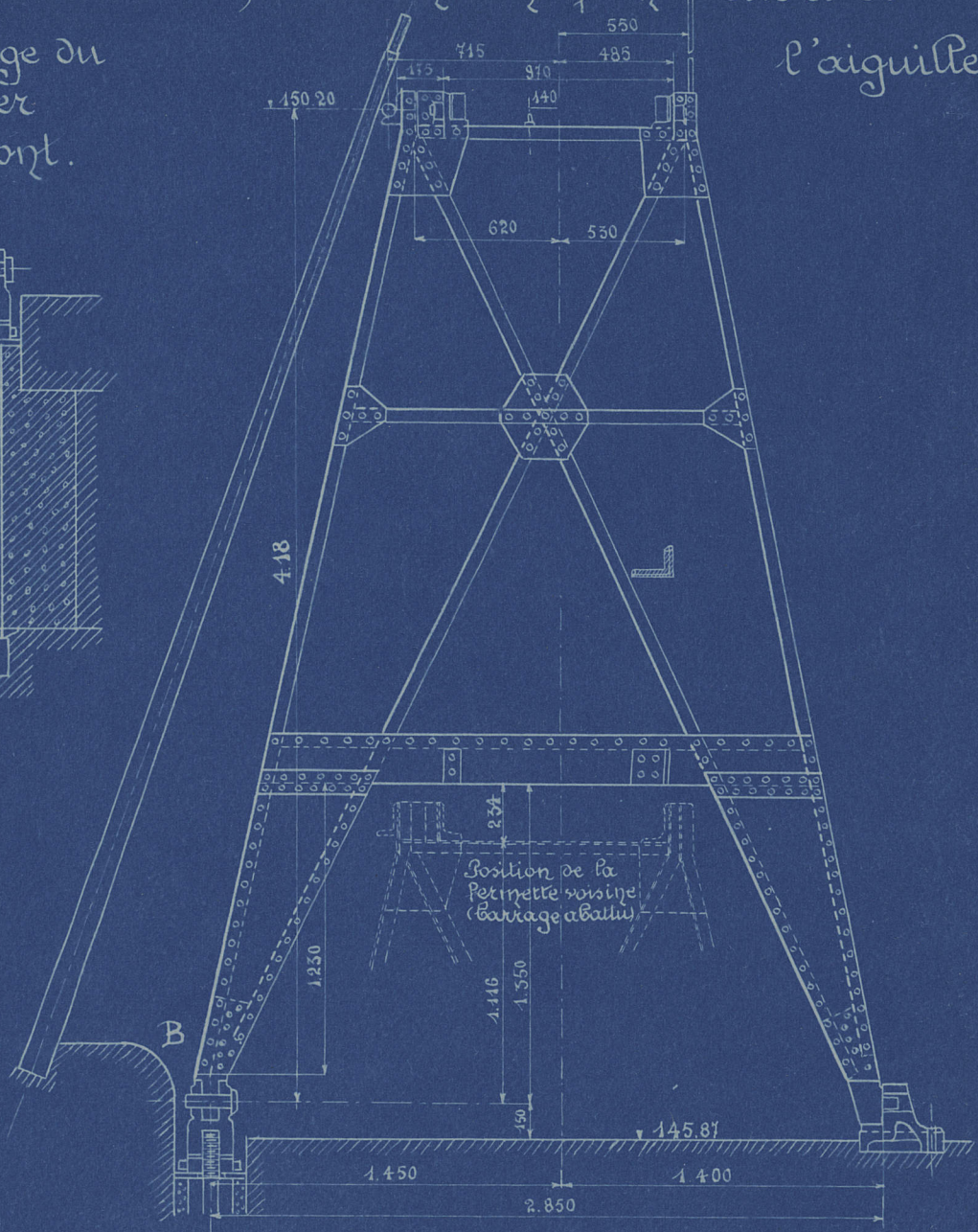
a) Elevation.

b) Coupe.

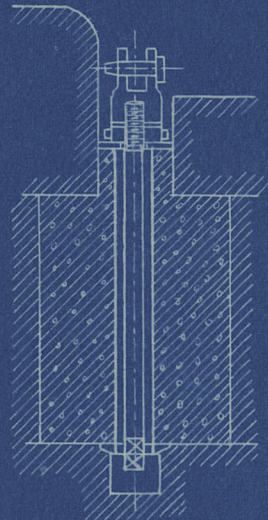


Barrage à aiguilles et fermettes de Boudnitz sur l'Elbe (Tchéco-Slovaquie)

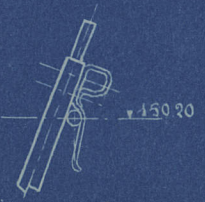
1.) Elevation d'une fermette et de l'aiguille



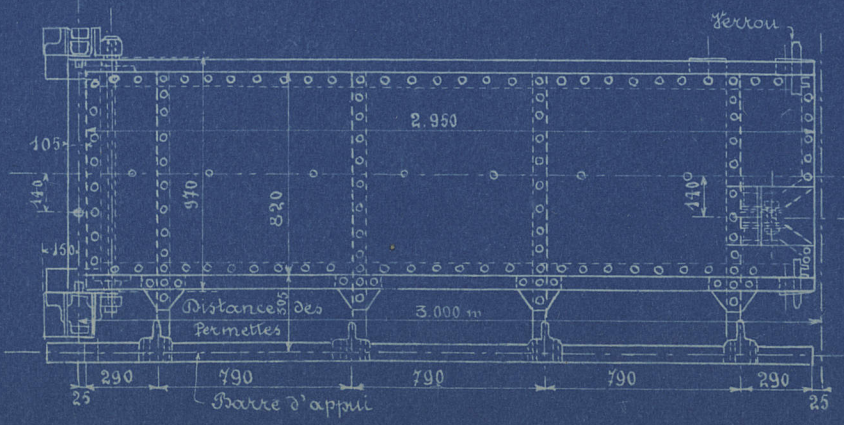
4.) Anvrage du palier d'amont.



3.) Crochet de l'aiguille



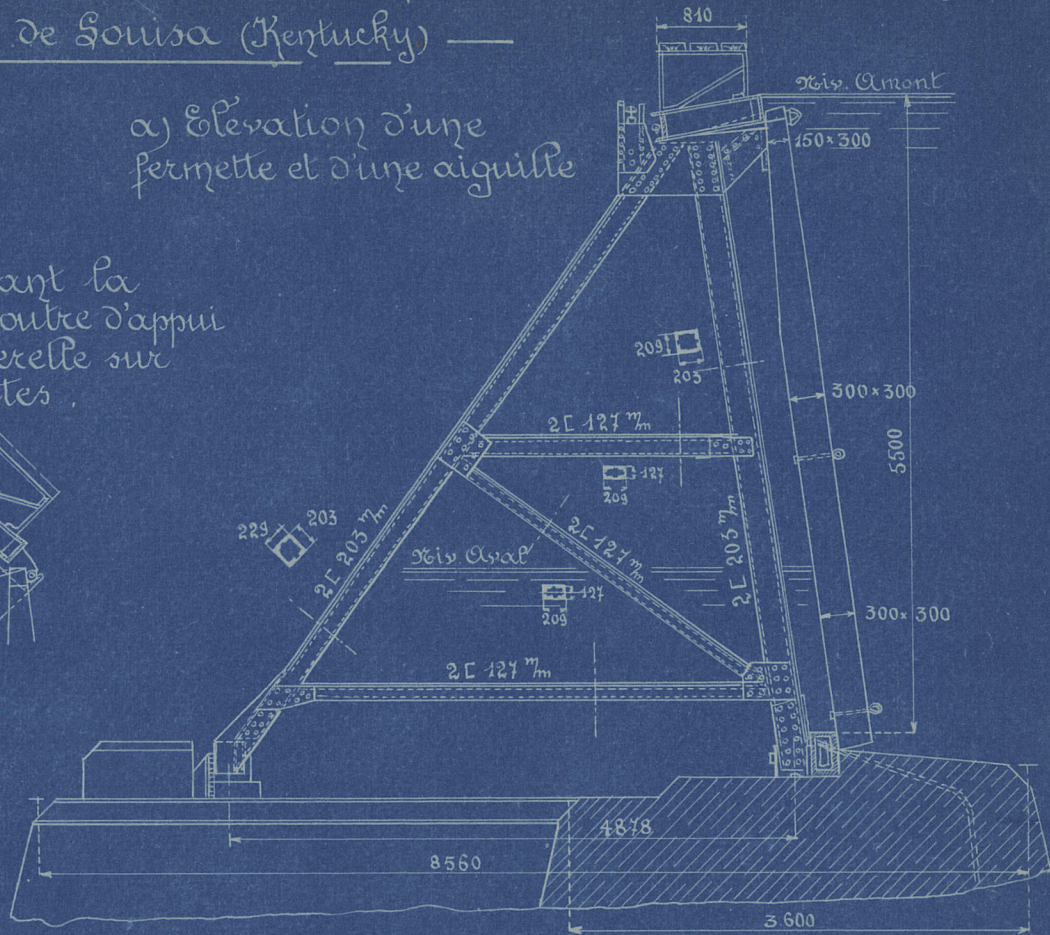
2.) Plan d'une travée avec la passerelle.



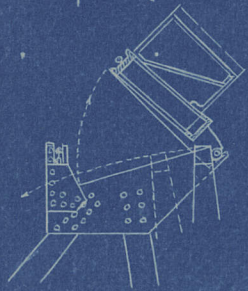
Barrage à aiguilles et fermettes du Big-Sandy

près de Souisa (Kentucky)

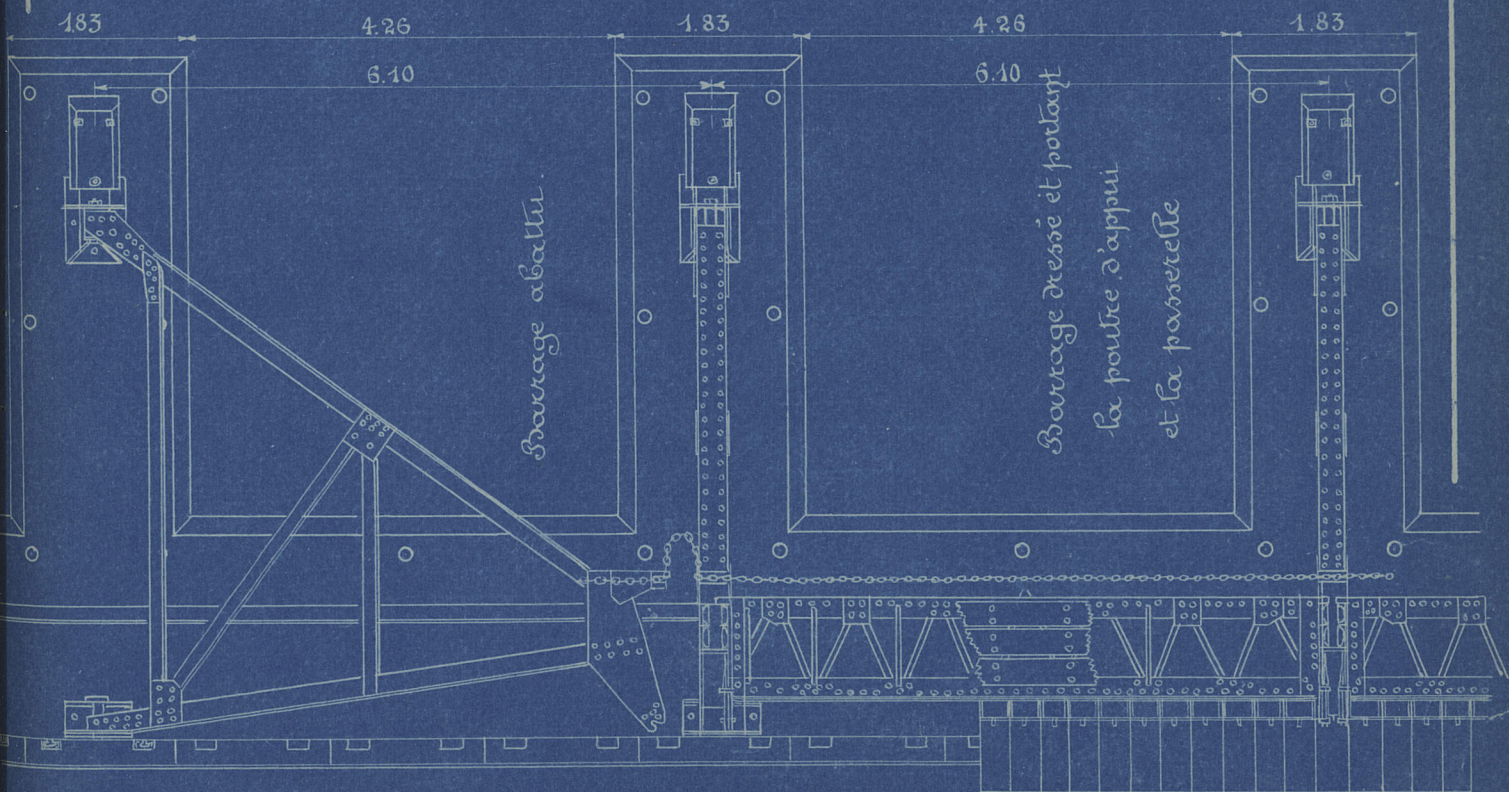
a) Elevation d'une fermette et d'une aiguille



b) Détail montrant la fixation de la poutre d'appui et de la passerelle sur les fermettes.



c) Plan



Barages à vanes -- II Barage de Sibirie sur la Mera (Tchéco-Slovaquie.)

Fig. 1. Coupe

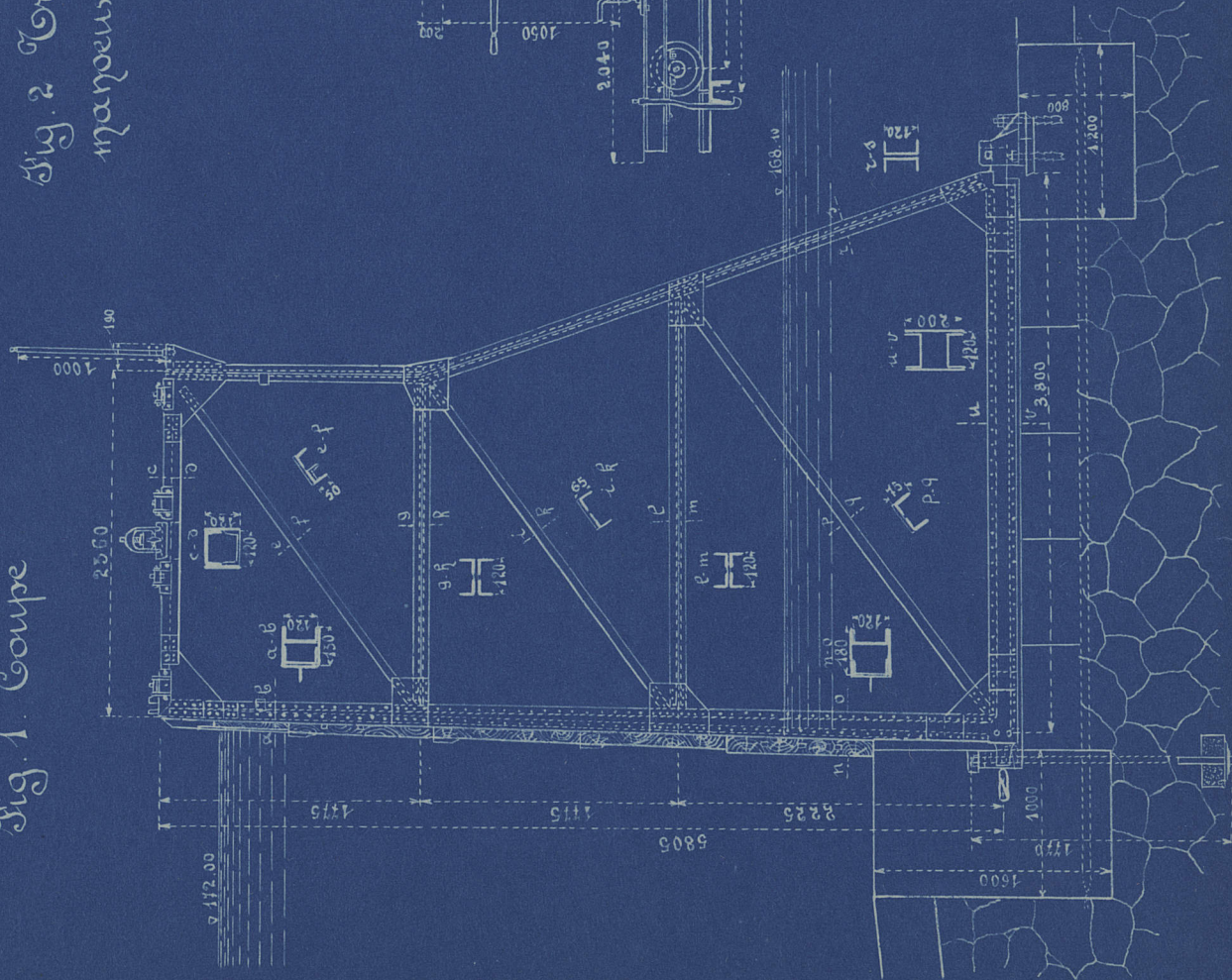


Fig. 2. Creuil de manoeuvre

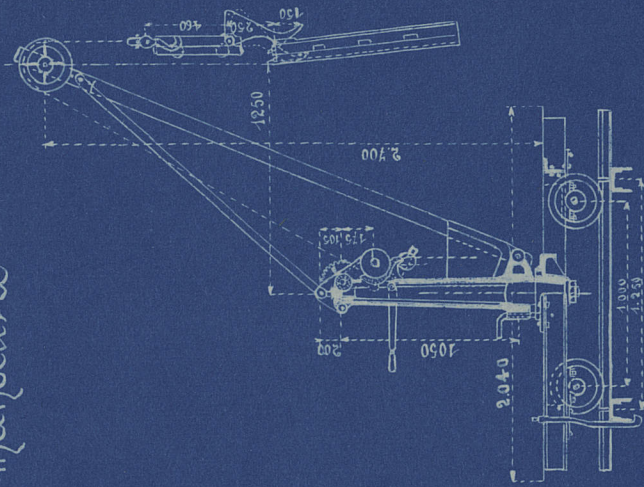


Fig. 3. Elevation

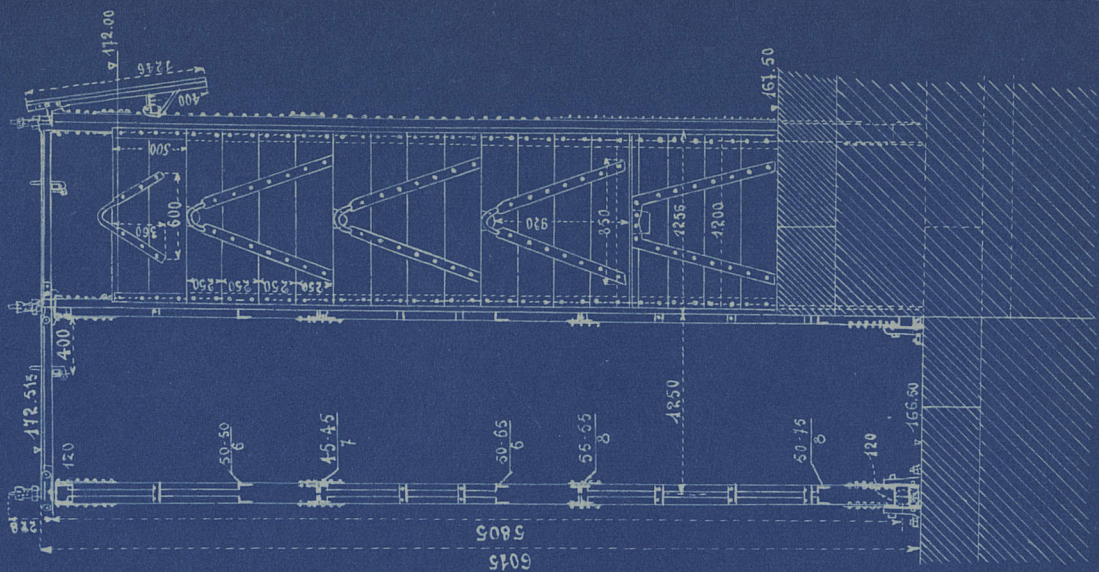
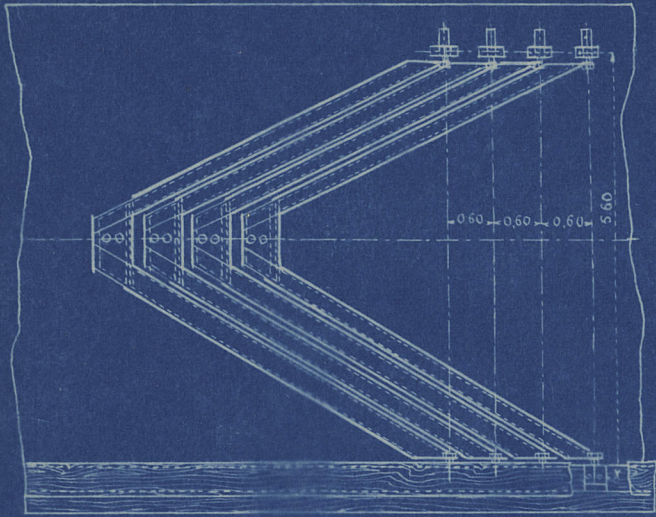


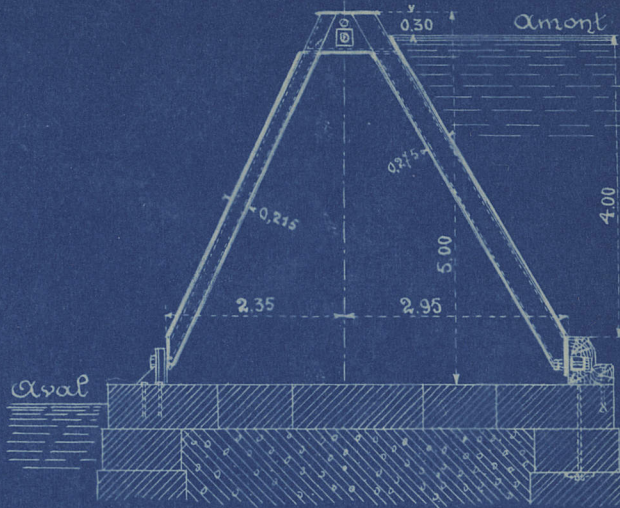
Fig. I.

Barrage Thomas à chevalets.

3) Plan du barrage abattu.



1) Coupe transversale.



2) Abattage du barrage.

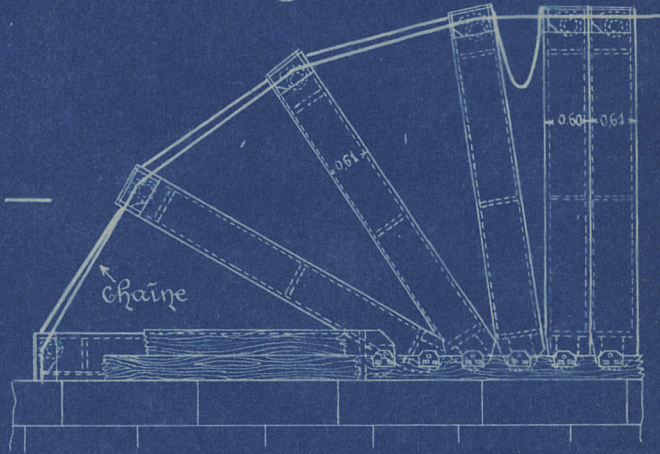
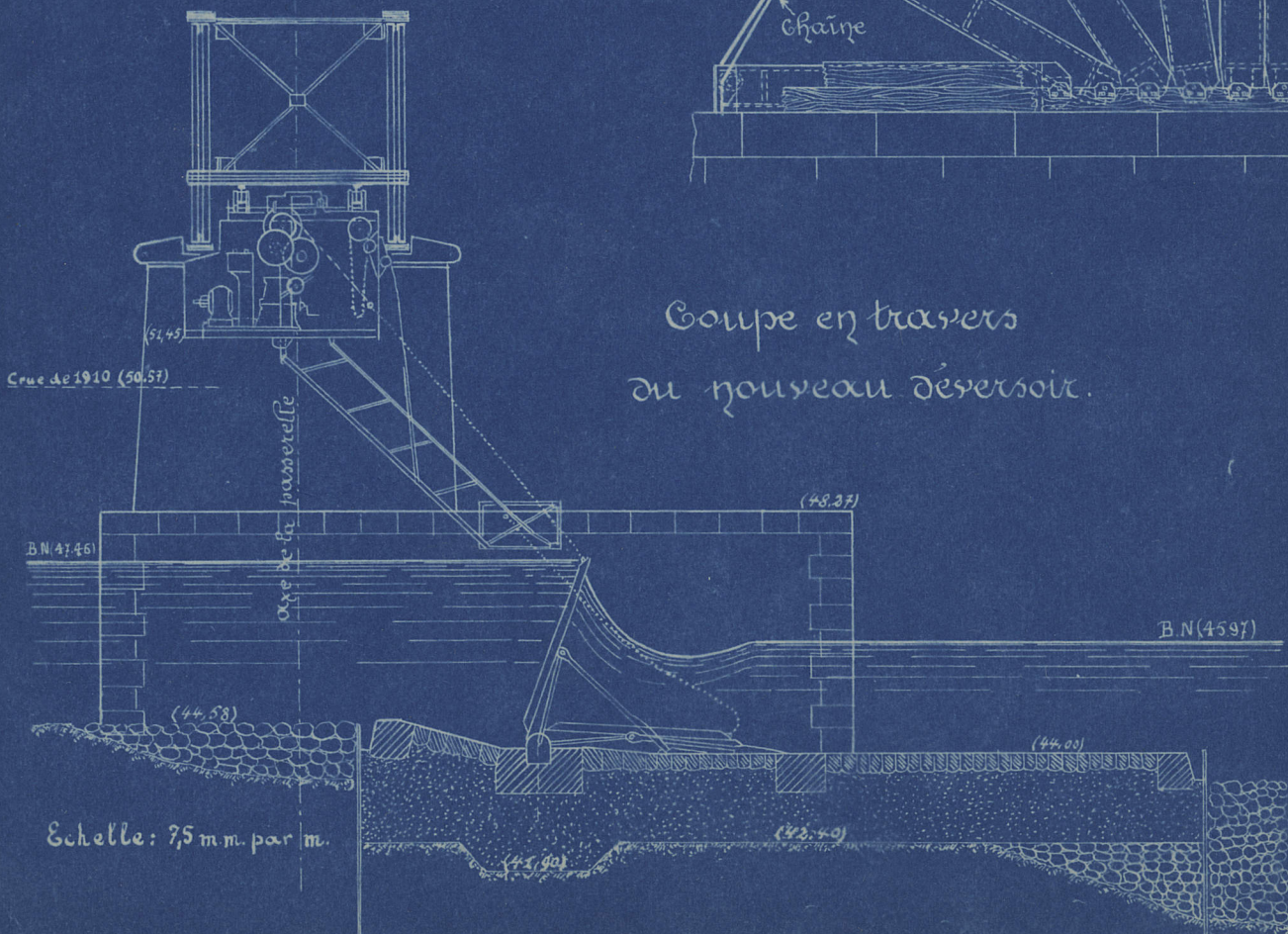


Fig. II.

Barrage de Jareignes sur Seine

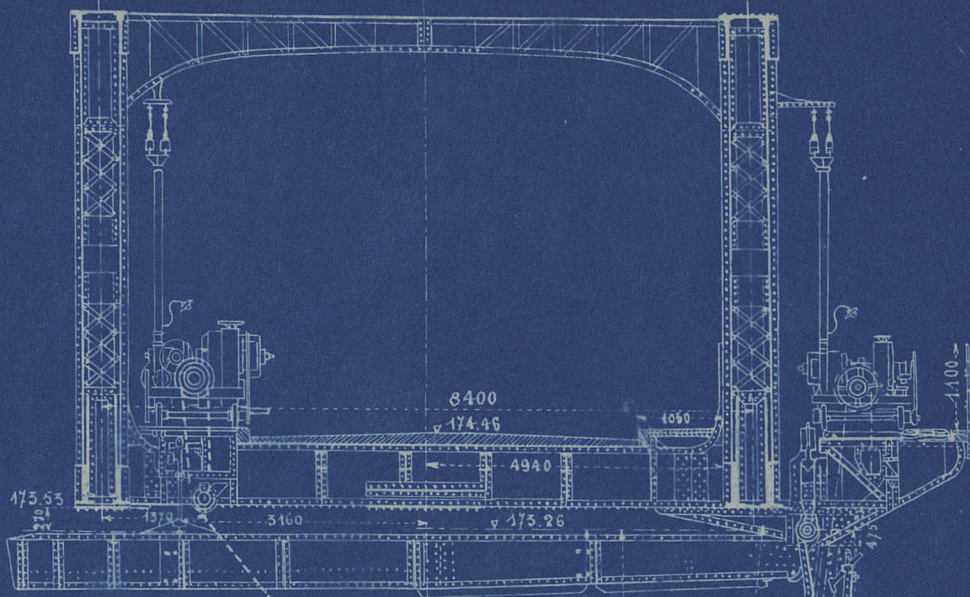


Coupe en travers du nouveau déversoir.

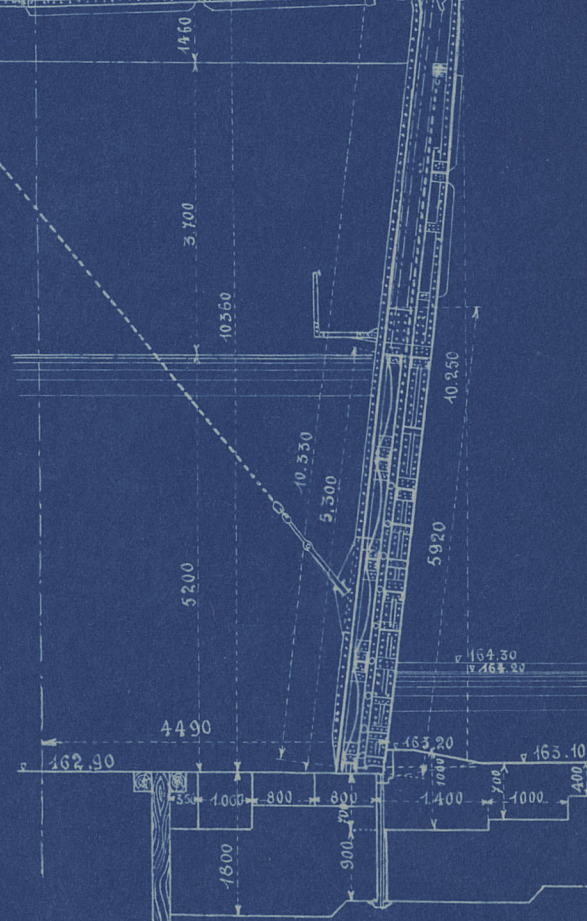
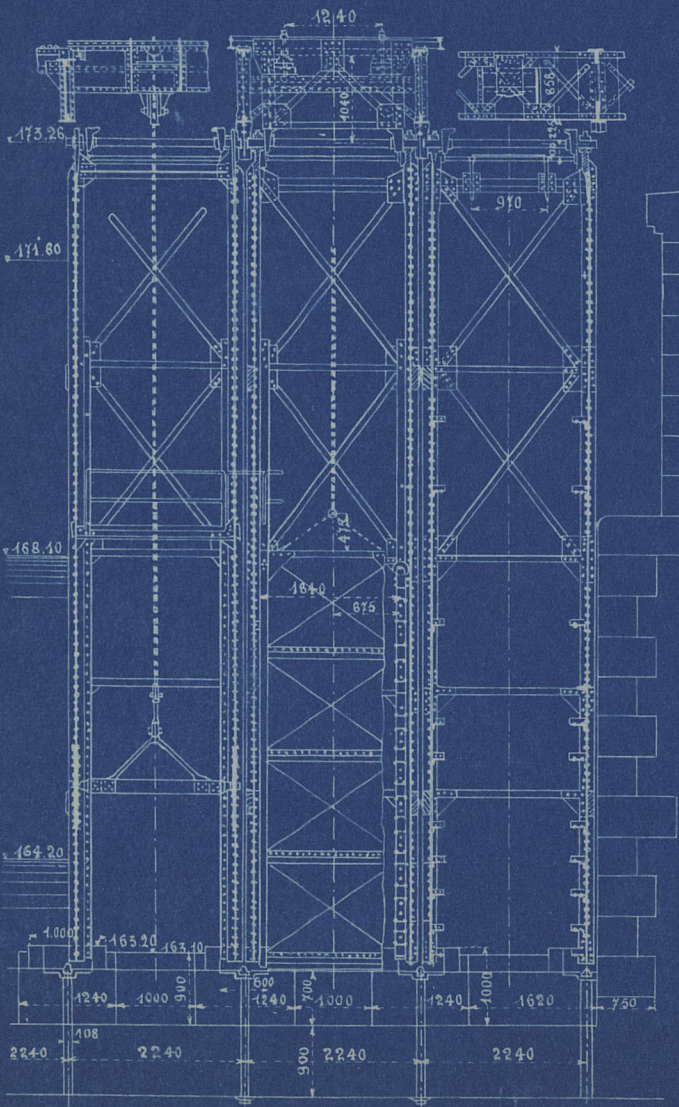
Barrages à Tannes

Fig. 1. Barrage à pont supérieur de Mirešovice sur la Mlava (Tchéco-Slovaquie).

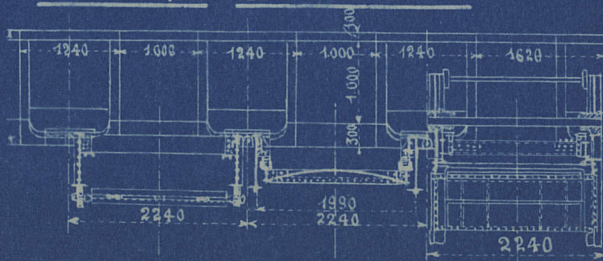
a) Coupe



b) Elevation

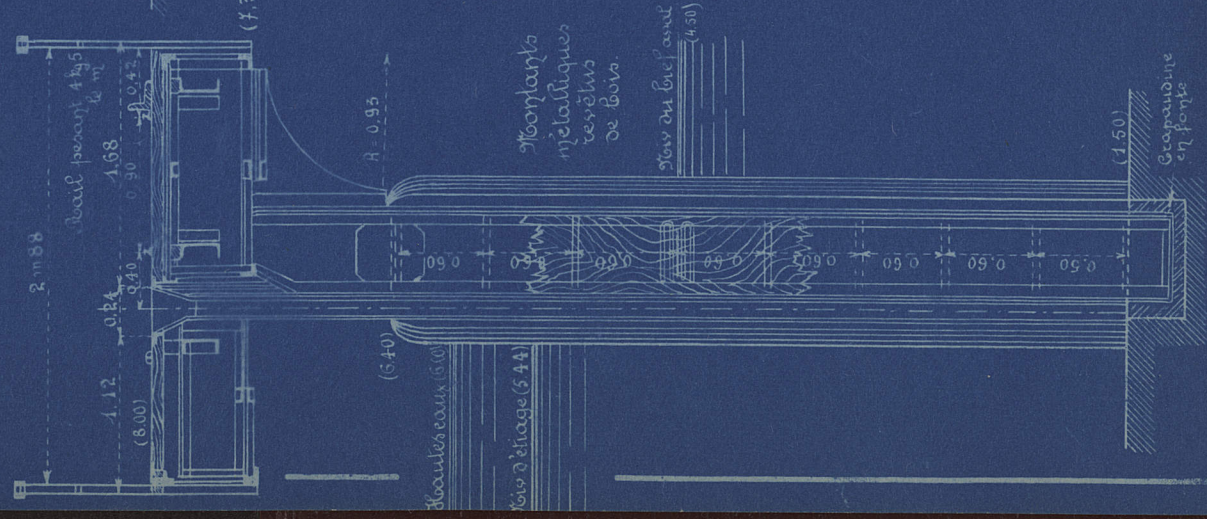


c) Coupe horizontale



Barrages à rampes — Barrage Saint-Georges à Gand.

Fig. 1. Coupe transversale

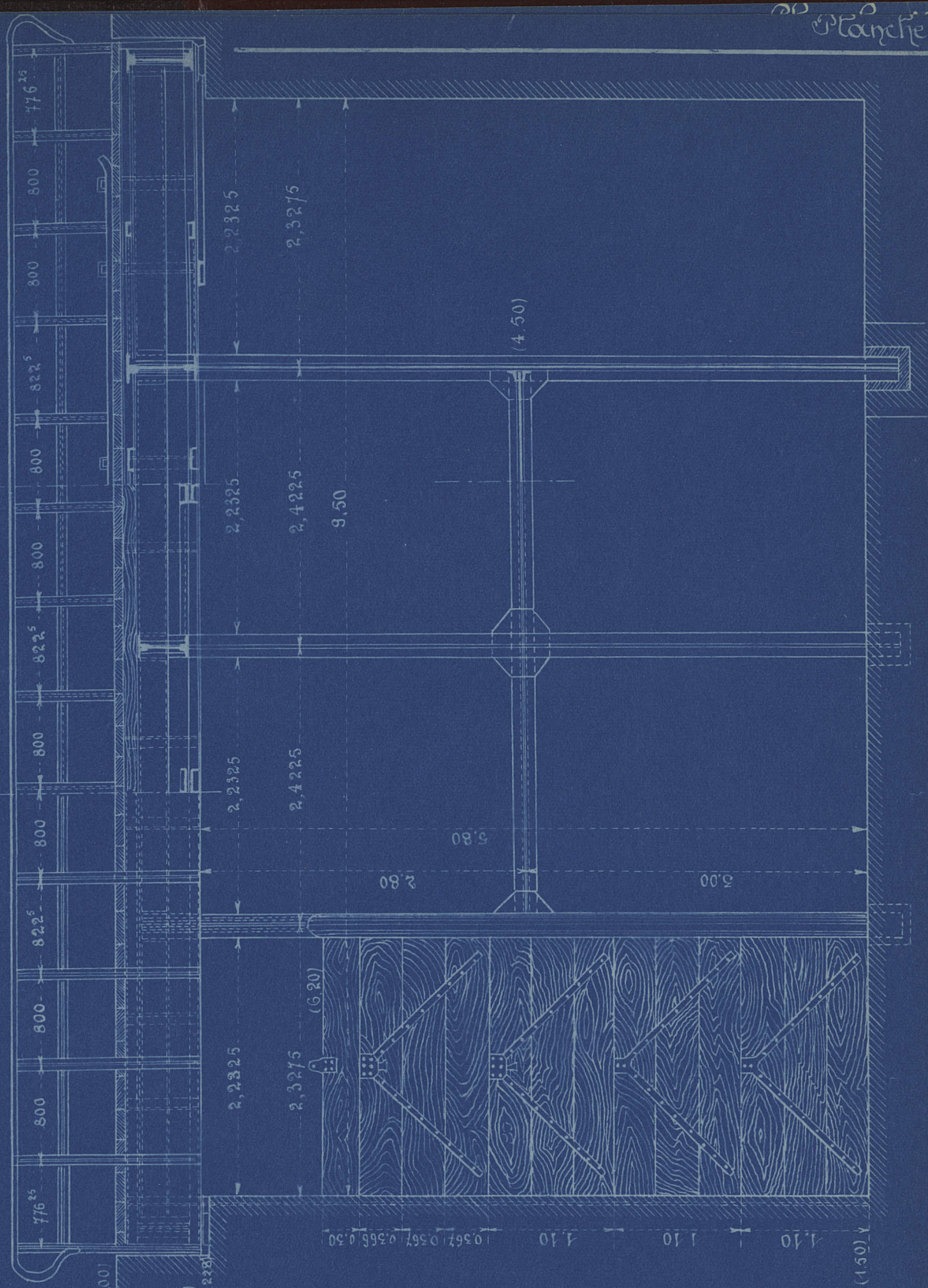


Montants
 métalliques
 renforcés
 de bois.
 Bois en treillis
 (4.30)

Crépandine
 en fonte
 (1.50)

Baies aux
 (5.40)
 bois d'échage (5.44)

Fig. 2. Elevation



Barrages à Vannes.

Fig. 1. Fermettes Schwarzer avec montants intermédiaires pour le barrage à vannettes
Boulevard Sittowice sur l'Elbe (tchéco-slovaquie)

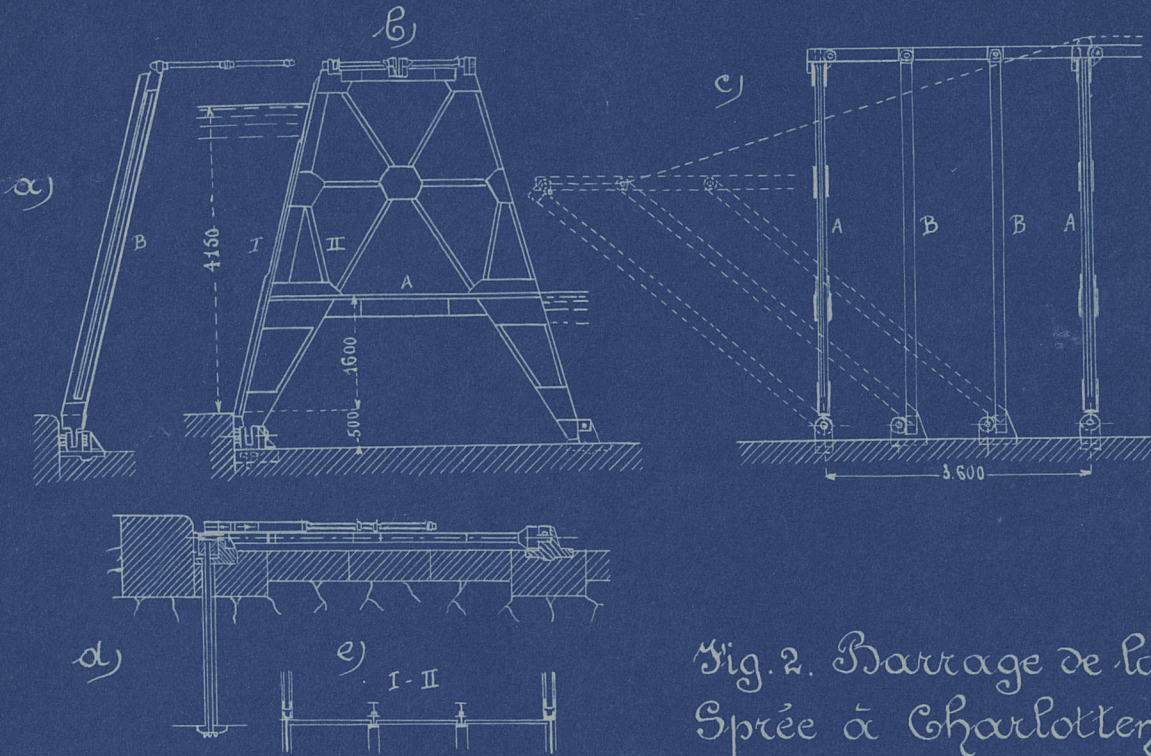


Fig. 2. Barrage de la Sprée à Charlottenb.

Coupe

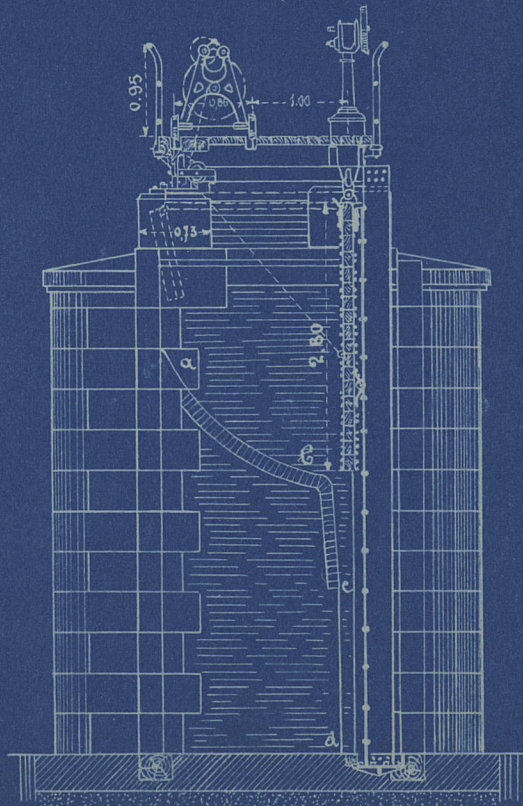
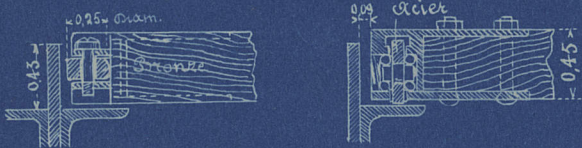
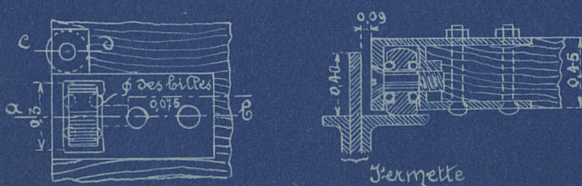


Fig. 3. Détail des vannettes
Boulevard du barrage de
Marolles sur l'Yonne.

Disposition A.

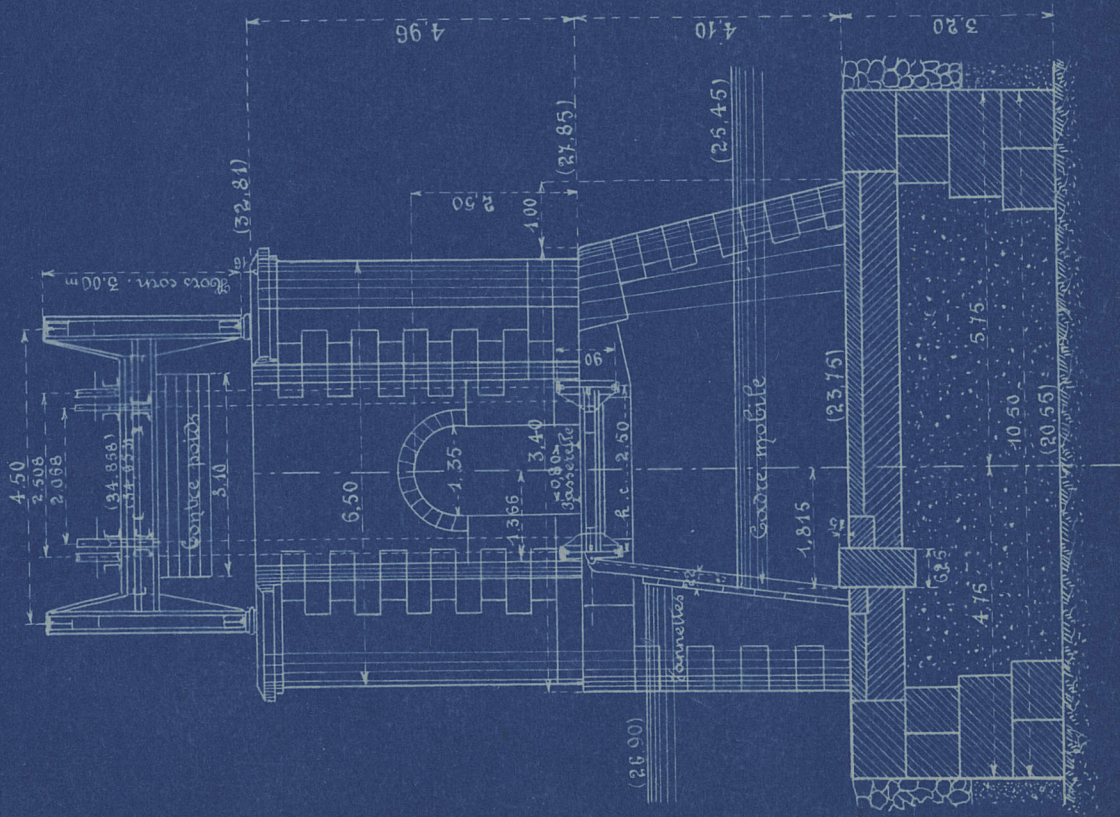


Disposition B.



Barrage à pont supérieur et passerelle levante à Greil sur l'Oise canalisée

b) Coupe transversale - Basse fermée



c) Coupe transversale - Basse ouverte

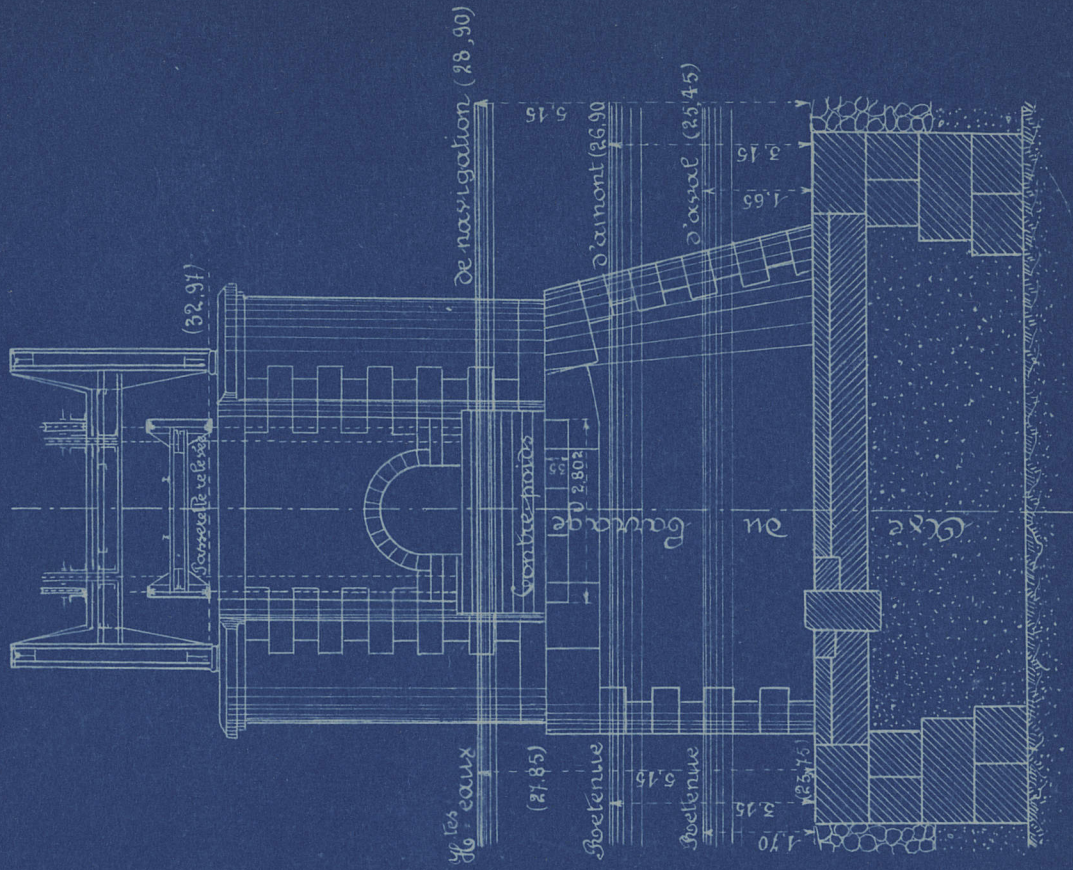
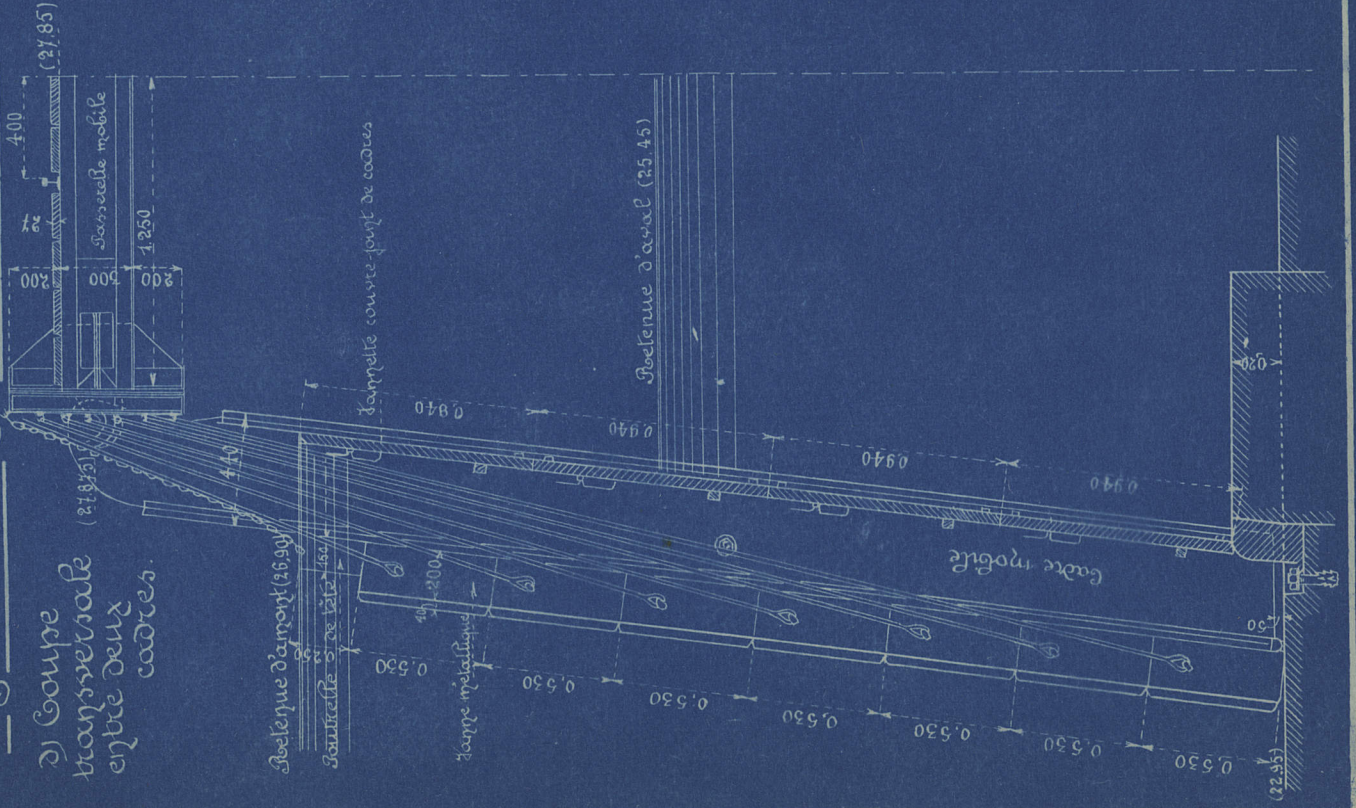


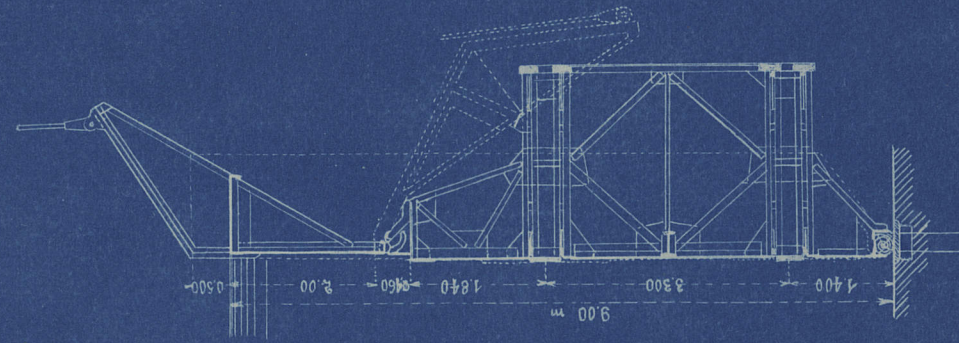
Fig 1 Barrage de Creil (voir pl. 39.)

a) Coupe transversale entre deux cadres.

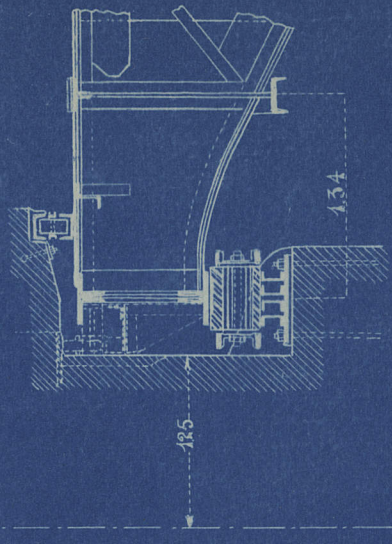


Grandes Vannes (Fig. 2)
Fig. 2. Vanne Storey du barrage d'August-Hyflen (Sofin)

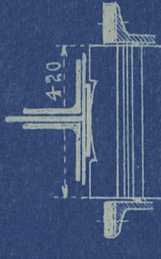
a) Coupe



b) Détail des appuis mobiles



c) Appui des vannes sur les galets.



Barrages à Vannes.

I Barrage de Wangen sur l'Ar en Suisse

Fig. 1. Coupe

Fig. 2. Coupes horizontales et verticales des vannes.

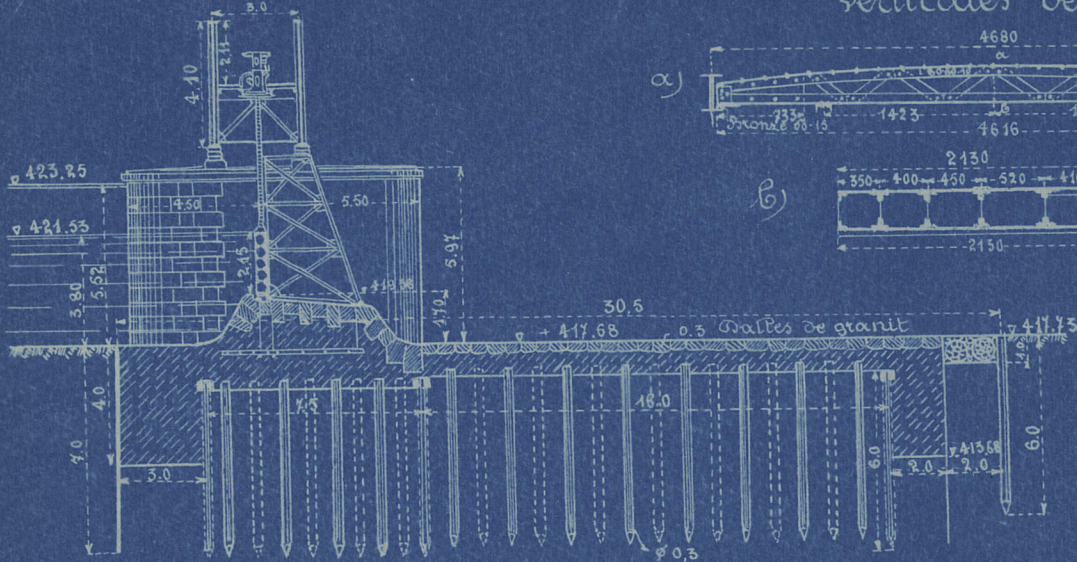
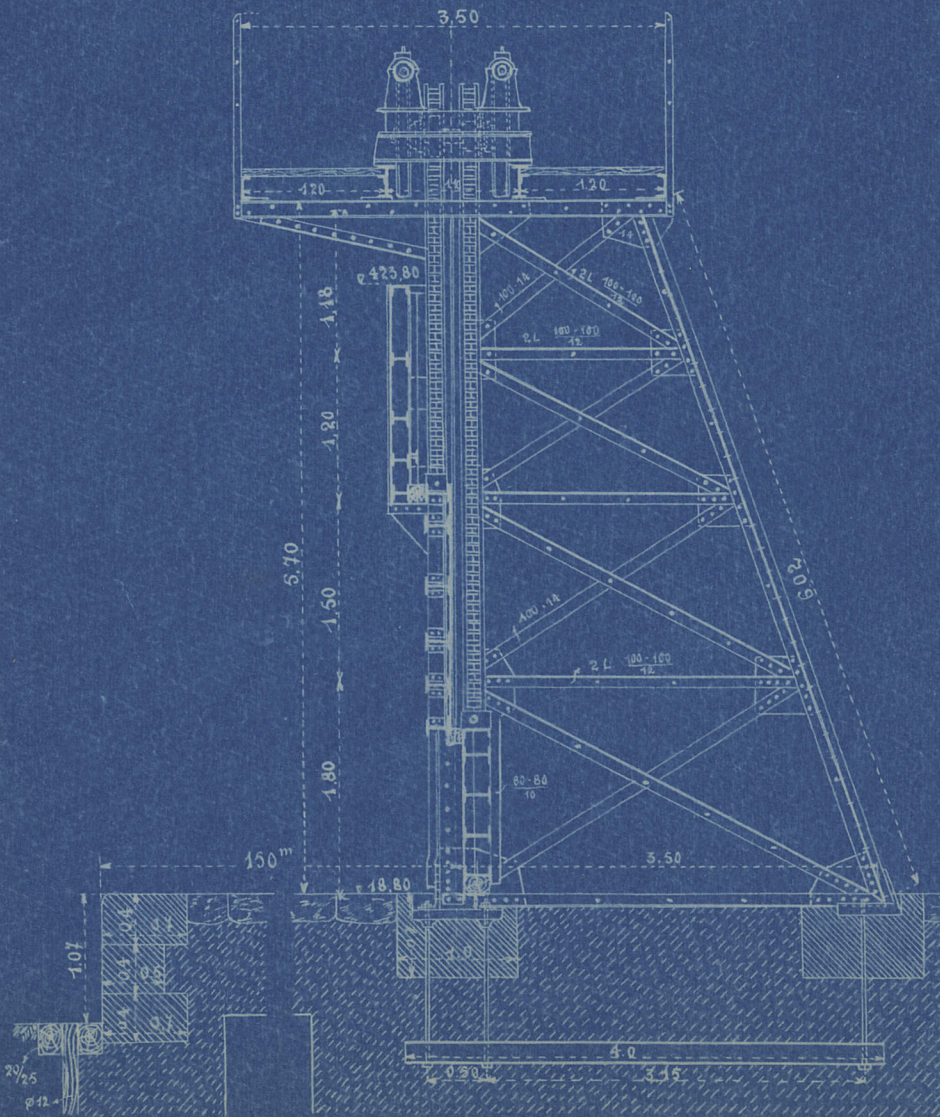


Fig. 3. Servette avec vannes divisées.



Grandes Tannes

Tannes à galets

Fig. 1. Coupe montrant l'appui et le dispositif d'étanchement.

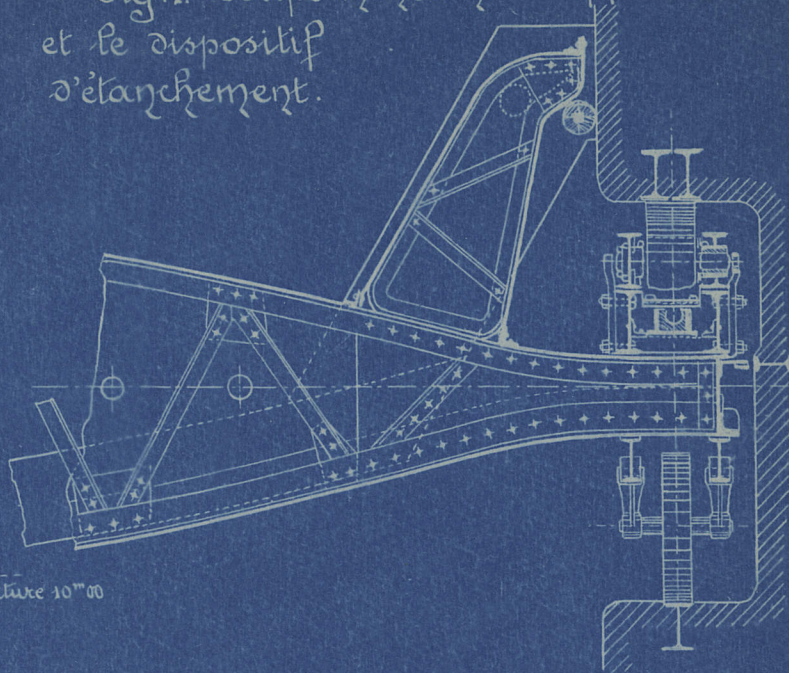
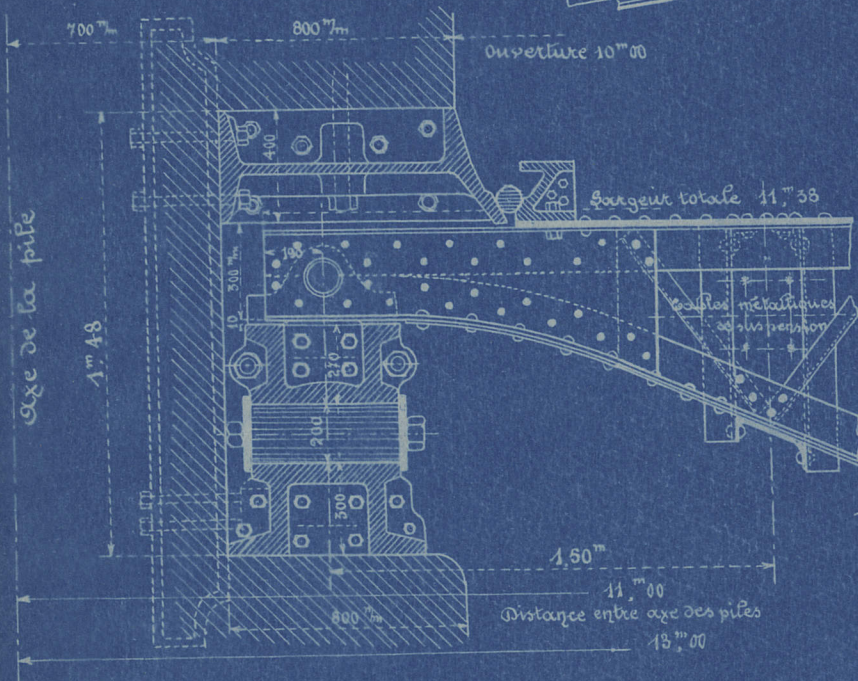
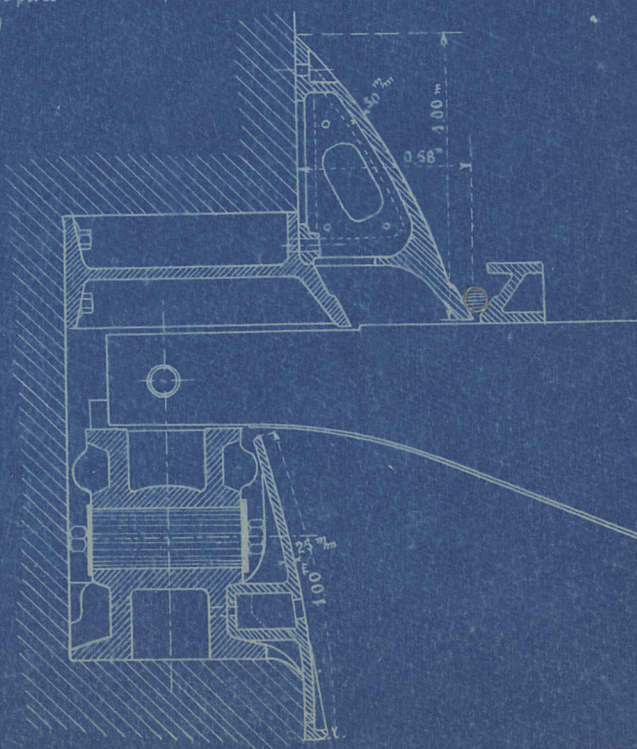
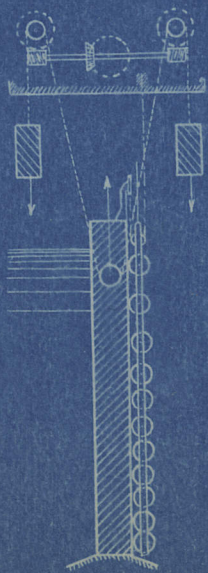


Fig. 2. Tanne Stoney de l'usine de Chères (Bohême)
a) Coupe près de l'appui



b) Boucliers de protection ajoutés après la construction.

Fig. 3. Principe des vannes Stoney.



Grandesannes

Fig. 1. Tanne du barrage de Hagnack sur l'Alar (Suisse)
b) Coupe horizontale.

a) Coupe verticale.

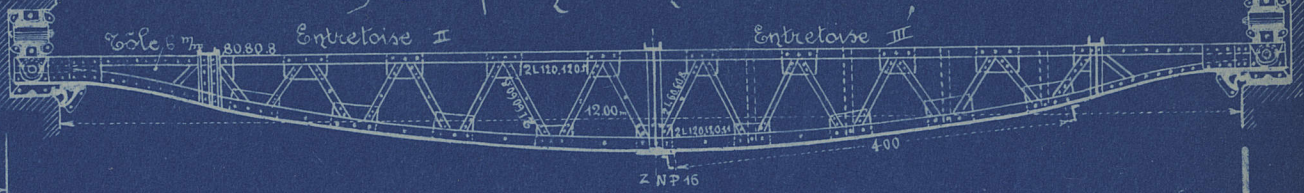
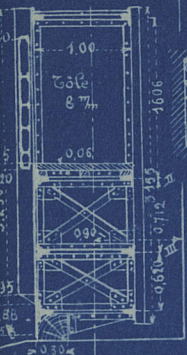
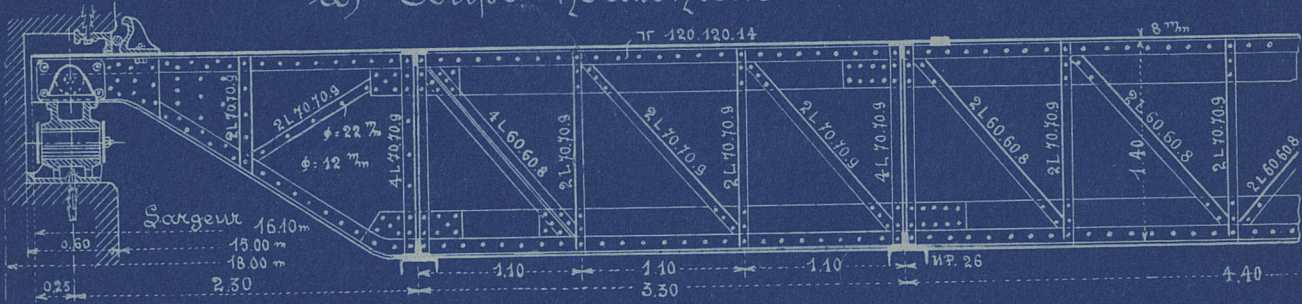


Fig. 2. Tanne du barrage de Bernau sur l'Alar (Suisse)
a) Coupe horizontale.



b) Coupe verticale

c) Coupe du barrage

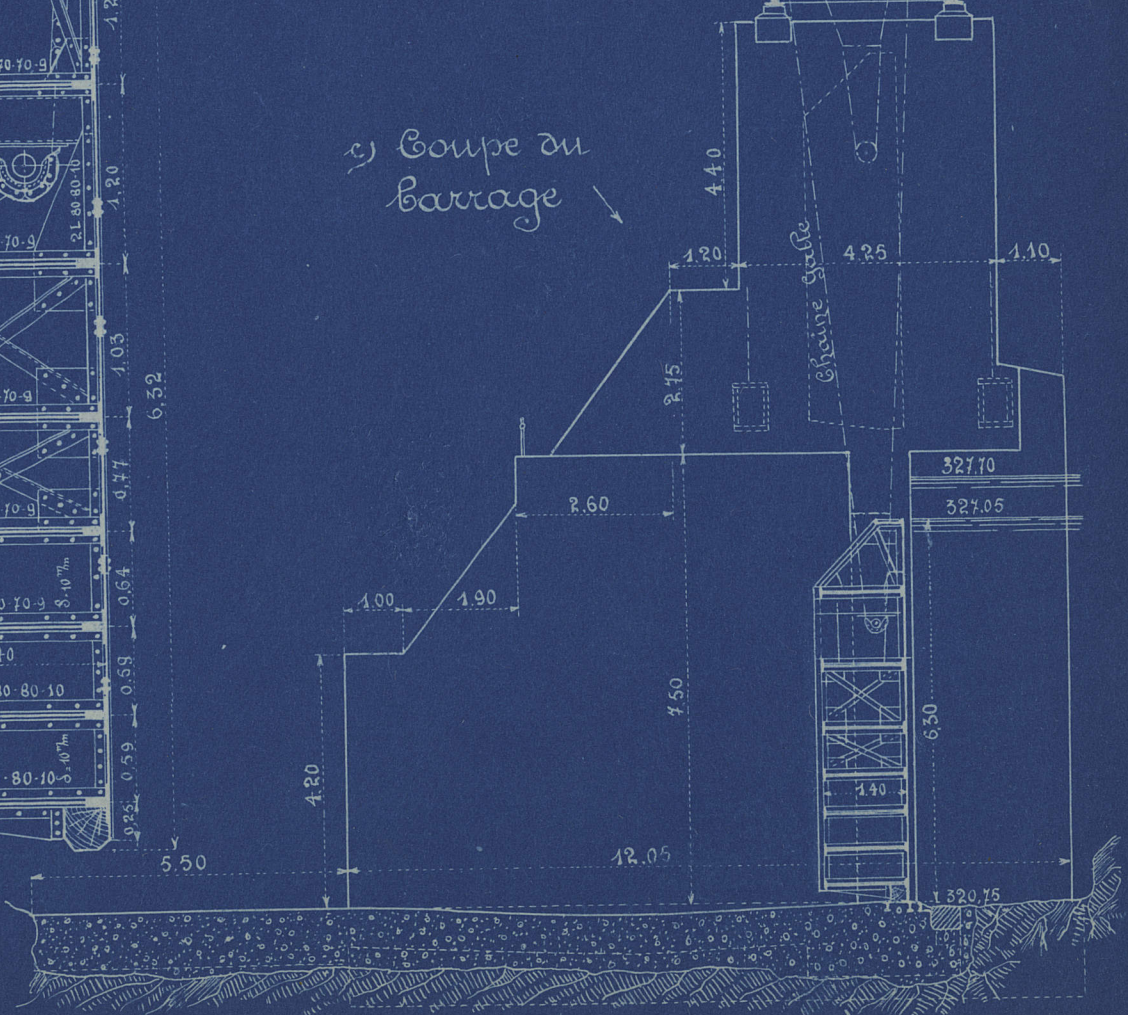
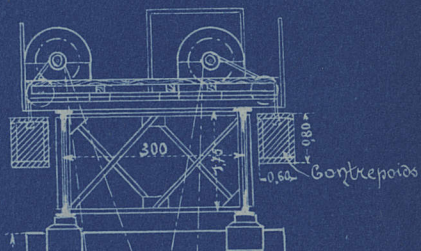
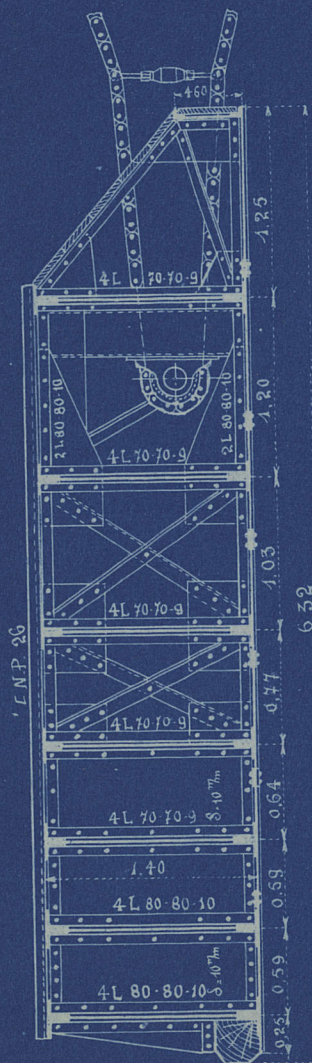


Fig. 1. Canne Stoney à rabattement.

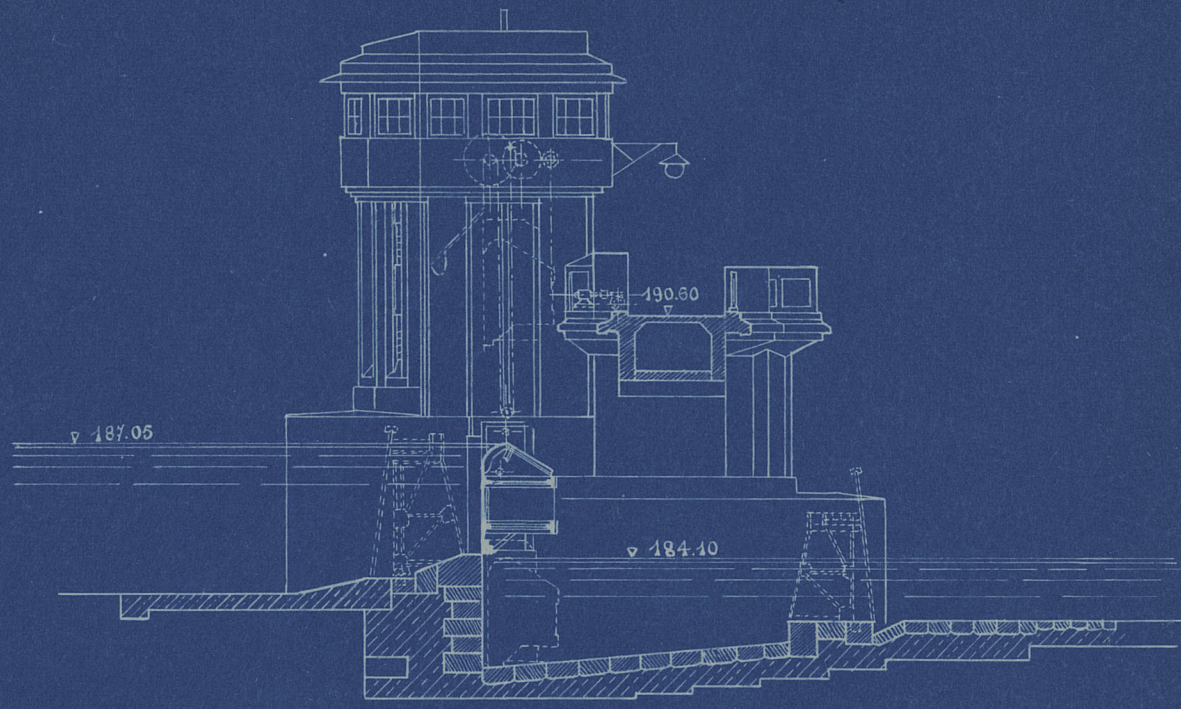
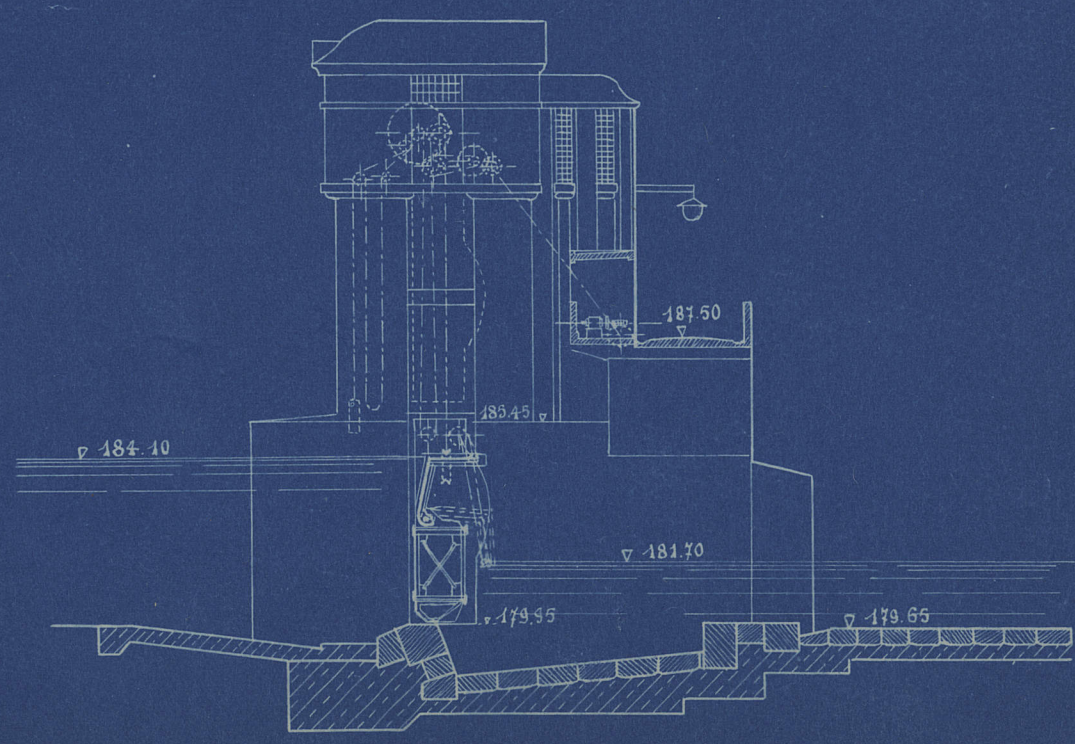


Fig. 2. Canne Stoney munie d'un clapet.

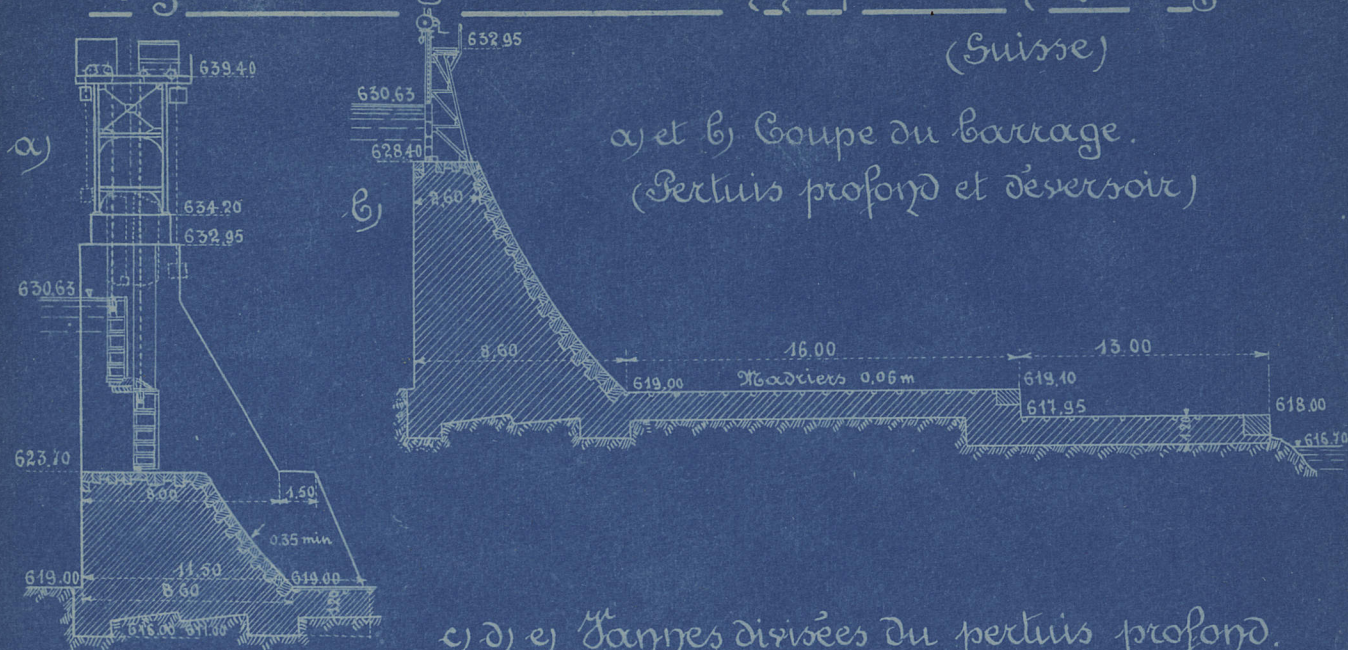


Grandes Tannes.

Fig. 1. Barrage sur la Simme près de Kandersteg

(Suisse)

a) et b) Coupe du barrage.
(Pertuis profond et déversoir)



c) d) e) Tannes divisées du pertuis profond.

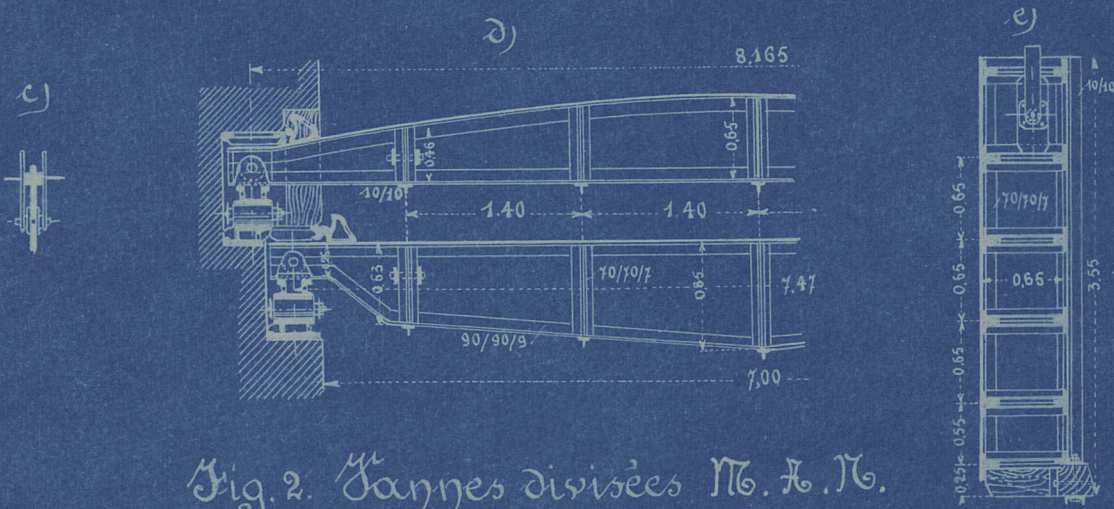
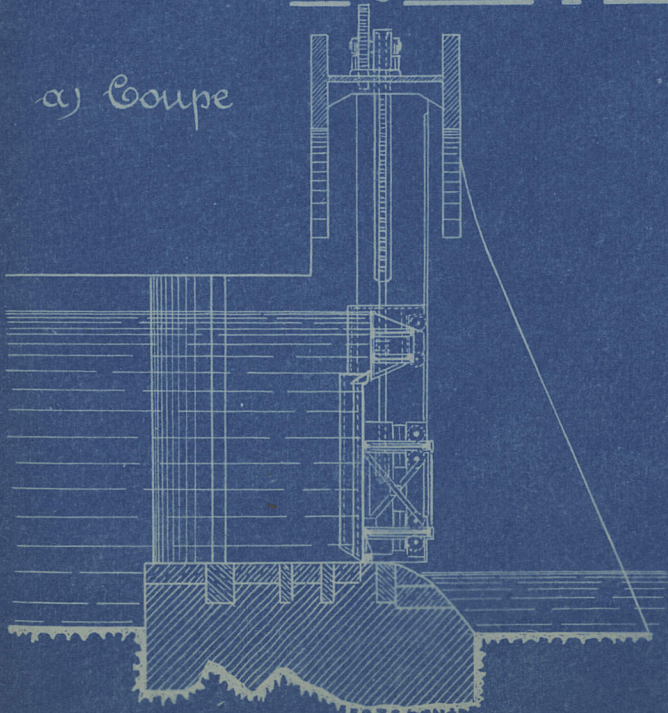
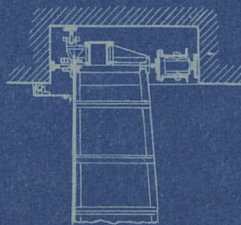


Fig. 2. Tannes divisées N.º. 16.

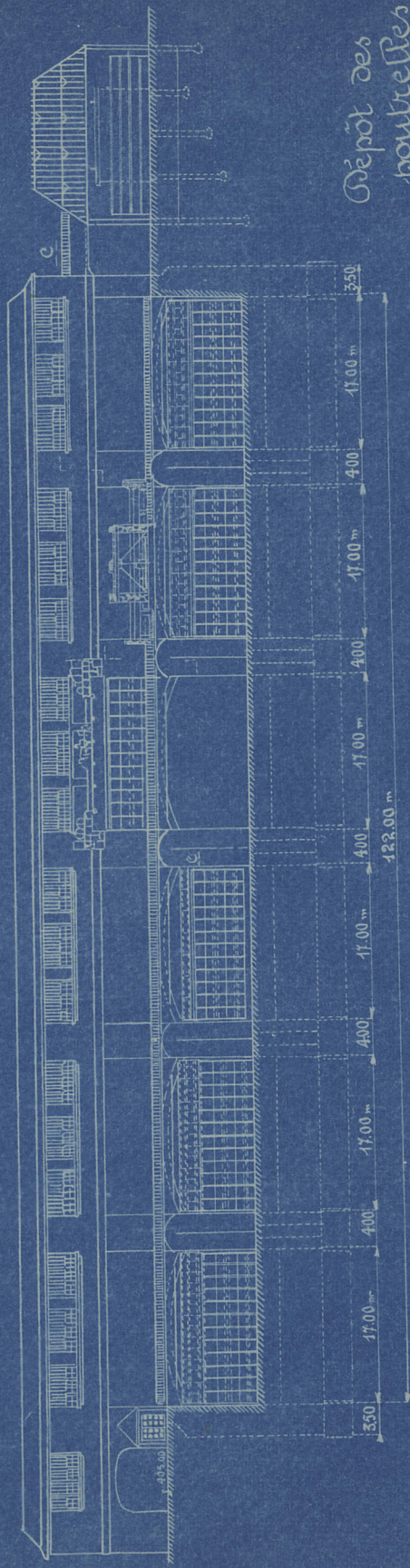
a) Coupe



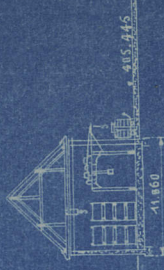
b) Appui



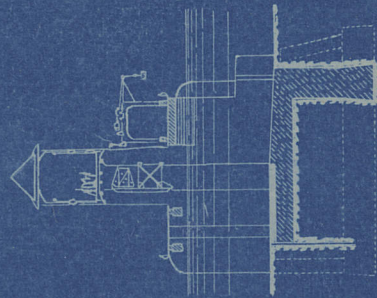
Dispositions d'ensemble
 du barage sur l'Inn à Jettenbach en Bavière (Allemagne)



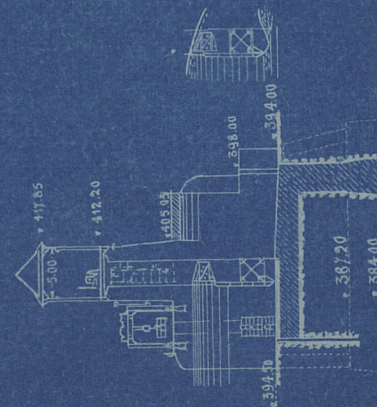
Dépôt des
poutrelles



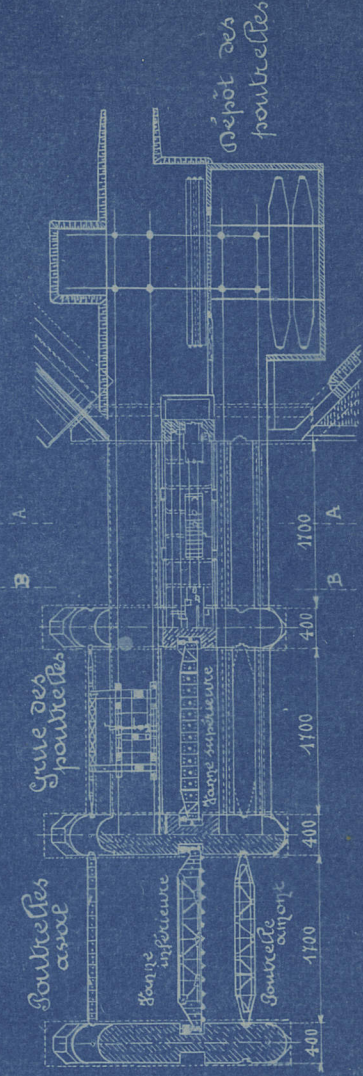
Coupe B-B



Coupe A-A



Coupe horizontale C-C



Grandes Dannes. Barrage du Haut Escout à Audenaerde.

Fig. 1. Fragment de coupe.

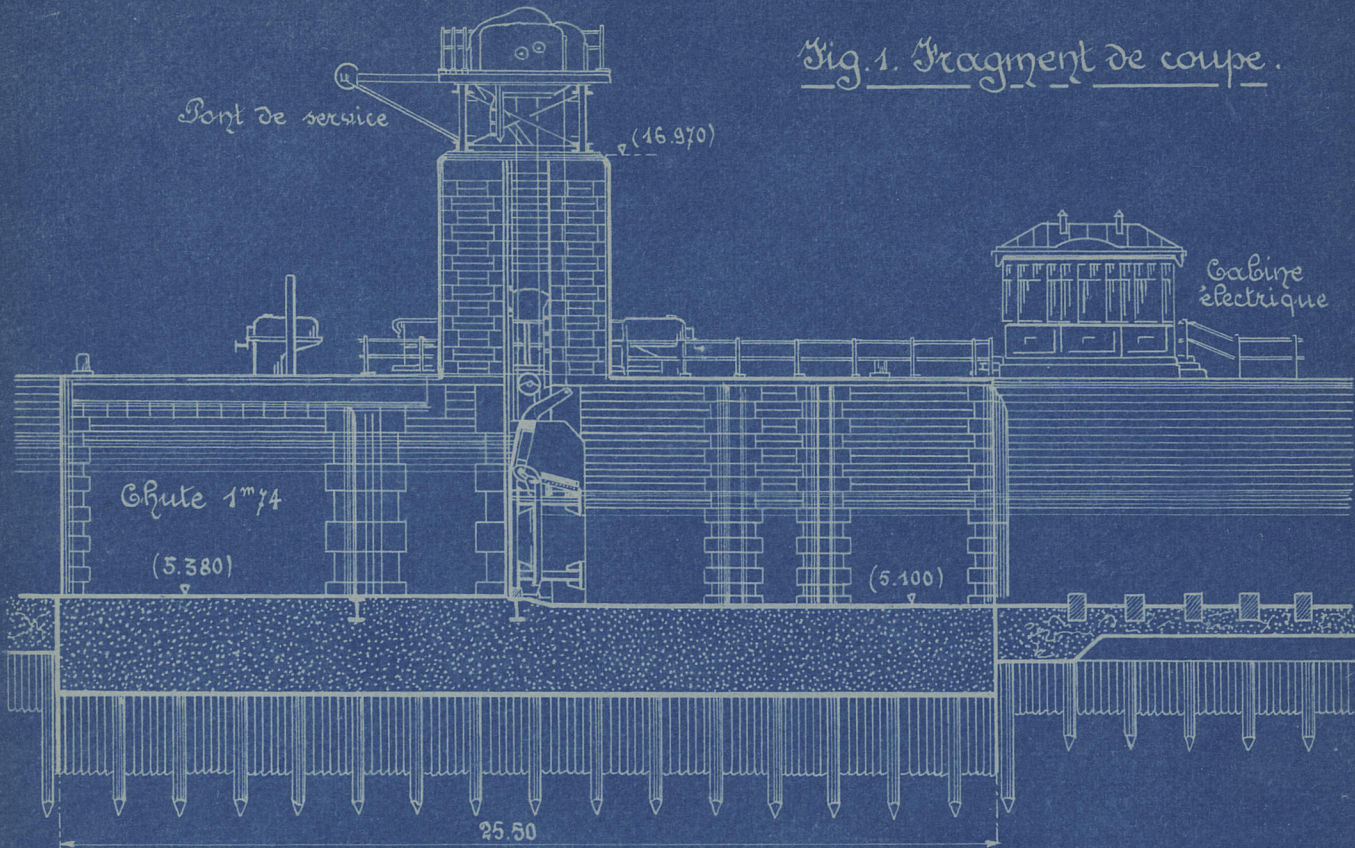


Fig. 2. Fragment de coupe.

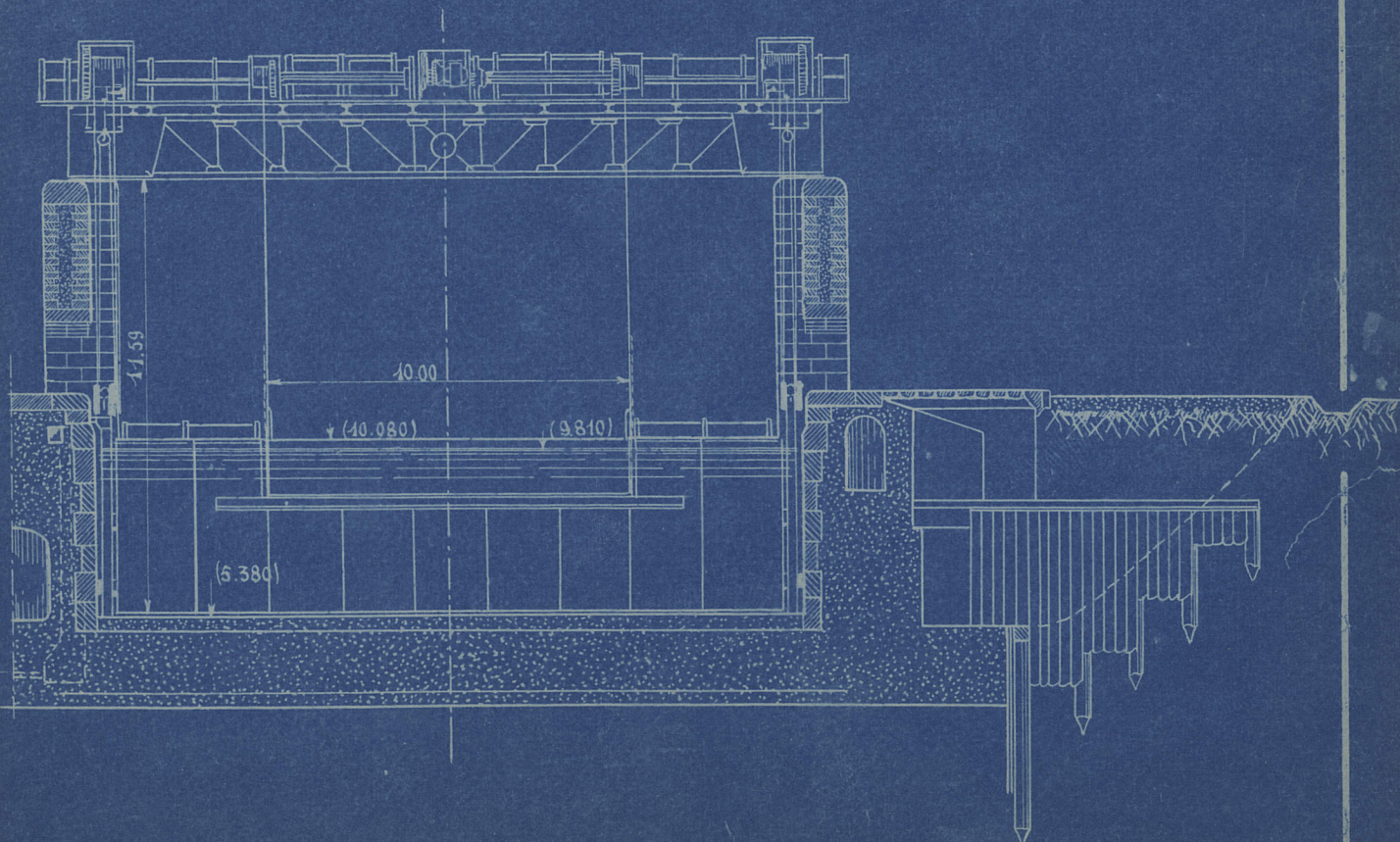


Fig. Barrage de la Sarre à Mettlach.

Coupe transversale.

Echelle: 1/500.

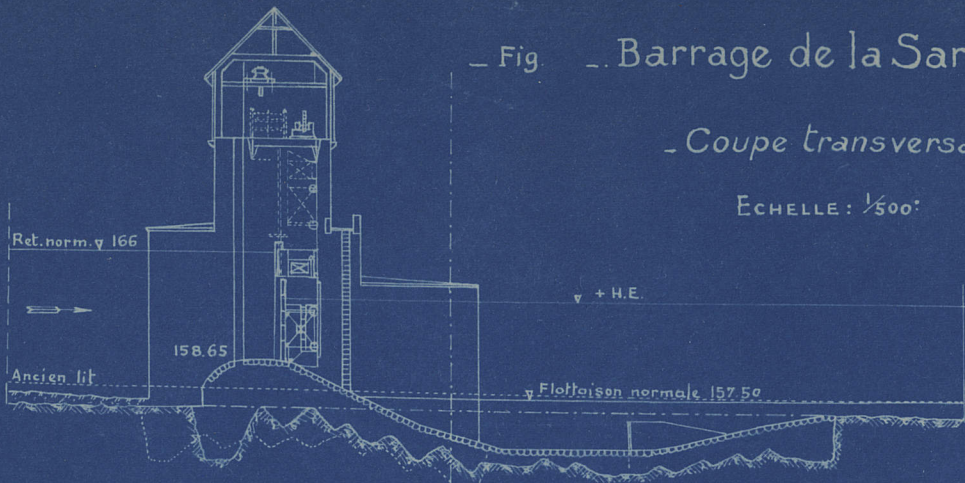


Fig. Barrage d'Assouan sur le Nil.

(APRÈS EXHAUSSEMENT).

Coupe en travers.

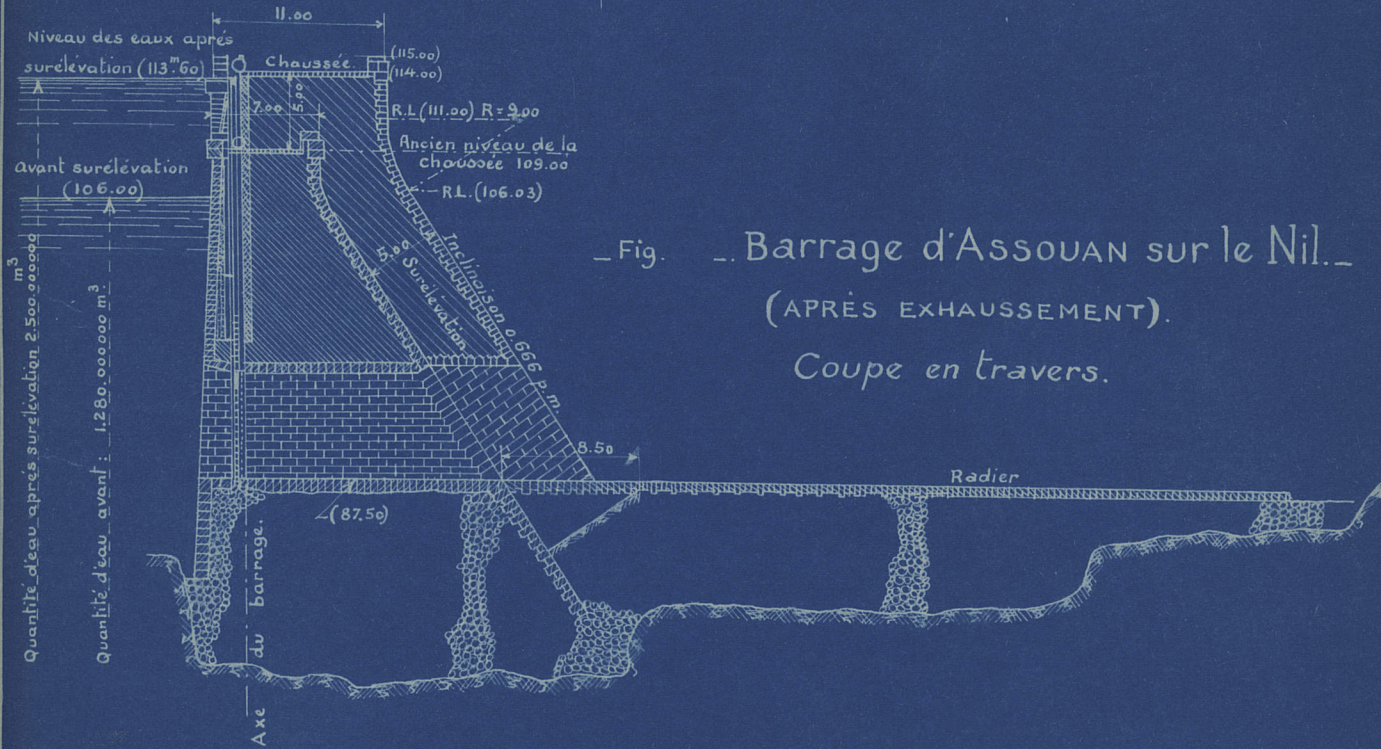


Fig. Barrage de Thénard. (sur l'Isle).

Fig. Barrage sur la Thur à Rykon (Suisse).

PETIT BARRAGE A HAUSSES MÉTALLIQUES.

AVEC ÉCHAPPEMENT A CHAÎNE.

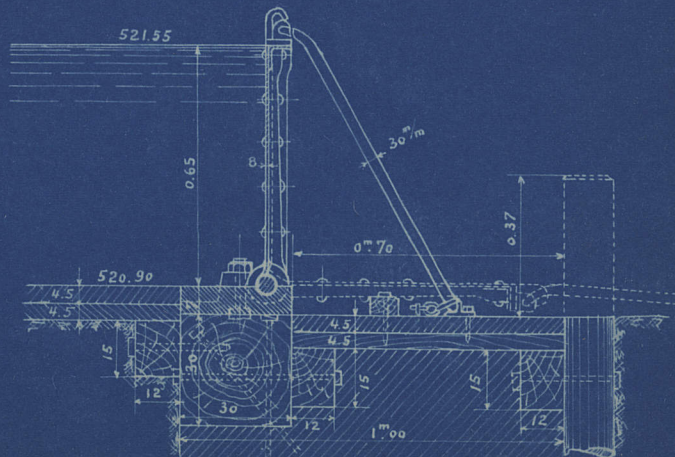
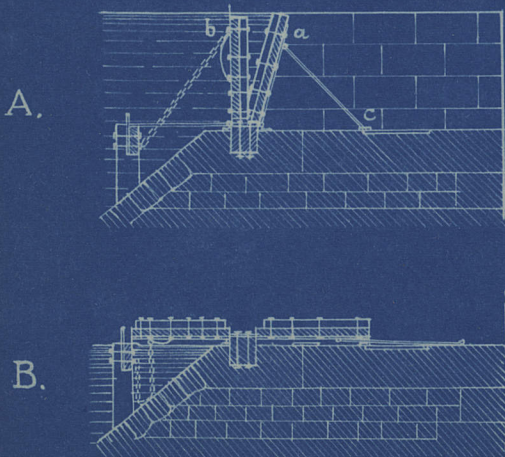


Fig. - Hausse automatique sur la Grafenauer Ohe.
à Elsentel (BAVIÈRE)

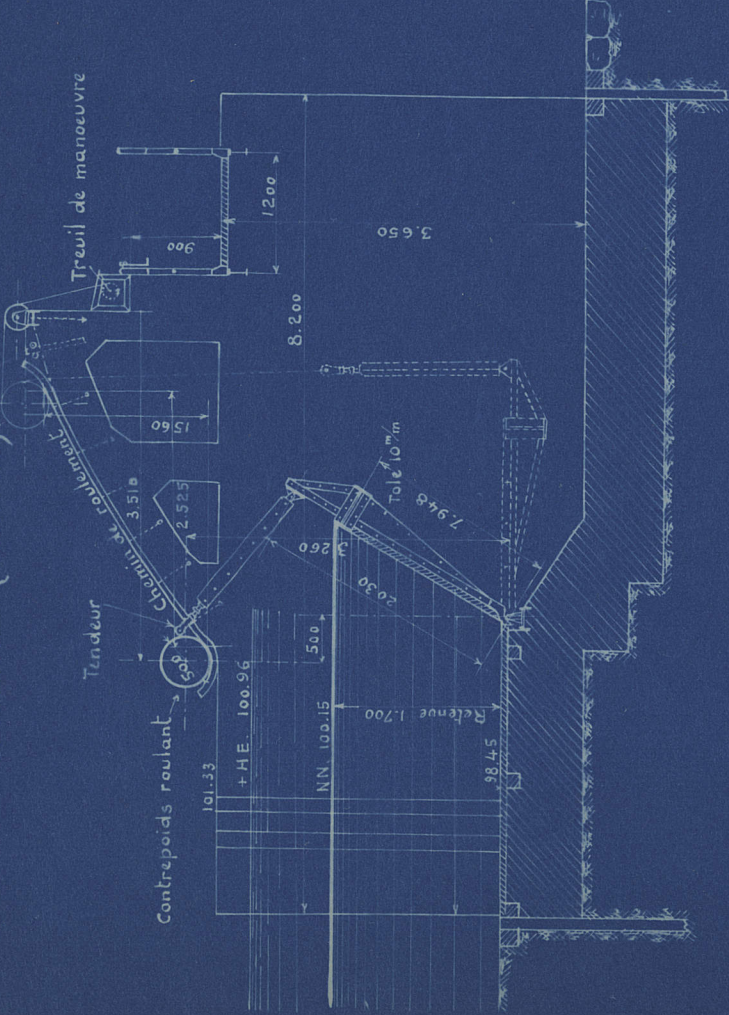


Fig. - Bear-trap type suisse.

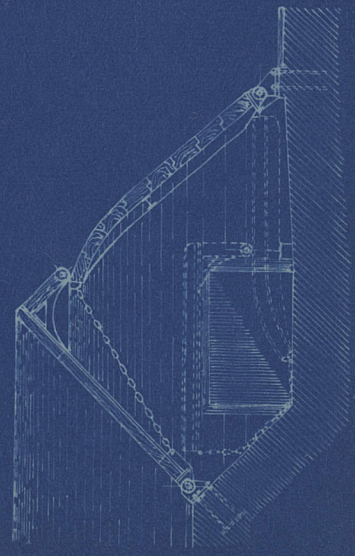


Fig. - Bear-trap dans la rivière Alleghany.-

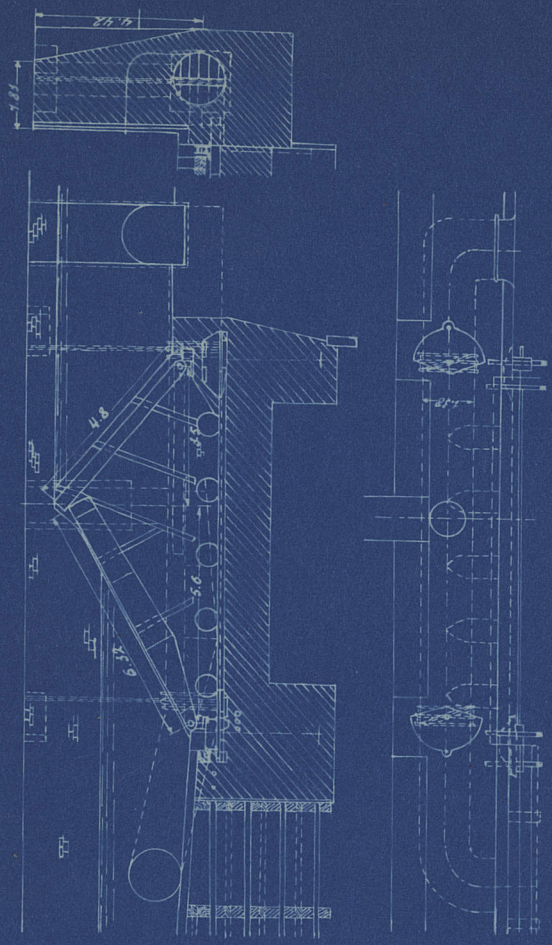


Fig. Barrage à hausses sur la Limmat
près de Zurich.

Fig. - Déversoir automatique
à réglage à main.

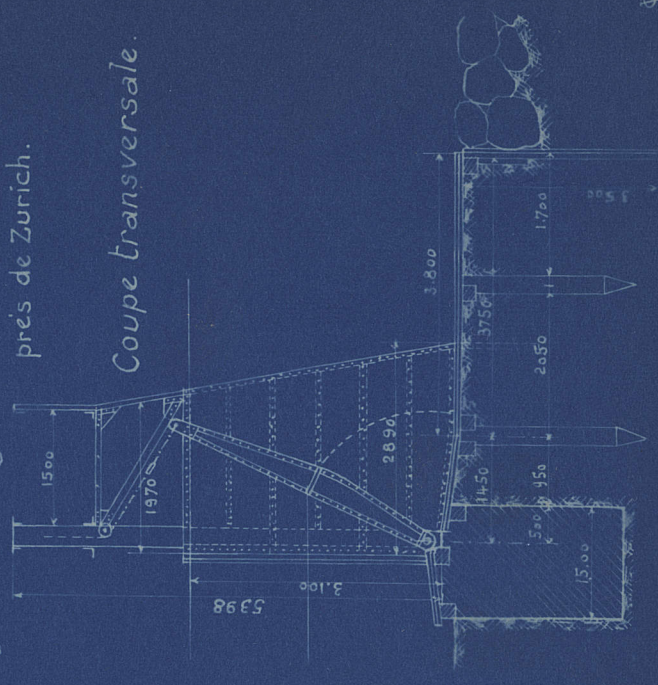
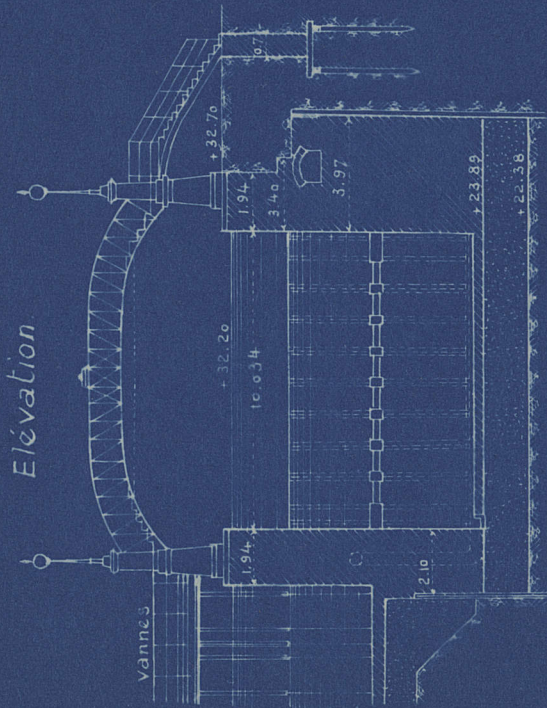
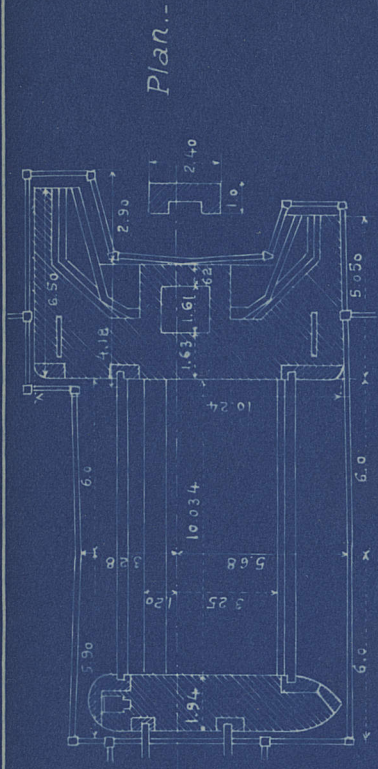
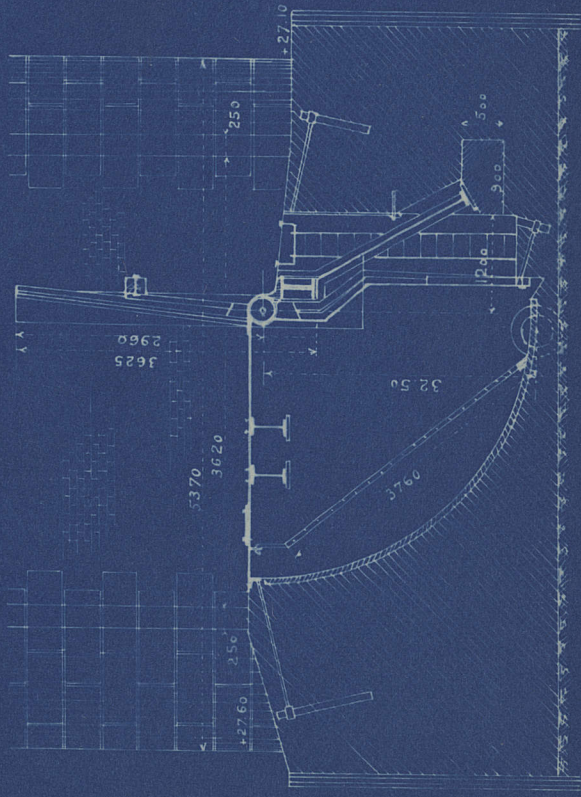


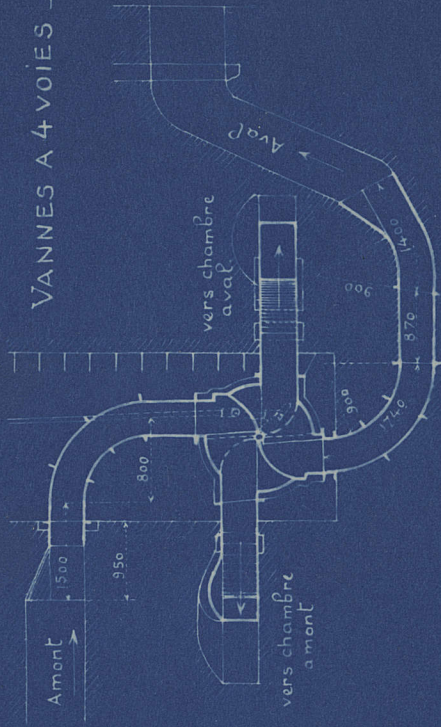
Fig. - Barrage à tambour de Charlottenbourg.
sur la Sprée.



Coupe transversale



VANNES A 4 VOIES - Coupe ABCD.



VANNE A 4 VOIES - Plan

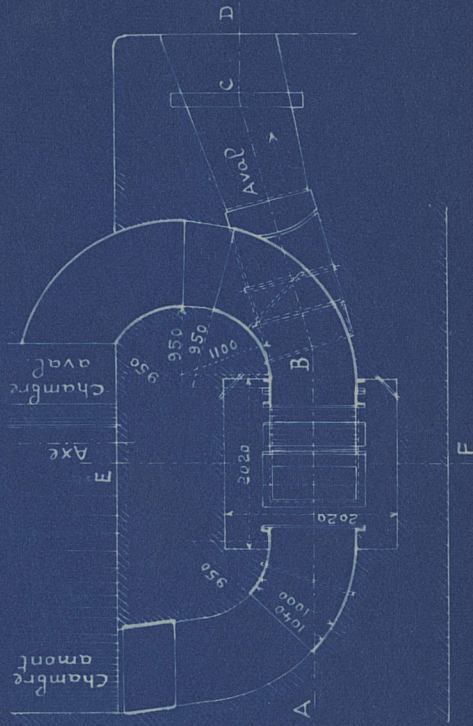
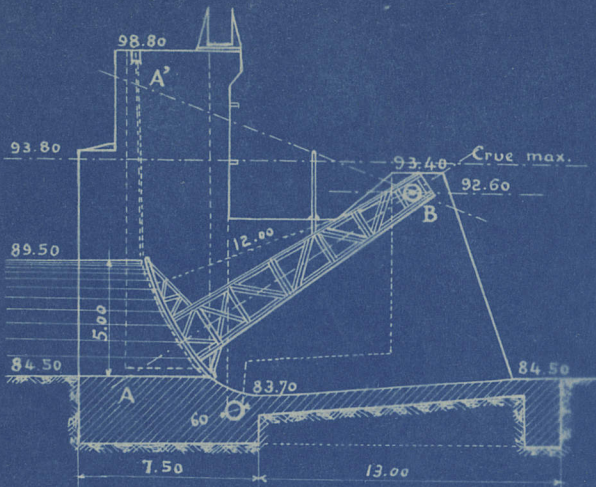


Fig. -- Barrages automatiques à flotteurs -- Projet pour la Garonne inférieure. --

I. -- Coupe transversale aa.



II. -- Coupe transversale bb.

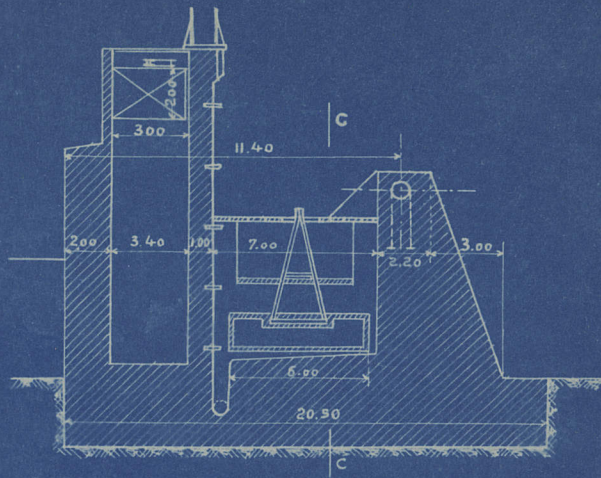
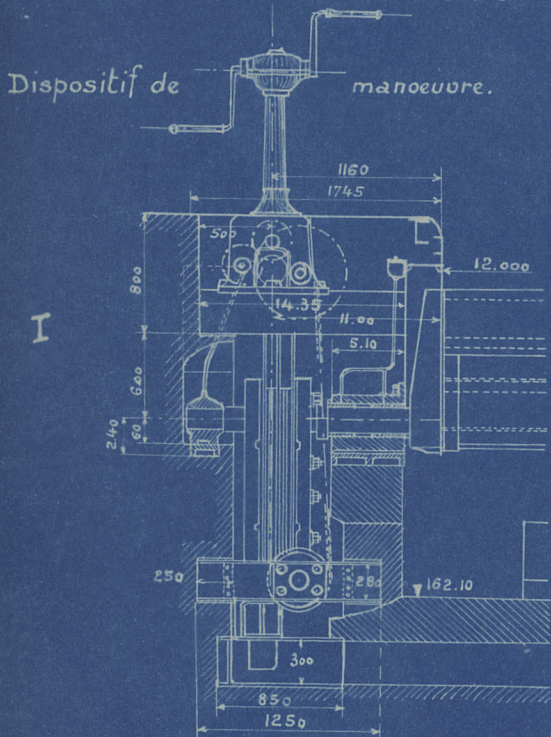


Fig. -- Barr. de Wegstädtl sur la Moldau

VANNE "PRASIL" A SEGMENT BAISSANT.



II. -- Coupe longitudinale cc.

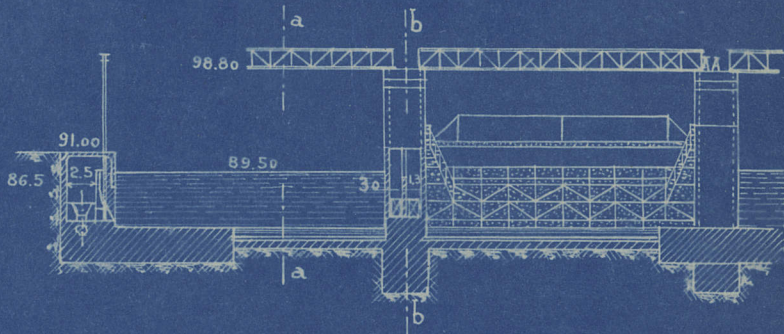


Fig. Barrage automatique à contrepoids.

Coupe transversale du barrage de Tresp. (ESPAGNE).

coupe transversale de la vanne.

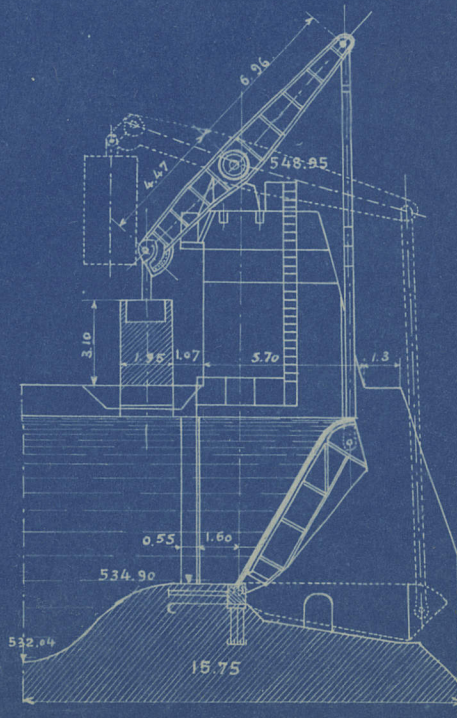
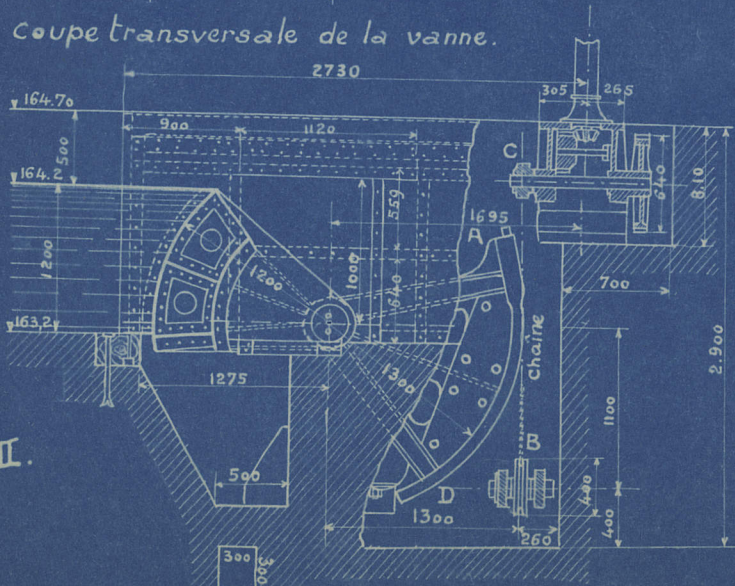


Fig. Barrage-déversoir à hausse Chanoine dans la Meuse Belge.

Coupe transversale.

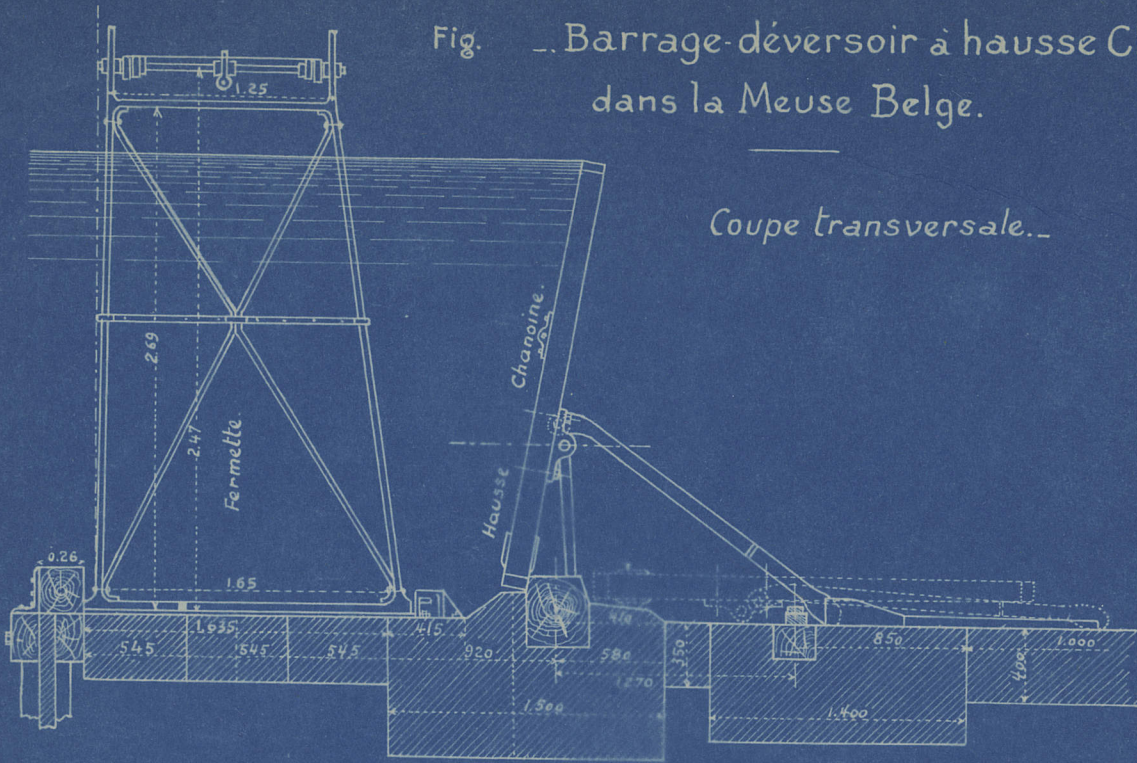


Fig. Barrage à hausse Bezner à tige et câble de manoeuvre.

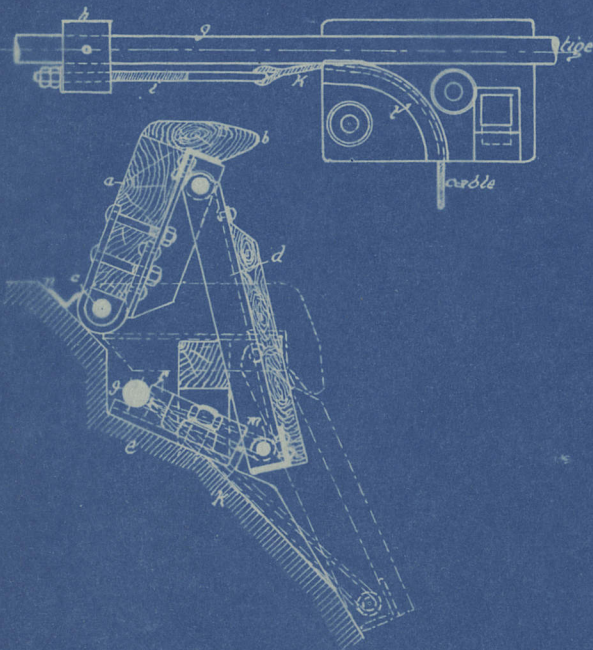


Fig. Glissière Pasqueau à deux crans.

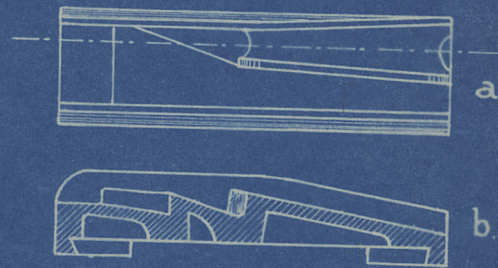


Fig. Barrage de la Mulatière au confluent de la Saône et du Rhône à Lyon.

Système Pasqueau.

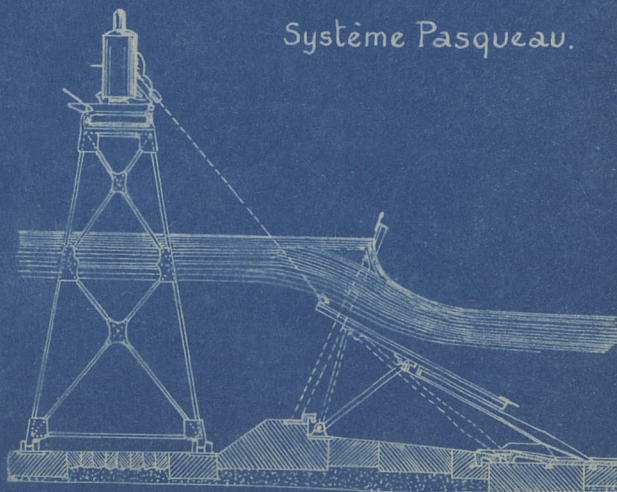


Fig. Glissière Chanoine avec barre à talon.

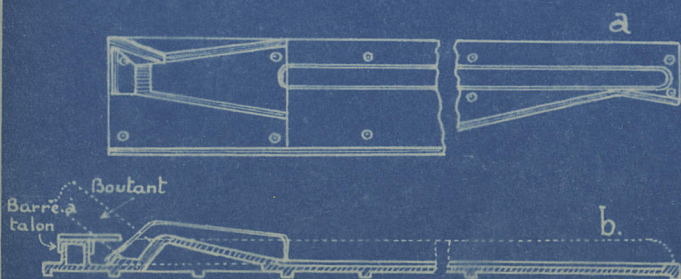
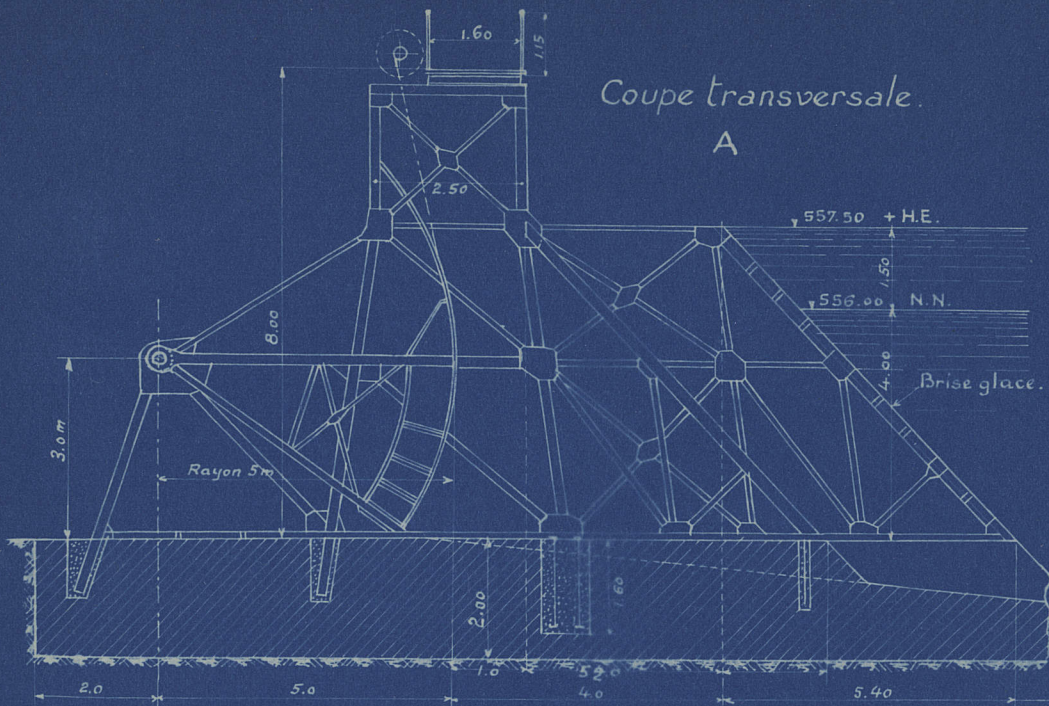
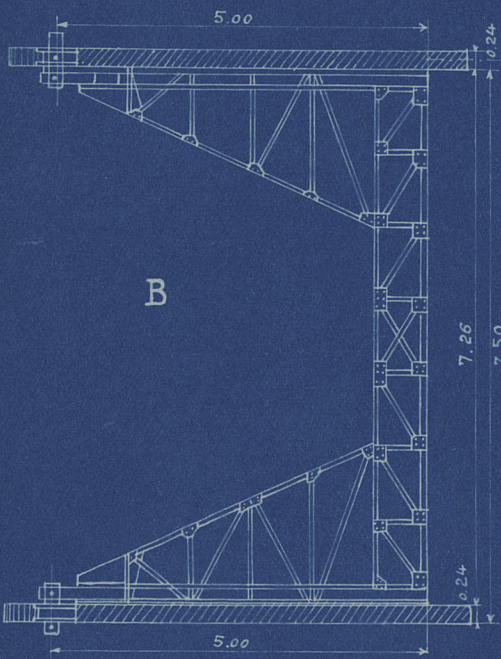


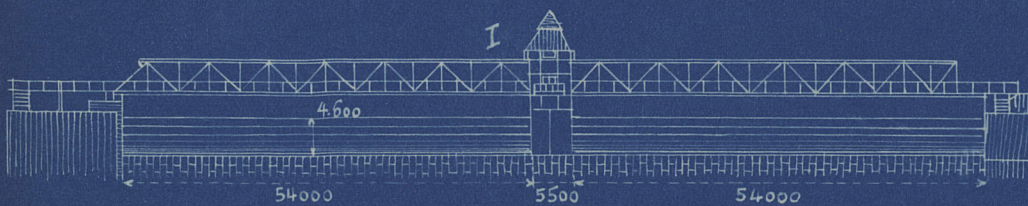
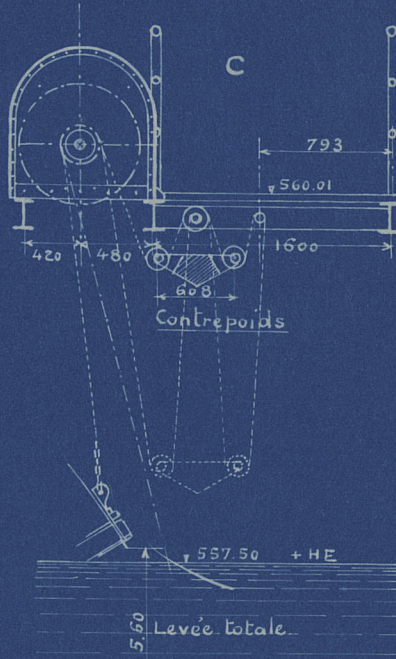
Fig. ... Barrage sur la Sarine près de Fribourg (Suisse).



Plan de la vanne.



Dispositif de manoeuvre.



D... Etanchéité.

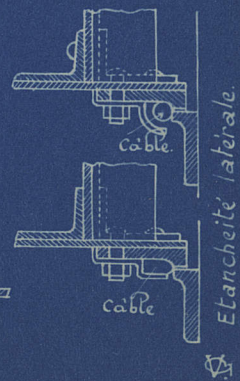


Fig. ... Barrage à secteur sur le Wésér à Brême.

Elevation et coupe.

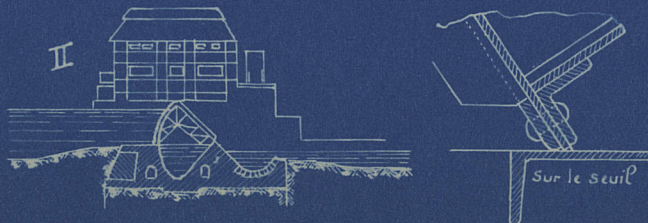
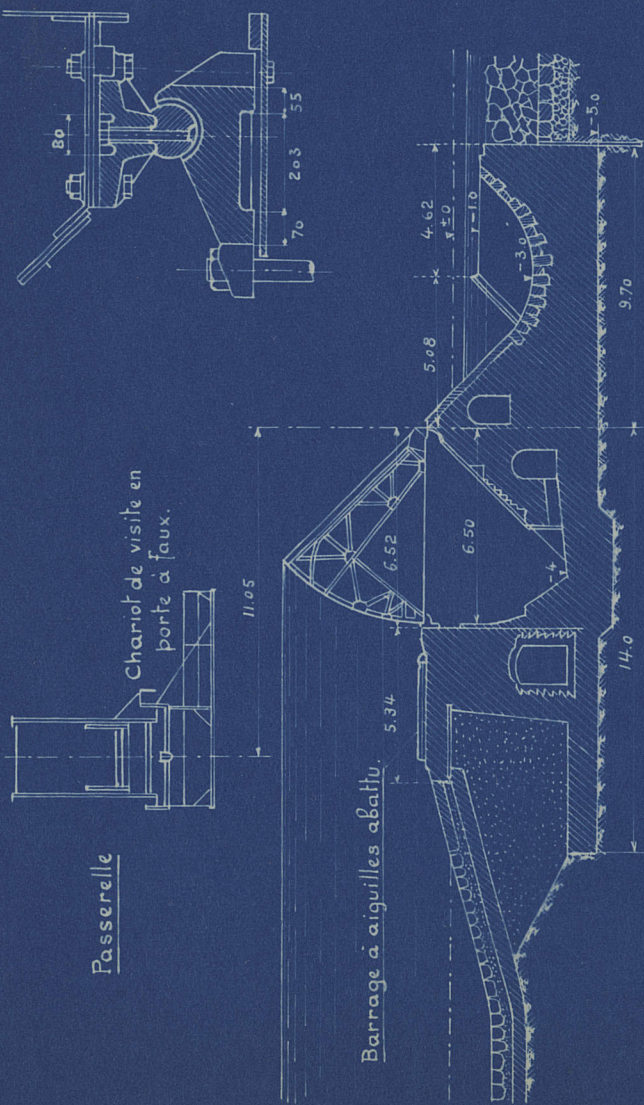
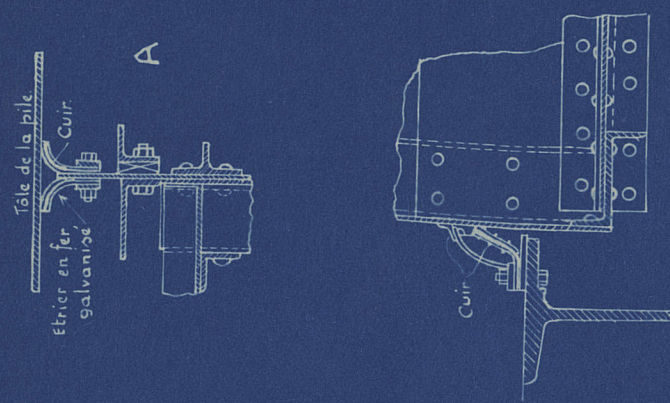


Fig. - Barrage à secteur sur le Wésér à Brême.

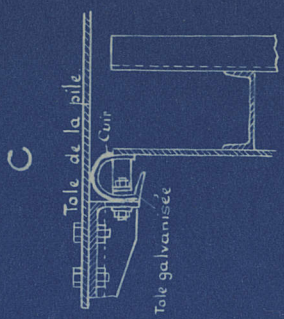
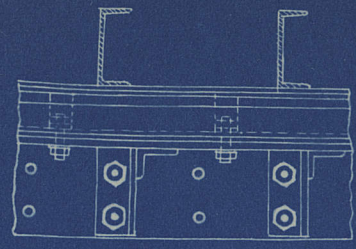
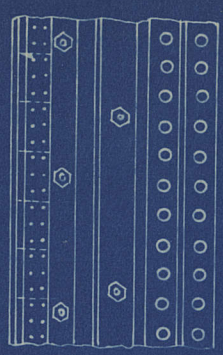
1. Coupe transversale.



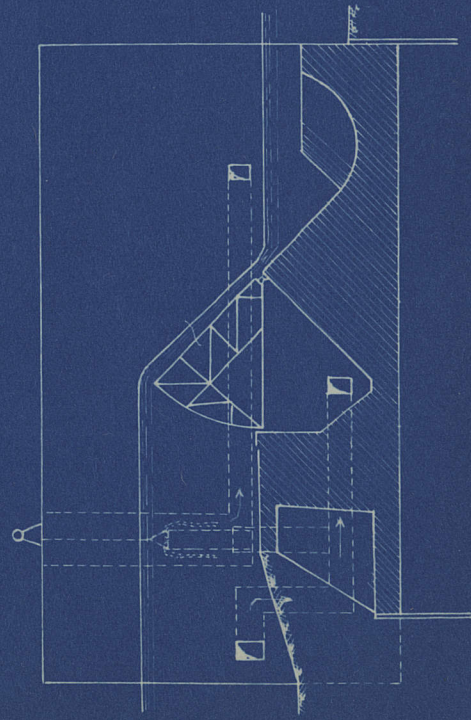
2. Coupe de l'axe continu.



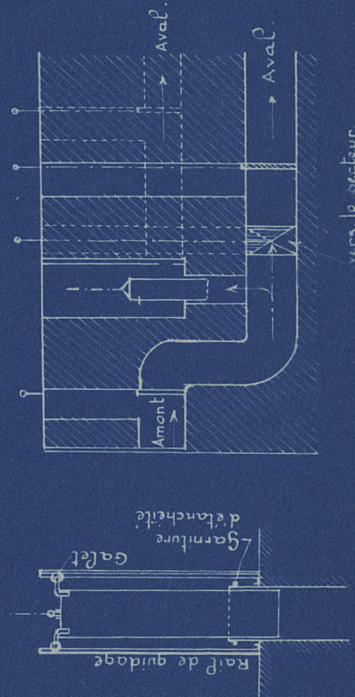
3. Dispositifs d'étanchéité.

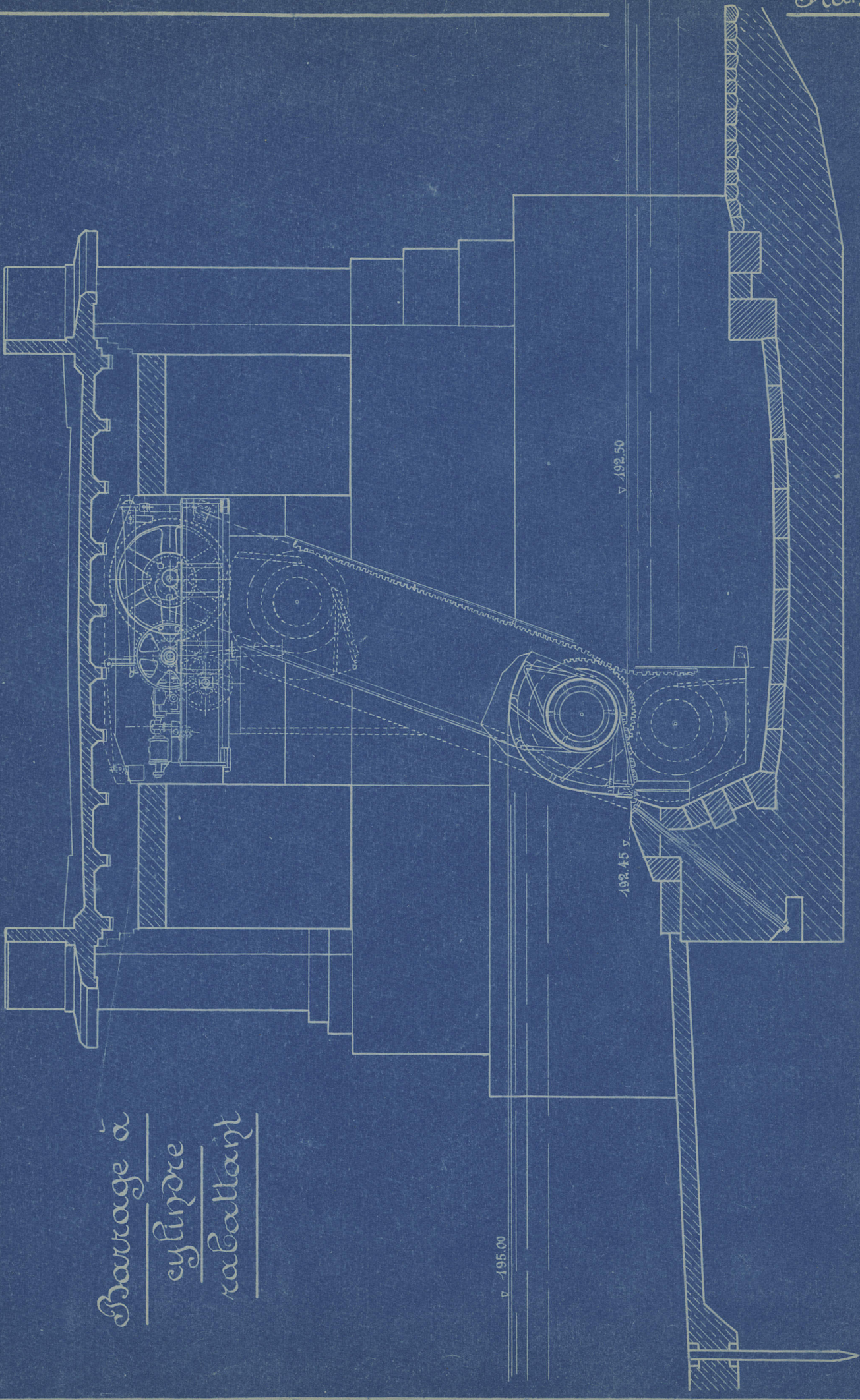


4. Principe de manoeuvre.



5. Détails de la vanne et des aqueducs.





Sarrage à
cylindre
rabattant

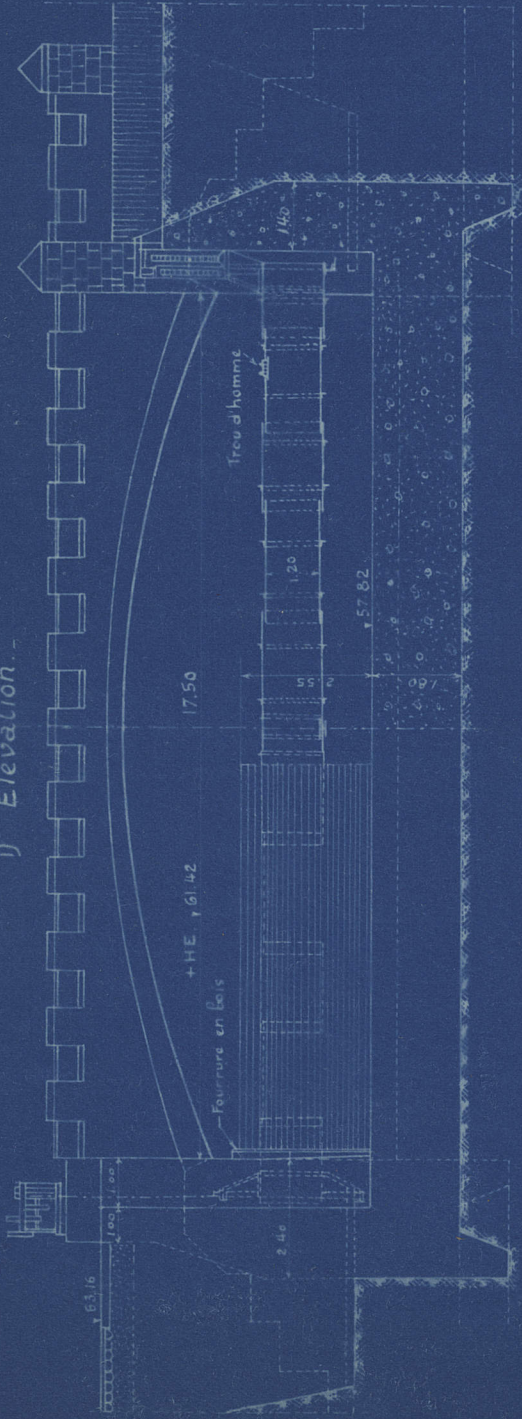
195.00

192.45

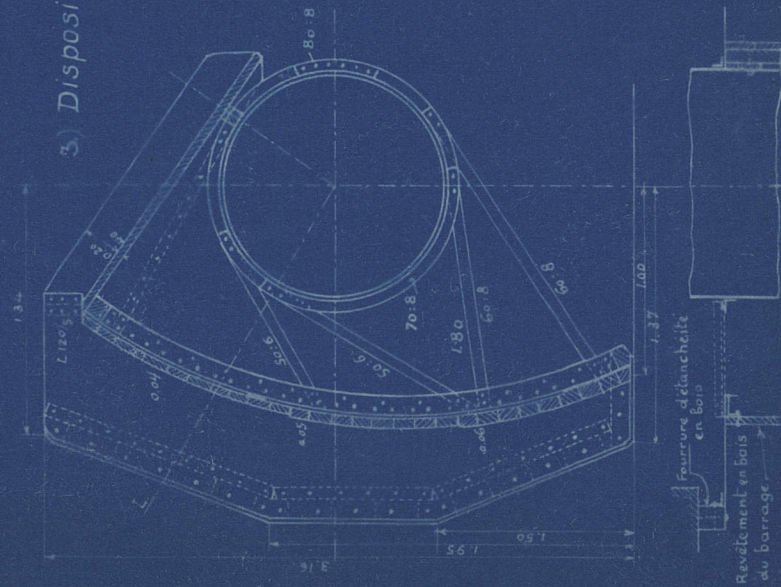
192.50

Fig. - Barrage sur la Bode près de Neugattersleben.

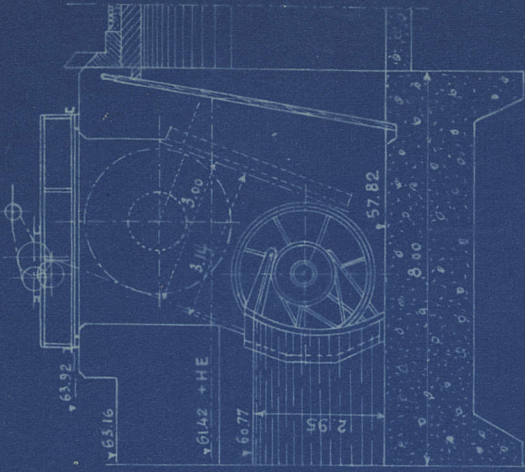
1) Elevation.



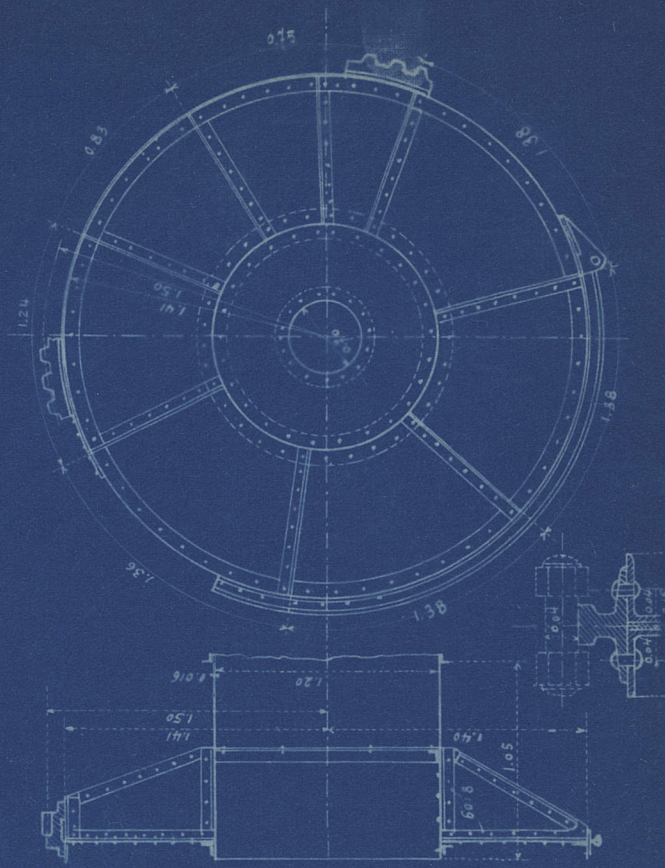
3) Dispositif d'étanchéité.



2) Coupe transversale.

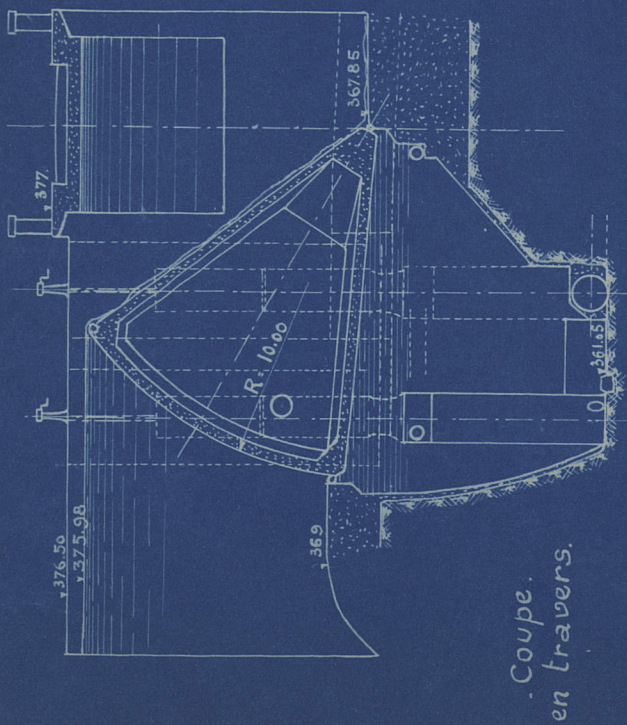


4) Roue d'extrémité côté moteur.

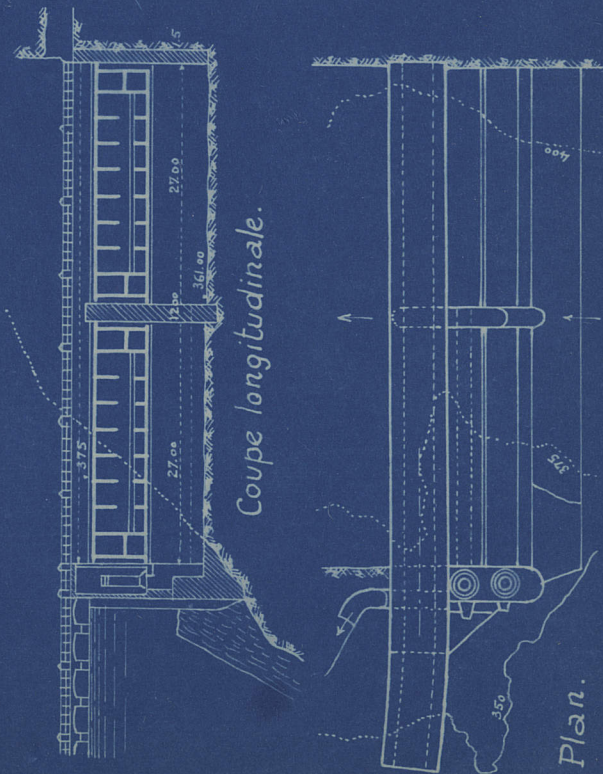


58

Fig. Barrage déversoir à secteur automatique en béton armé de Camarasa (ESPAGNE).



Coupe en travers.

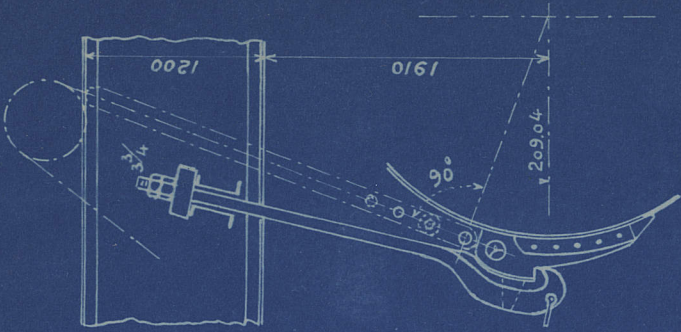
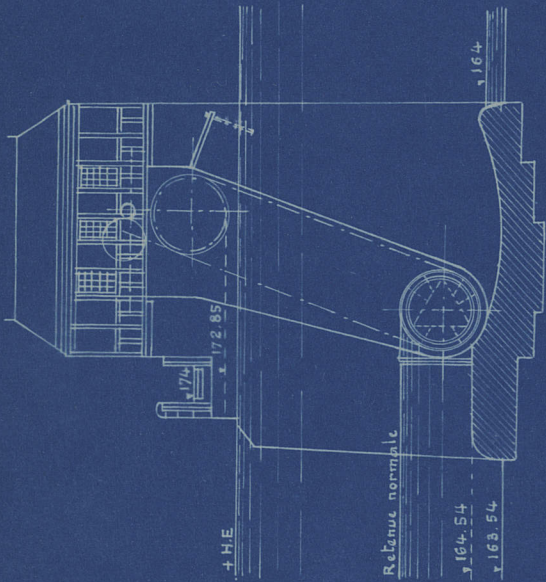


Coupe longitudinale.

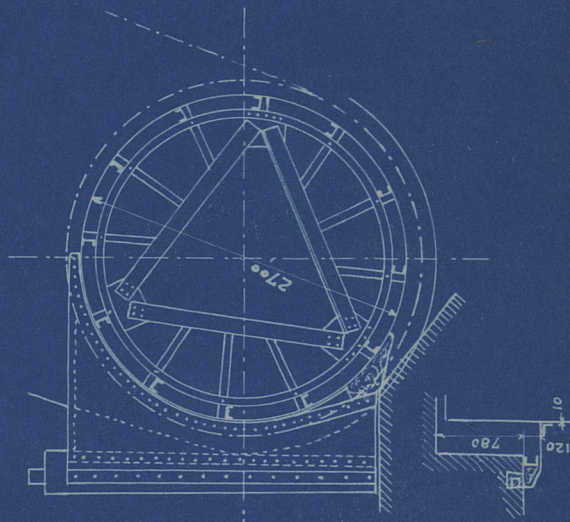
Plan.

Fig.- Barrage sur le Neckar à Neckarwestheim

- 1) Coupe transversale.
- 2) Accrochage en position levée.



3)- Section et garniture d'étanchéité



4). Attache de la chaîne.

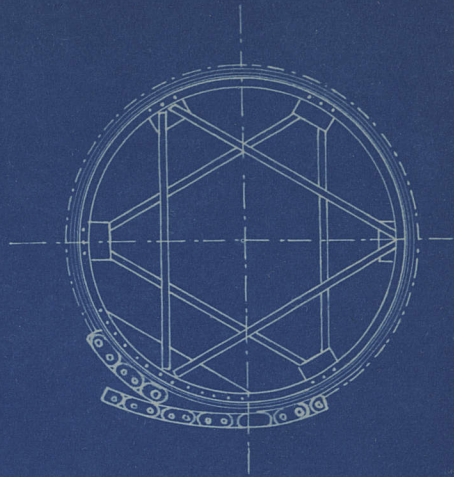


Fig. Barrage sur la Bode près de Neugattersleben.

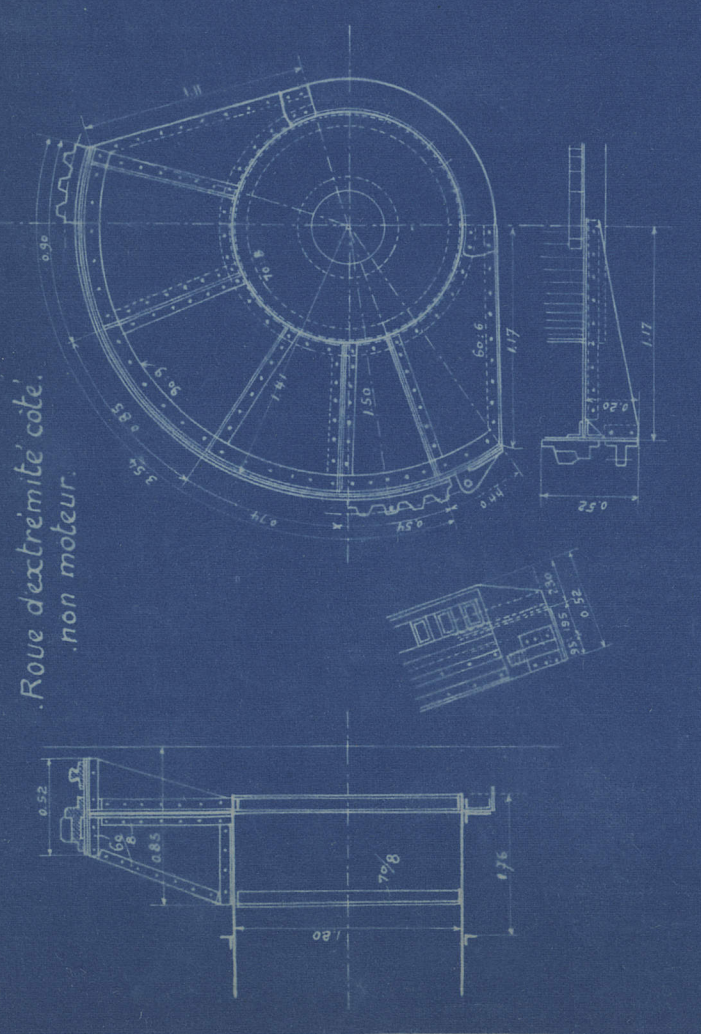


Fig. Barrage de la centrale électrique de Forshuvudforsen sur la rivière Dalälven. SUÈDE.

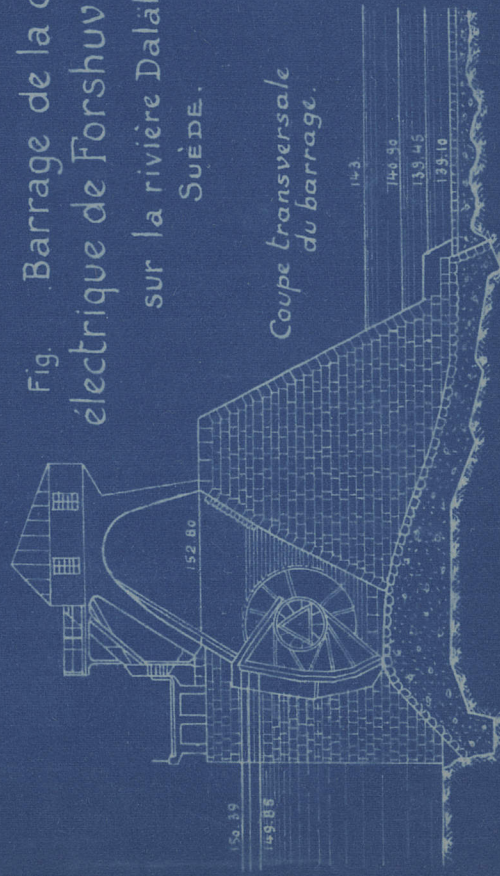
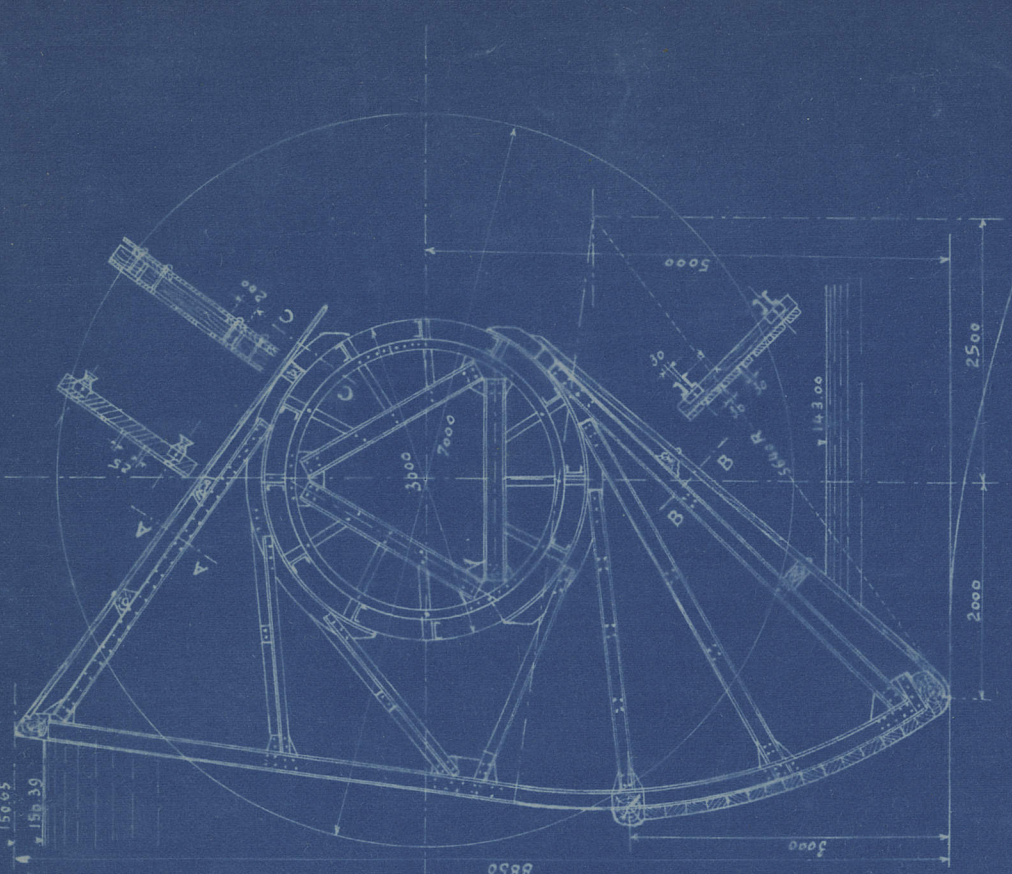


Fig. Barrage à aiguilles de la Meuse belge.



Echappement Kummer.



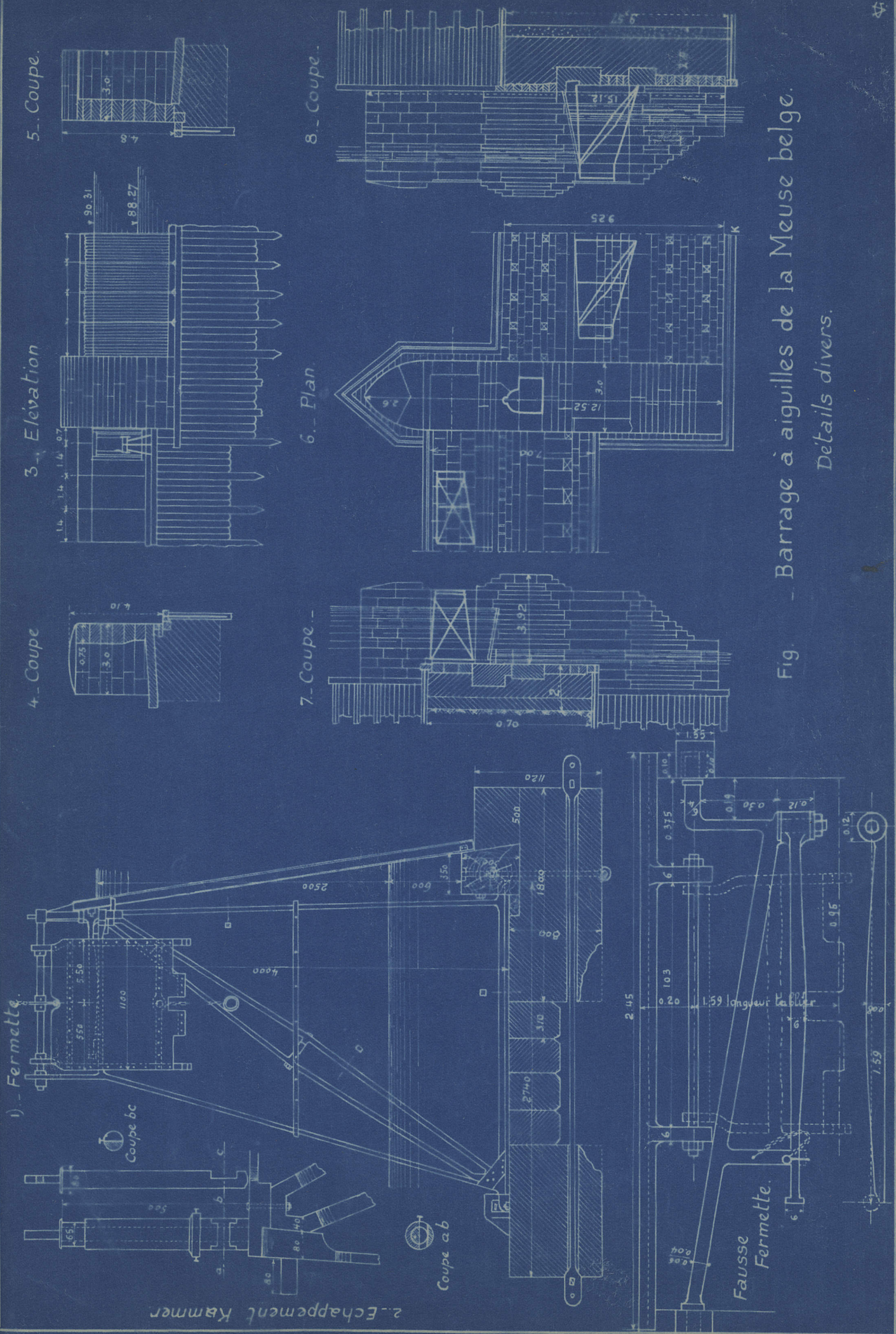


Fig. - Barrage à aiguilles de la Meuse belge.
Details divers.

5

CRIC POUR LA MANOEUVRE DES VANNES DE DÉVERSOIRS.

Fig.

..Ensemble de l'appareil..

ECHELLE : 1/10^e

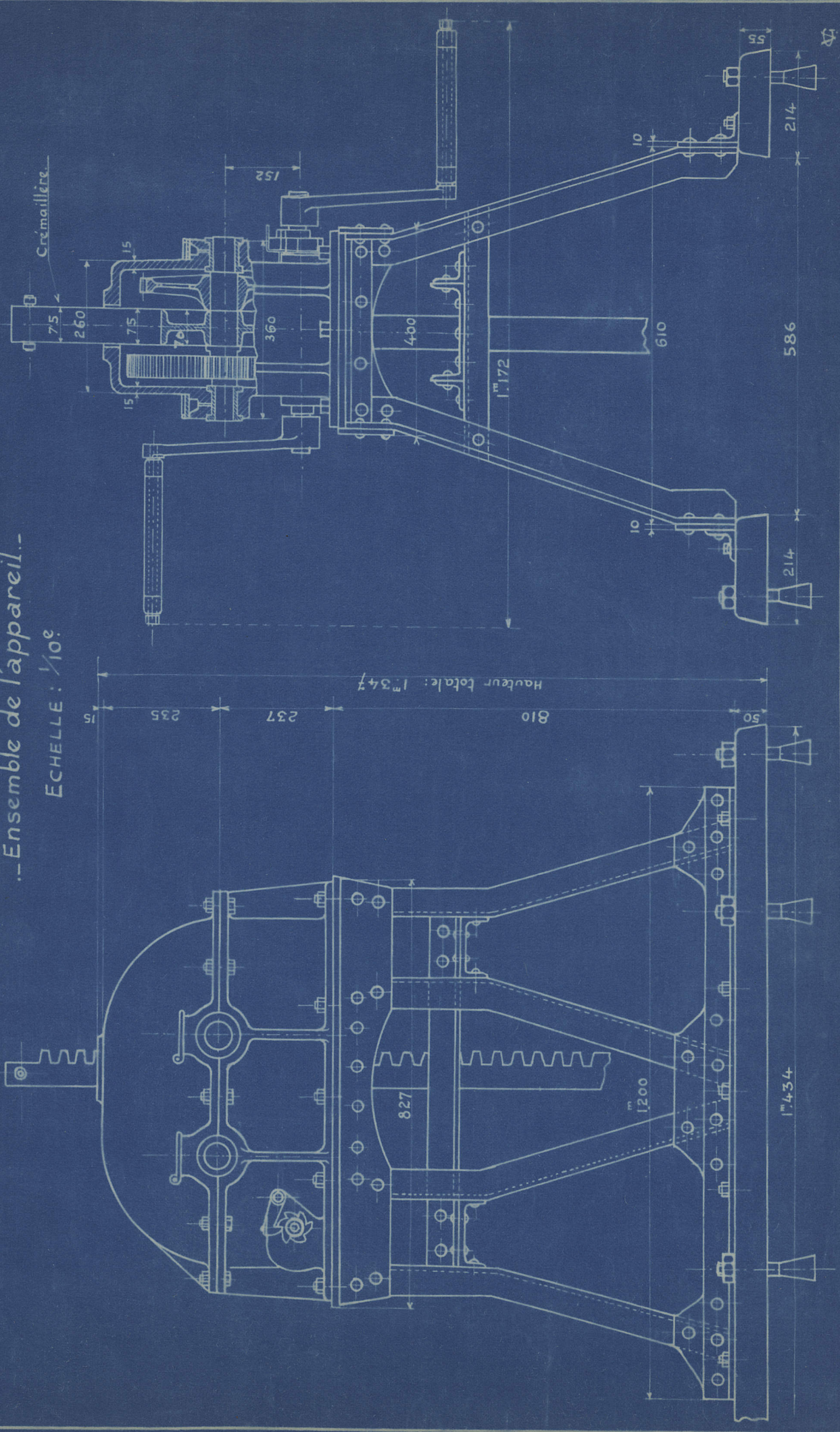


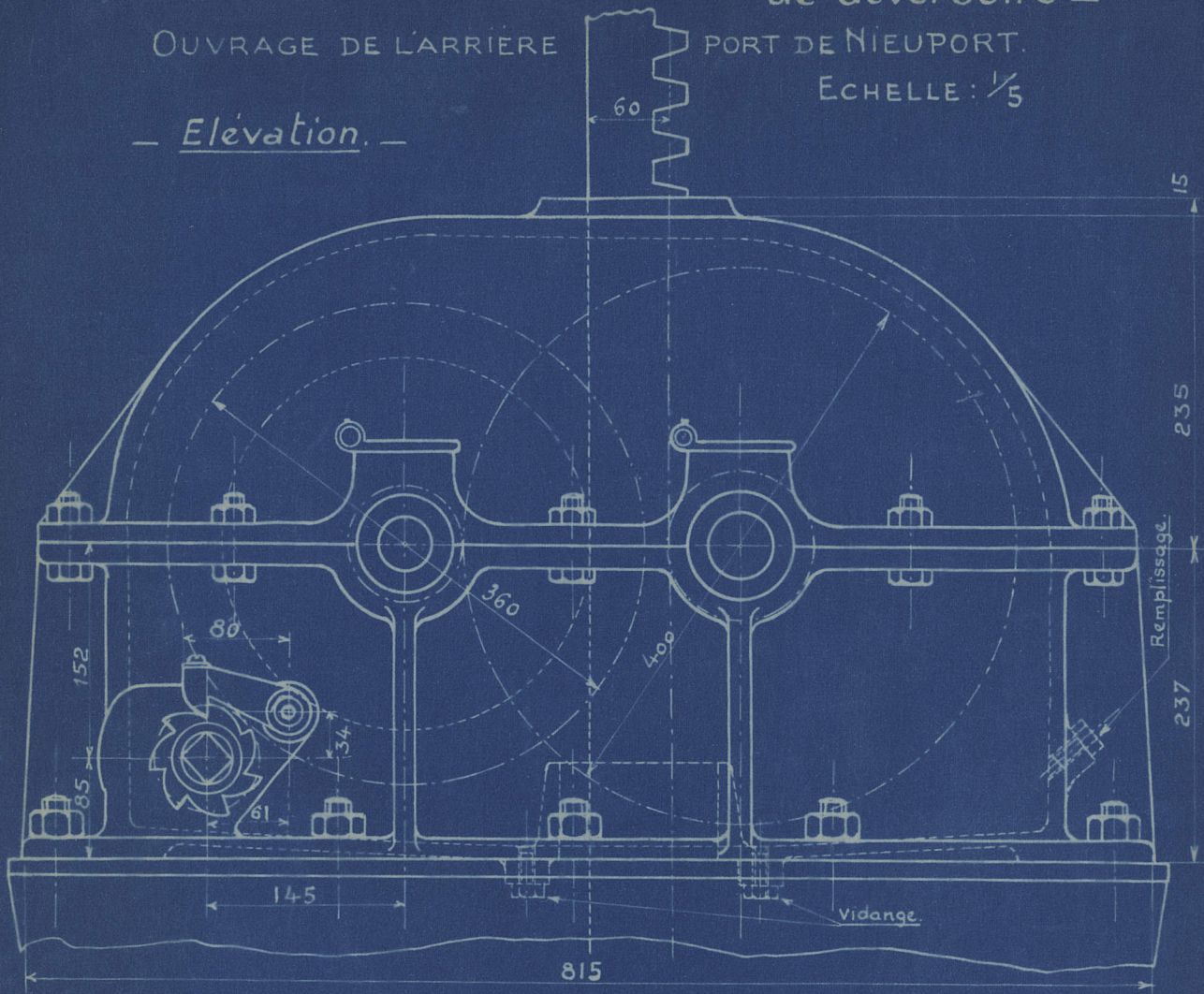
Fig. ... Cric pour manœuvre des vannes de déversoirs —

OUVRAGE DE L'ARRIERE

PORT DE NIEUPOORT.

ECHELLE: 1/5

— Elevation. —



— Vue en plan, partie supérieure enlevée. —

