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Autor: Bühler, Ernst
Kapitel: Skizzen
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SKIZZEN

Das kl. Längenmaß: Der Meter.

Blatt: 1.

kurz —
 lang —————
 länger —————
 am längsten —————



Klebe aus Streifen

in richtiger Größe

1cm



1dm

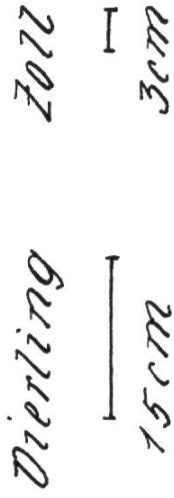
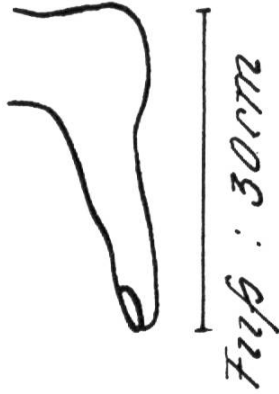
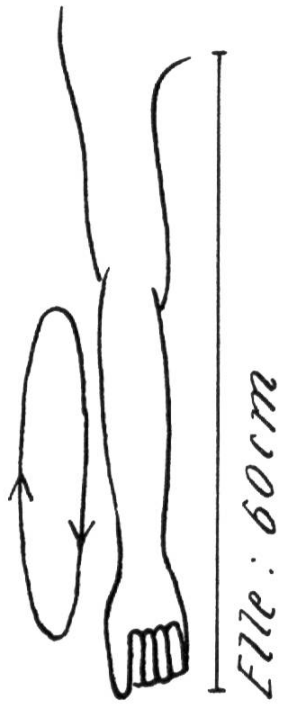


1m (gefaltet)

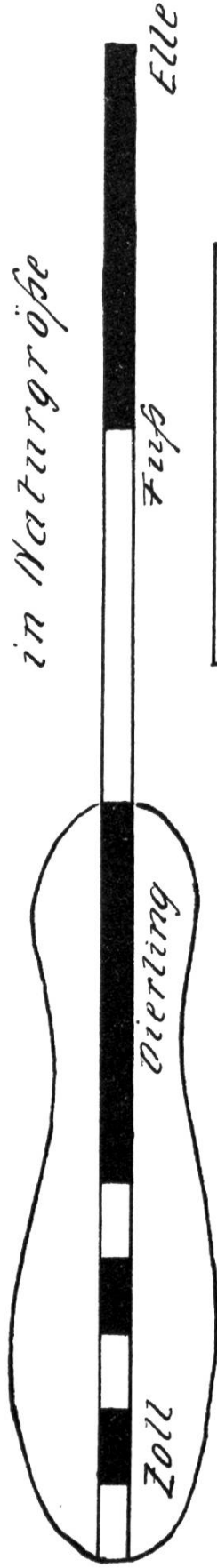
Miß: ————— Zeichne 3cm 4mm:

Alle Längenmaße. (Die Elle)

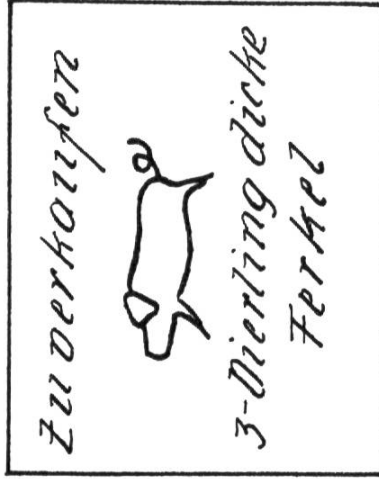
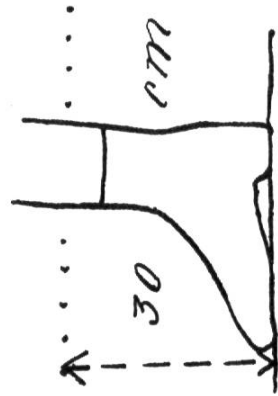
Blatt: 2.



Schneide u. klebe
in Naturgröße



Alle Ausdrücke:



ellenlange Scheiter

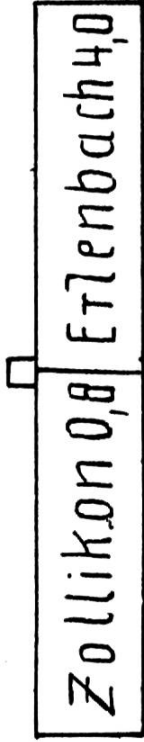
fußtiefer Schnee

zolldicke Bretter

Das große Längenmaß (km)

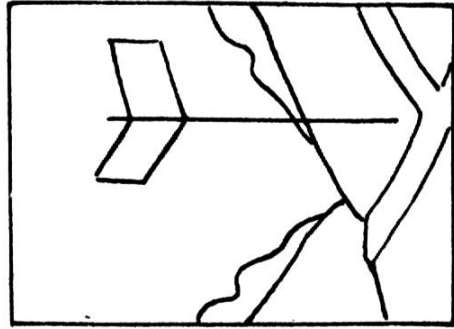
Blatt: 3.

Ergänze: 1 km vom Schulhaus



0 km 800 m

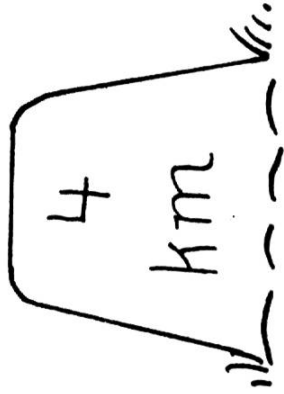
4 km 000 m



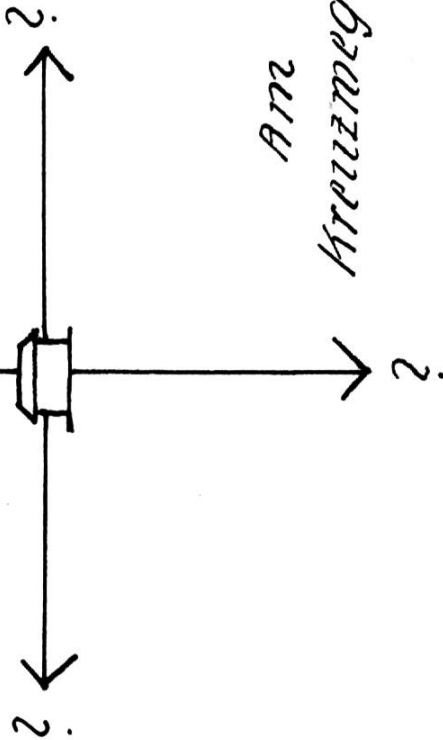
3 km 200 m

Wegweiser

4 km = ca. 15 Min.



km-Stein

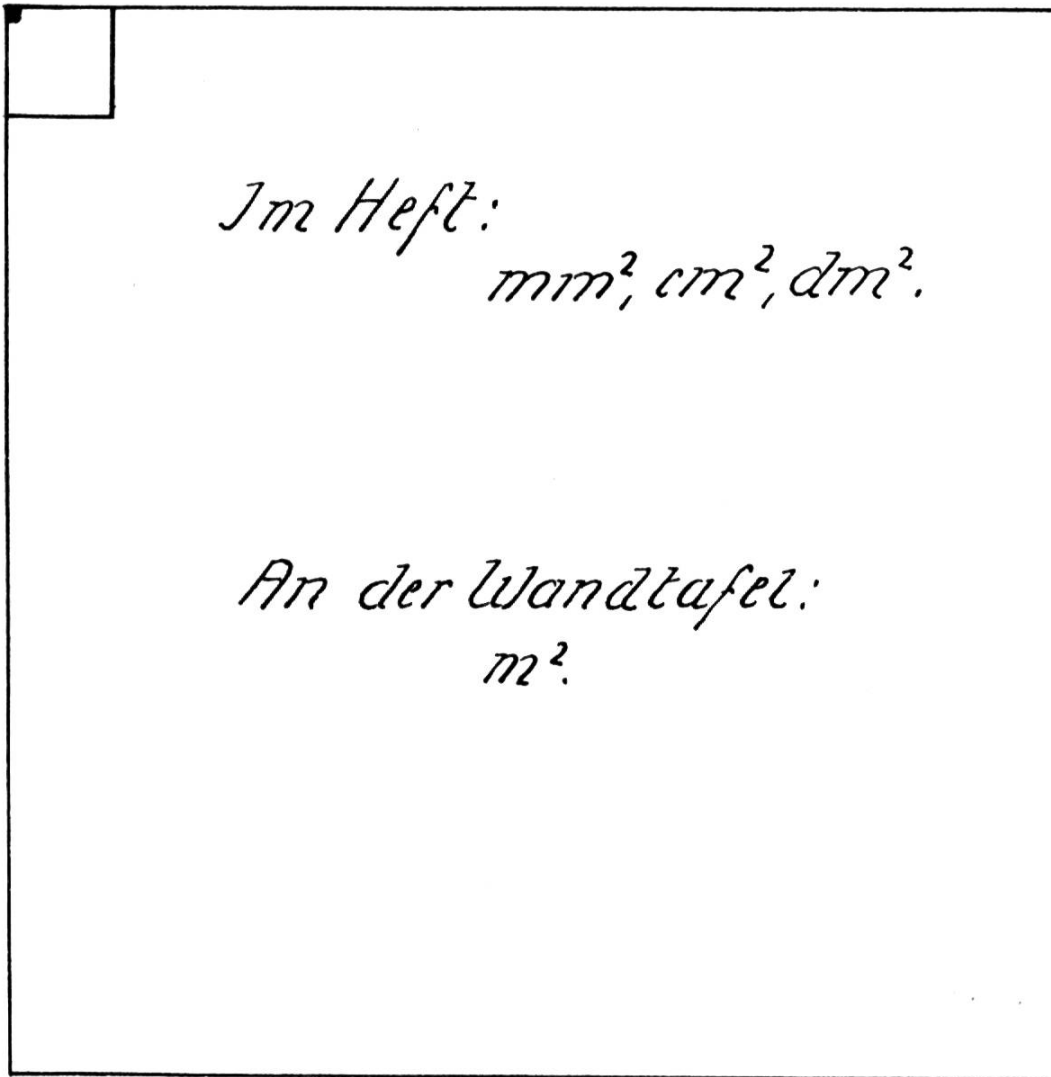


15 Minute vom Dorfe.

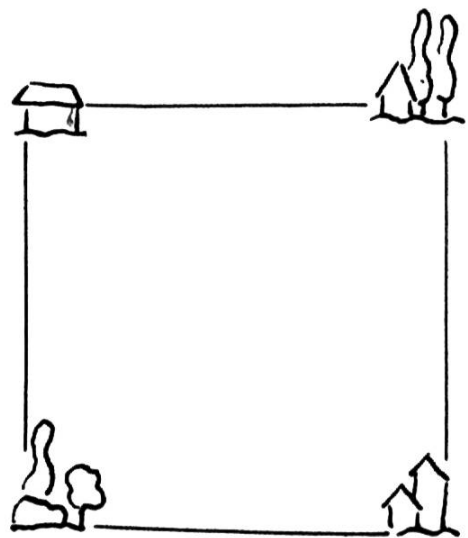
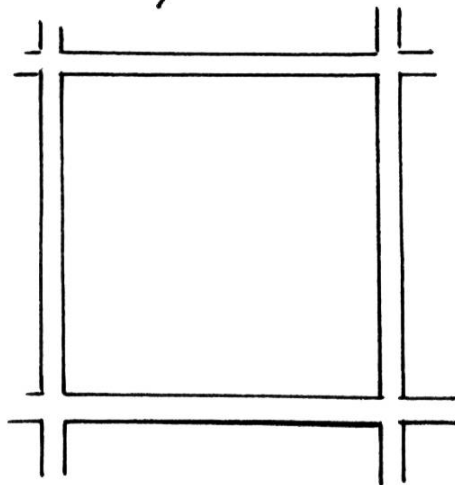
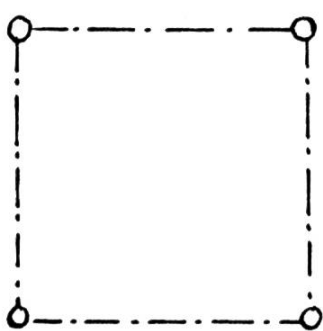


Hundertertäfelchen





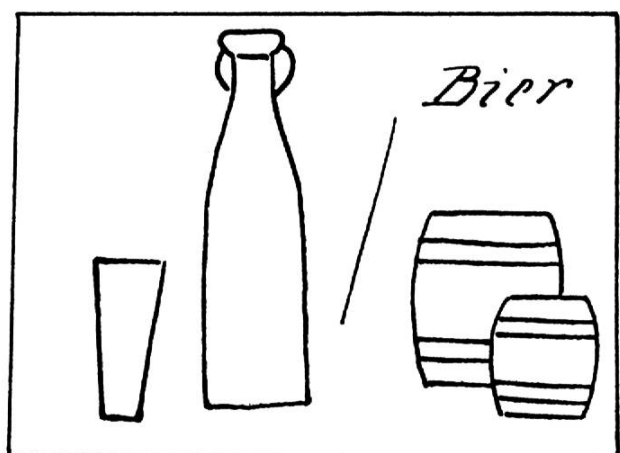
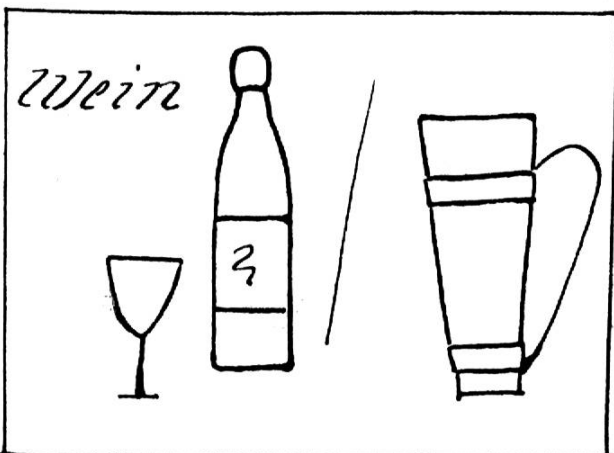
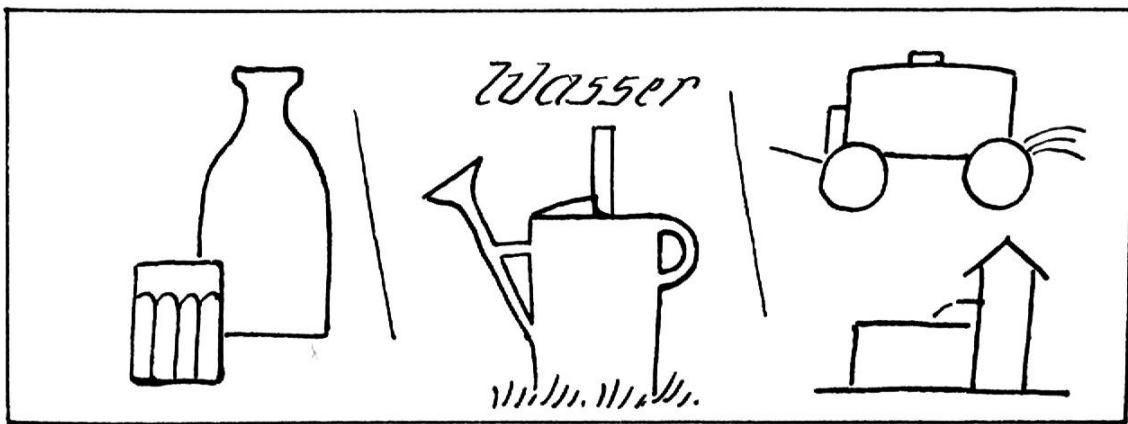
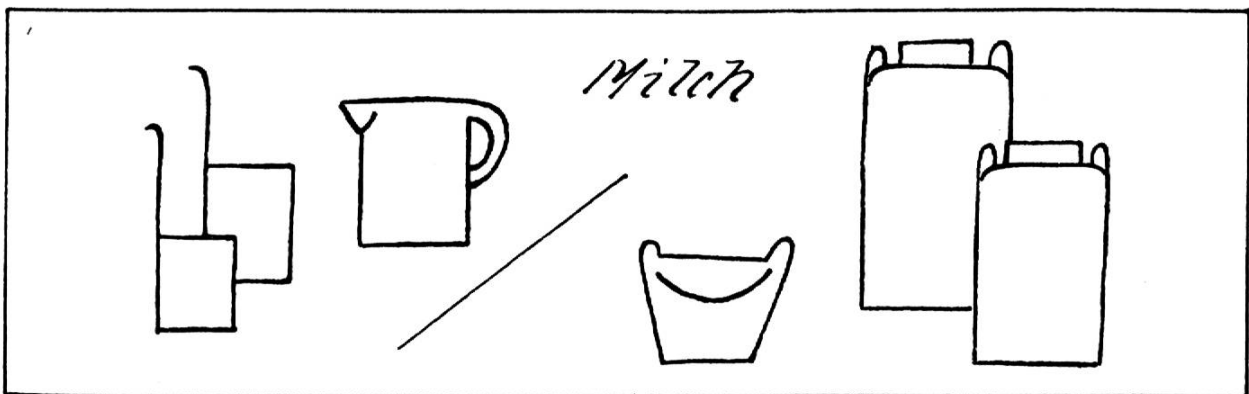
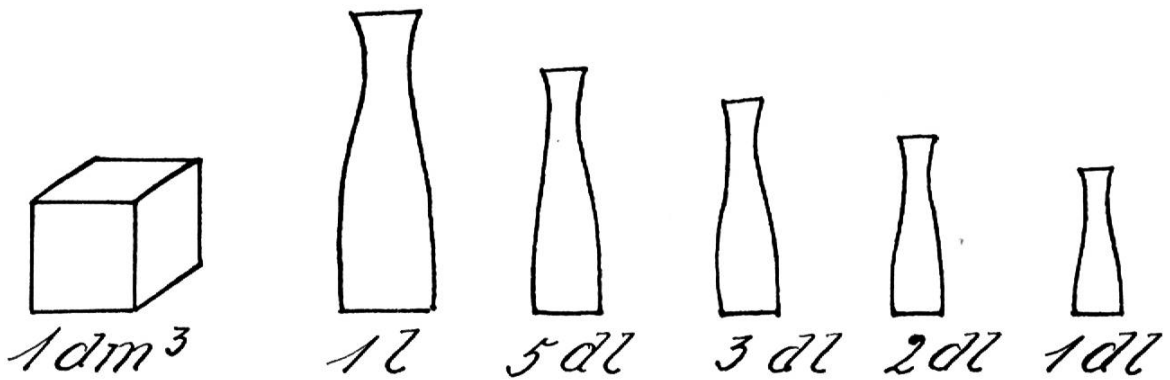
Im Freien ablaufen:



Turnplatz: a .
Straßenviereck: ha .
Stadtviertel: km^2 .

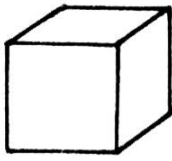
Die Hohlmaße

Blatt: 5.



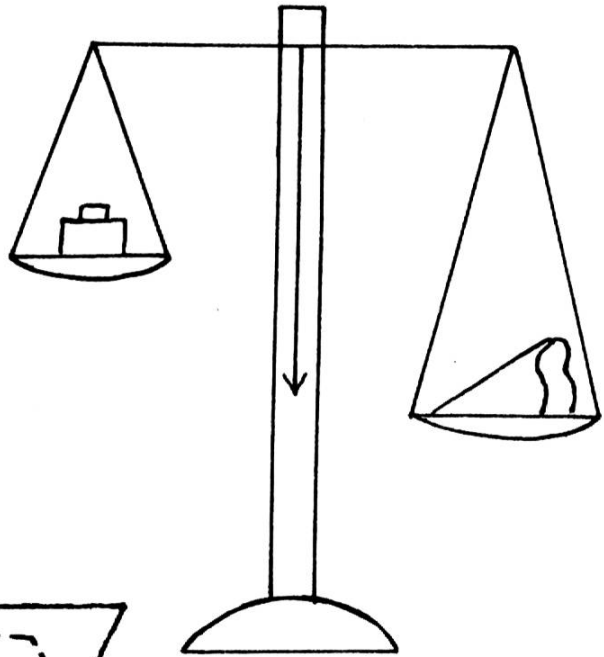
Gewichte u. Waage.

Blatt: 6.

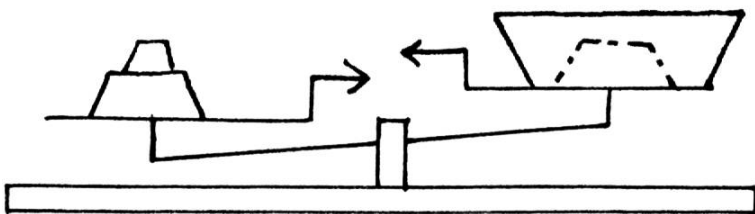


*1 cm³ Wasser
= 1 g*

*1 dm³ Wasser
= 1 kg*

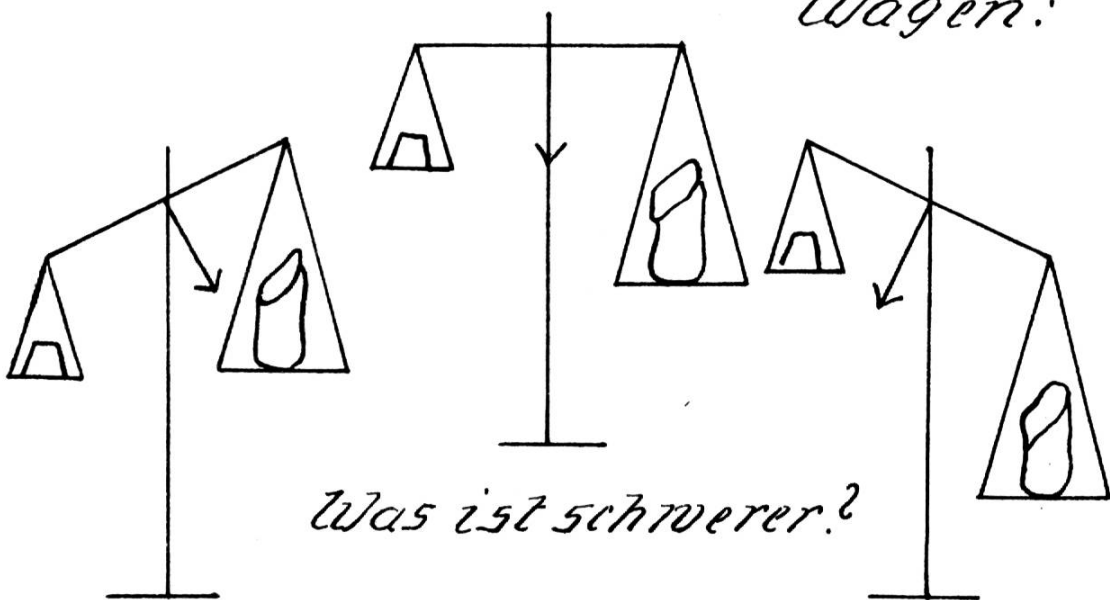


*Apotheker-
waage.*



Krämerwaage.

Wägen:



Gewicht!

Was ist schwerer?

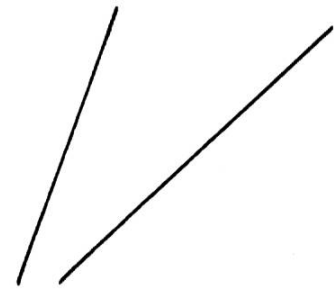
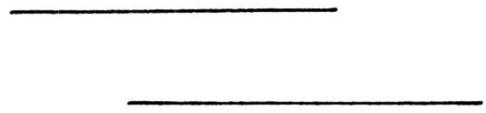
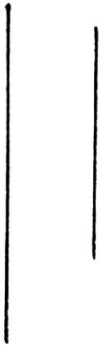
*Gleich schwer!
Gleichgewicht.*

Last!

And. Waagen: Die Lauf-, Dezimal- u. Centesimalwaage.

Die drei Hauptrichtungen. Blatt: 7.

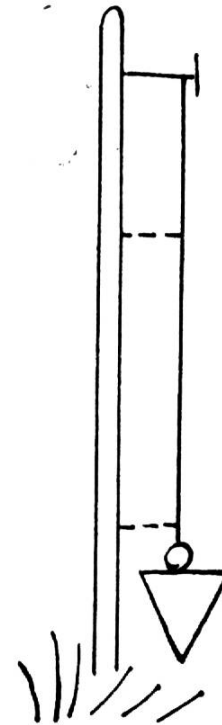
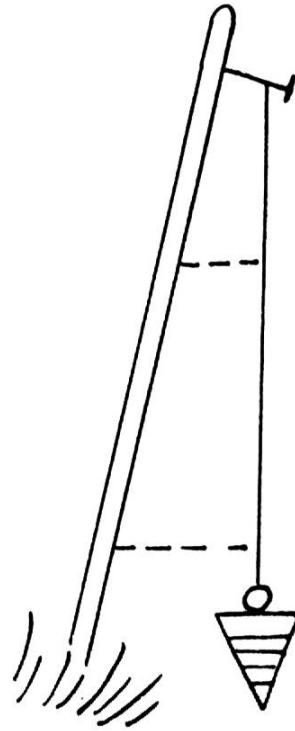
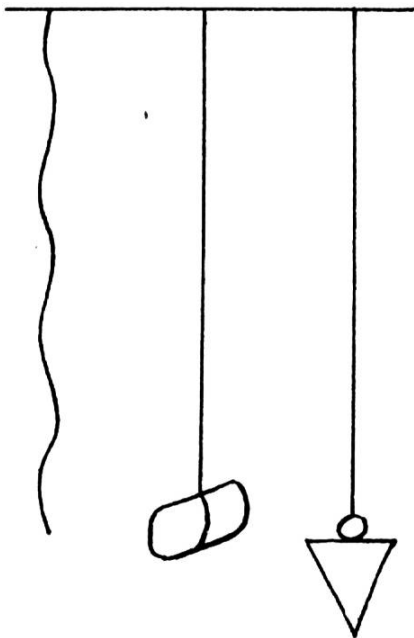
lotrecht waagrecht schief.



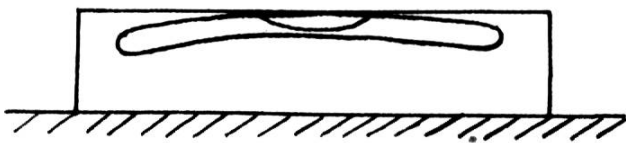
Das Senkblei

Seine Herstellung.

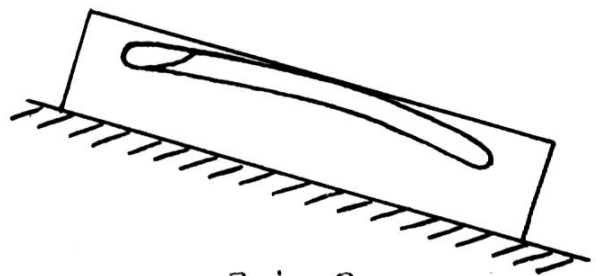
Seine Verwendung.



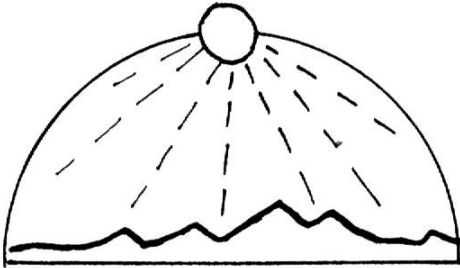
Die Wassermasse.



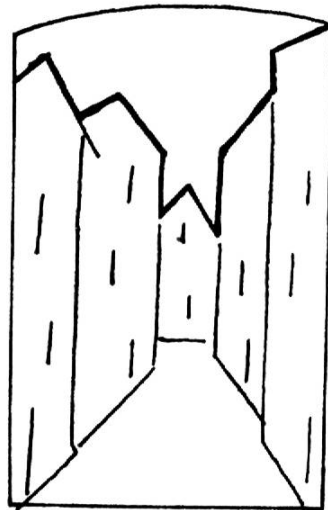
waagrecht



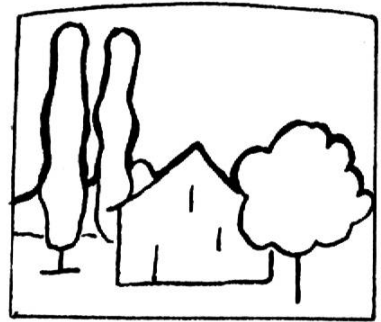
schief.



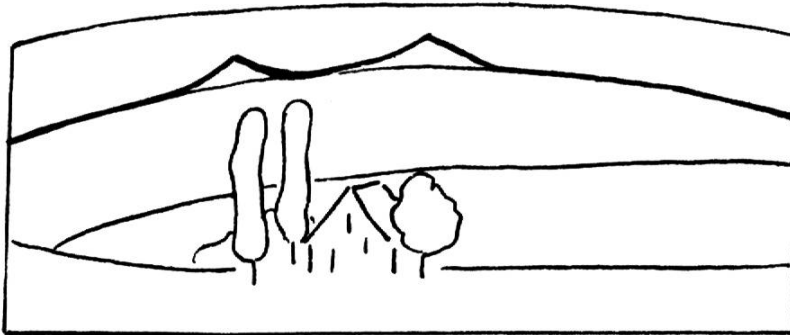
Himmels gewölbe?



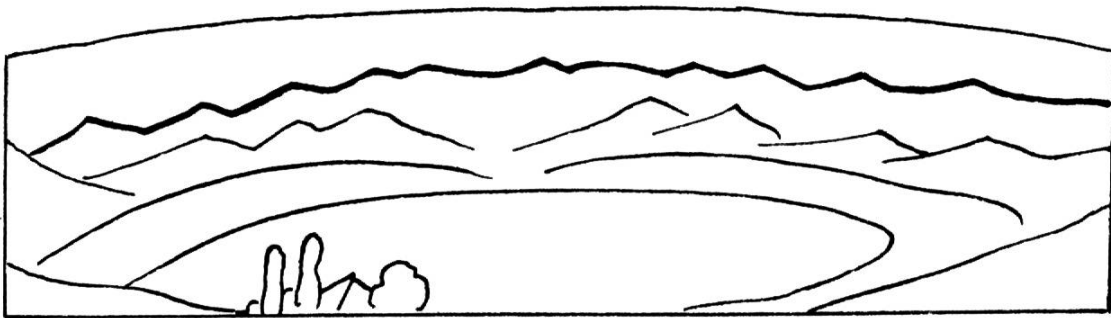
In der Gasse



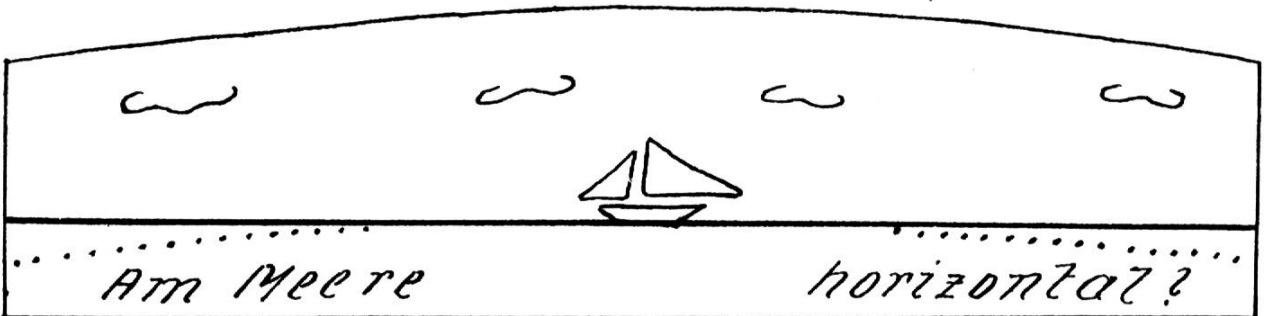
In der Ebene



Um Hügel



Um Berge



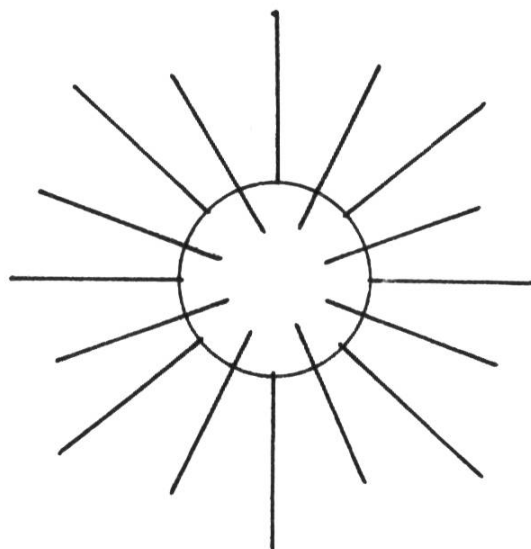
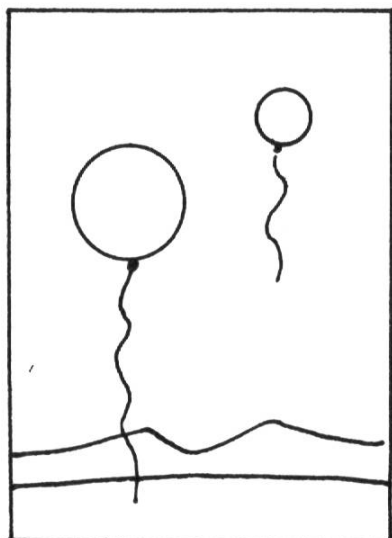
Am Meere

horizontal?

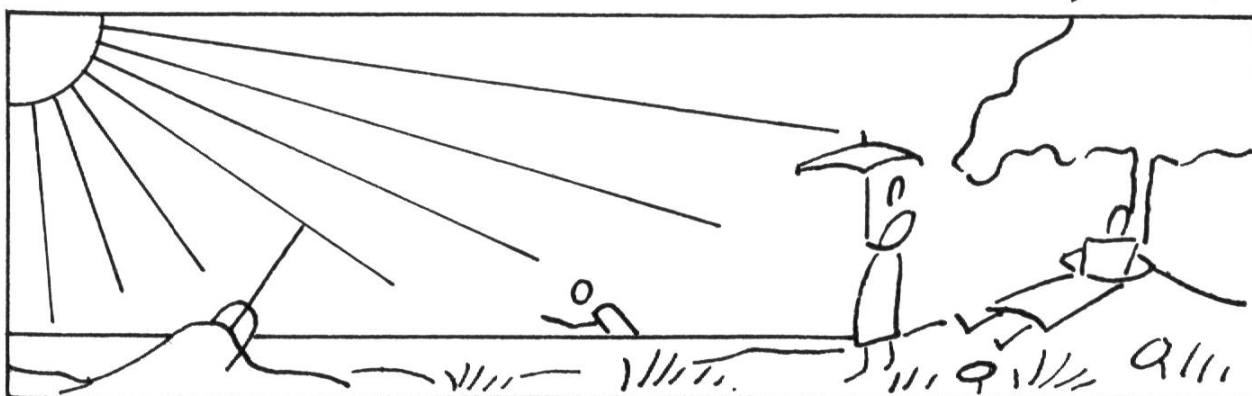
Die Sonne.

Blatt: 9.

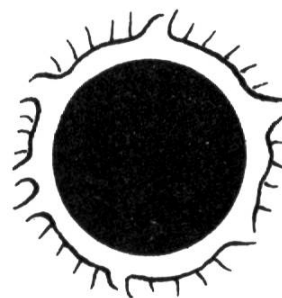
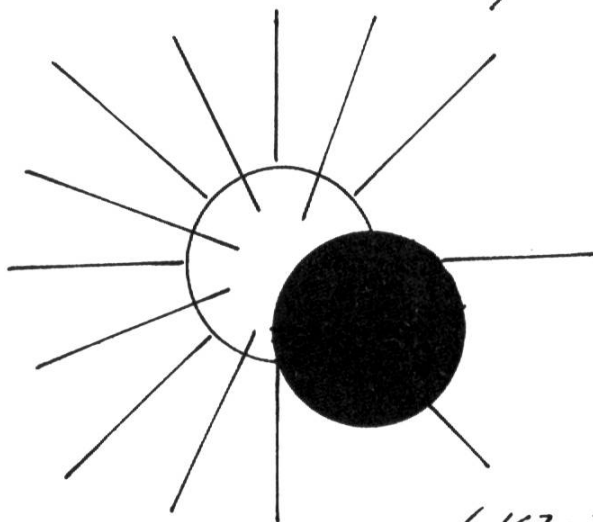
Fliegende Kugeln. Sonne mit Strahlen



Wenn die warme Sonne scheint. (Aufsatz)



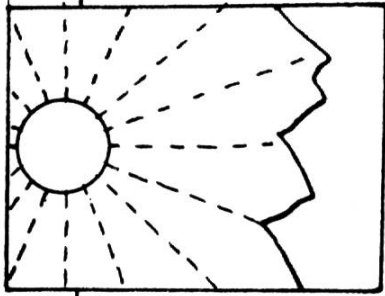
Eine Teilweise eine totale
Sonnenfinsternis



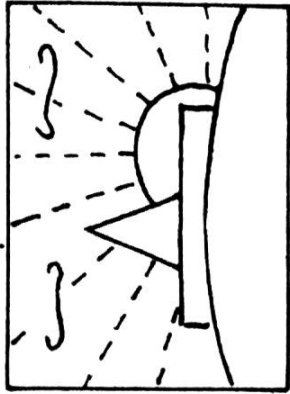
(Kleben und zeichnen)

Die Tageszeiten.

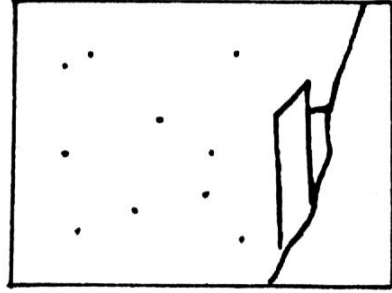
Blatt: 10.



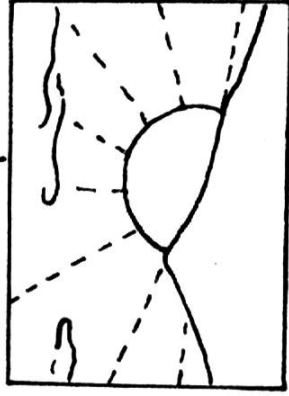
2. Sonnenhöhe
Mittag
Süden



1. Sonnenaufgang
Morgen
Osten



4. Sonnentiefe
Mitternacht
Norden



3. Sonnenunterg.
Abend
Westen

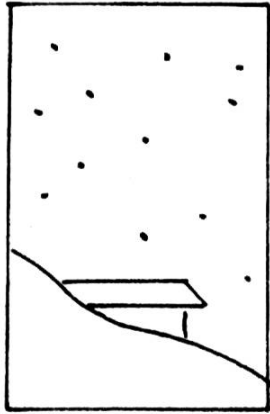
bogen

bogen

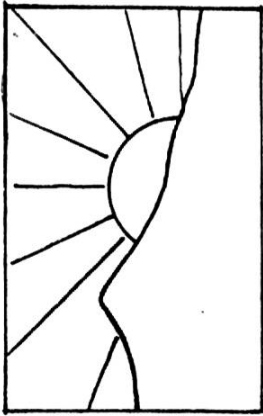
Tag

Nacht

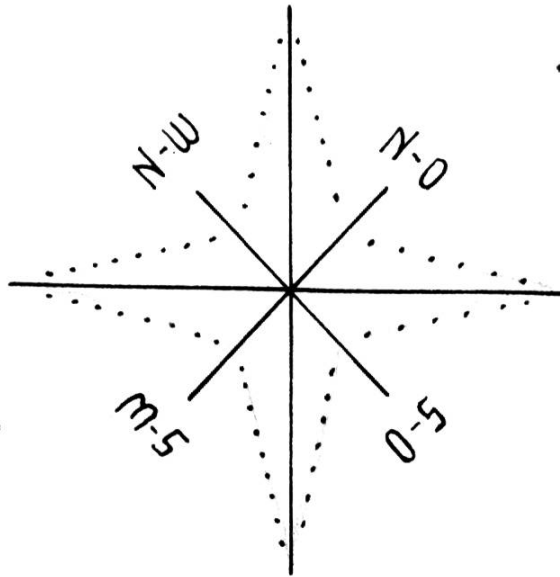
Die Himmelsrichtungen. Blatt: 11.



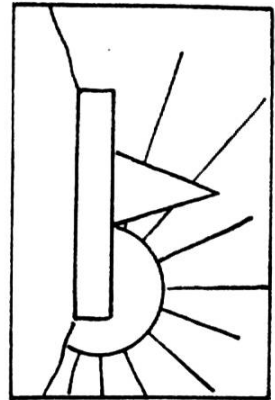
5-Tiefe-M.nacht-Norden



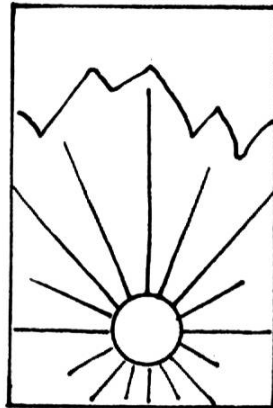
5-unterg.-Abend-Western



5-aufg.-Morgen-Ostern



5-Höhe-Mittag-Südern



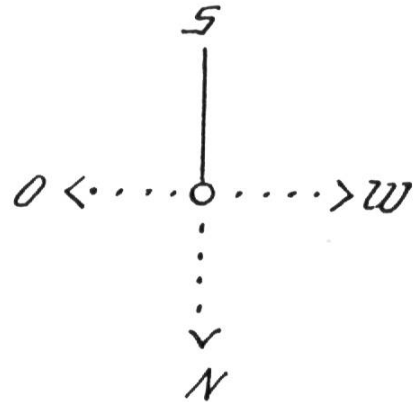
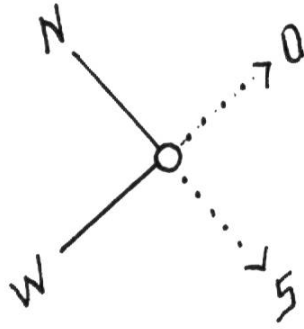
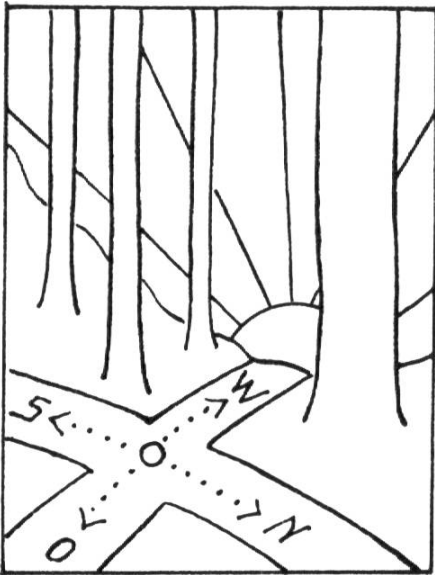
Zuerst legen, dann aufstellen!

Die Orientierung.

Blatt: 12.

Abends verirrt.

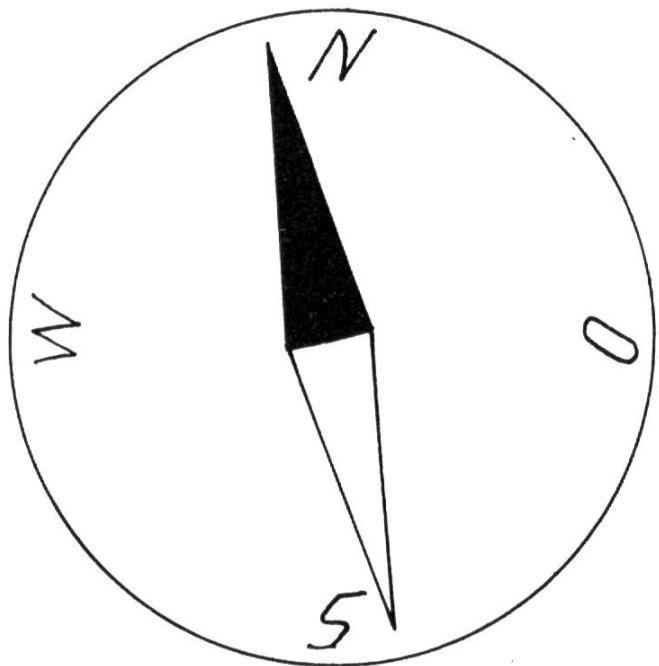
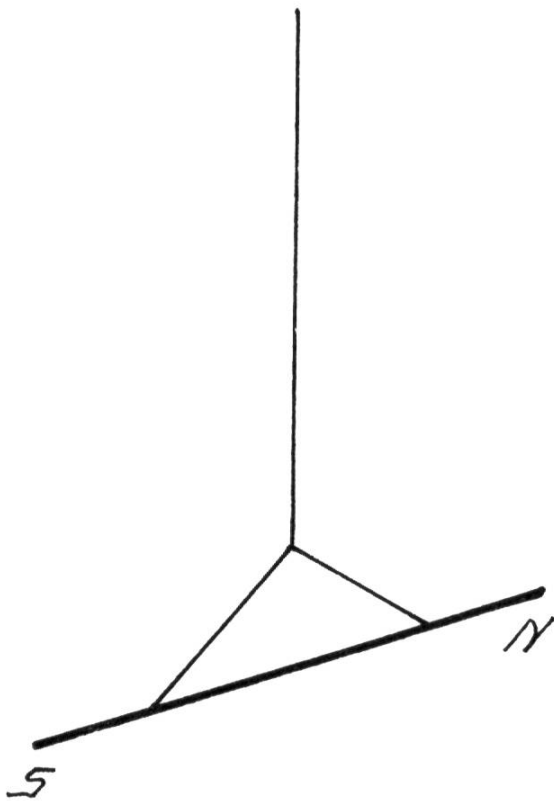
Ergänze diese
Windrosen!



Himmelsrichtungen?

Meine magnetische
Stricknadel

Der Kompaß



Orientierungen im Freien (Sonne, Kompaß)

Der Schatten.

Blatt: 13.

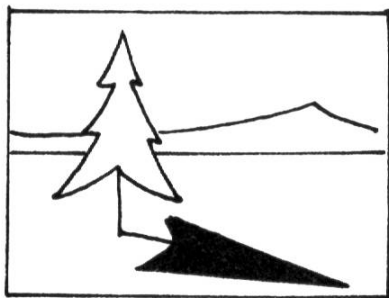
Stärke einen Stab! Schatten?

Morgens nach
W

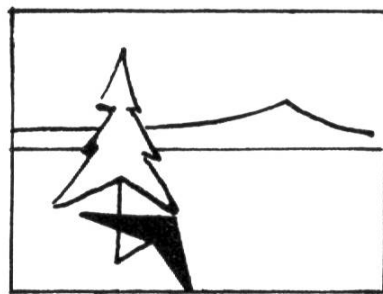
Mittags nach
N

Nie nach
: 5

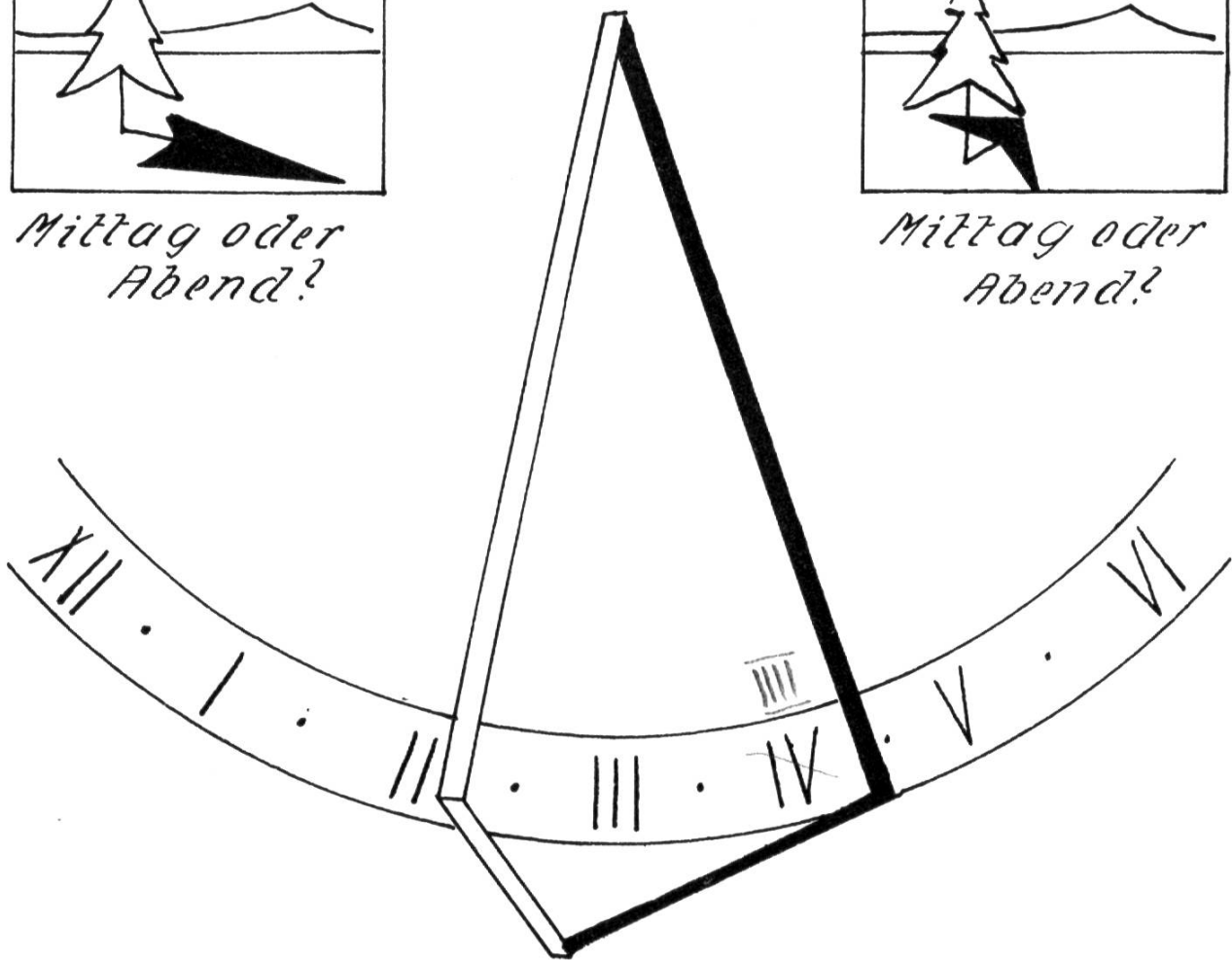
Abends nach
O



Mittag oder
Abend?



Mittag oder
Abend?



Sonnenuhr: Zeiger falten u. befestigen.

Die Tageslängen.

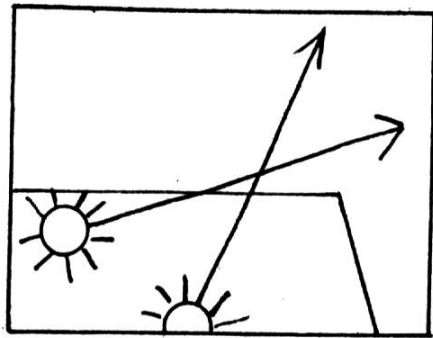
Blatt: 14.

4 Haupttage des Jahres

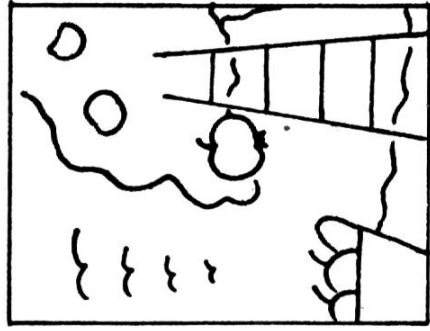
Datum	Sonnen- aufg	unterg.	uhr	Länge d. Tages	Name d. Tages
21. <u>III.</u>	6	18	12	12	Frühlings- Tag-u. Nachtgl.
21. <u>VI.</u>	4	20	16	8	Längster Tag.
23. <u>IX.</u>	6	18	12	12	Herbst-Tag- u. Nachtgl.
21. <u>XII.</u>	8	16	8	16	Kürzester Tag.

Die Jahreszeiten.

Blatt: 15.

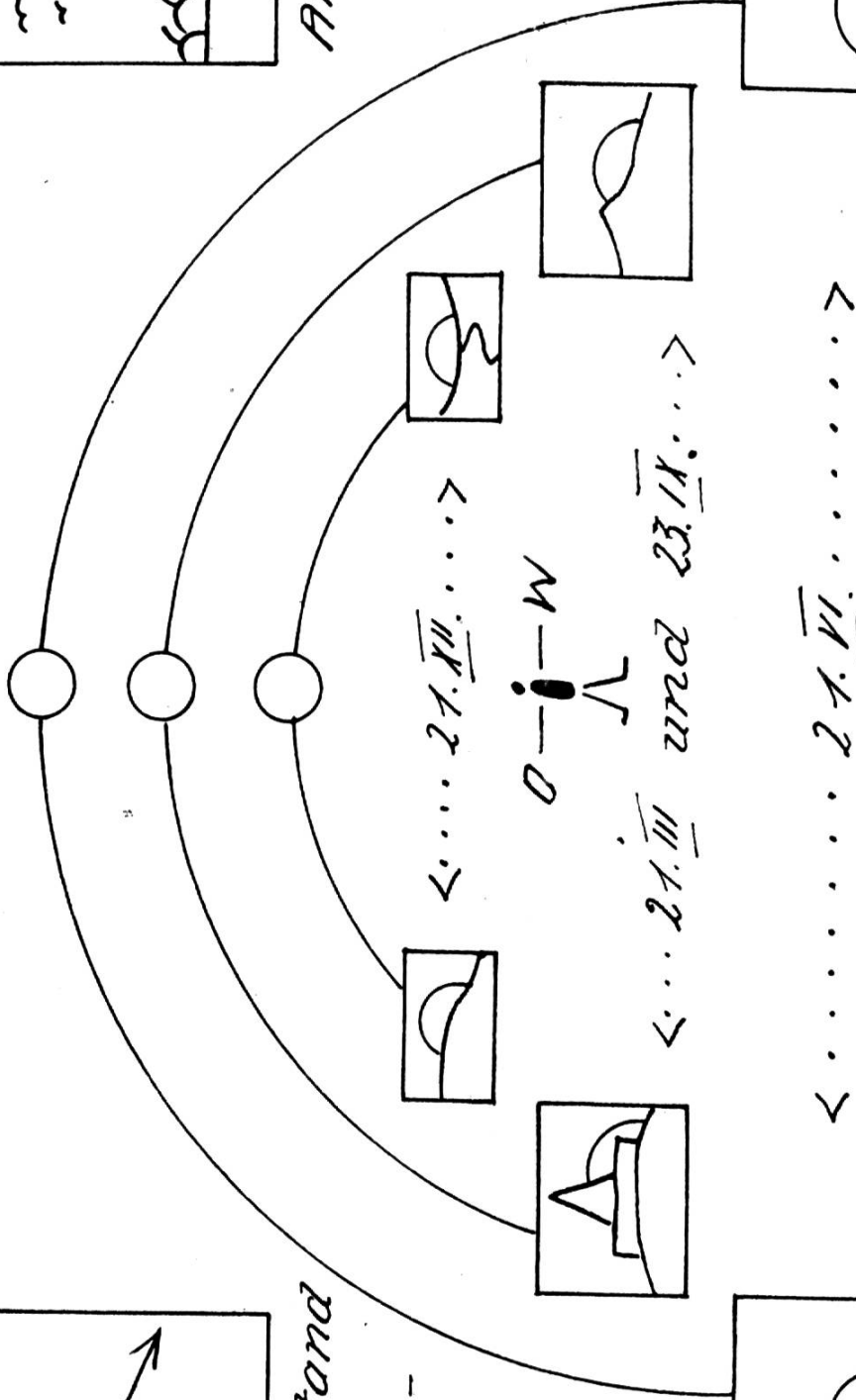


Sonnenstand
u.
Zimmerbe-
leuchtig.



Arbeiten
im
Herbst.

Sonnenhöhe



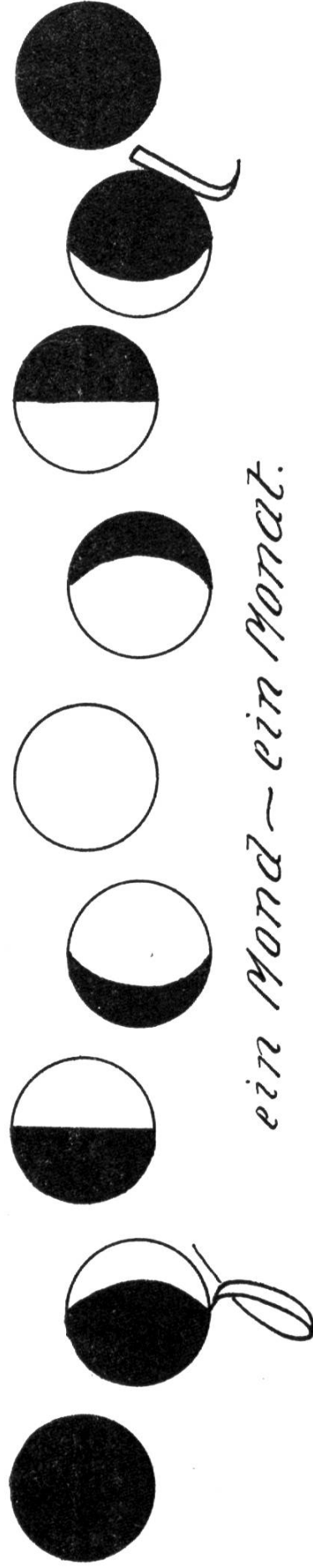
Sonnenaufgänge.

Sonnenuntergänge.

Dom Monde.

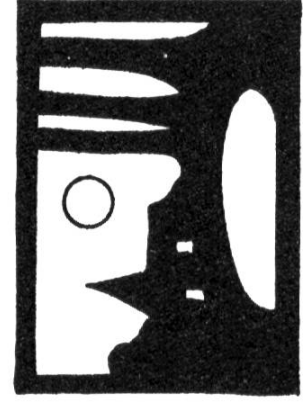
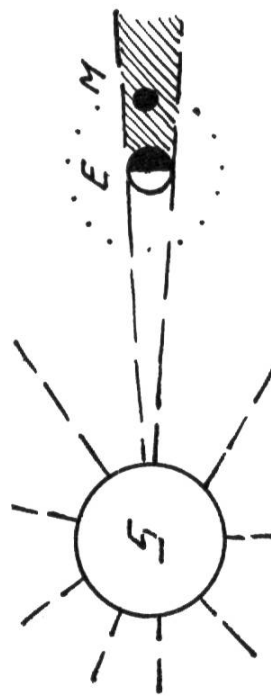
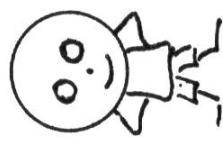
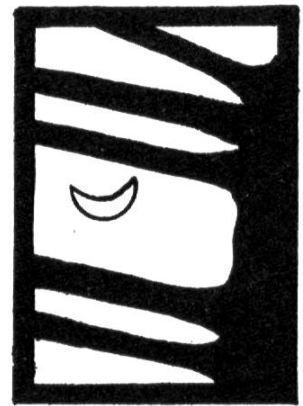
Blatt: 16.

Leer-
mond
Sichel
Halbm.
Mond
Doll-
mond
Abnehmende(r)
Sichel
Halbm.
Mond
Leer-
mond
Sichel
mond



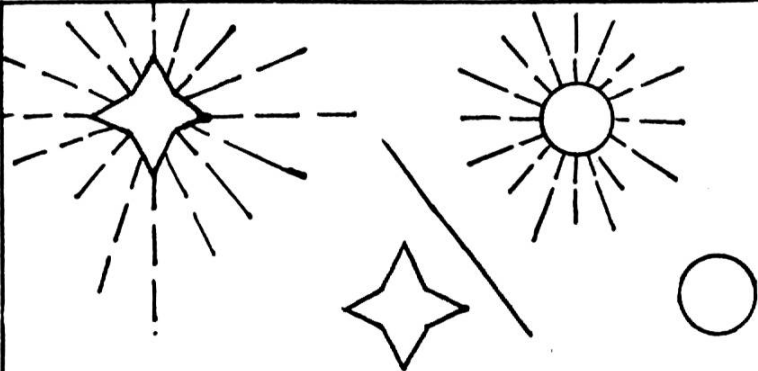
ein Mond ~ ein Monat.

1. Woche	2. Woche	3. Woche	4. Woche
1. Viertel	2. Viertel	3. Viertel	4. Viertel



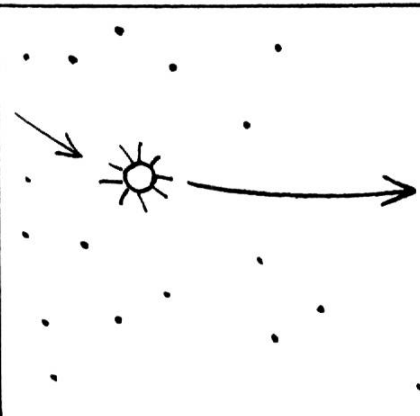
Die Sterne.

Wie Kinder
Sterne zeichnen.



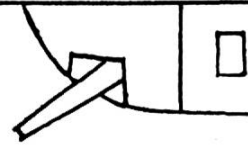
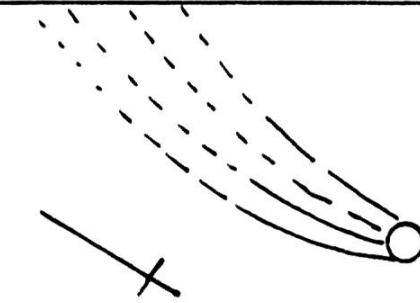
Wie die Sterne
sind.

Stern-
schnuppen.



Wie sie
fallen.

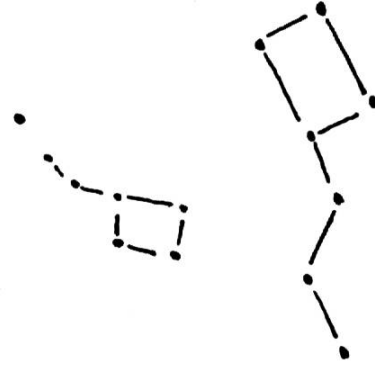
Ein
Komet



Wie er
scheint.

Blatt: 17.

Stich den gr. Wagen
die Milchstraße 21.50.

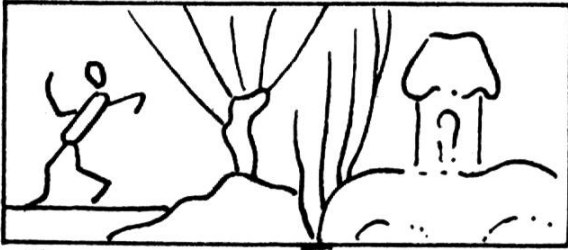


Gegen das Fenster
halten.

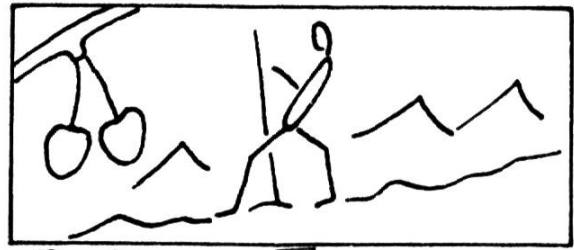
Die Monate.

Blatt: 18.

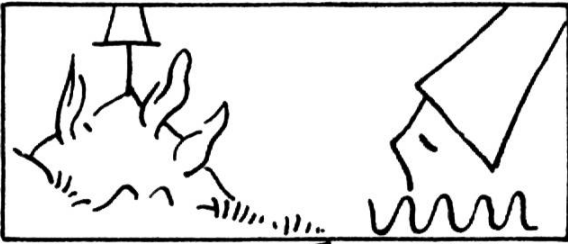
Was die Monate bringen.



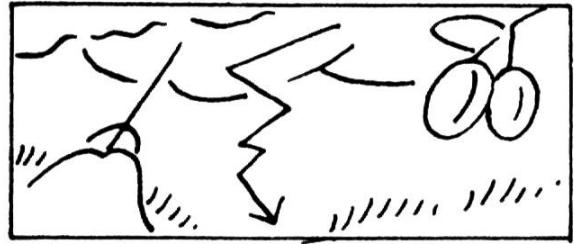
Januar I. Jan.



Juli VII.



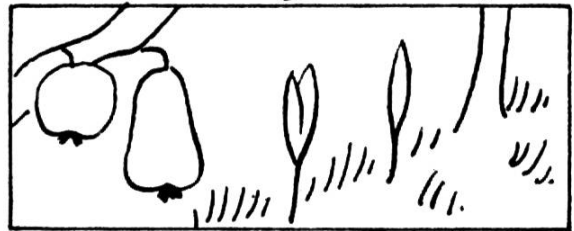
Februar II. Feb.



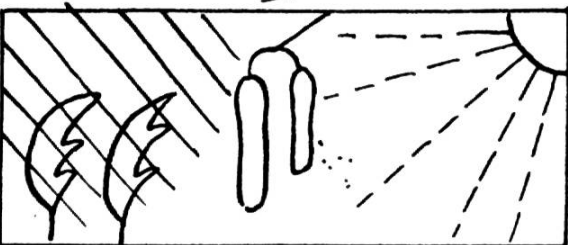
August VIII. Aug.



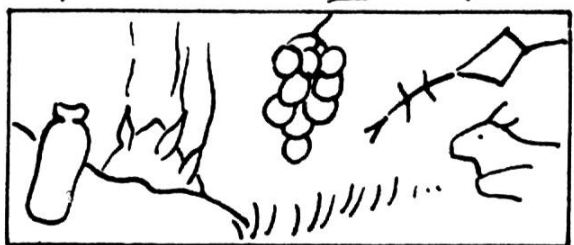
März III.



September IX. Sept.



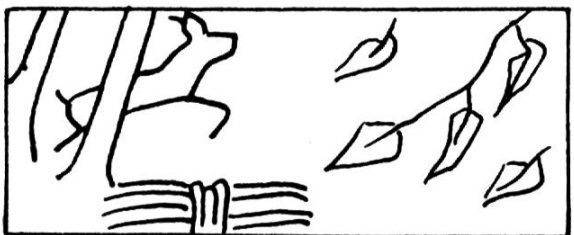
April IV.



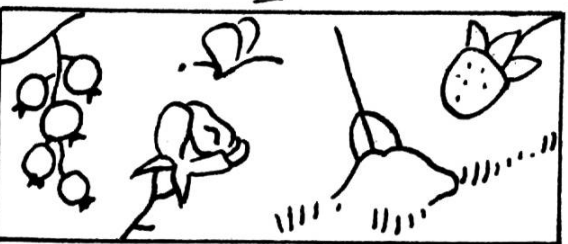
Oktober X. Okt.



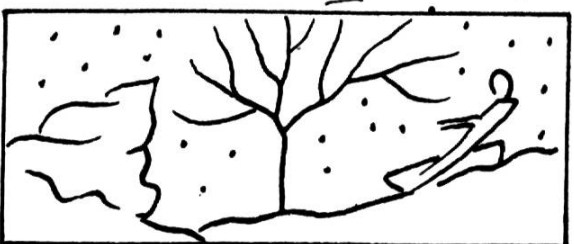
Mai V.



November XI. Nov.



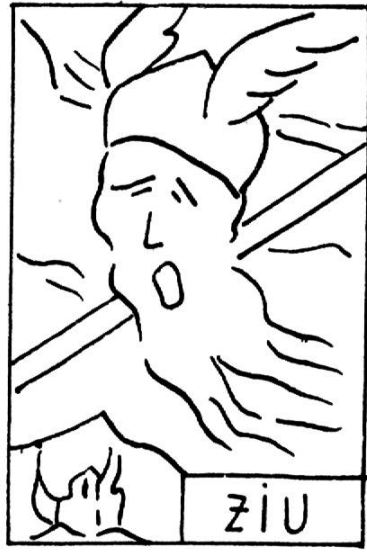
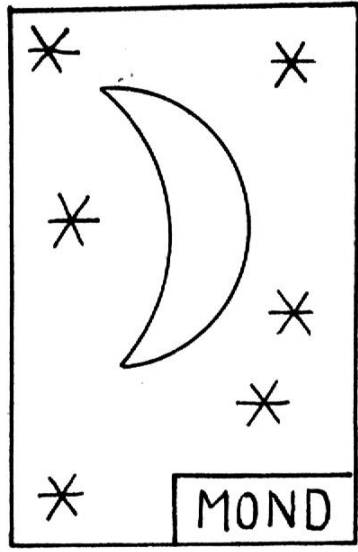
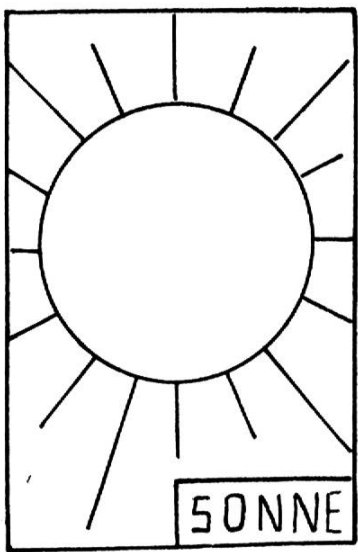
Juni VI.



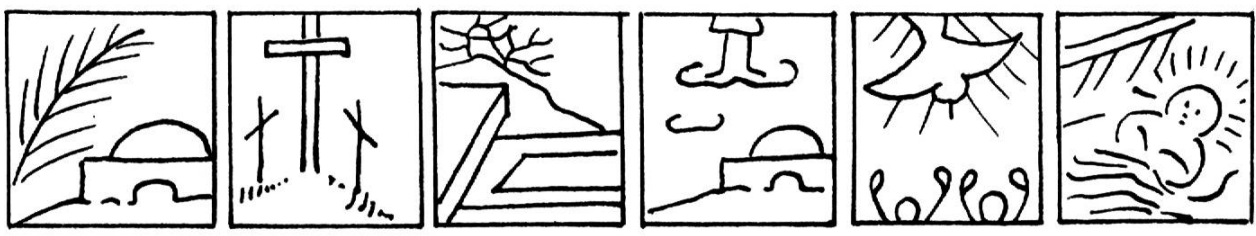
Dezember XII. Dez.

Wochen und Tage.

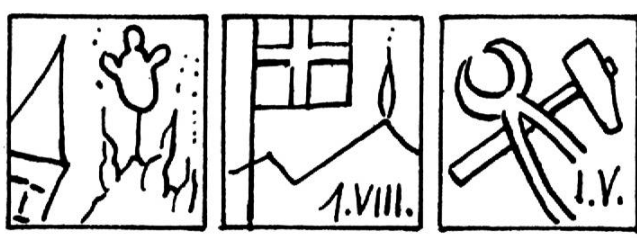
Blatt: 19.



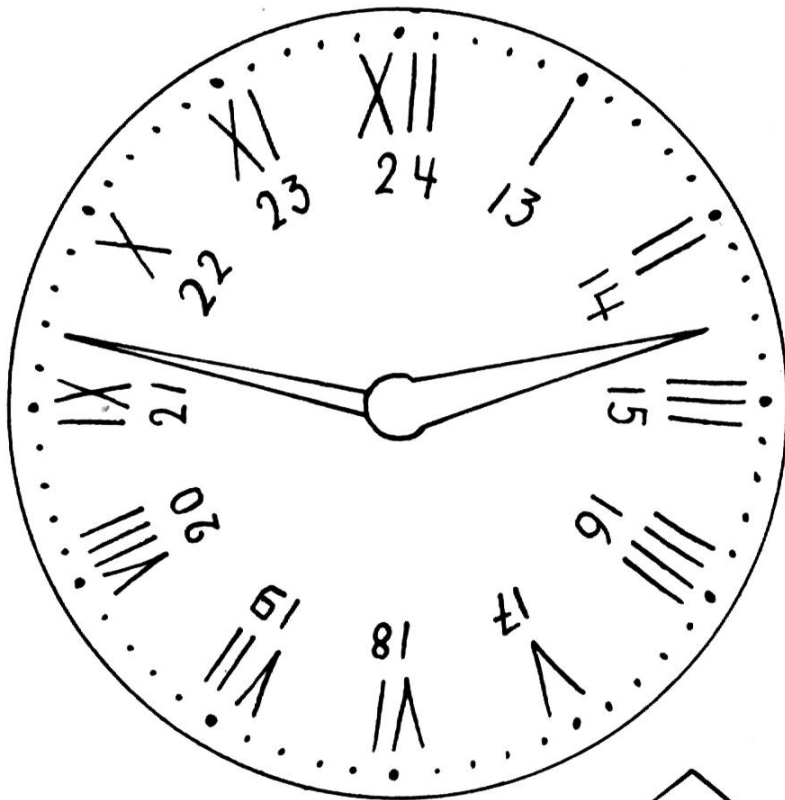
Mittwoch.



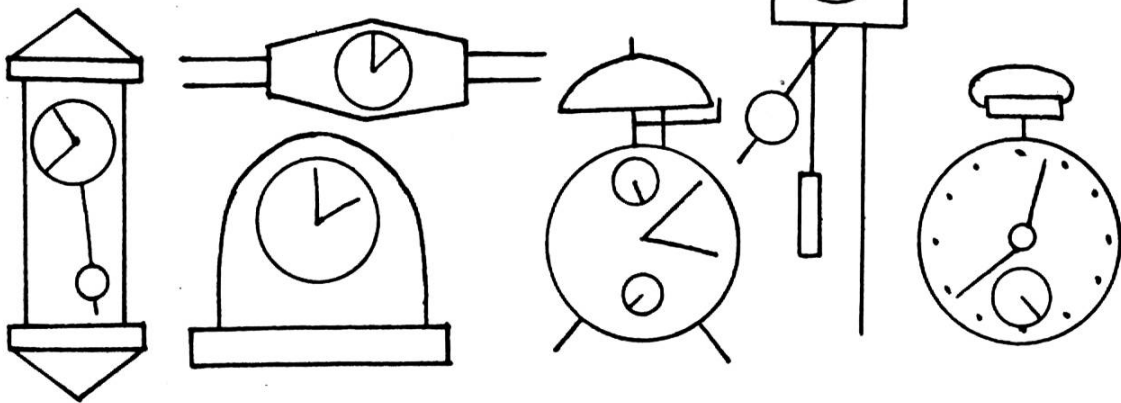
↑
*Kirchl.
Feiert.*



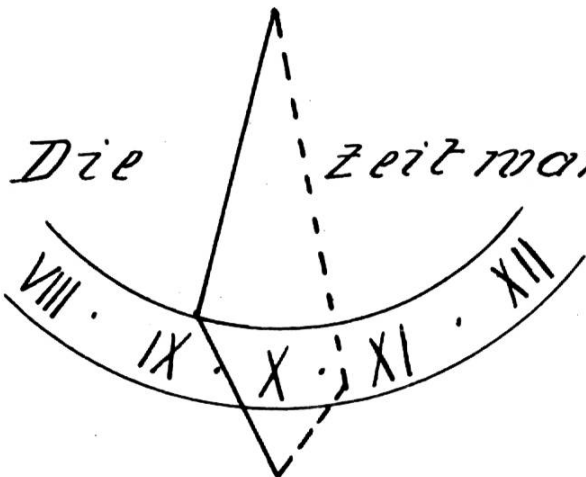
*Weltl.
Feiert.*
←



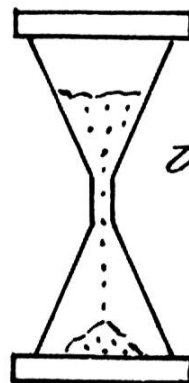
Allelei Uhren:



Die Zeit wandert

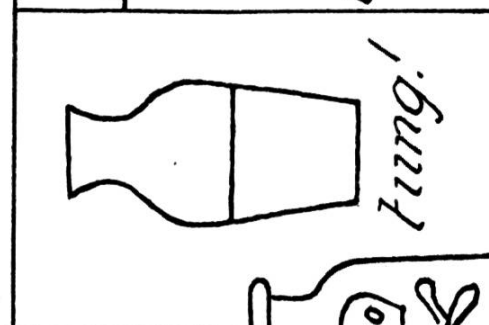
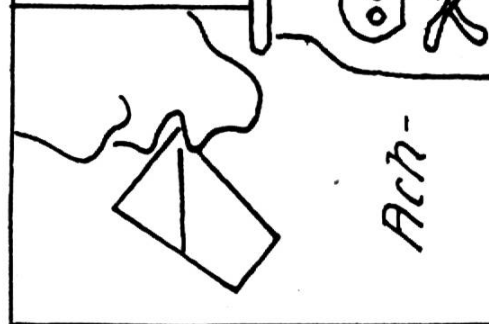
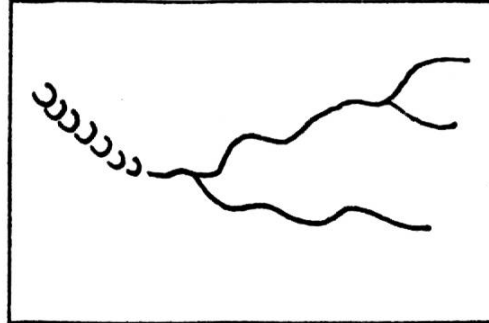
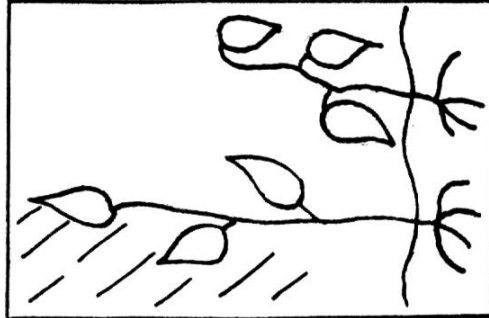
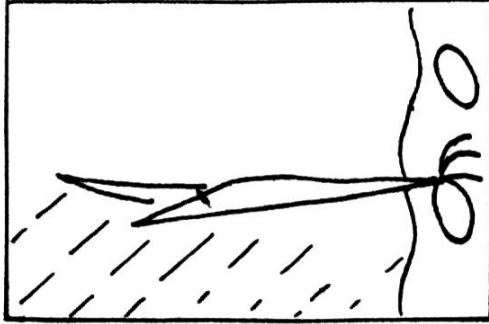


verrinnt

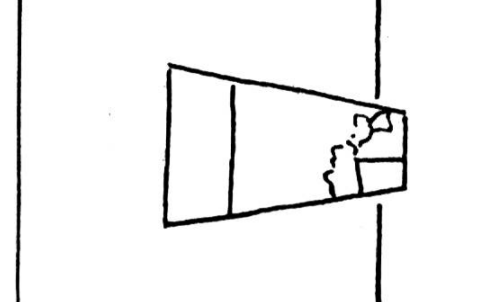
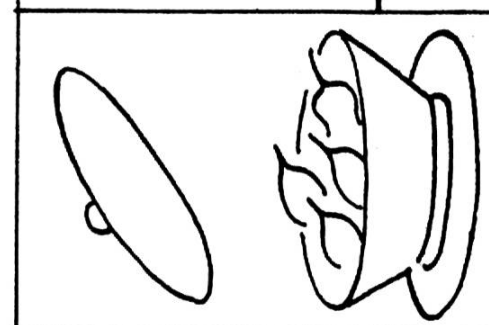
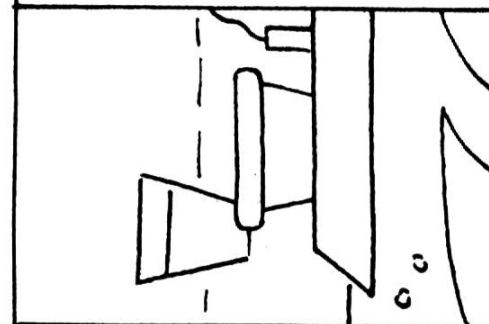
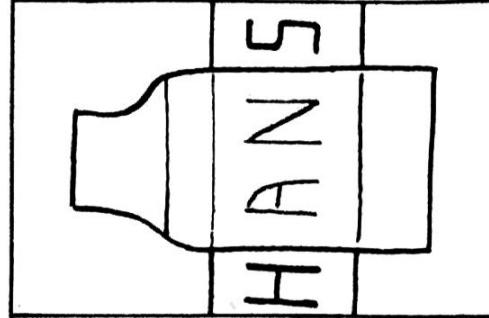
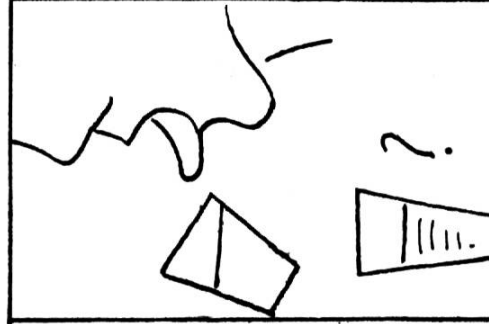


Allgemeines vom Wasser.

Blatt: 22.



Weicht, erhält das Leben flüssig trinkbar farblos geruchlos

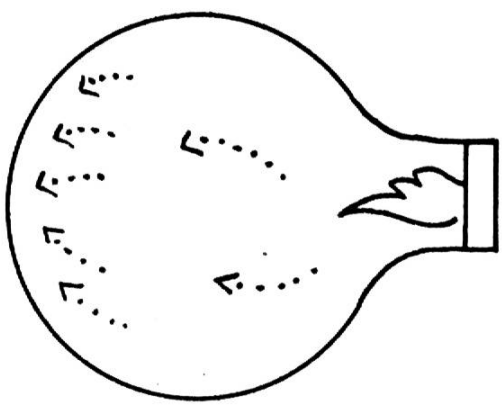
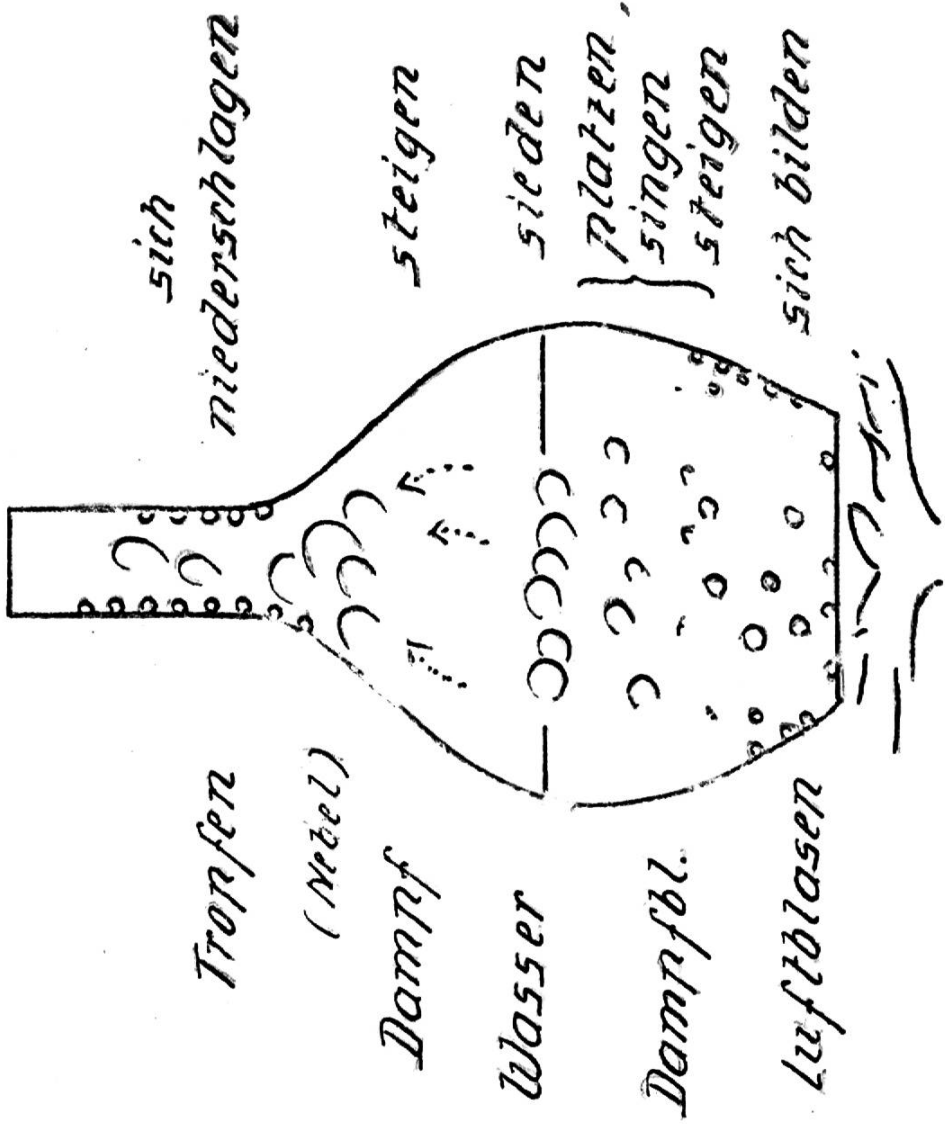


geschmacklos durchsichtig tropfen netzen aufweichen auflösen

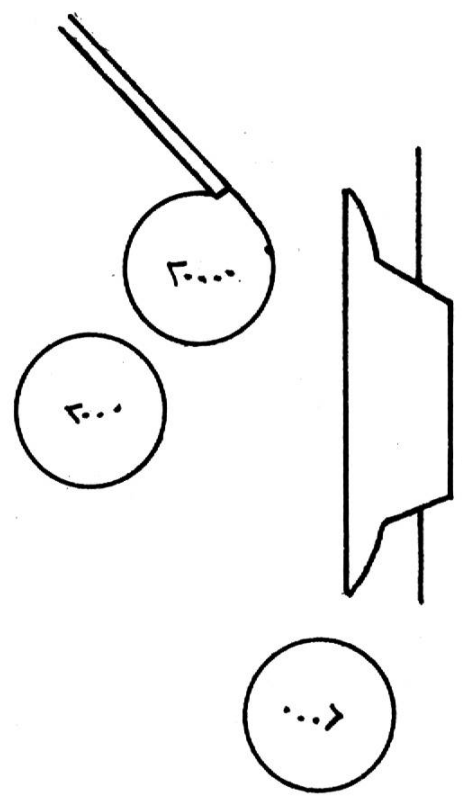
Dom Sieden und Verdampfen.

Blatt: 23.

Dampfkräft treiben

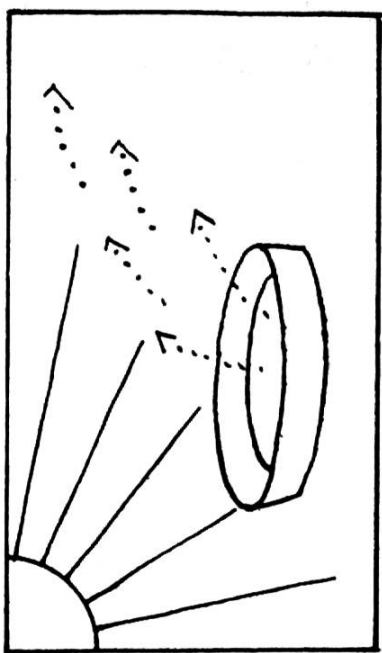


Heißluftballon.

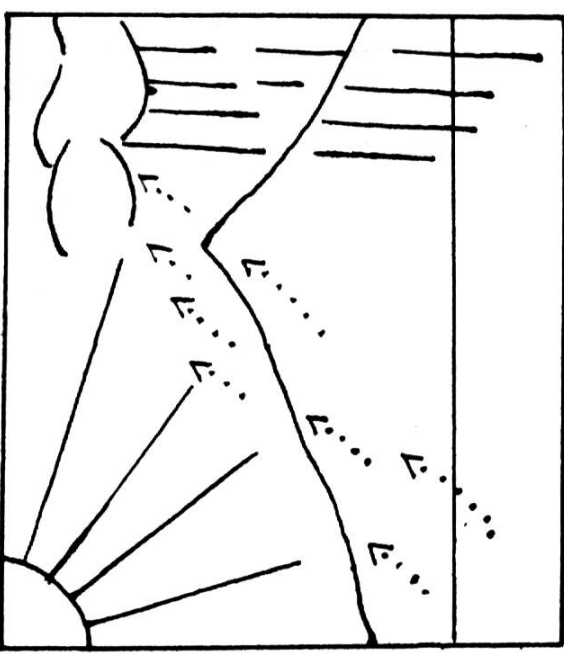


Seifenblasen

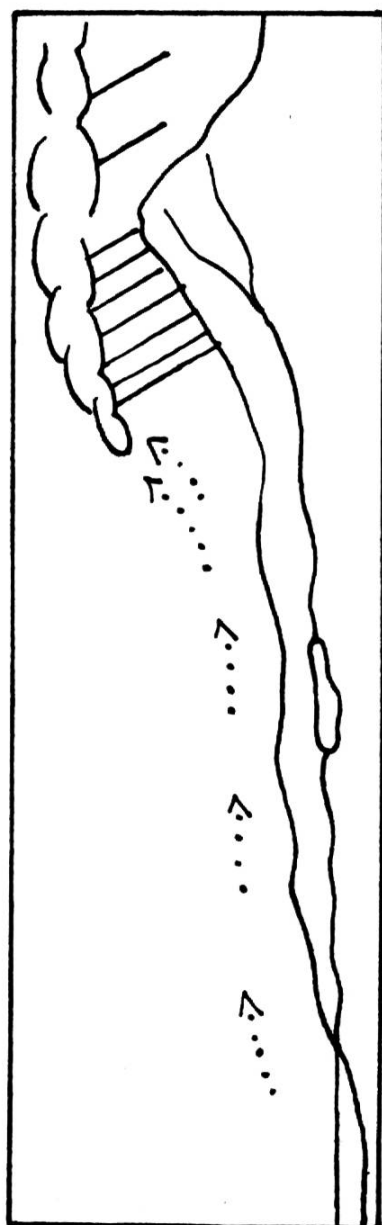
Don Dunst und Wolken.



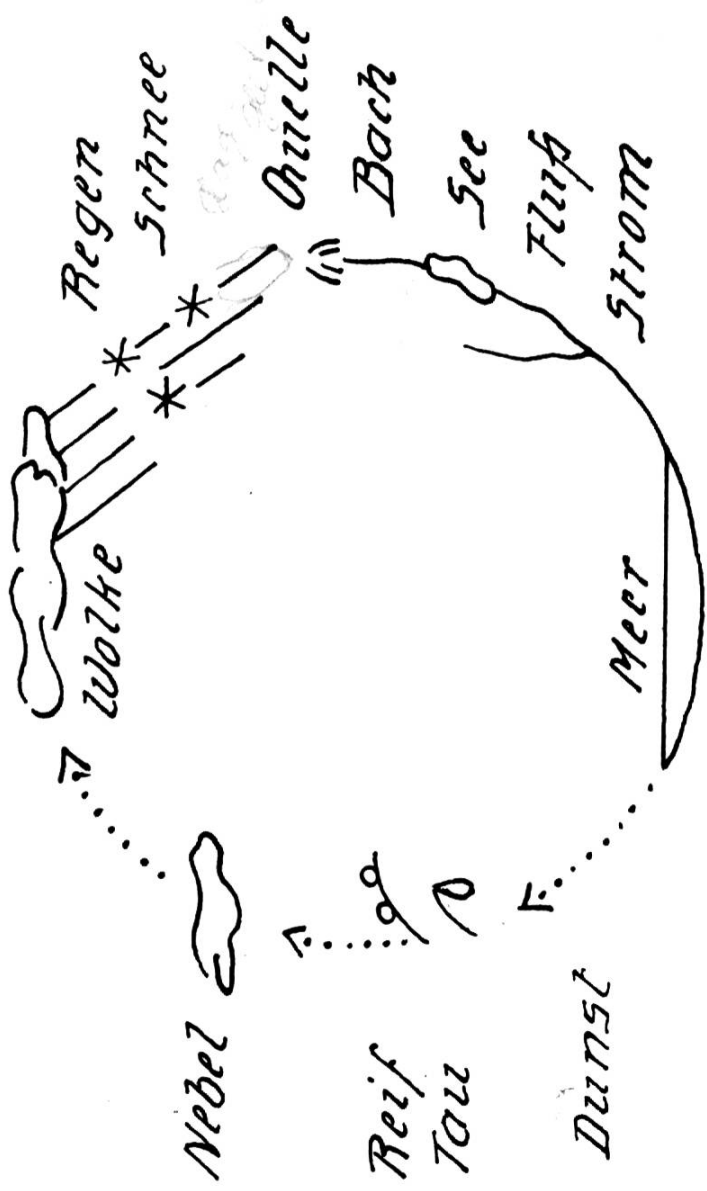
verdunsten - Dunst



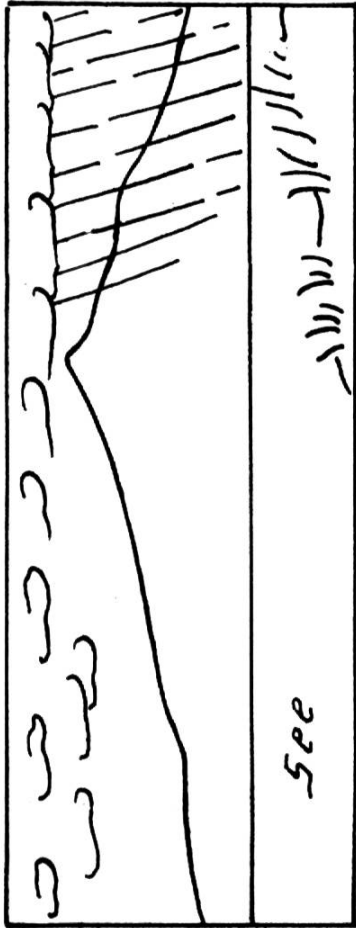
Die Entstehung der Wolke



Die Rundreise des Wassers.



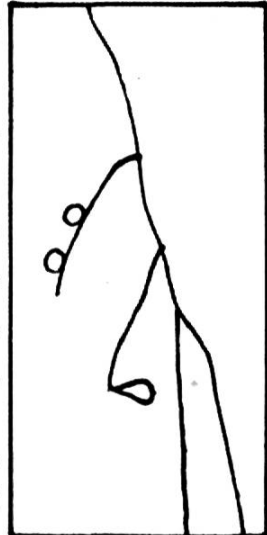
Niederschläge.



Im Fröhling: Befrucht. Regen.

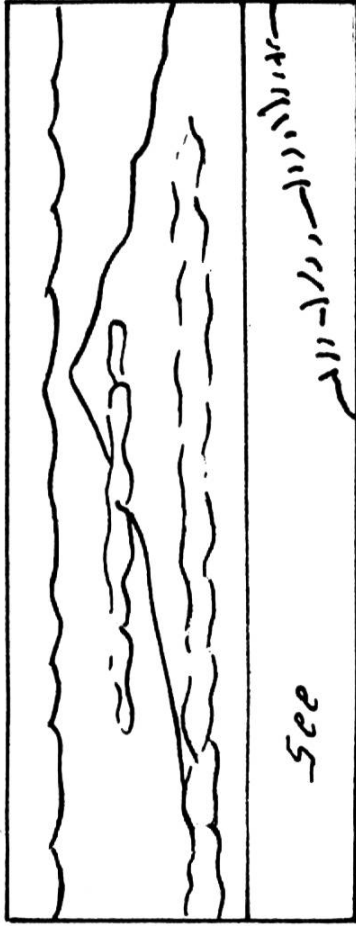


Im Sommer: Gefährliche Gewitter. Im Winter: Schnee u. Niesel.

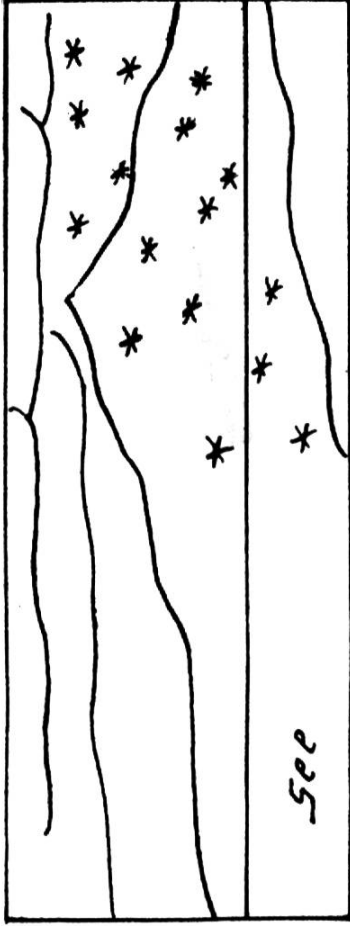


Halte Nächte: Reif, Tau. Rauchreif.

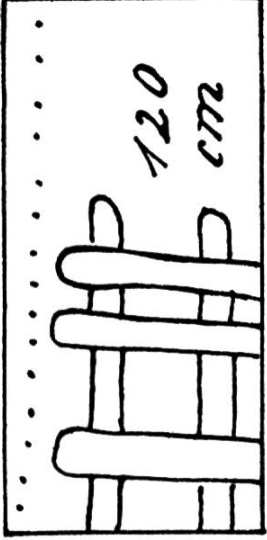
Blatt: 25.



Im Herbst: Ungesunder Nebel.



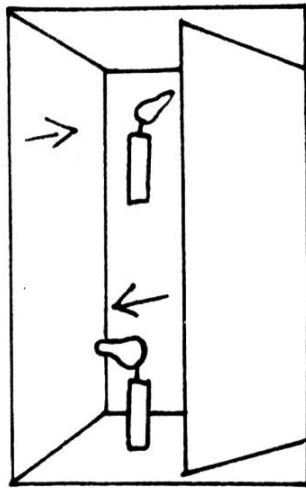
Im Winter: Schnee u. Niesel.



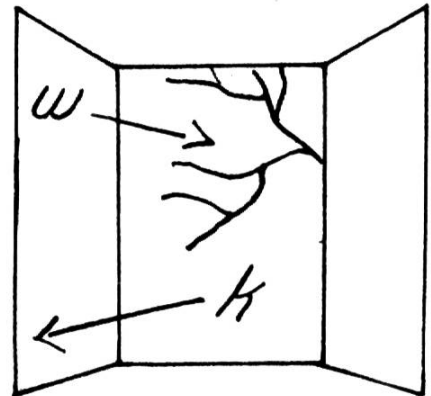
Niederschläge des Jahres.

120 cm

Die Winde.



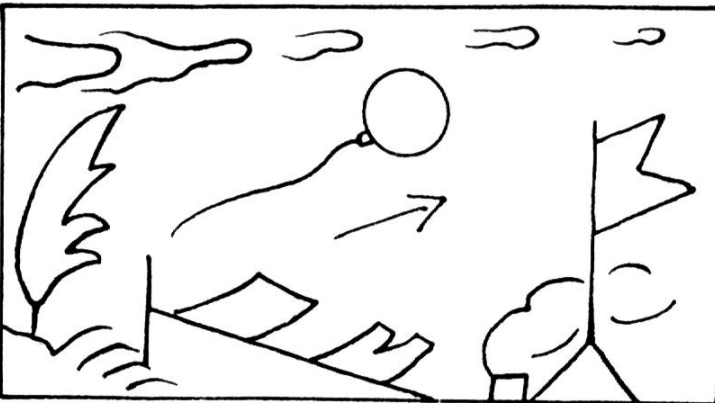
Blatt: 26.



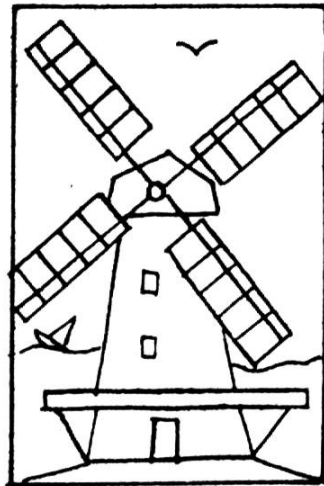
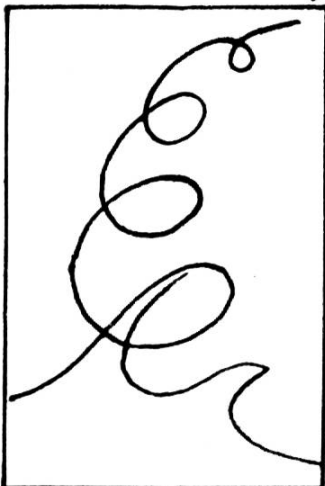
Druck- und Wärmeveränderungen



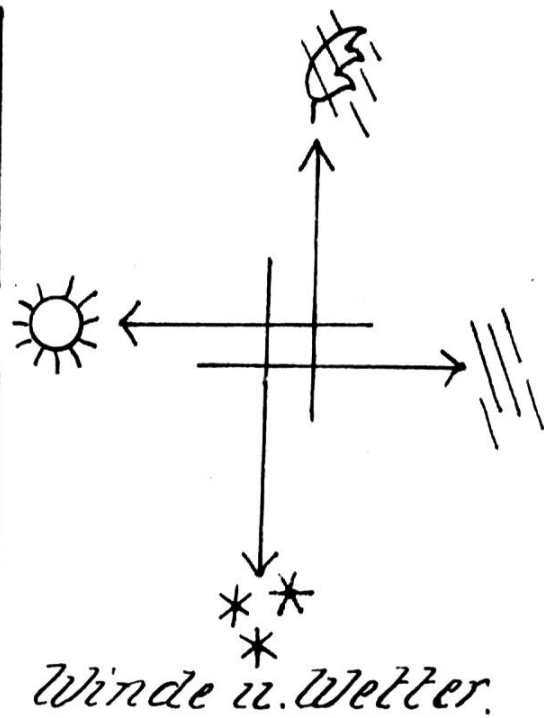
Windstärken



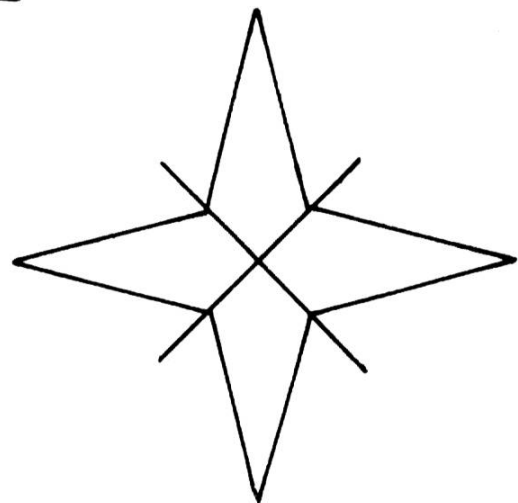
Erkennungszeichen.



Wirbelwind Arbeit



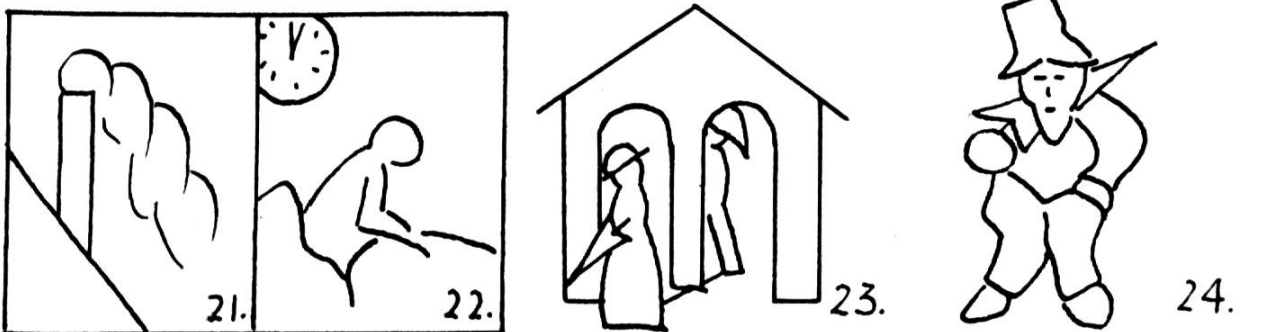
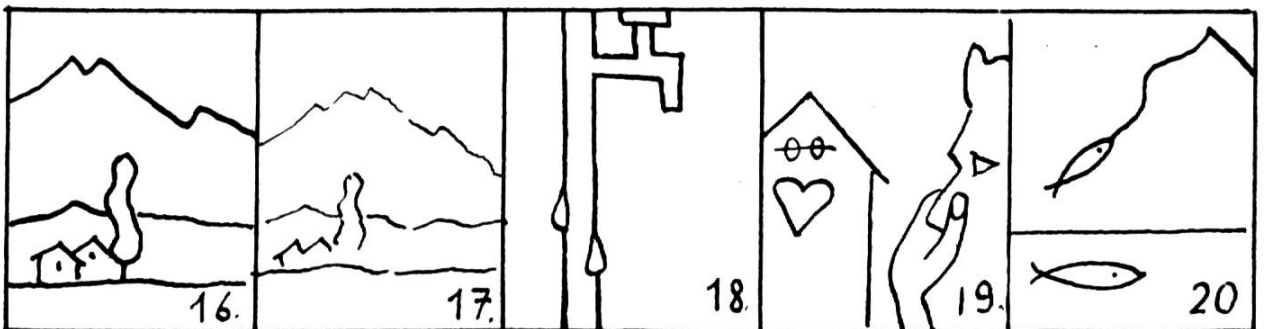
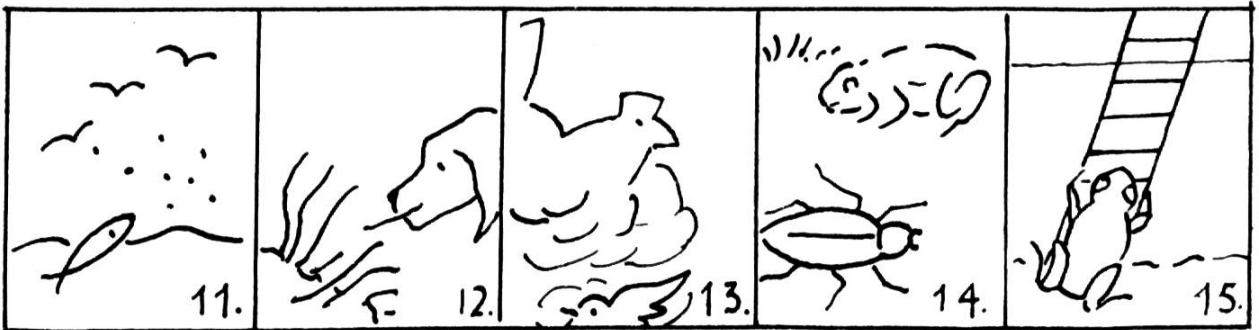
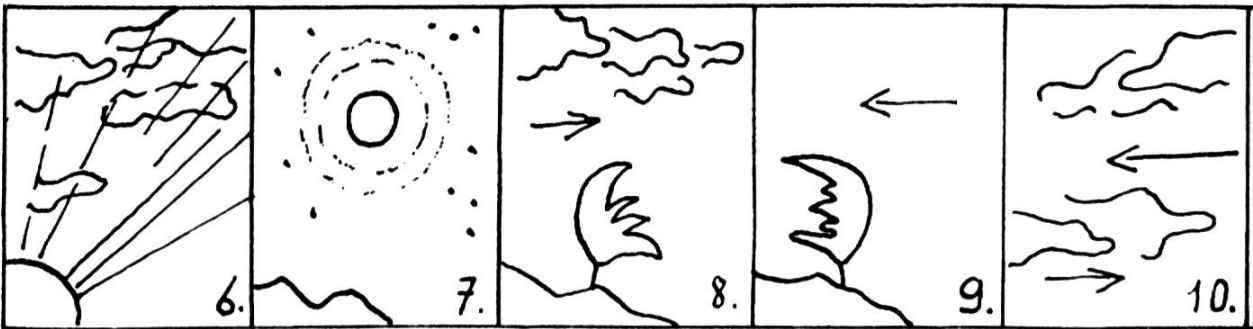
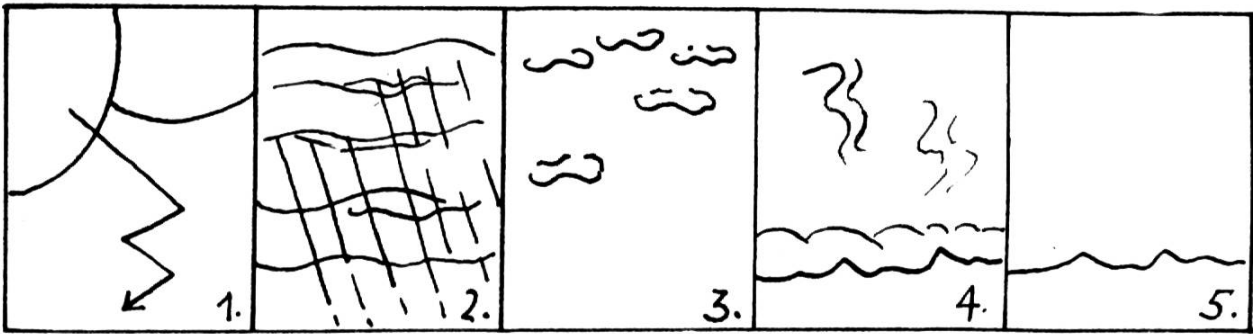
Winde u. Wetter.



Windrose.

Wetterzeichen.

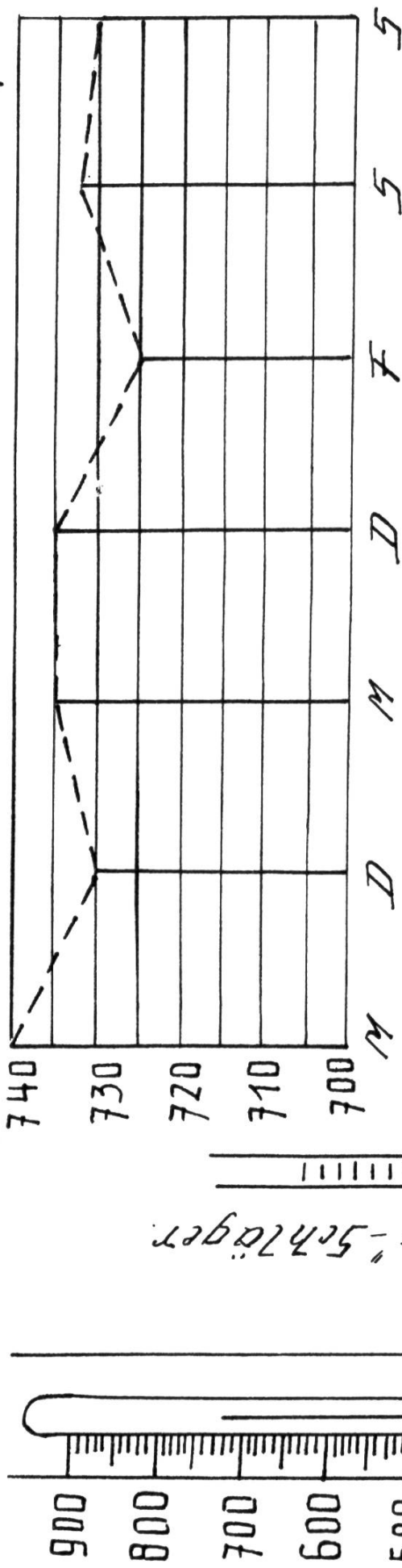
Blatt: 27.



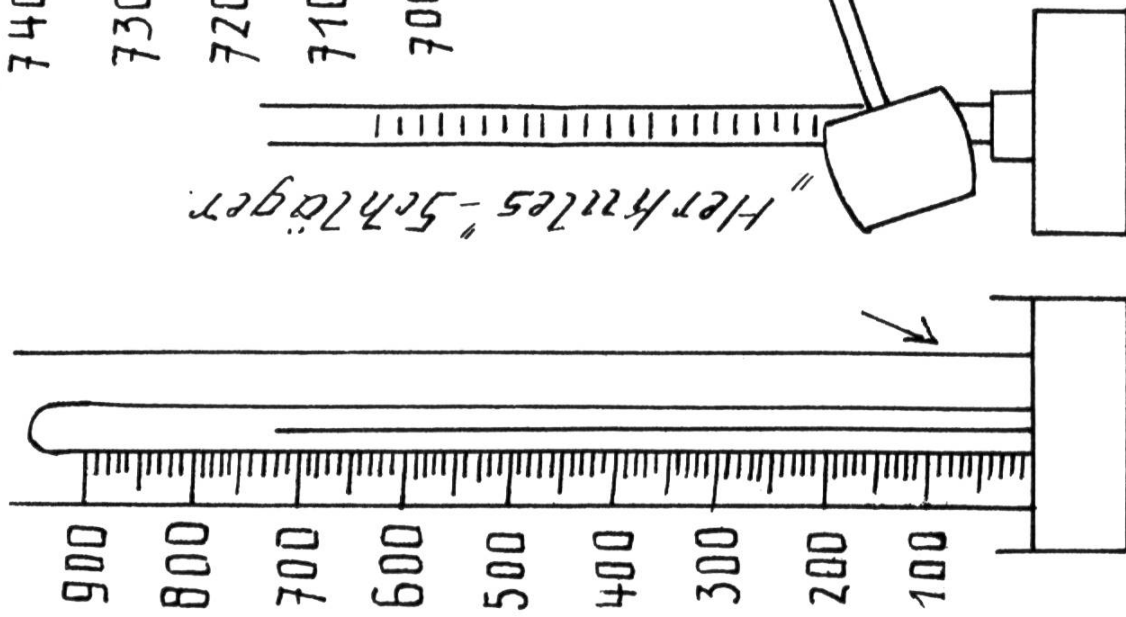
Schönes oder schlechtes Wetter?

Der Barometer.

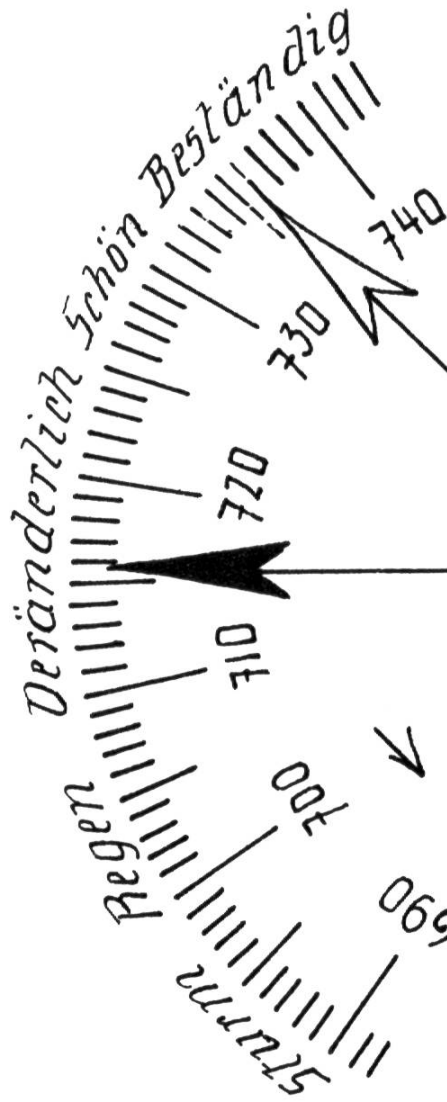
Blatt: 28.



"Herkrules"-Schläger.



Drucksilberbarometer

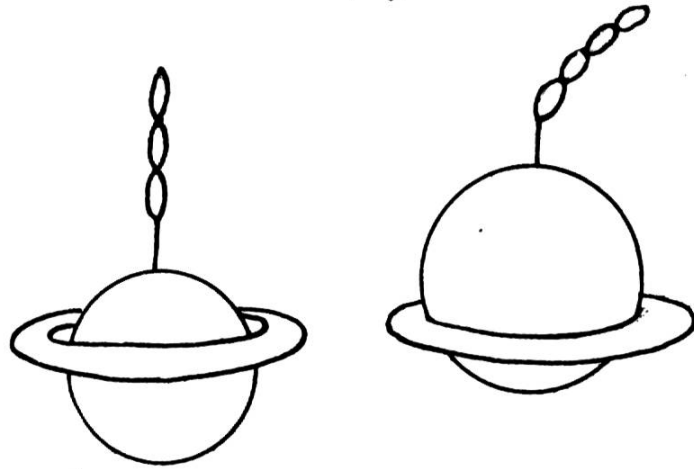
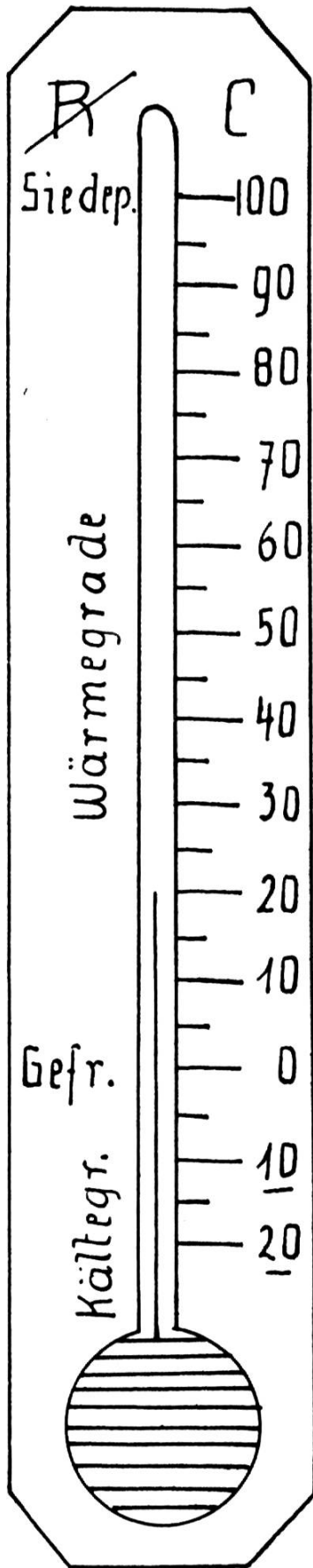


Dosenbarometer

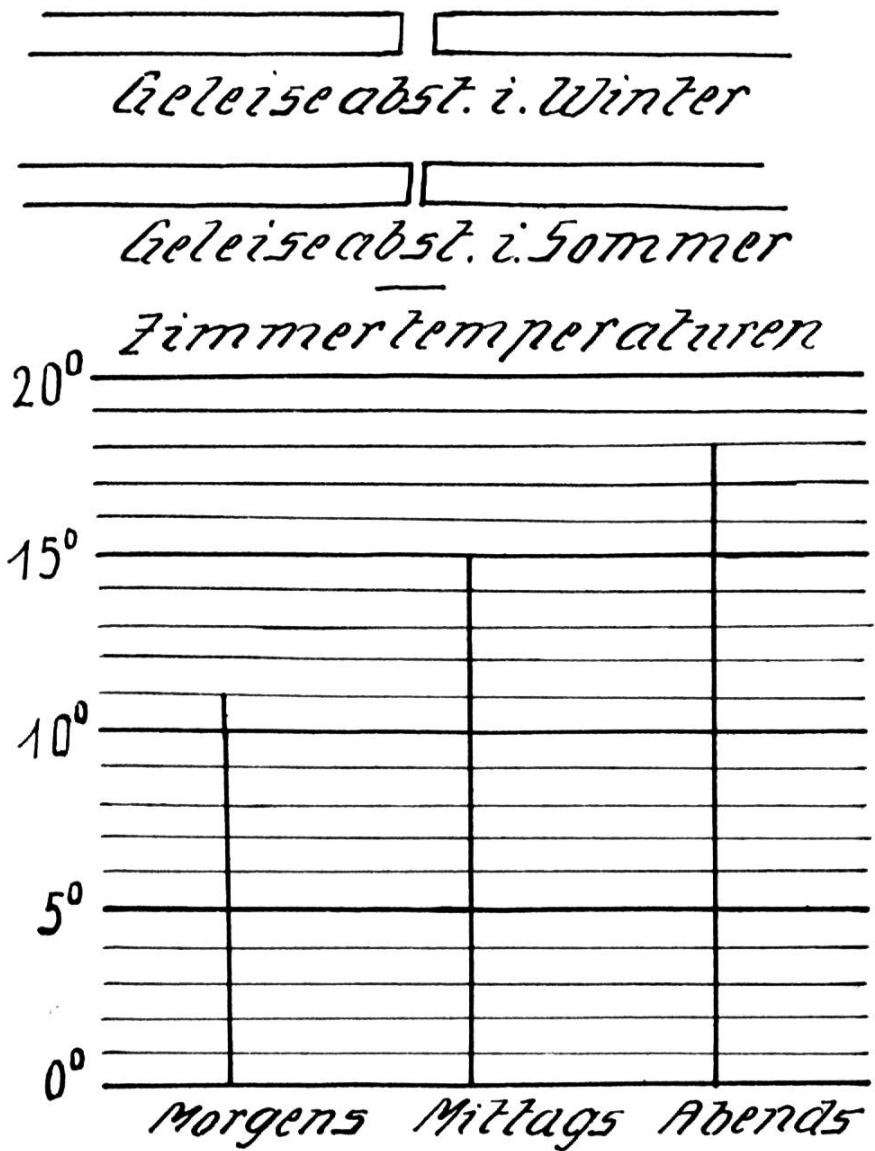
Das Thermometer.

Blatt: 29.

(Wärmemesser)



vor dem Erwärmen nach dem Erwärmen.



leise abt. i. Winter

leise abt. i. Sommer

Zimmertemperaturen

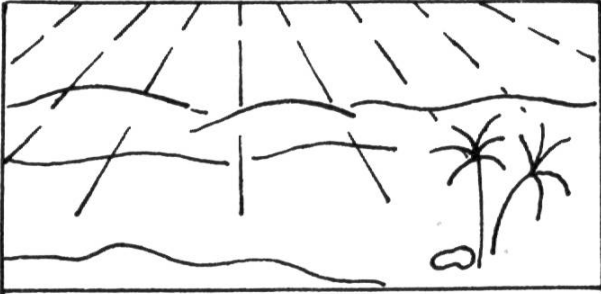
Morgens Mittags Abends

Das Klima.

Blatt: 30.

(Wärme, Wind, Niederschläge, das „Wetter.“)

Trocken-heißes Klima



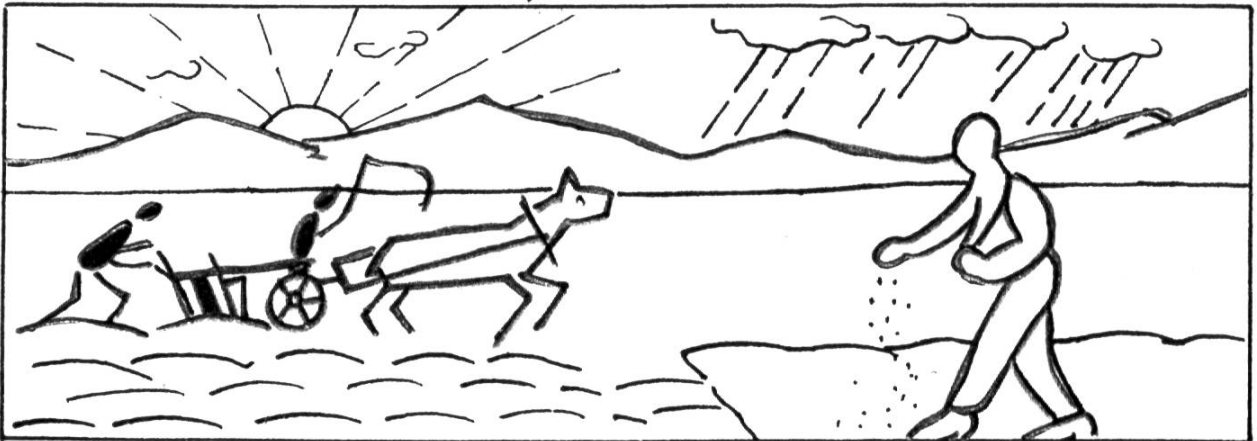
tötet Pflanzen und
Tiere (Wüste)

Feucht-heißes Klima



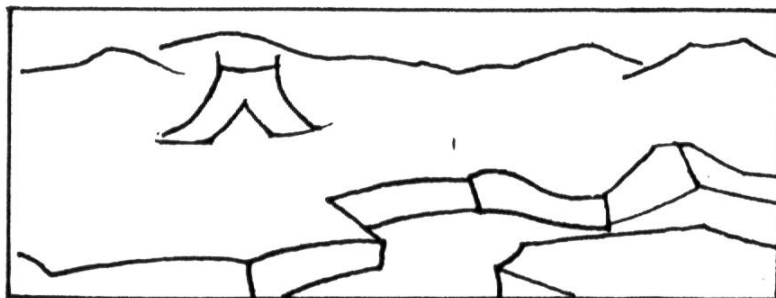
erzeugt märchenhaf-
ten Pflanzenwuchs.

Das gemäßigte Klima



lohnt die Arbeit
(Heimat.)

Das kalte Klima



macht das Leben schwer
(Eisländer)

Die Quelle:

Regen

Dunst

Tropfen

Moss

Wurzeln

Erde

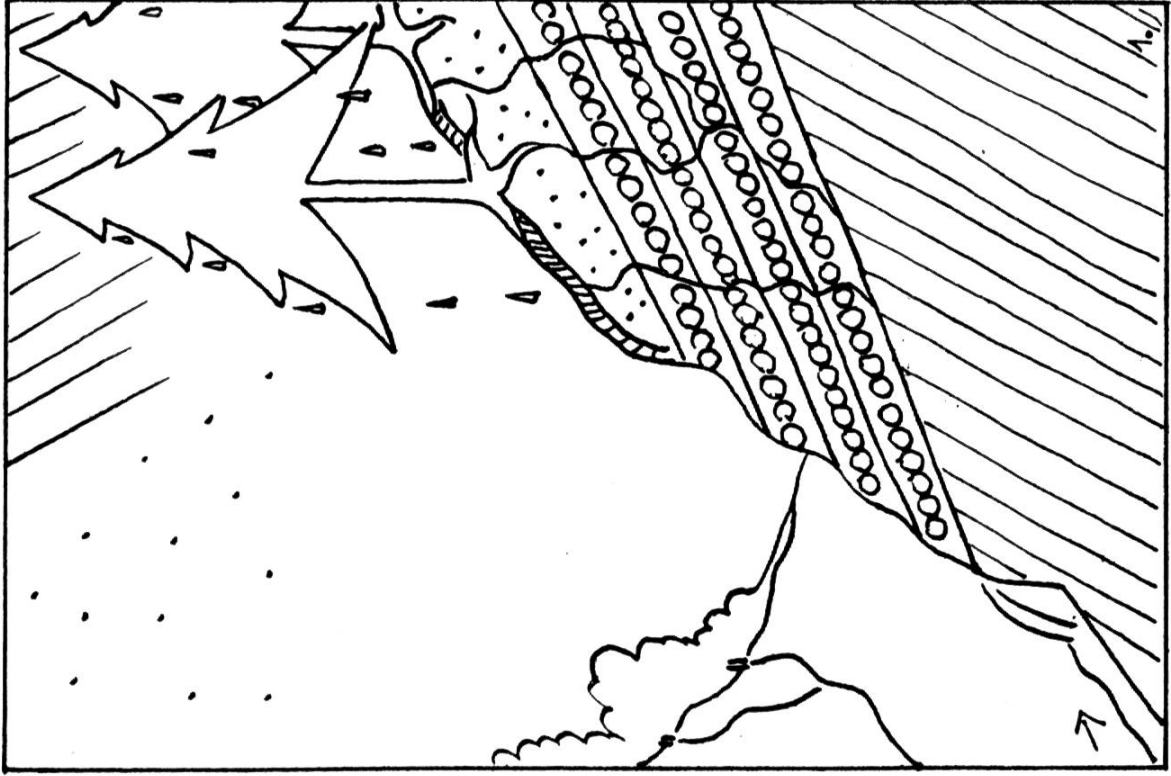
Gries

Unterird.

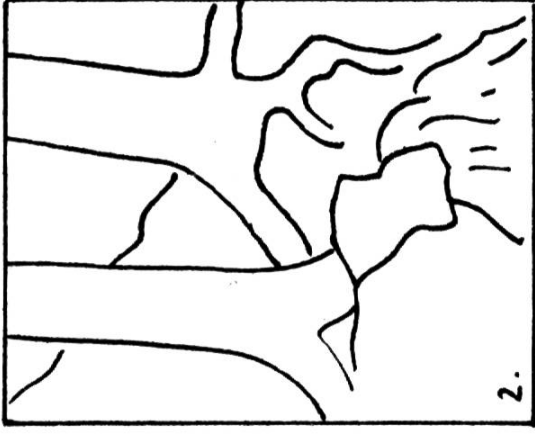
Bach.

Felsen

Quelle



Blatt: 31.



fallen

steigen

tropfen

saugen

Waldquelle



sichern

reinigen

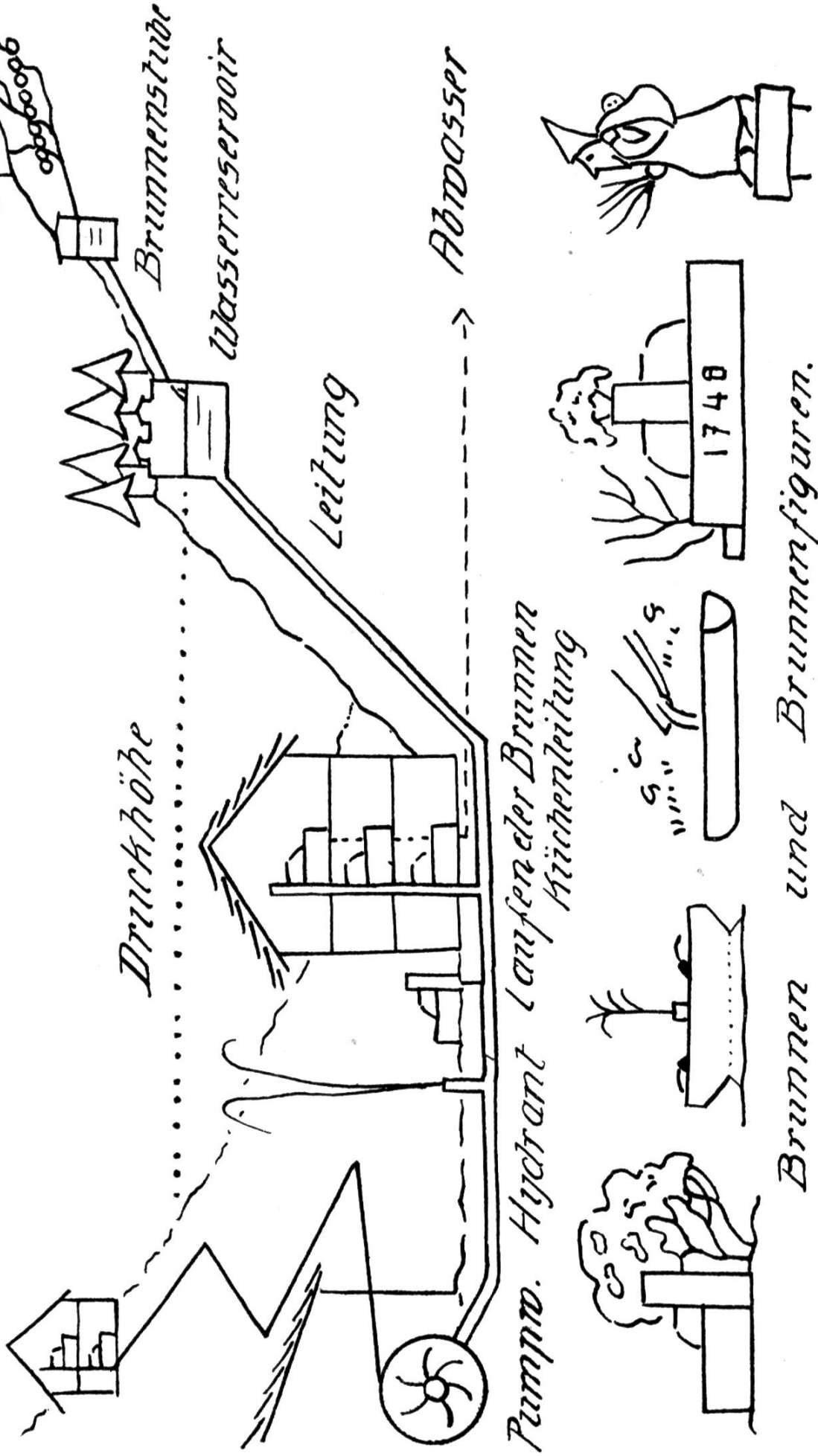
fließen

aufhalten

herausquellen Wiesenquelle

Quelle Wasser Versorgung.

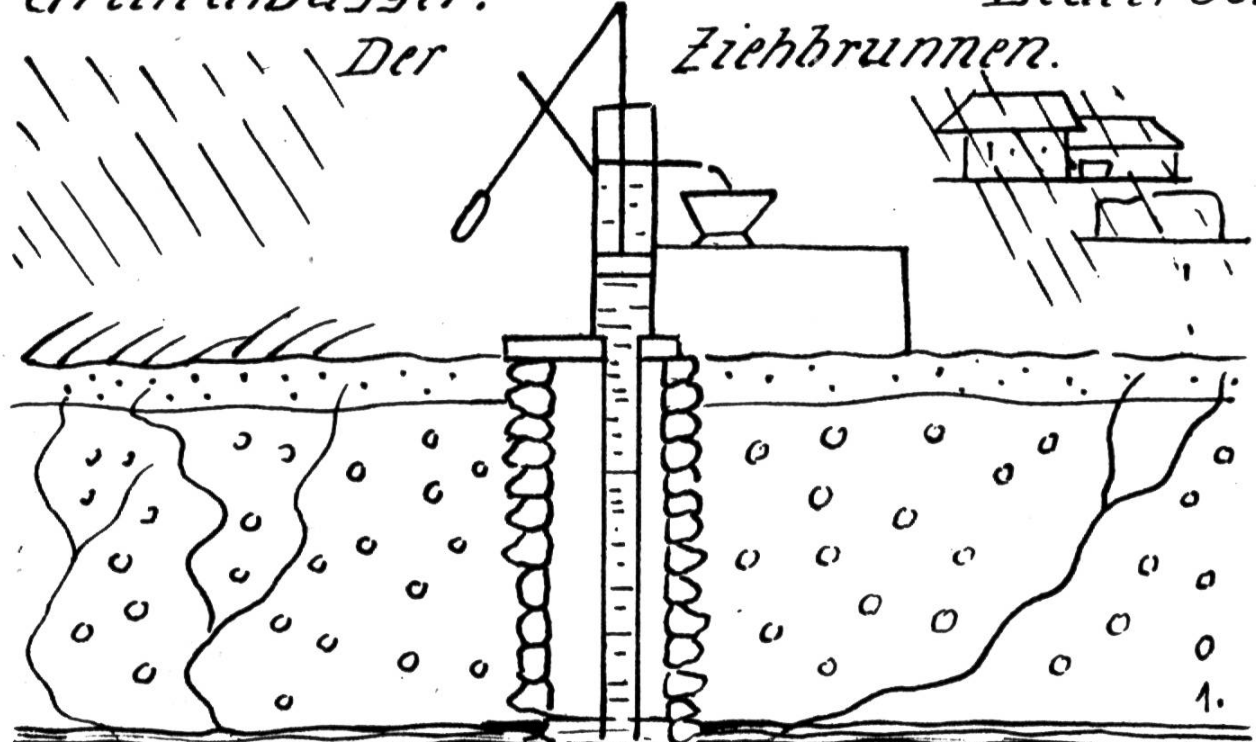
Blatt: 32.



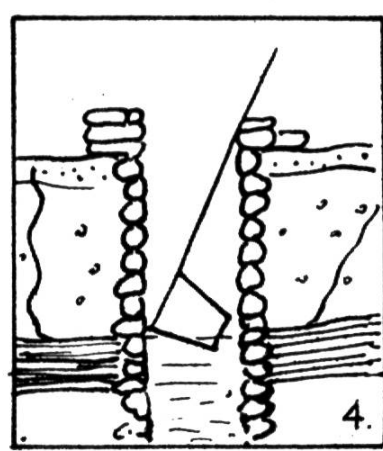
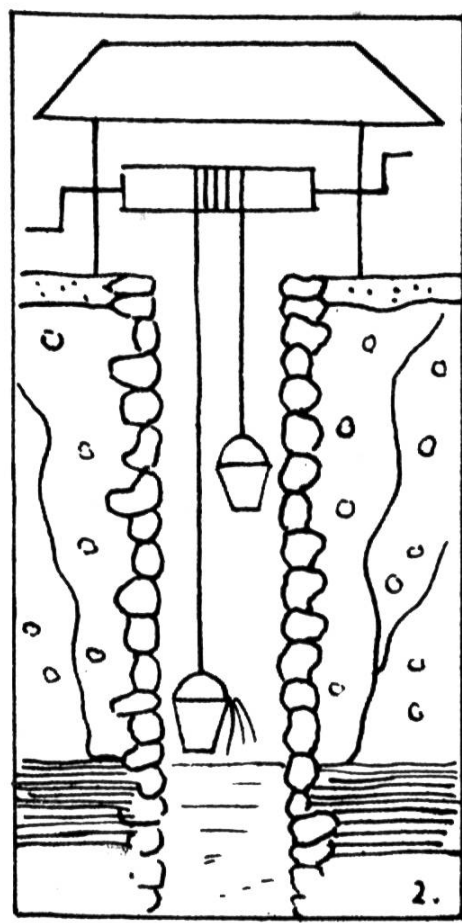
Grundwasser.

Blatt: 33.

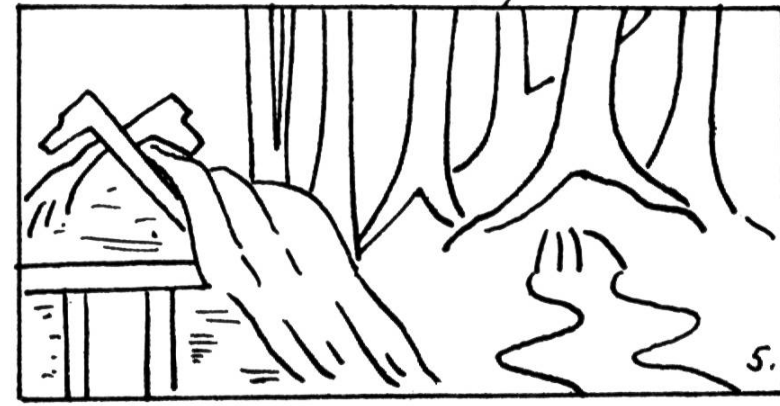
Der Ziehbrunnen.



Rein? - Kein Trinkwasser. - Verunreinigt.



Schöpfbrunnen

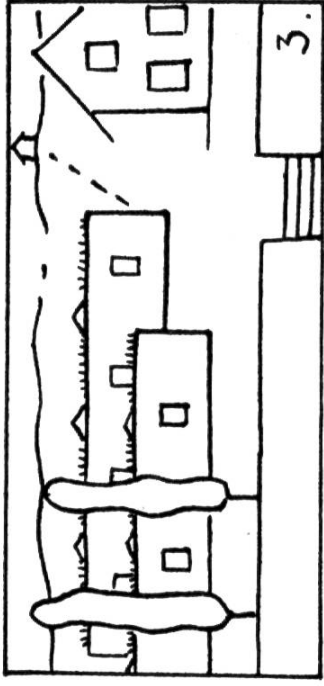
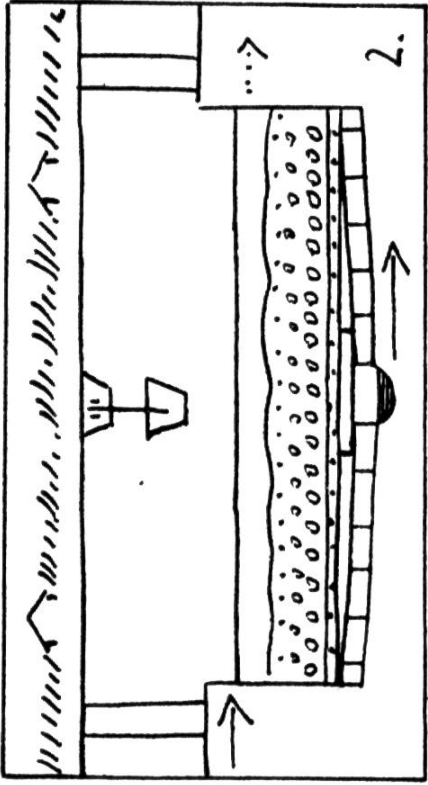
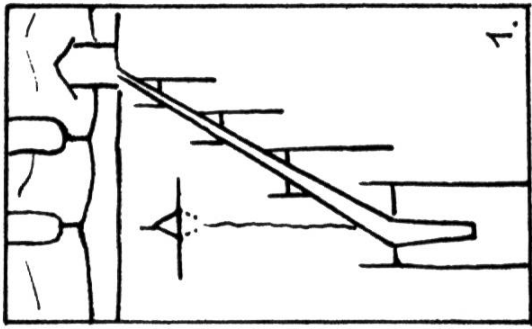


Sodbrunnen

Alamanne und Quelle.

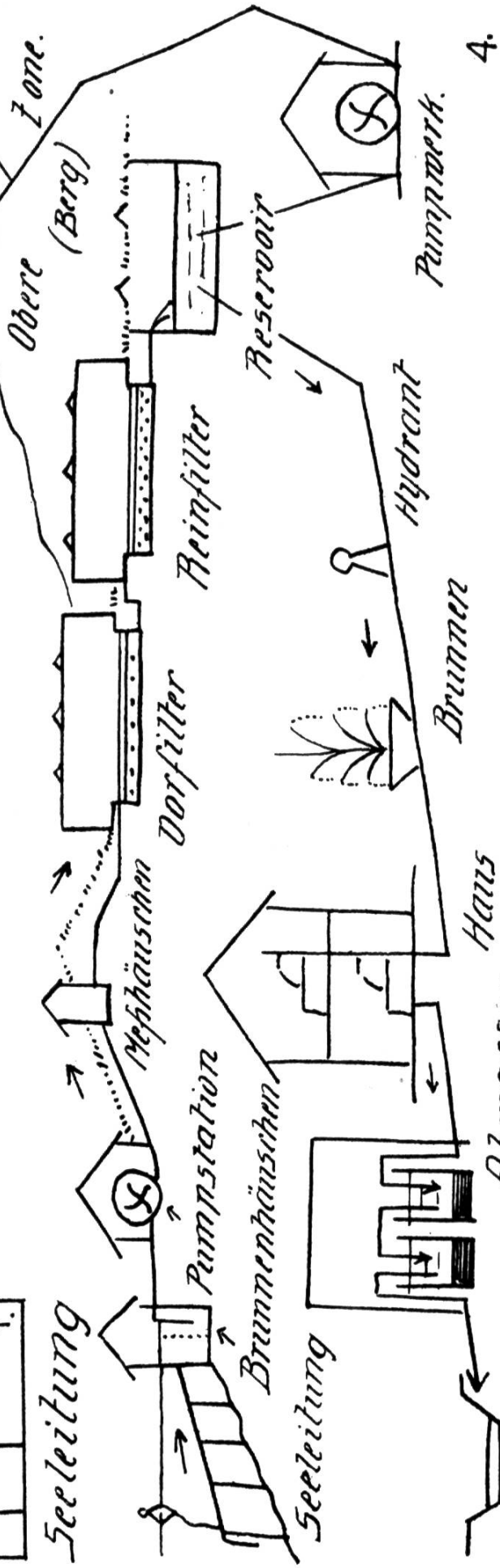
Die Seewasserversorgung.

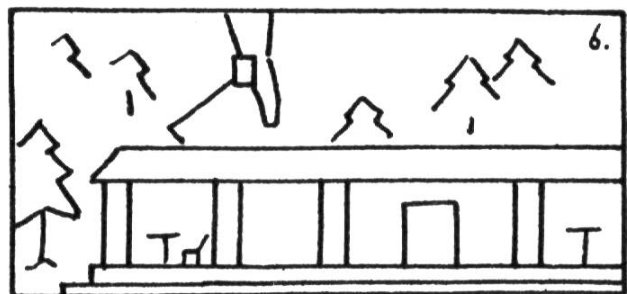
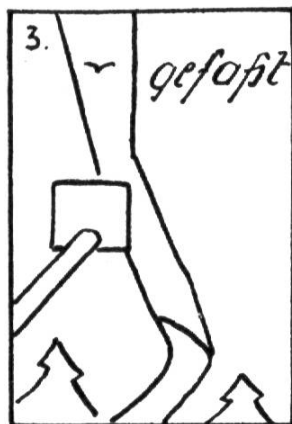
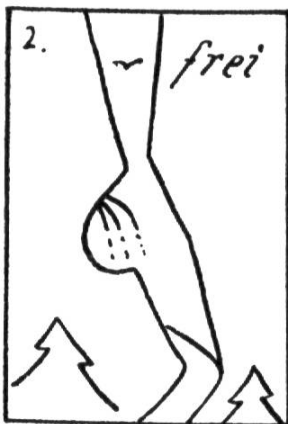
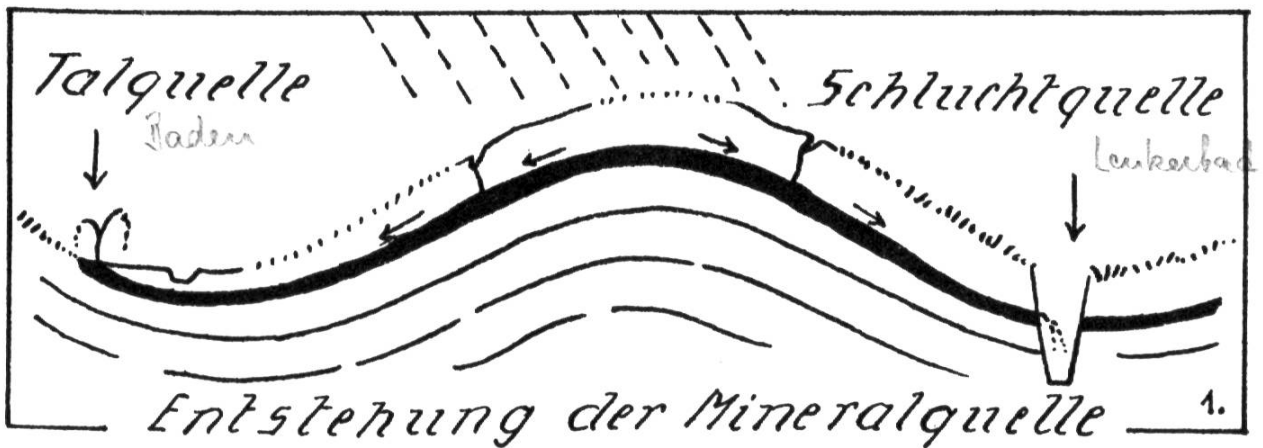
Blatt: 34.



Filteranlage.

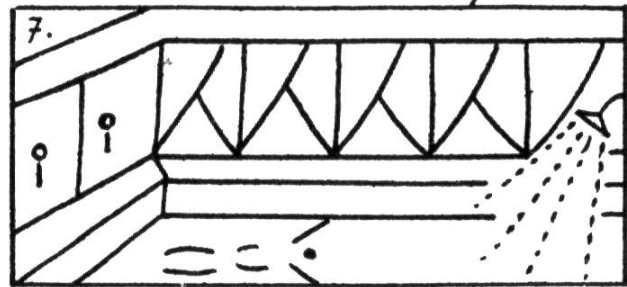
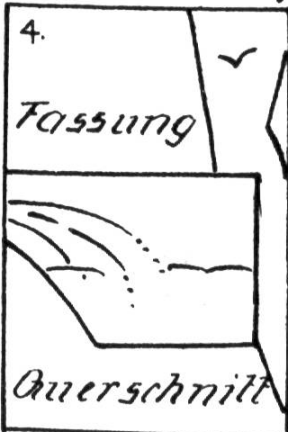
Filterbecken (Schmitz)



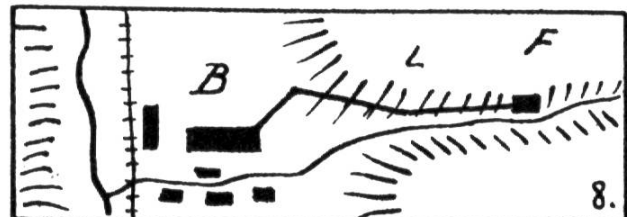


Badehalle m. Quellfassung.

Schluchtquelle.



Inneres der Badehalle.

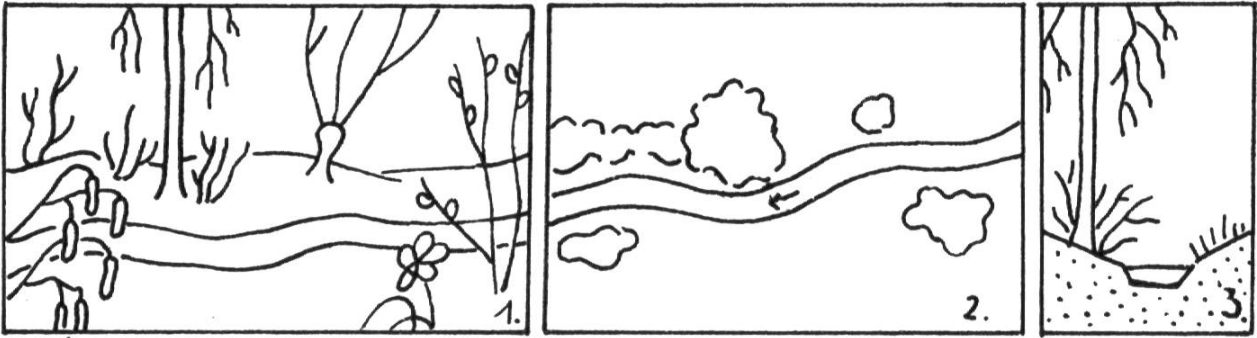


naturrein, mit Früchten. Badeort, Leitung, Fassg.

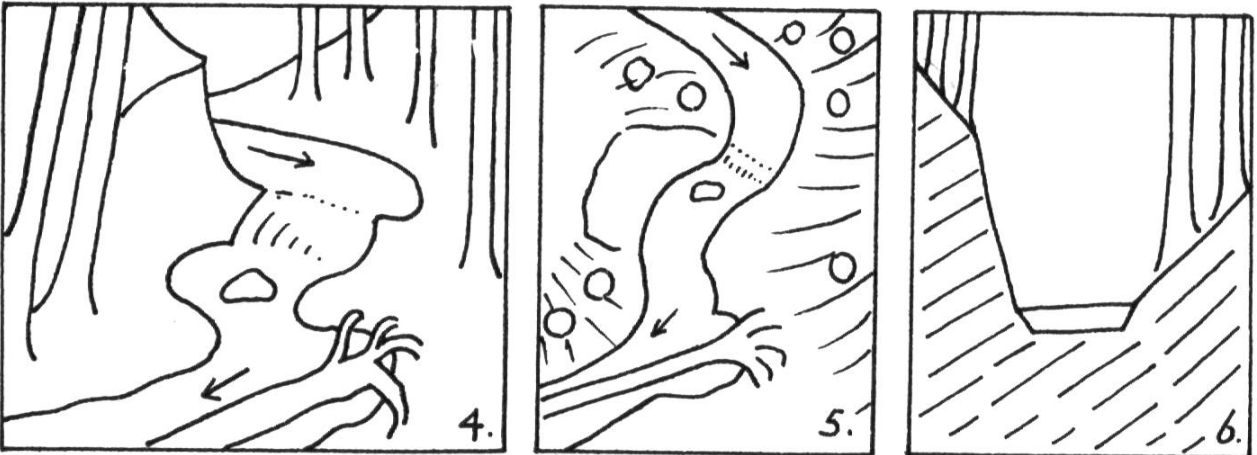


Altes öffentliches Bad.

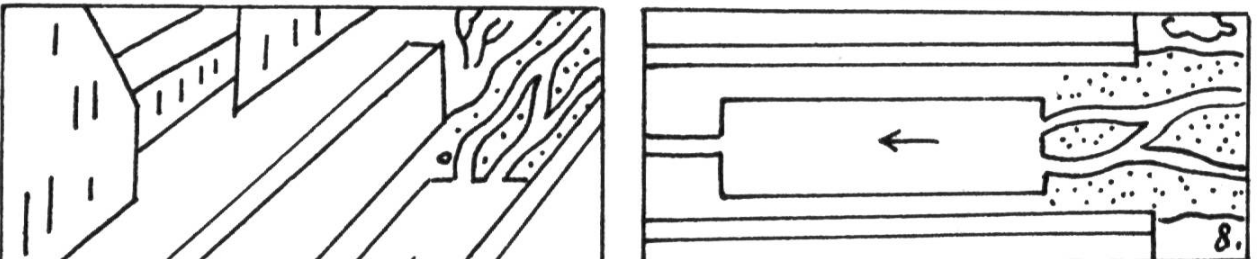
Von der Schönheit der Bäche. Blatt: 36.



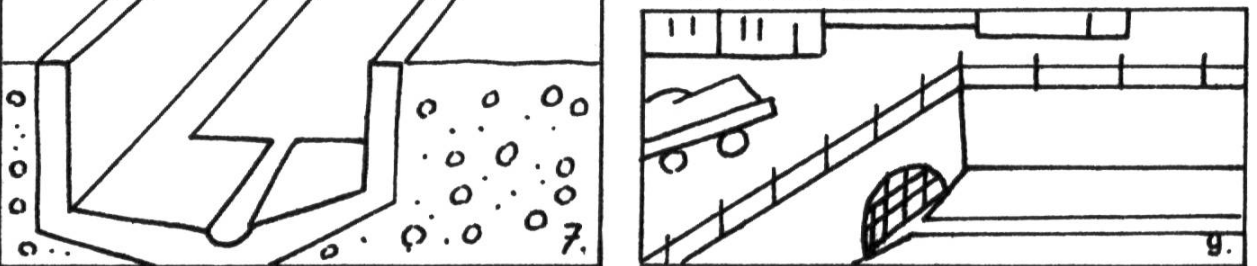
Wiesenbächlein: Bild Plan Querschnitt.



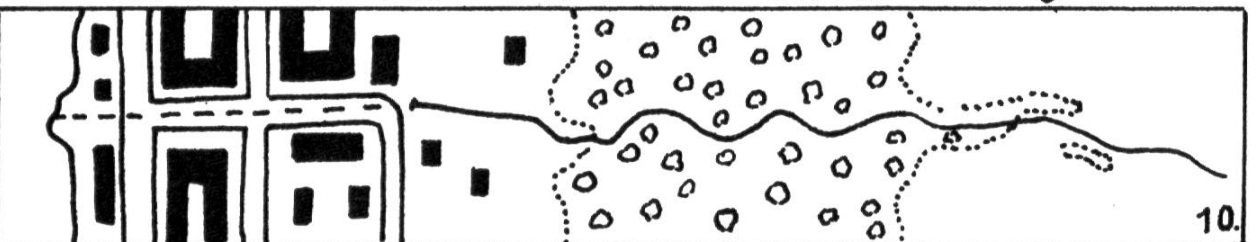
Waldbach: Bild Plan Querschnitt.



Stadtbach: Plan.



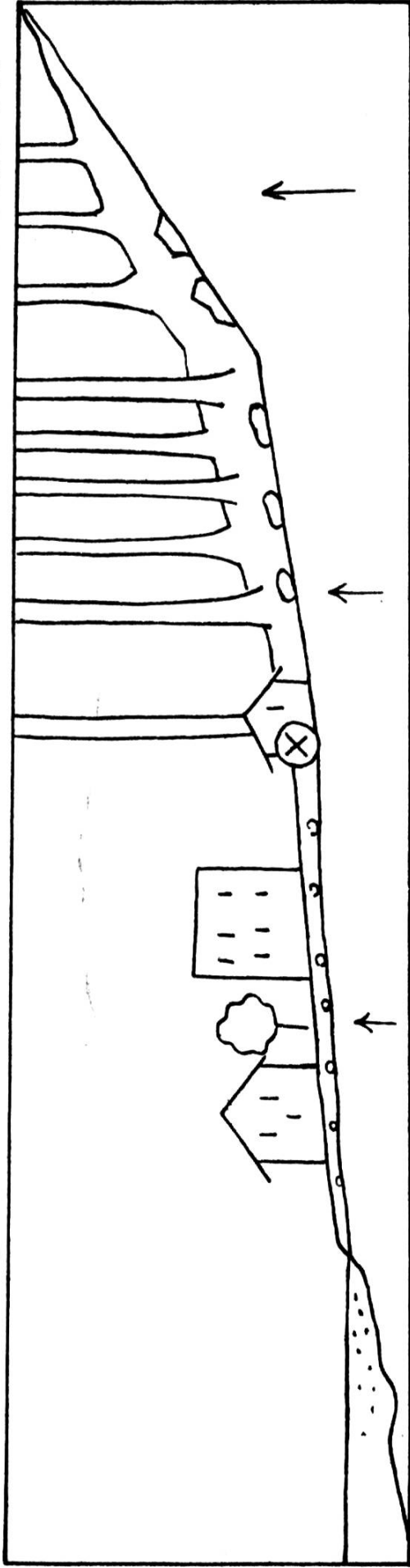
Stadtbach: Querschnitt Eindeckung



Vom Wiesenbächlein zum Wald- und Stadtbach.

Don der Kraft unseres Baches.

Blatt: 37.



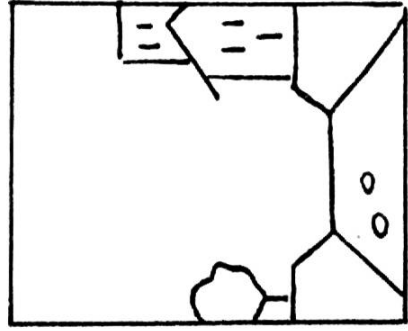
See Mündung
kein Gefälle
Schlamm Sand

Unterlauf
kleines
Bachbett
Hies

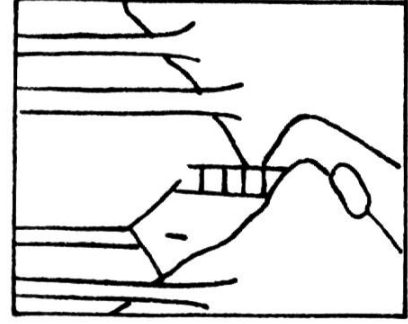
Mittellauf
mittleres
Tal
Gerölle

Oberlauf
grasses Gefälle
Tobel
Geschiebe

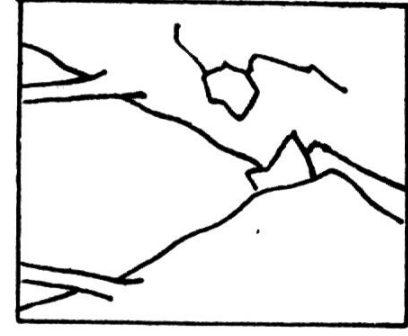
Querschnitte
zu
den obigen
Talstufen.



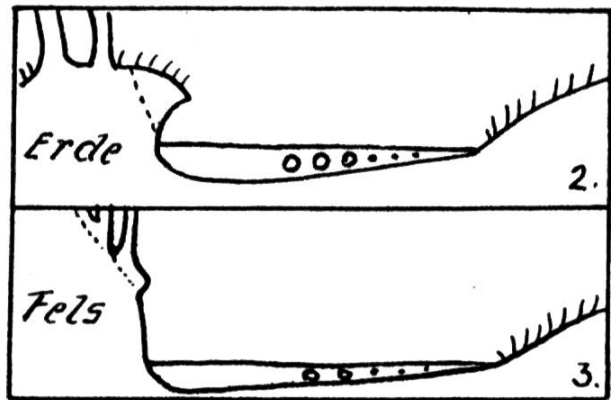
Dorf, Stadt



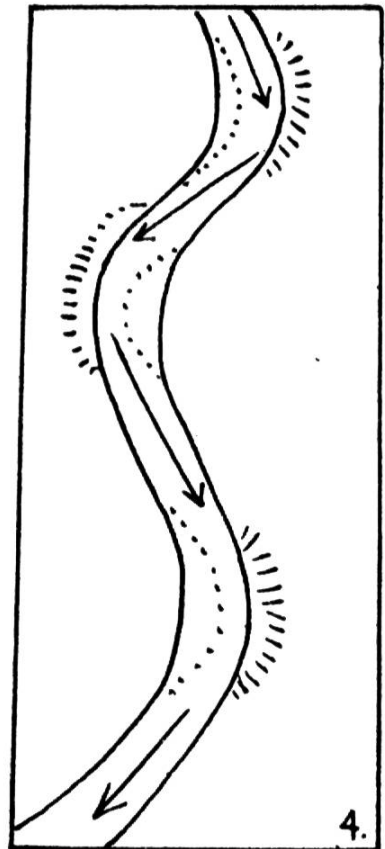
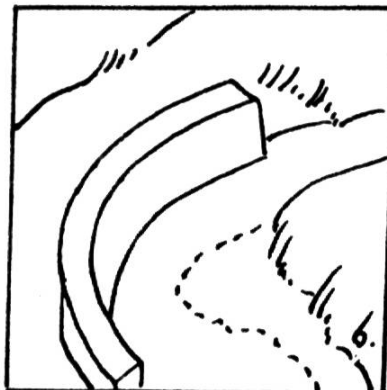
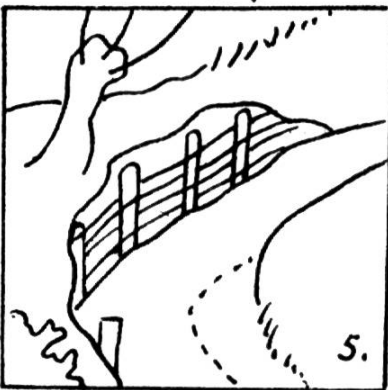
Mühlen, Sägereien



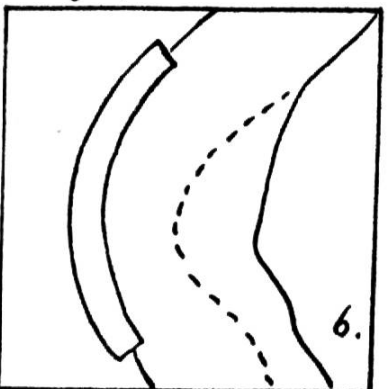
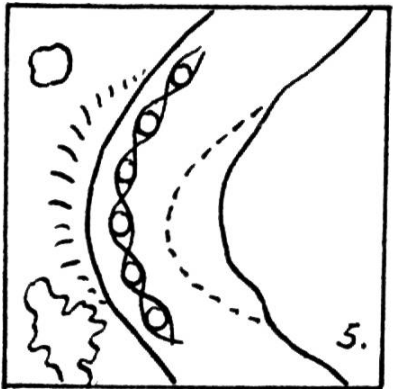
unbewohnt



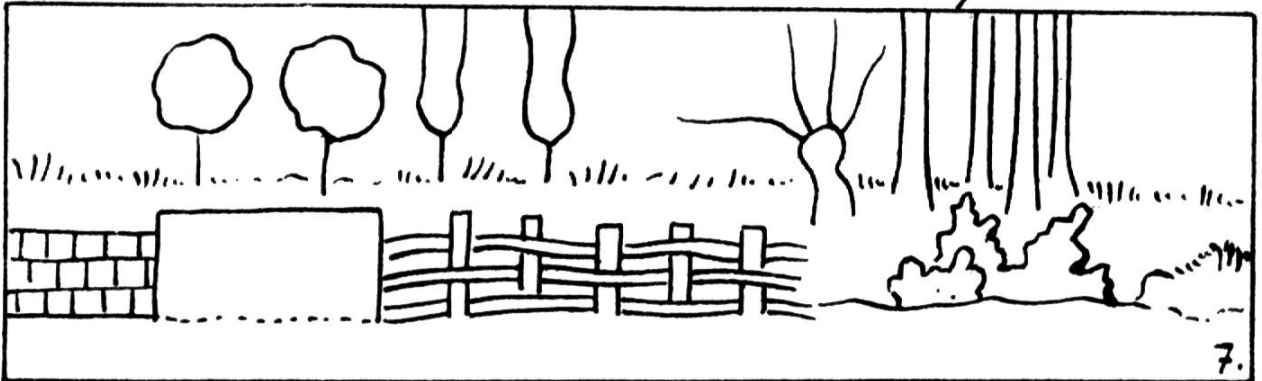
Das angefressene Ufer. Steil- und Flachufer.



Geschützt: Rutenhage, Mauern.



Plane zu obigen Ansichten. Serpentinien.

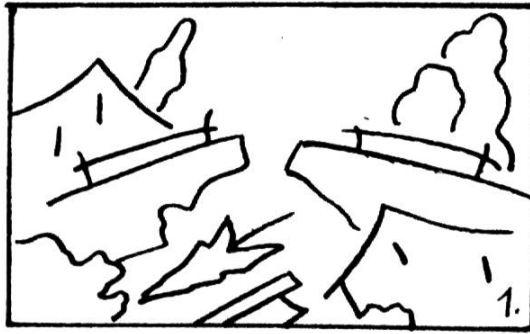


Geschütztes Ufer.

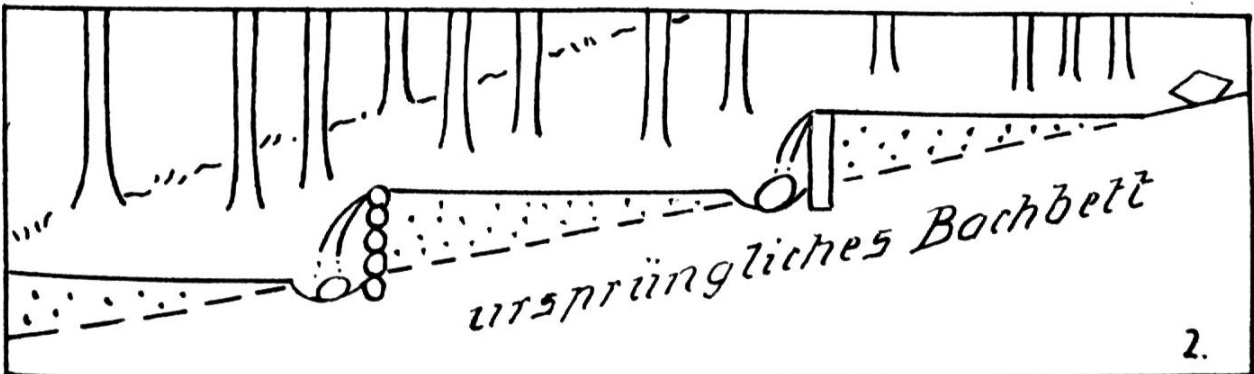
Die Bachverbauungen.

Blatt: 39.

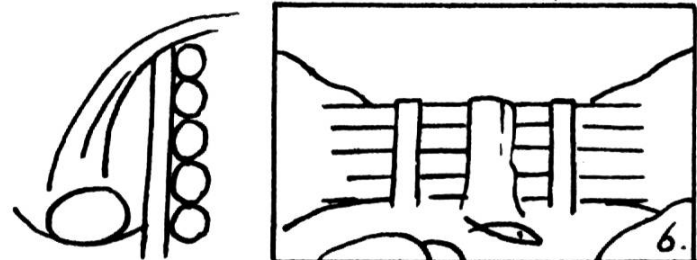
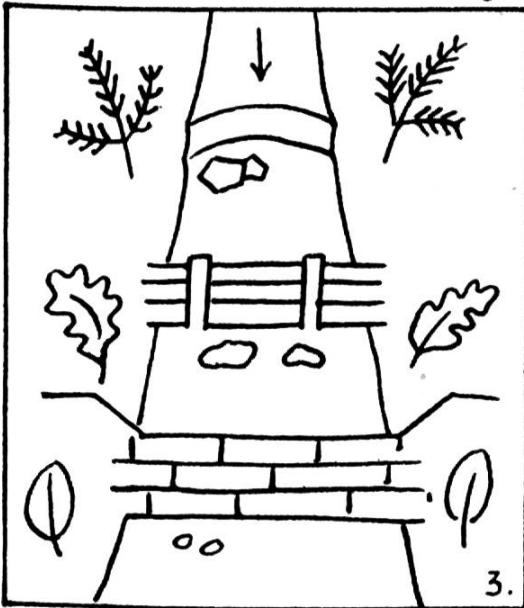
Die Zer-
störungen



des
Wildbaches.

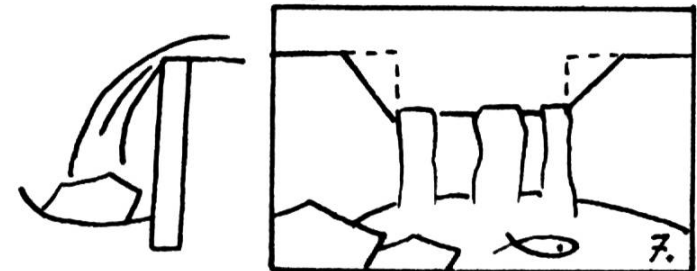
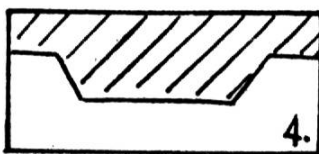


Die Zählung des Wildbaches.

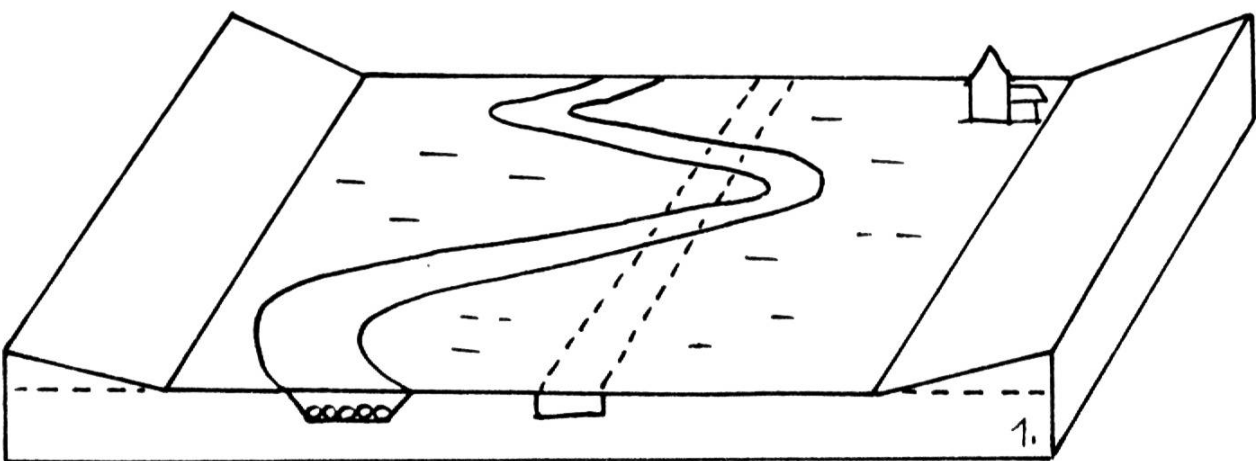


Im Sandkasten. Verbauung m. Baumst.

Ob. Teil - Schablone.

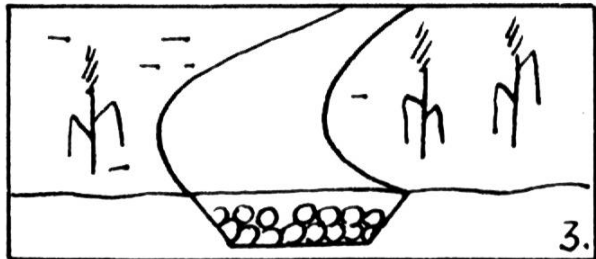
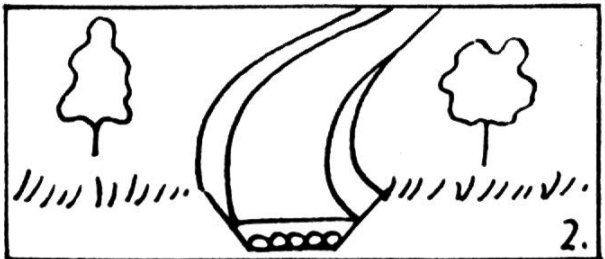


Unt. Teil - Bachbett. Verbauung m. Mauer.



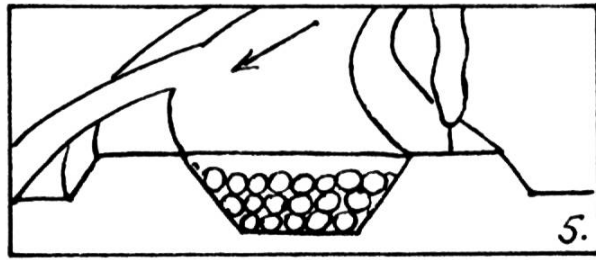
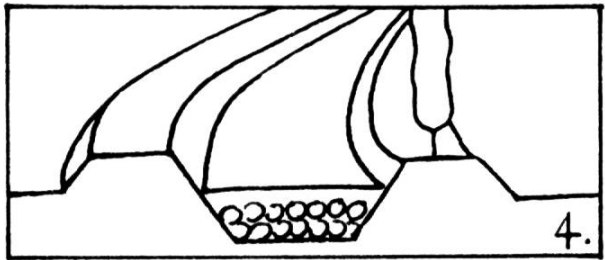
unkorrigiert

Korrigiert



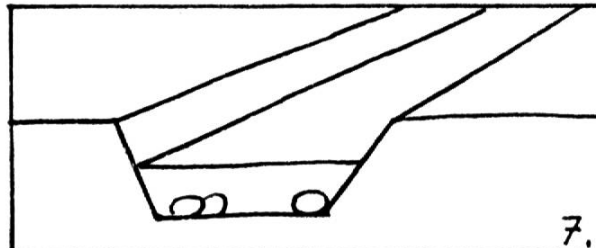
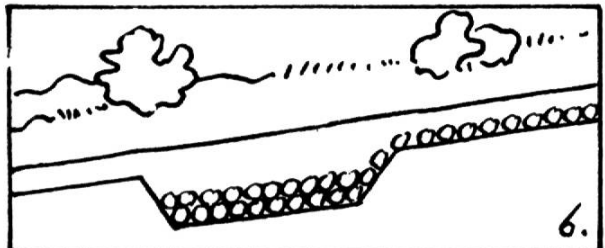
Vor der Überschwemmung

Folgen der Überschwemmung.



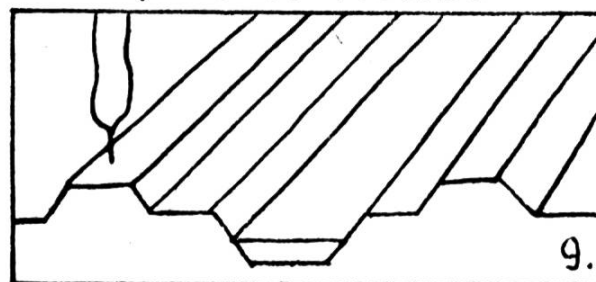
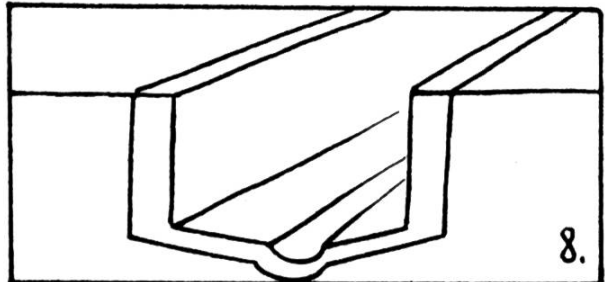
Dämme

Dammbruch.



Steinsammler

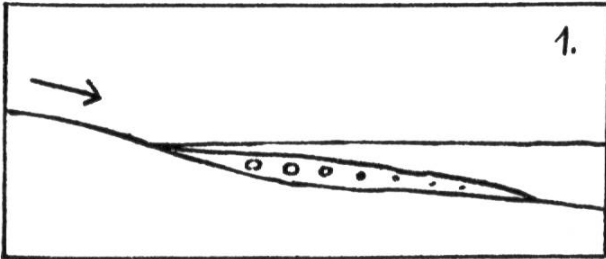
Der gerade Kanal



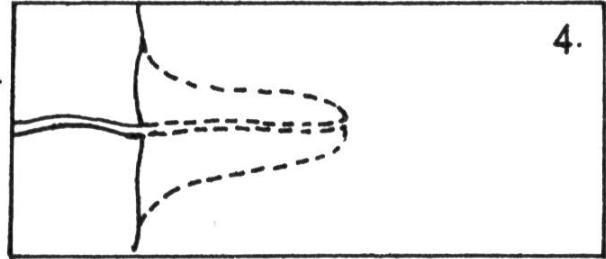
Betonierter Kanal. Hoch- u. Niedrigwasser-Kanal.

Die Ablagerung.

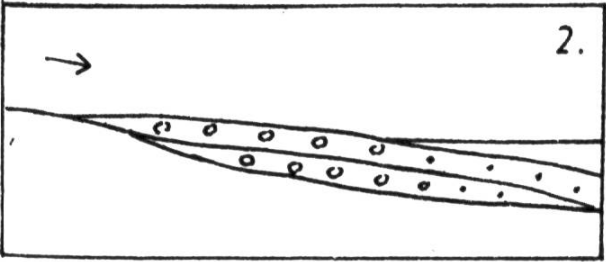
Blatt: 41.



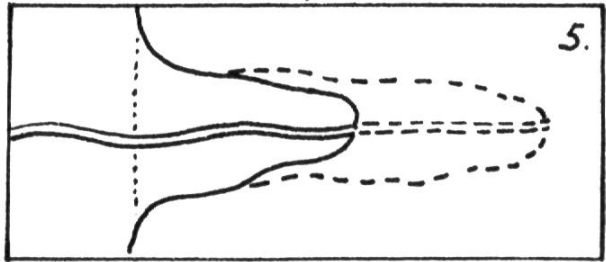
Erste Anschwemmung



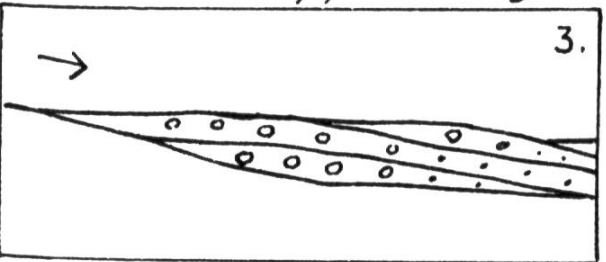
Land Untiefe Tiefe



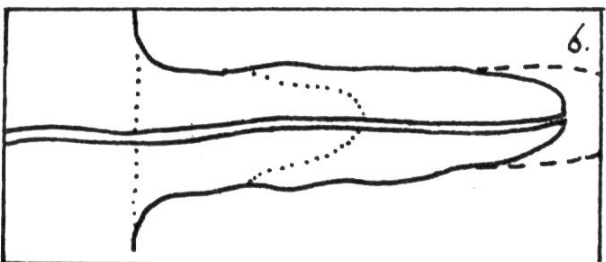
Weitere Auffüllung.



Halbinsel



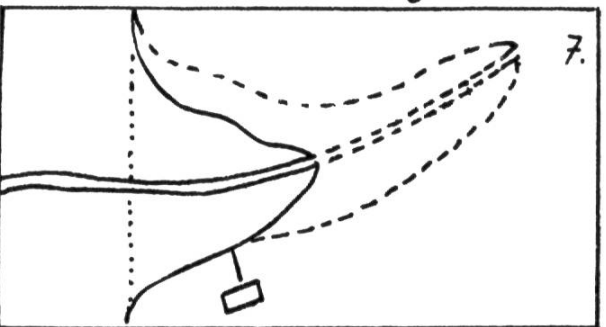
Heutiges Ufer



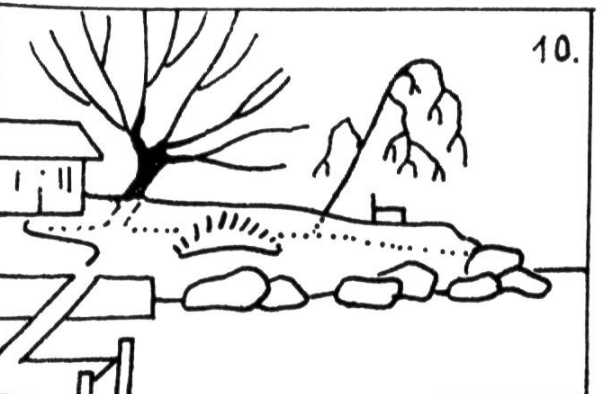
Landzunge



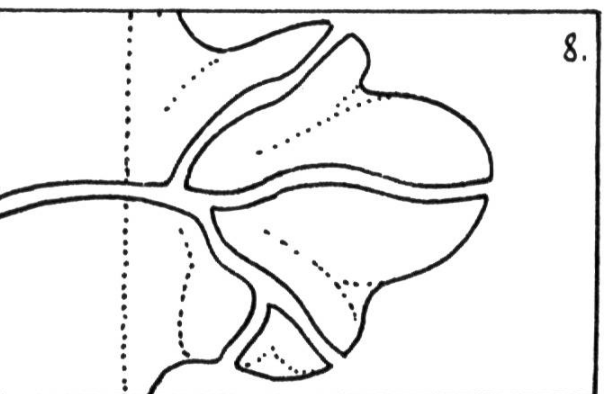
Als Wildnis



Horn



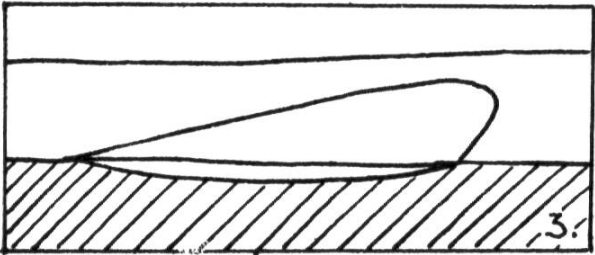
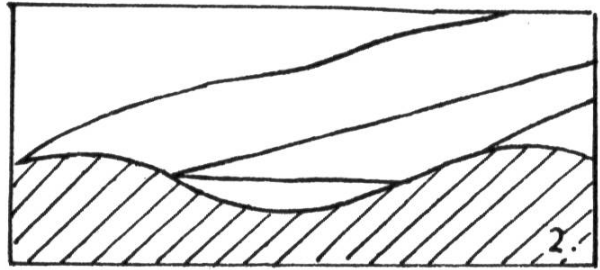
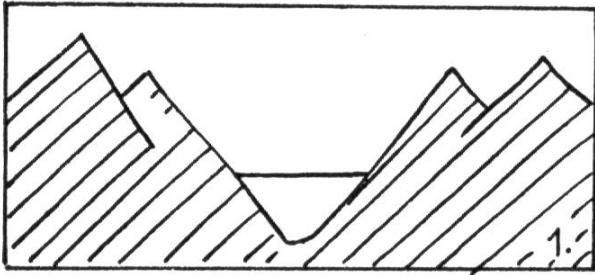
Als Anlage (aufgefüllt)



Delta

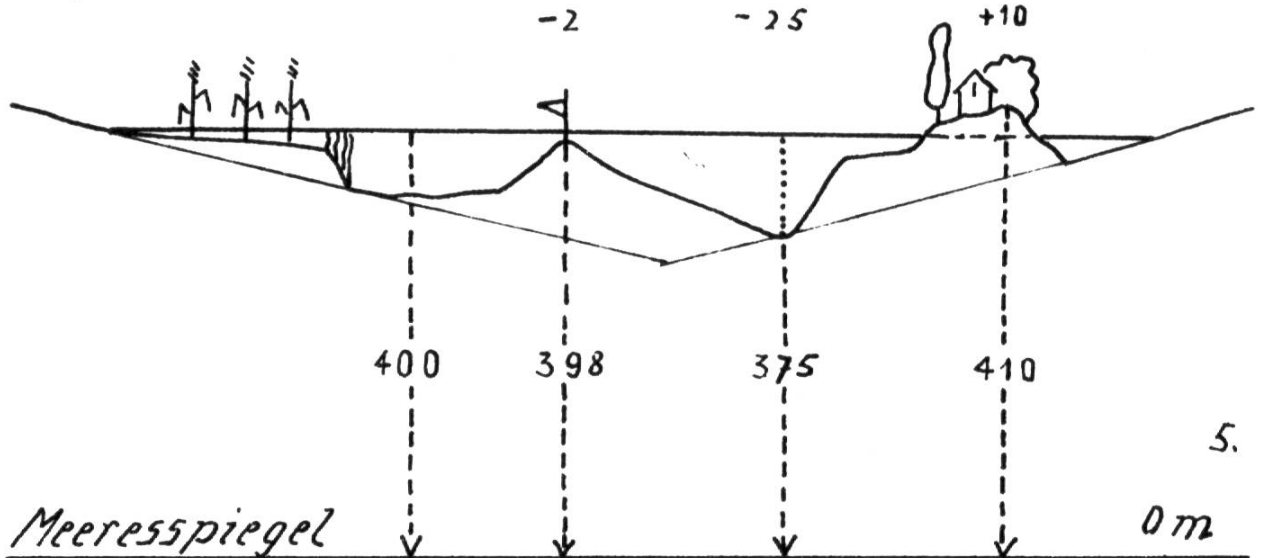
Seegrund und Seetiefe.

Blatt: 42.



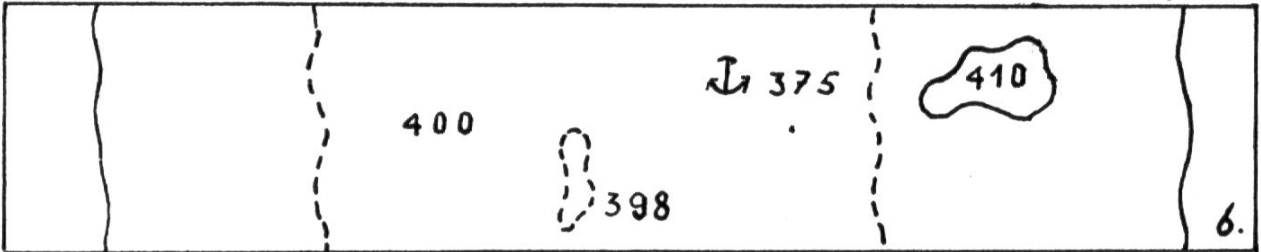
Lage der Seen.

Insel (Silhouette)



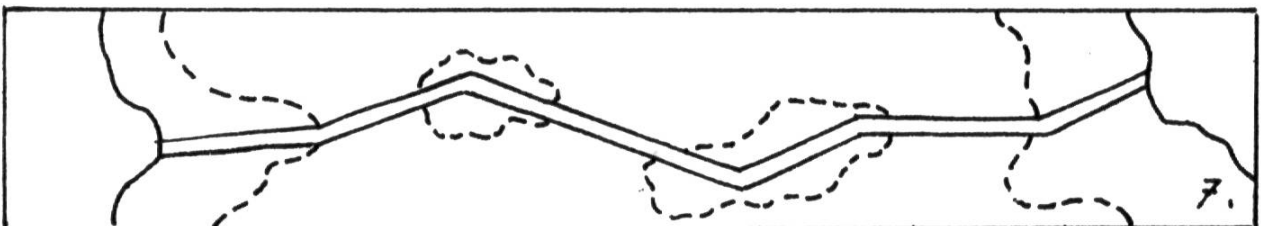
5.

Ufer Halde Untiefe Tiefe Insel Ufer



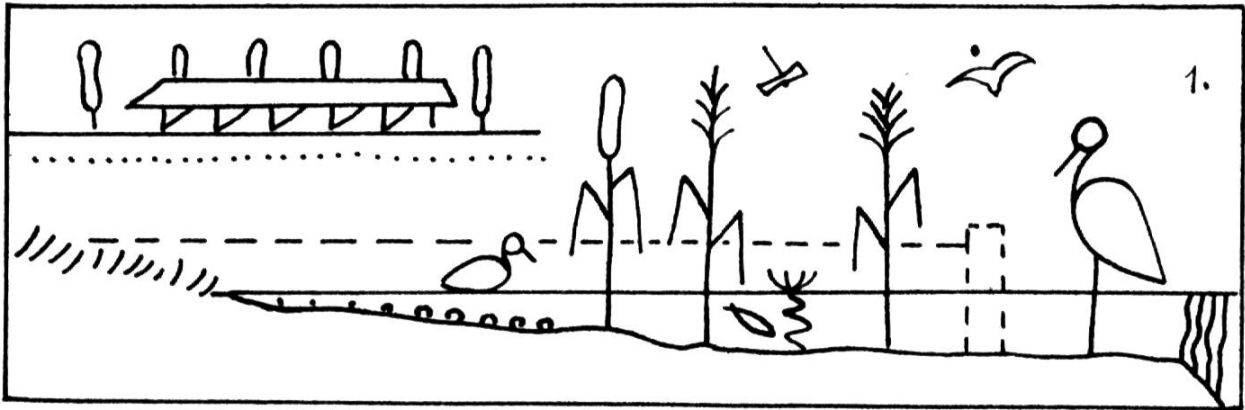
6.

Plänchen

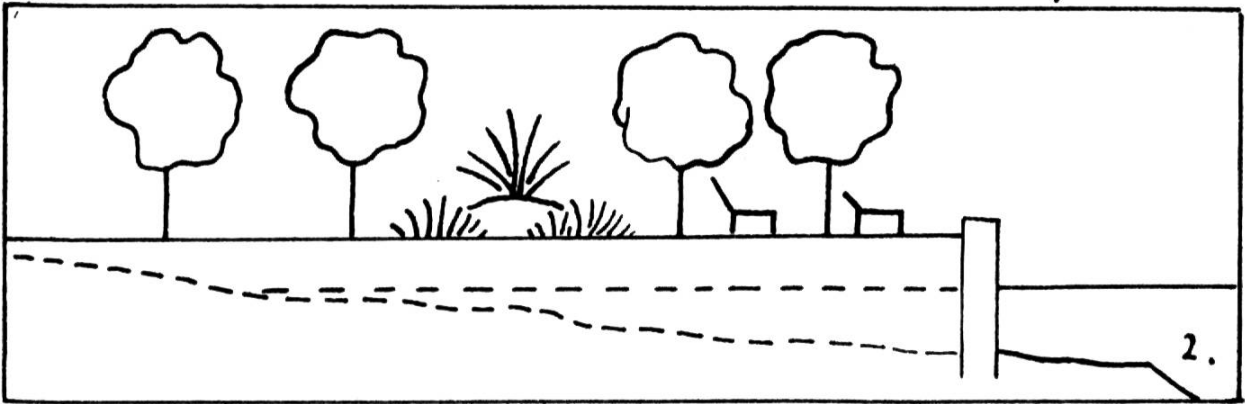


7.

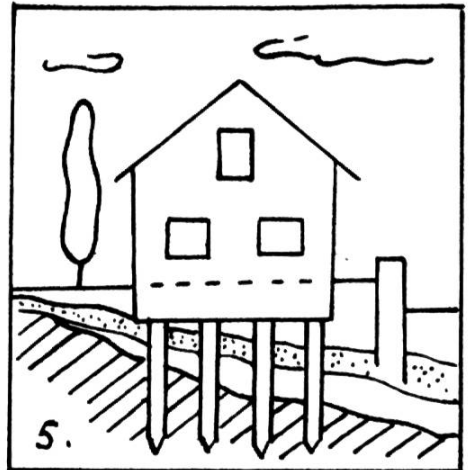
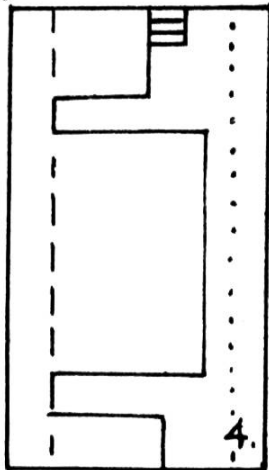
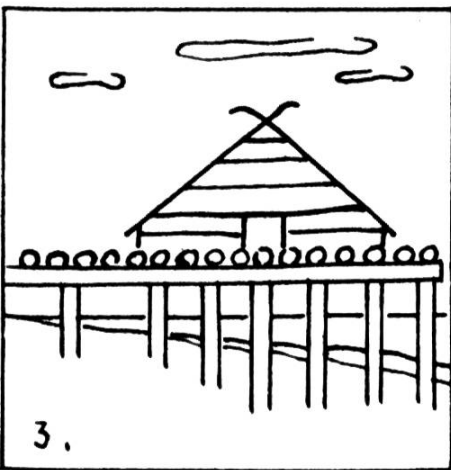
Untiefen und alte Seebrücke



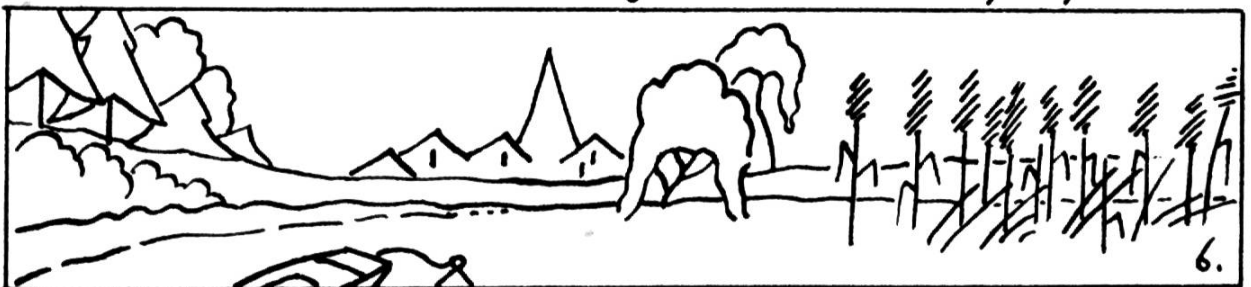
Pflanze und Tierleben am Flachufer



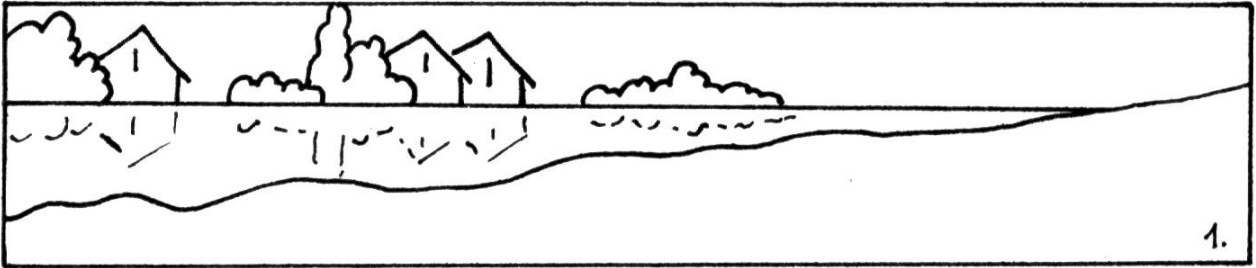
Die Landanlage (Oruai)



Pfahlbau Anlagen Haus auf Pfählen.



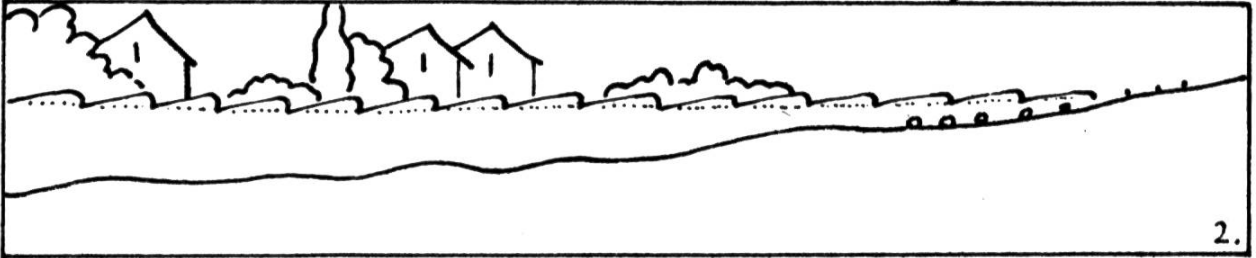
Flachuferlandschaft.



1.

bei Windstille

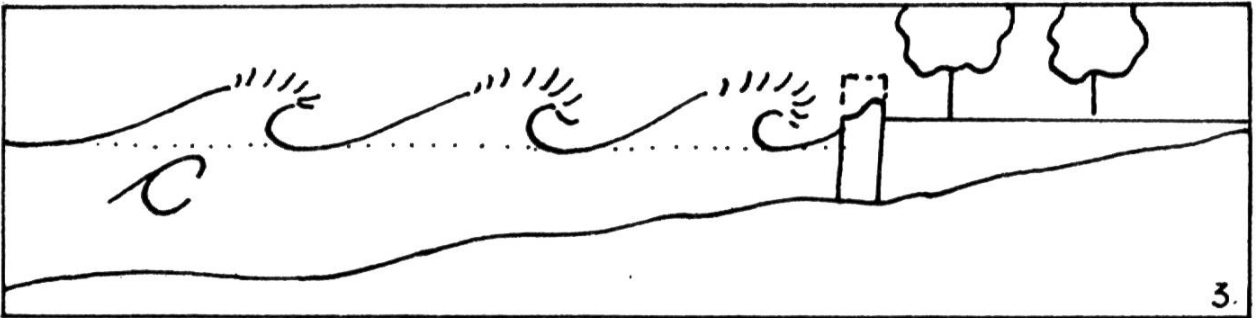
spiegelglatt.



2.

bei Wind

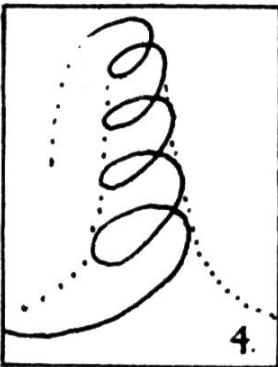
gekräuselt.



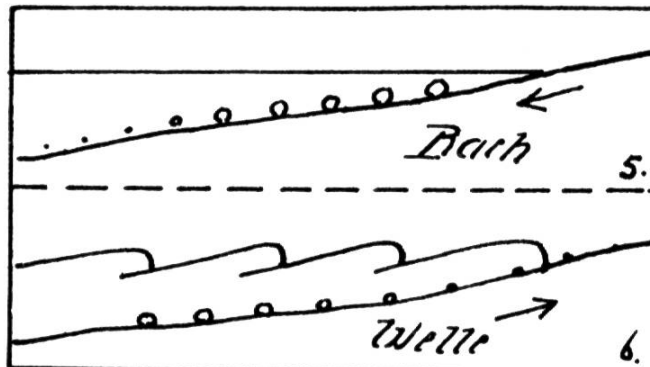
3.

bei Sturm

Sturz - oder C-Wellen.



4.

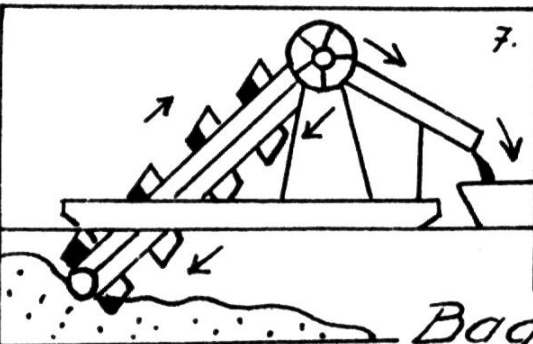


5.

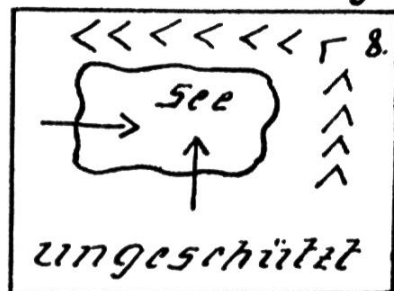
6.

Wasserhose

Umschichtung

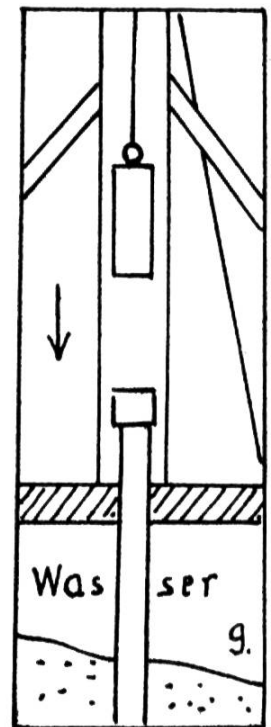


7.



8.

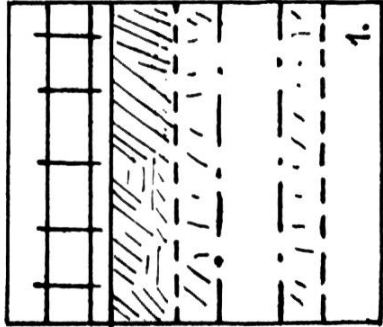
ungeschützt



9.

Baggermaschine Ramme

Dem Seespiegel.



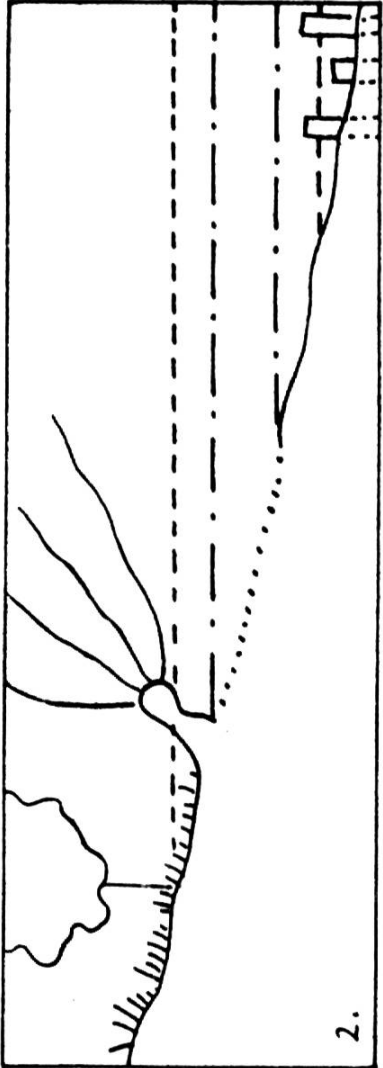
H
S
W
T

künstlichen Ufer

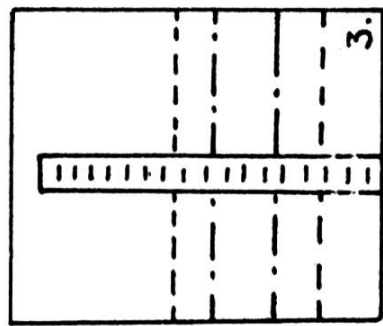
S = Sommer

W = Winter

Schwankungen am



Blatt: 45.



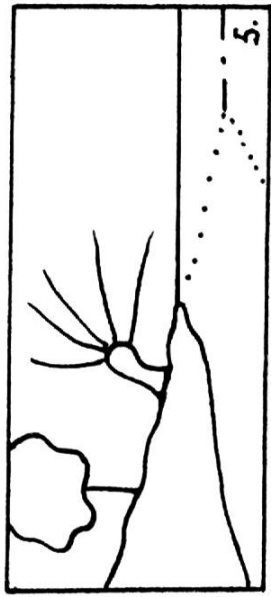
H
S
W
T

Seespiegel

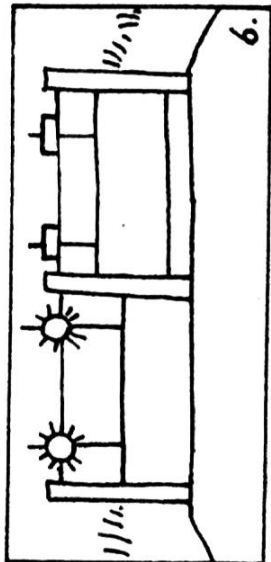
H = Höchststand

T = Tiefstand

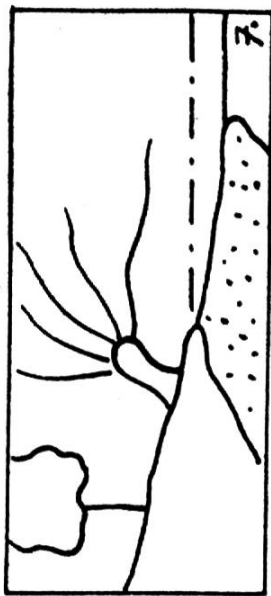
in den verschiedenen Jahreszeiten (Plan)



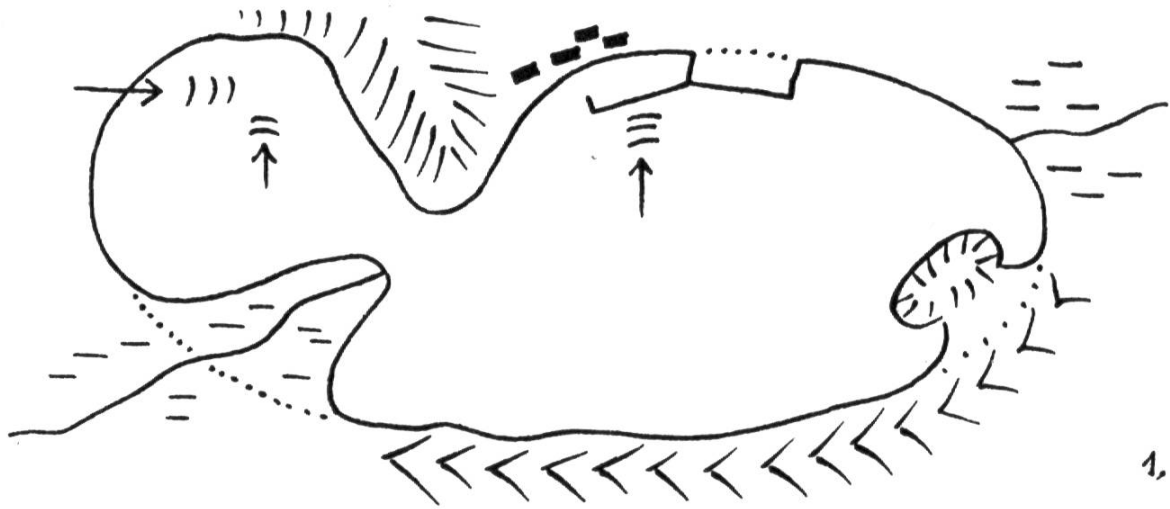
im Sommer hoch



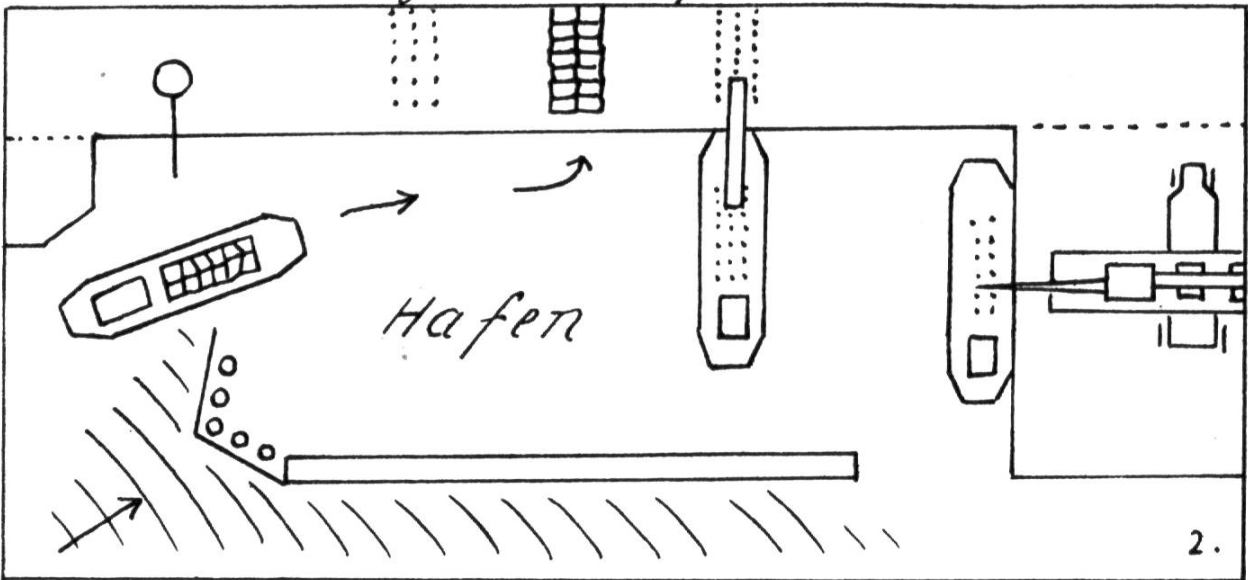
Schleuse



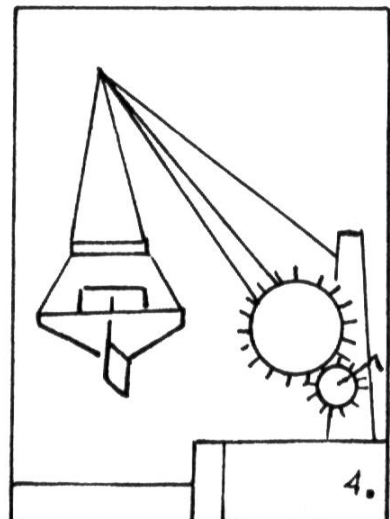
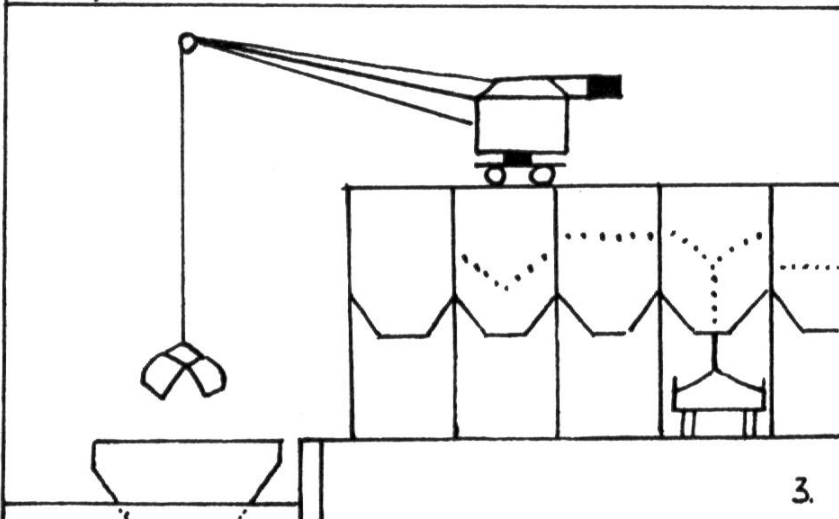
im Winter tief



Veränderungen der Uferlinie

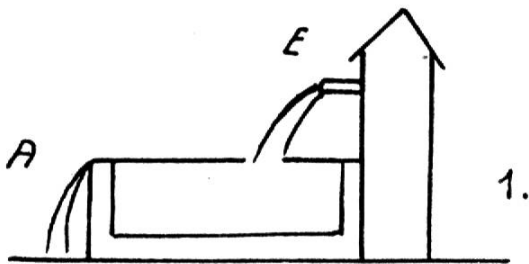


Hafen mit Südweststurm u. Siloanlage

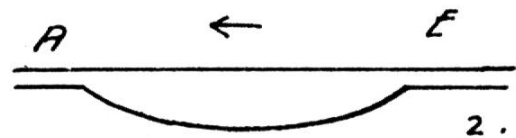


Ledischiff mit Siloanlage Handkran

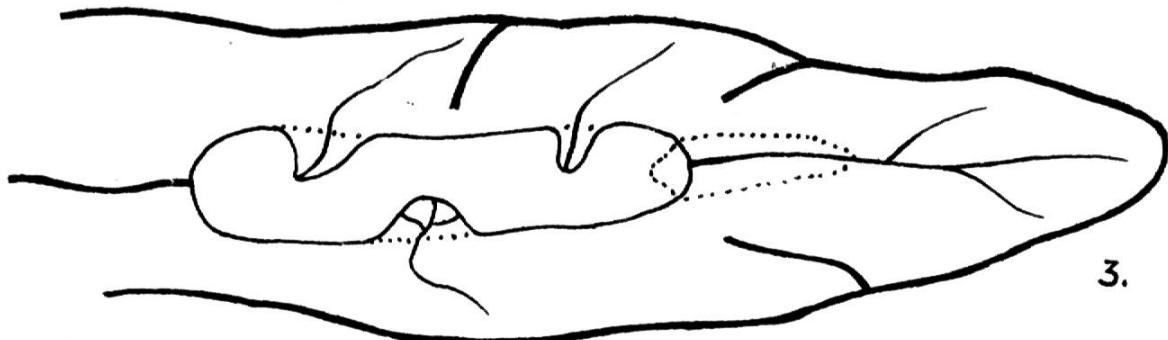
Einfluss, Abfluss, Läuterung. Blatt: 47.



1.



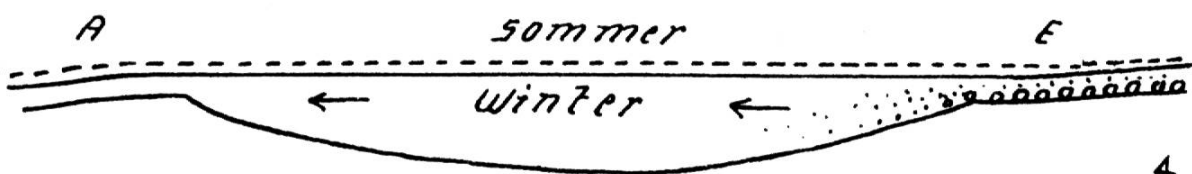
2.



3.

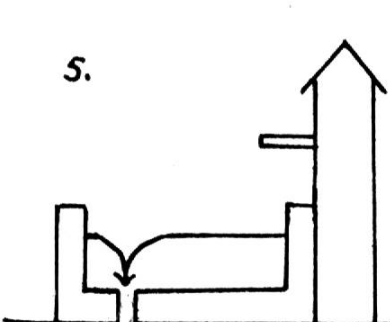
<u>Ausfluss</u>	<u>Nebenflüsse</u>	<u>Einfluss</u>
sehr wasserreich	wasserärmer	wasserreich
—	Gerölle und Geschiebe	—
—	Horn, Delta, Zunge	Anschwemmungsebene
Klares Wasser		trübes Wasser

Der See ist ein Läuterungsbecken

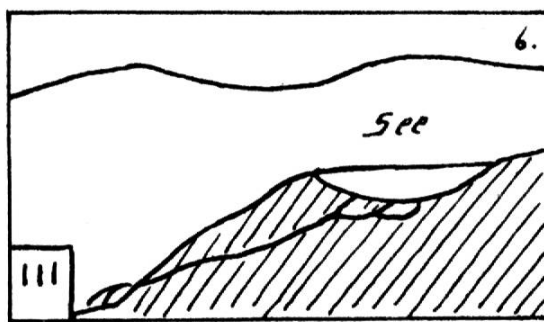


4.

Der oberirdische Ausfluss.



5.

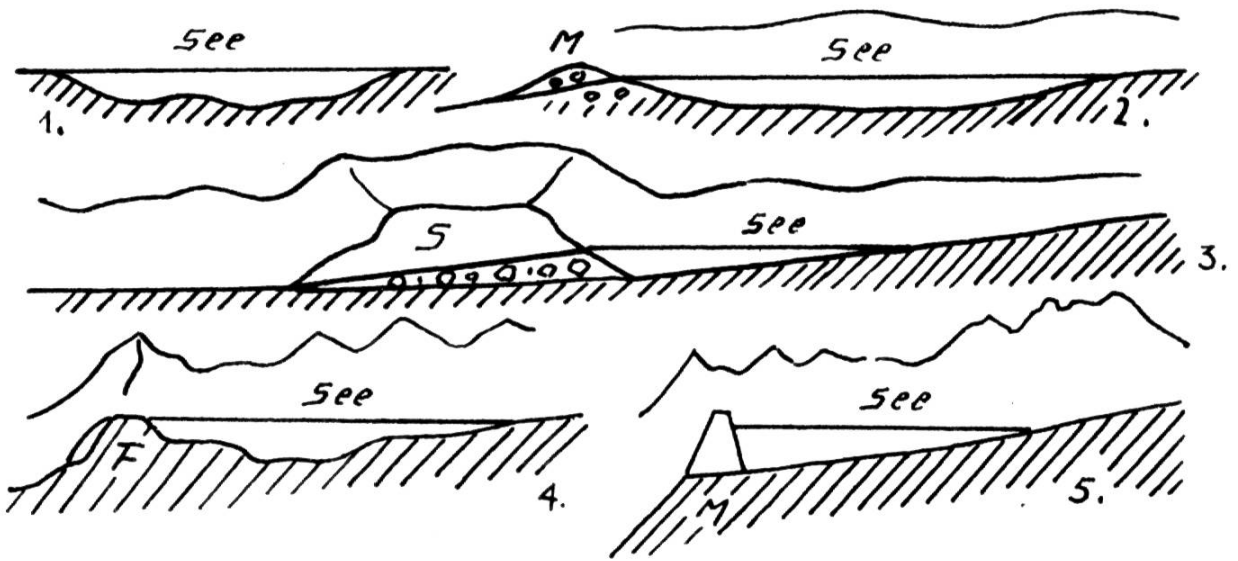


6.

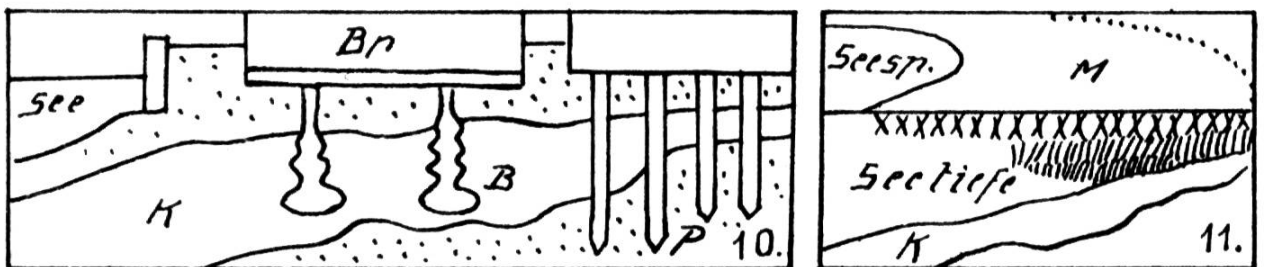
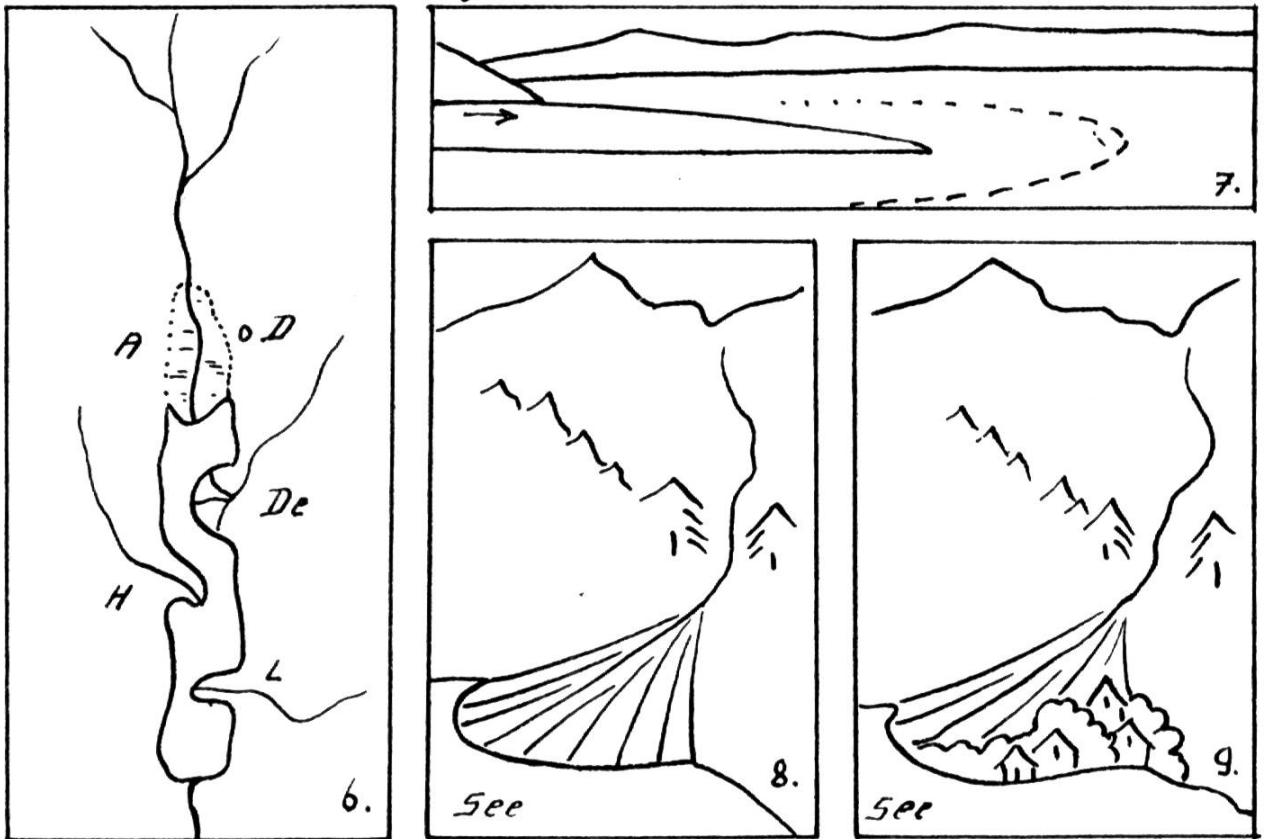


7.

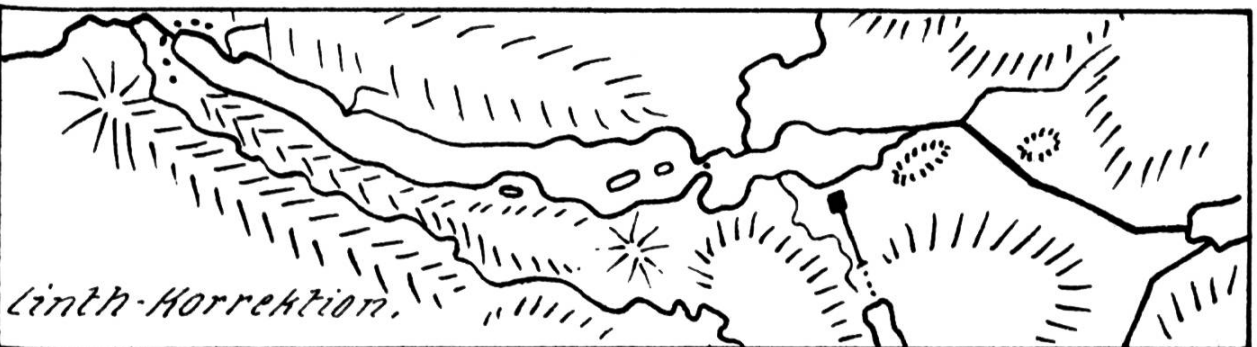
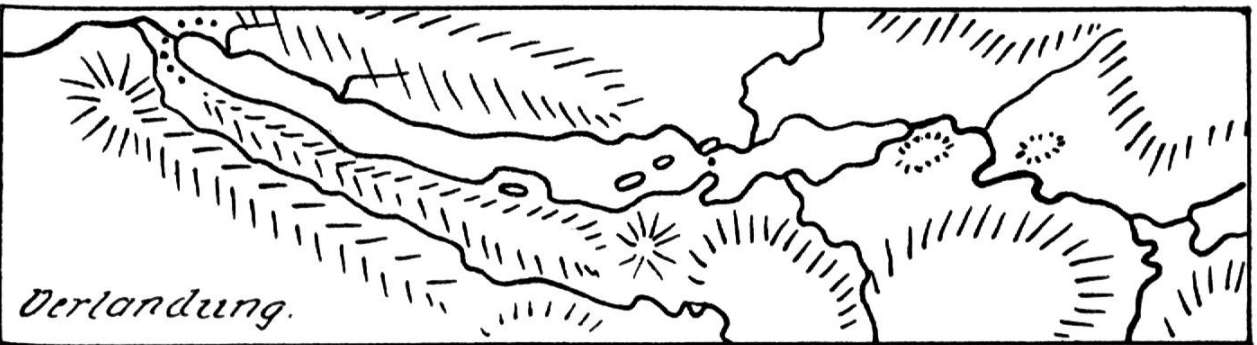
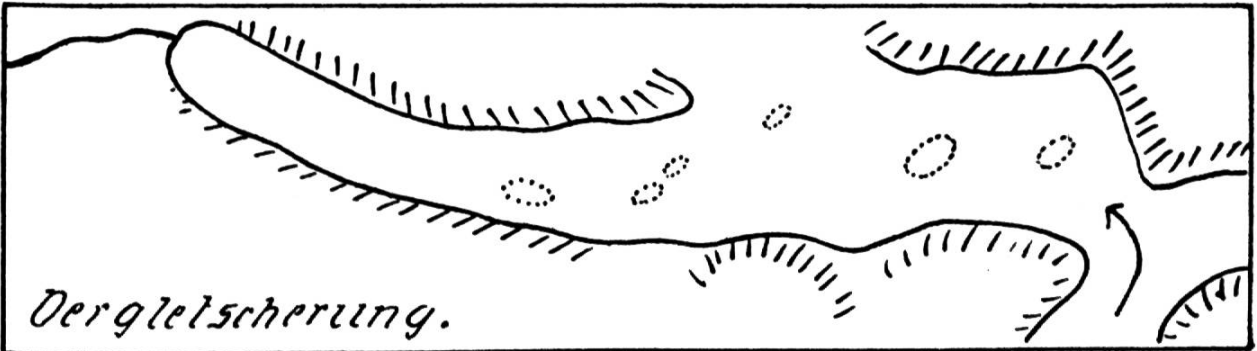
Der unterirdische Abfluss



Ihre Entstehung.

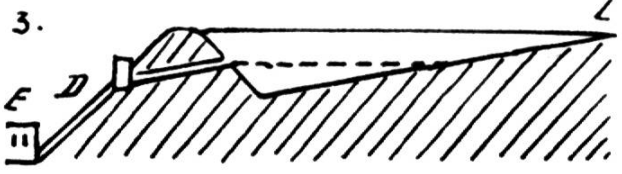
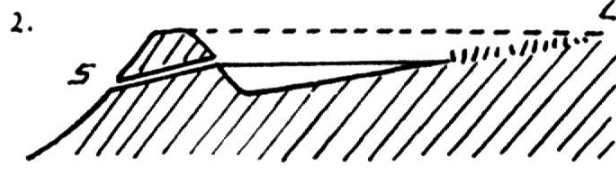
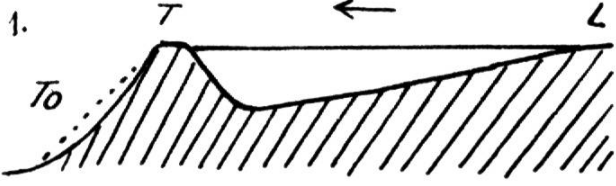


Ihre Ausfüllung.

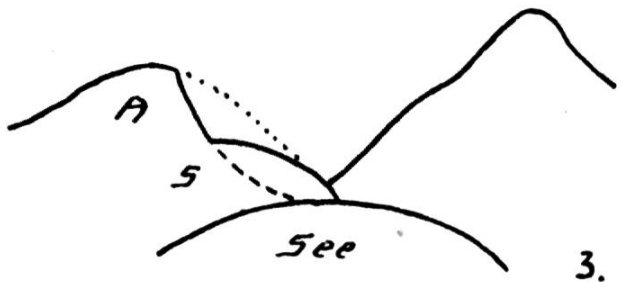
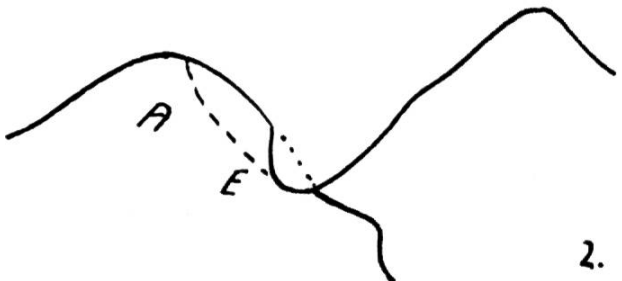
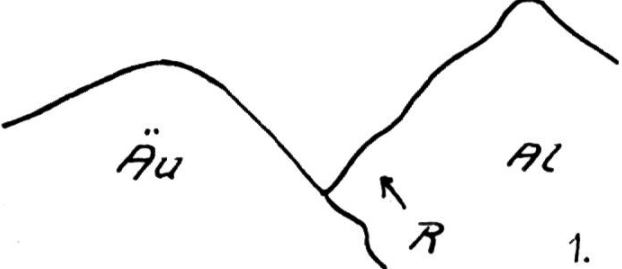


Werden und Vergehen

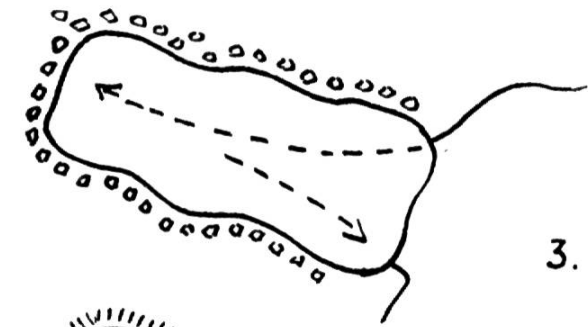
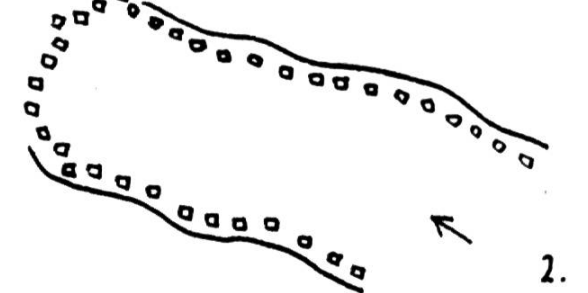
Blatt: 50.



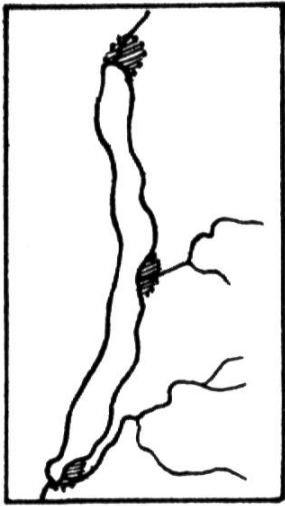
des Lungernsees,



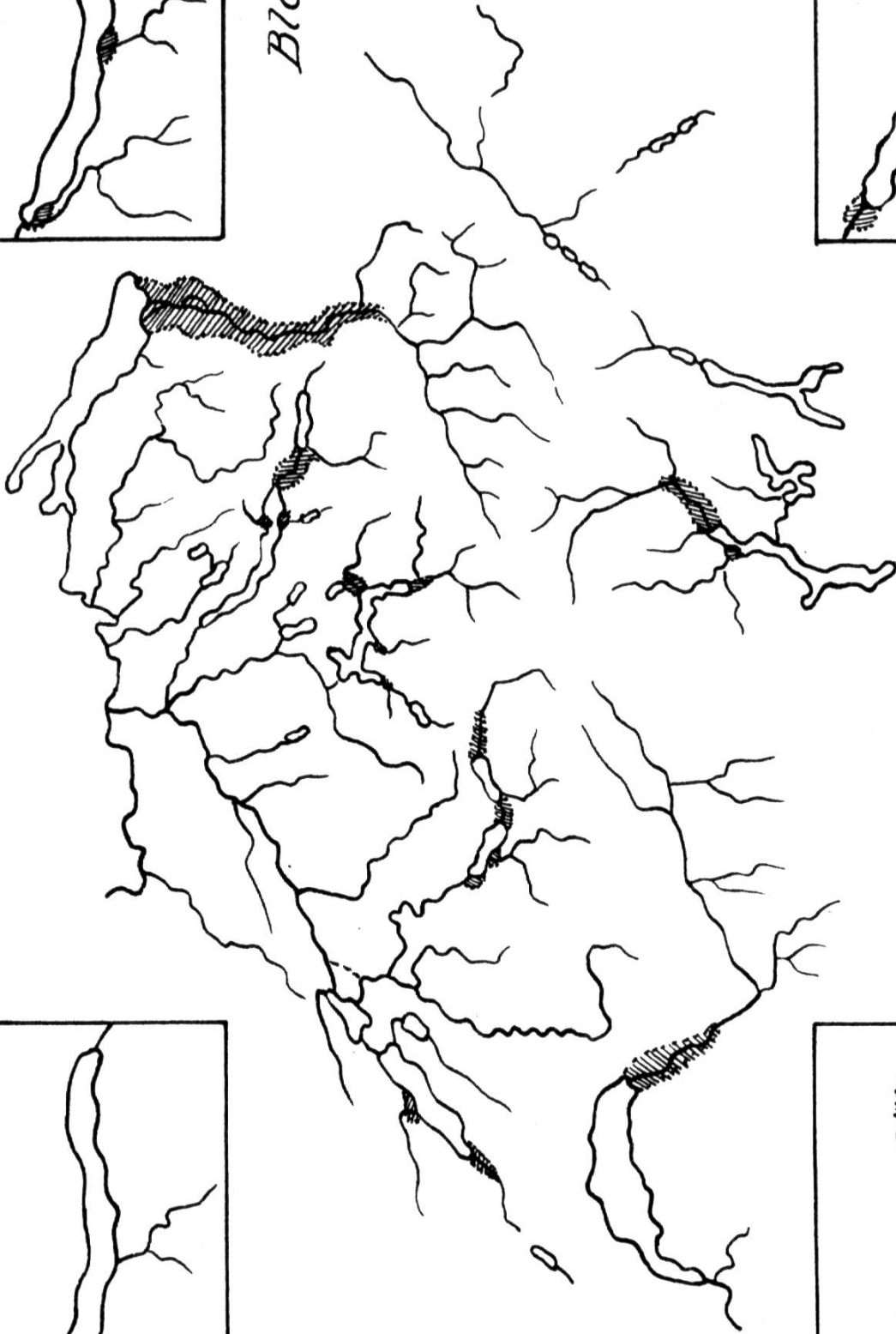
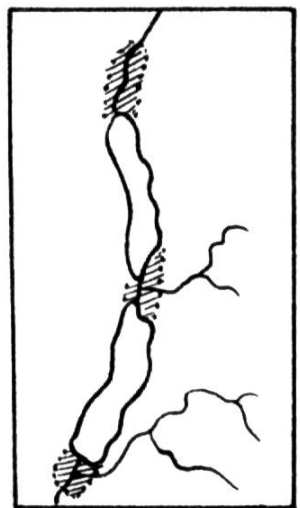
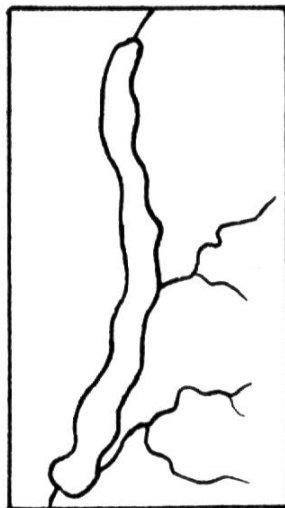
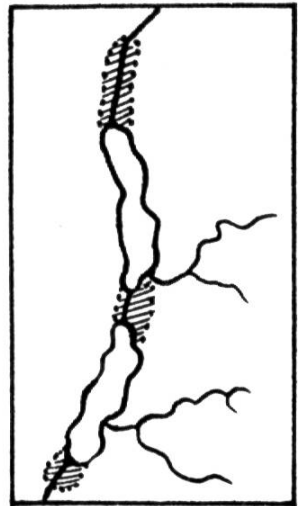
des Türlersees,



des Pfäffikersees.

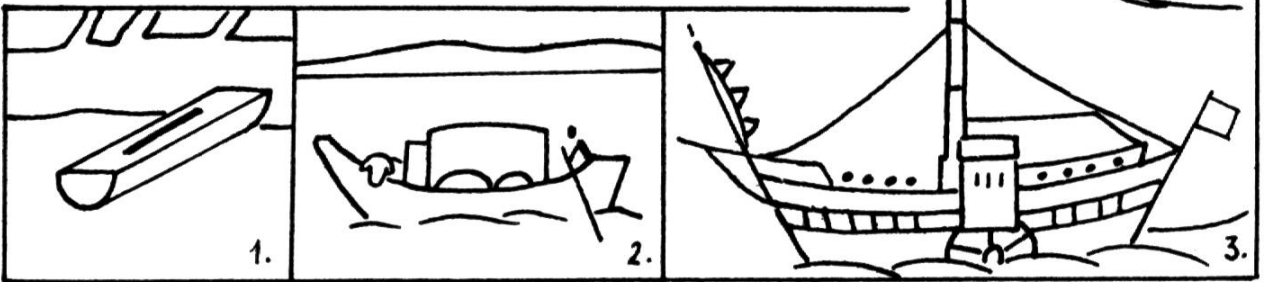


Blatt: 57.

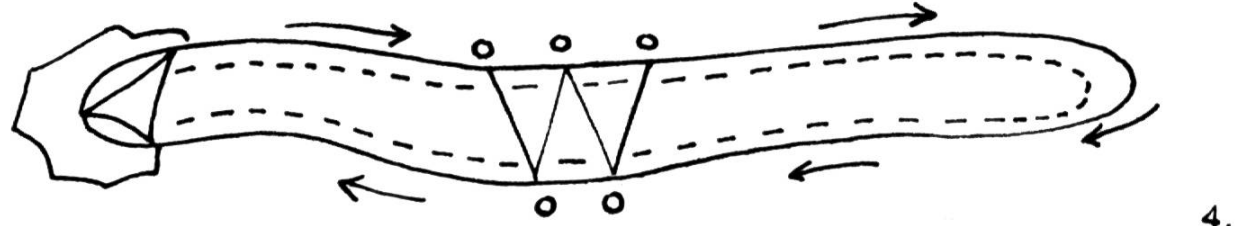


Die Verlandung unserer
Schweizerseen.

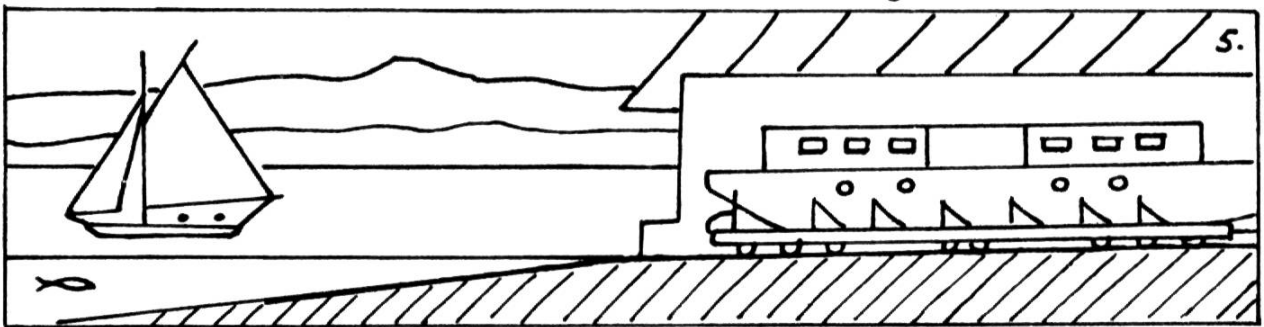
See und Verkehr. Blatt: 52.



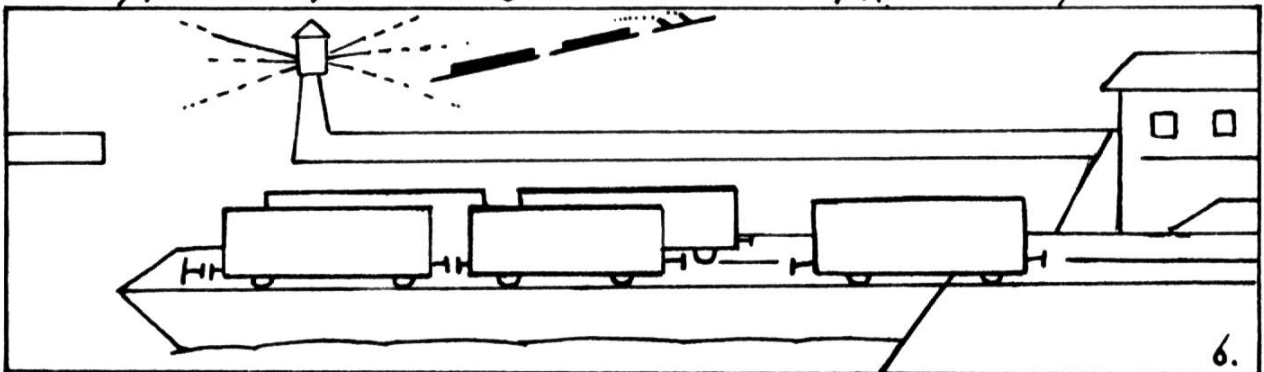
Einbaum - Marktschiff - Altes Dampfschiff



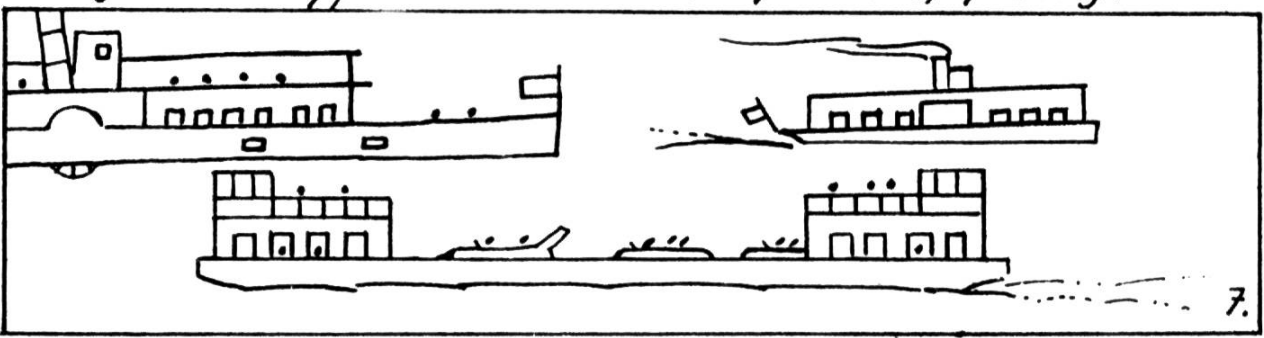
Seebecken - Quer - Längsverkehr



Schiffswerft: Wagen mit Schiffsrumpf

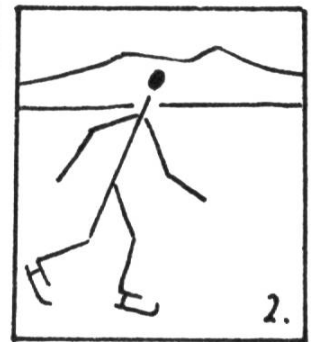
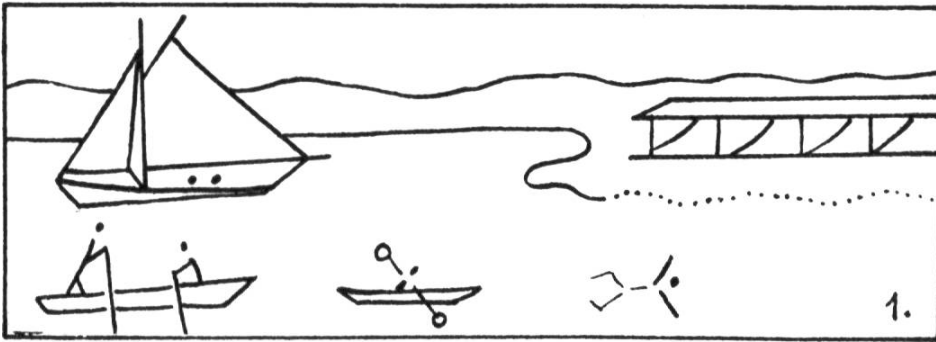


Trajektschiff: Leuchtturm, Schleppzug.



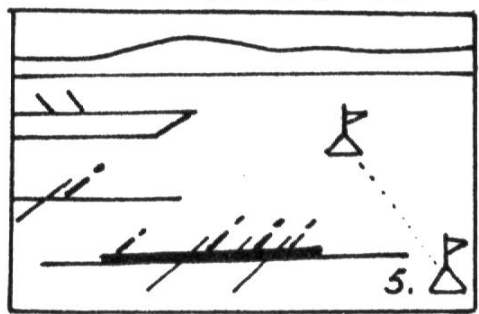
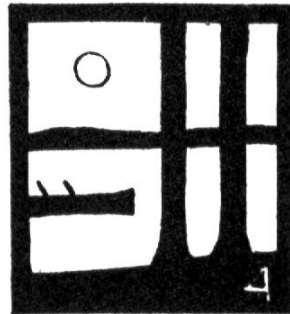
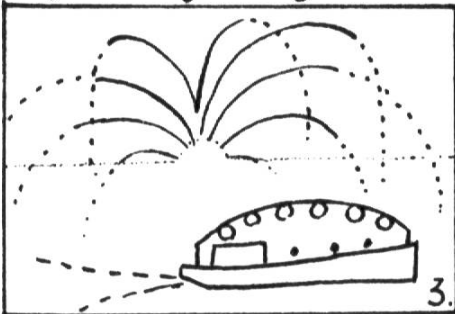
Raddampfer - Autofähre - Dampfschwalbe

Dorteile und Nachteile der Seen. Blatt:53.

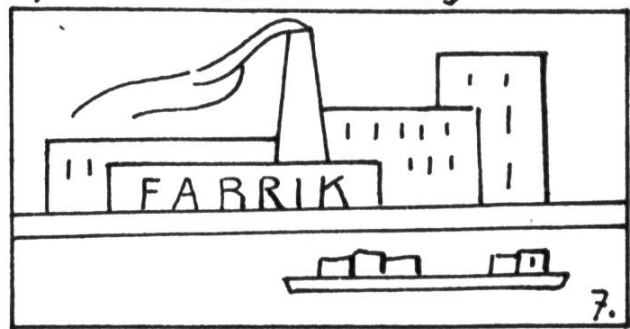
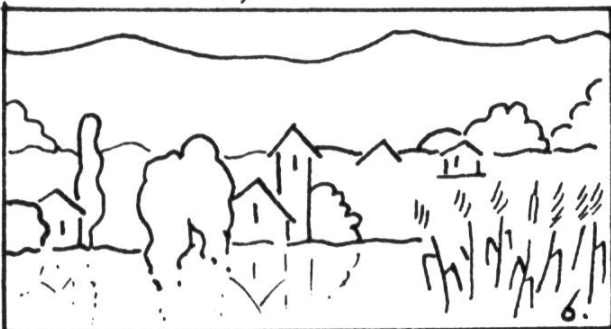


Sportgelegenheit im Sommer

im Winter

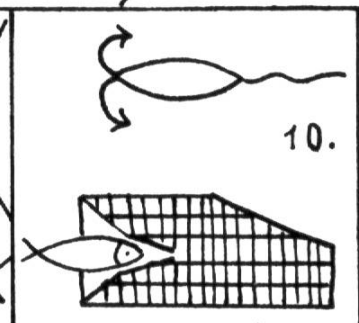
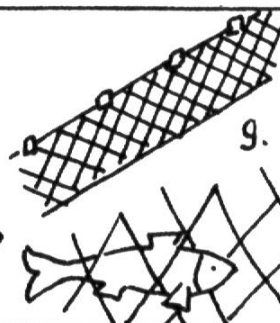
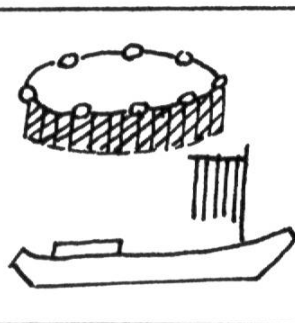
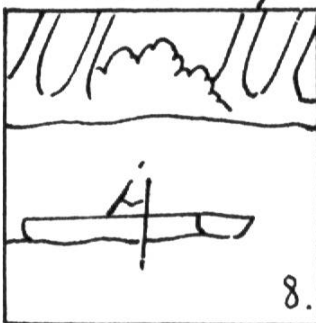


Seenachtfest Mondscheinfahrt Ruderregatte



Schönes Ufer

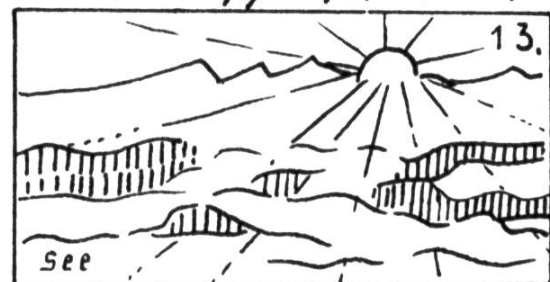
Verdorbenes Uferbild.



Harpune Gransen und Netze Löffel, Reuse.

<u>Sommer</u> ; 11.
Luft: 30°
Wasser: 25°

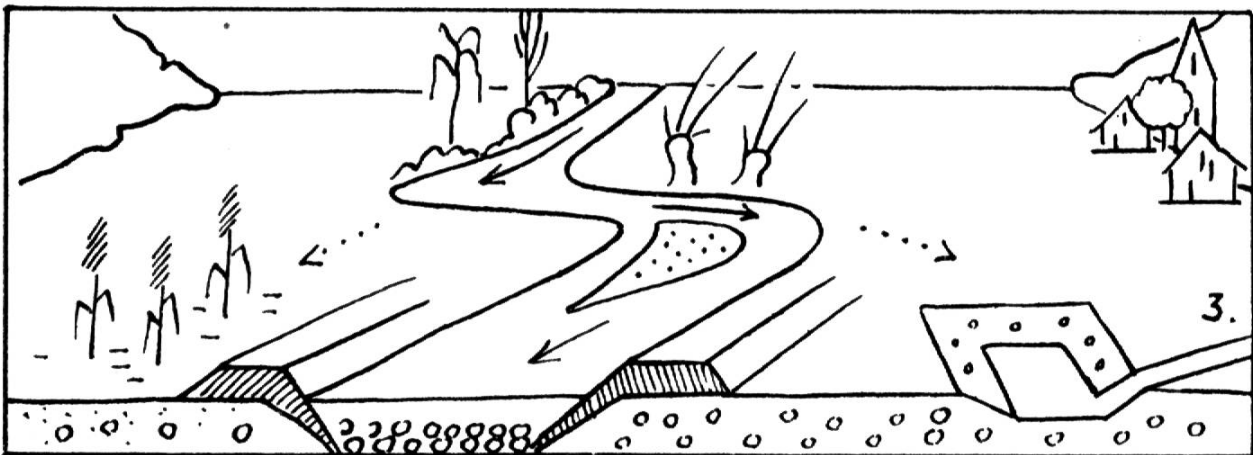
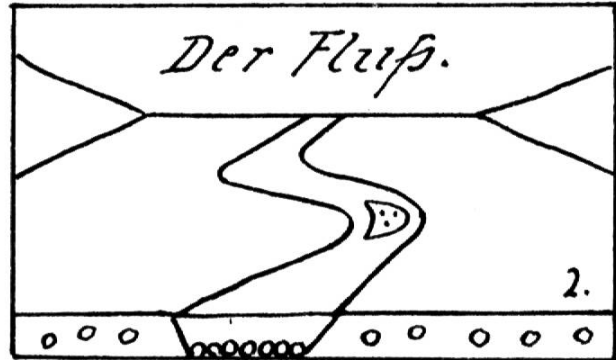
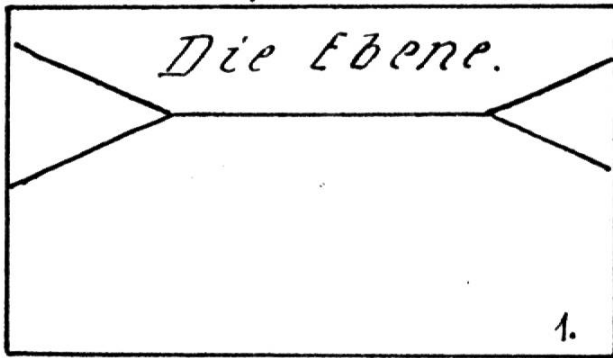
<u>Winter</u> : 12.
Luft: -4.
Wasser: +8



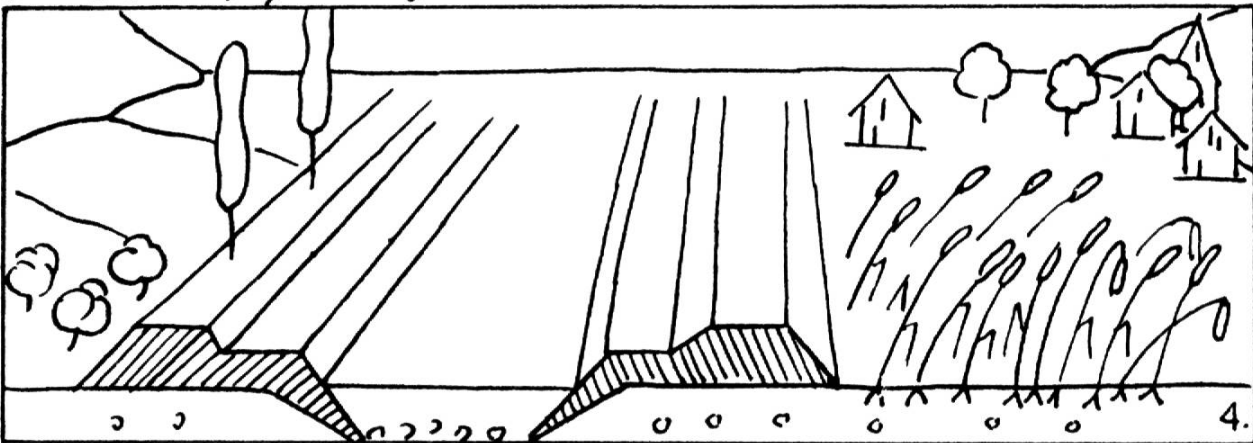
Temperaturausgleich. "Traubenkoch"

Die Flussebene.

Blatt: 54.



Uersumpfung Dämme Verkiesung



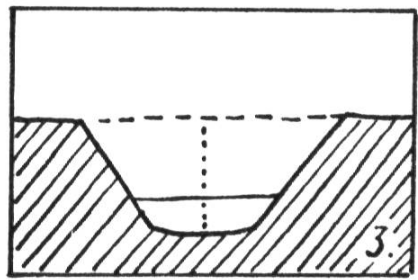
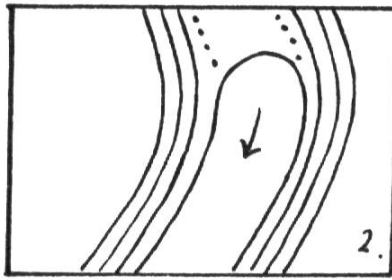
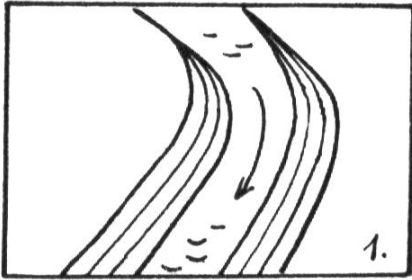
Gemüse Kanalisation Getreide



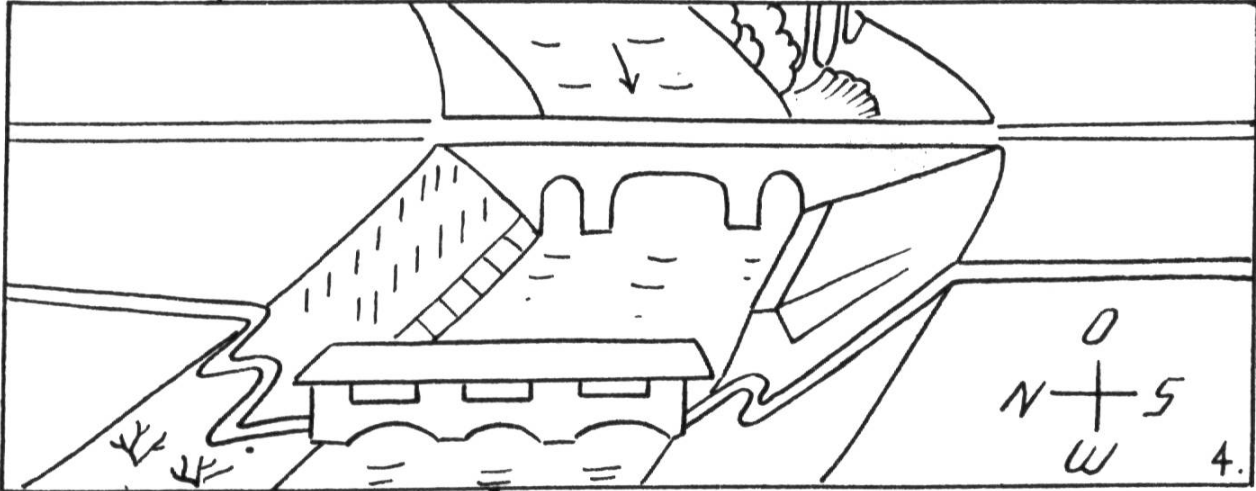
Tierleben im alten Flußlauf.

Das Flußtobel.

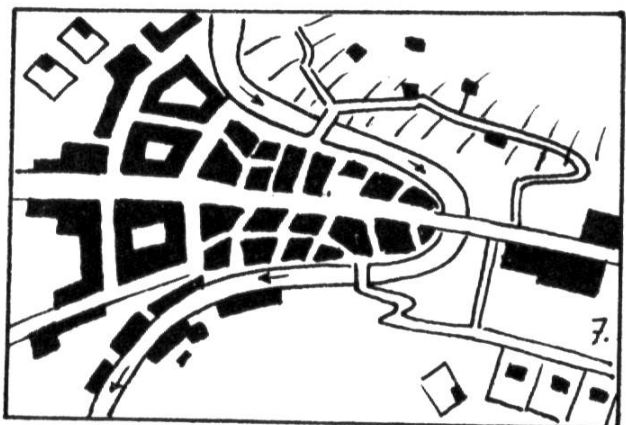
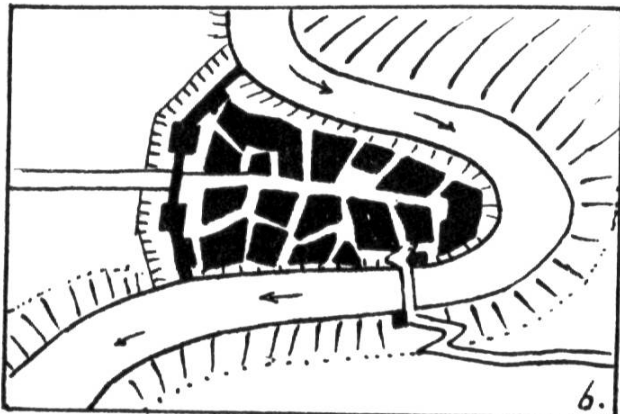
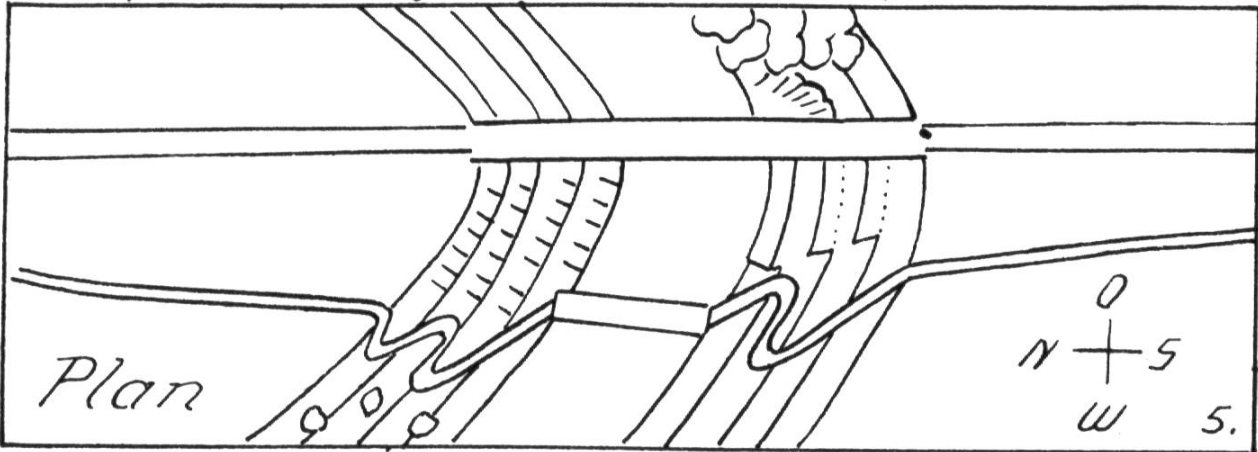
Blatt: 55.



Vertiefung Kurvenkarte Querschnitt

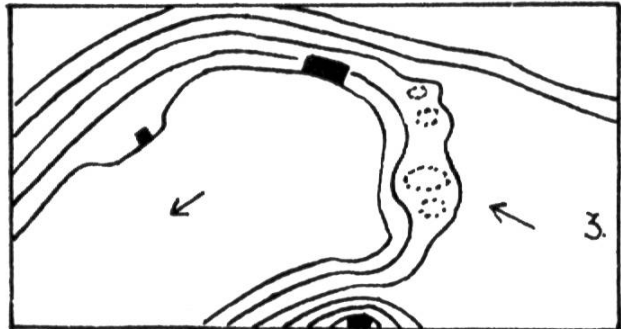
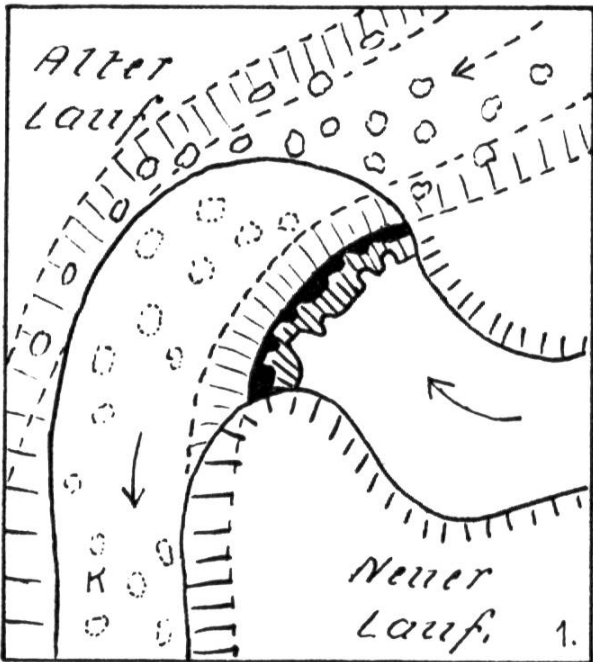


Annflanzung-Hindernis-Uferschutz.

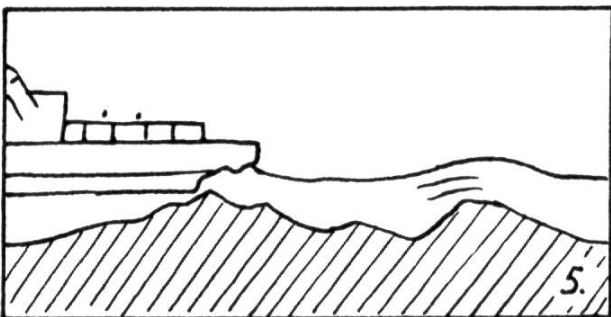
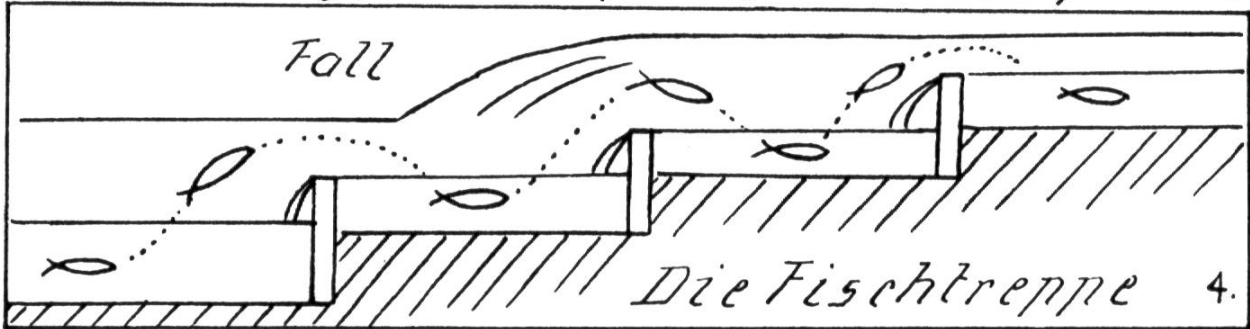


Alte Stadt. Ihr heutiges Aussehen.

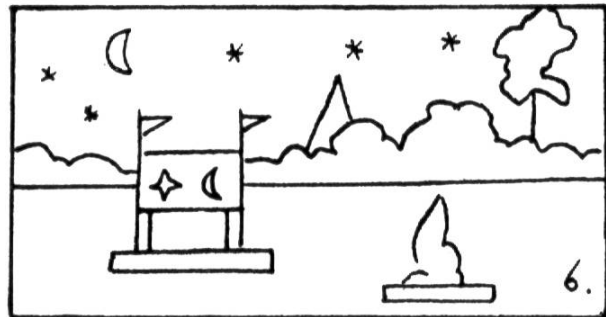
Be 5. Erscheinungen a. Fluß. Blatt: 56.



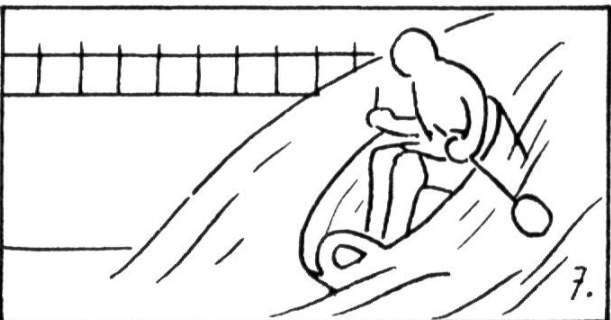
Entstehung, Ansicht, Plan des Rheinfalles.



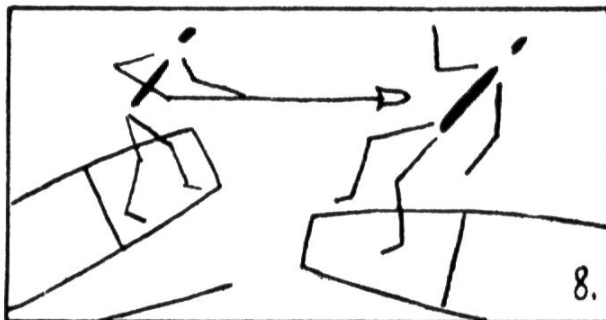
Stromschnellen



Lichterschweimen.

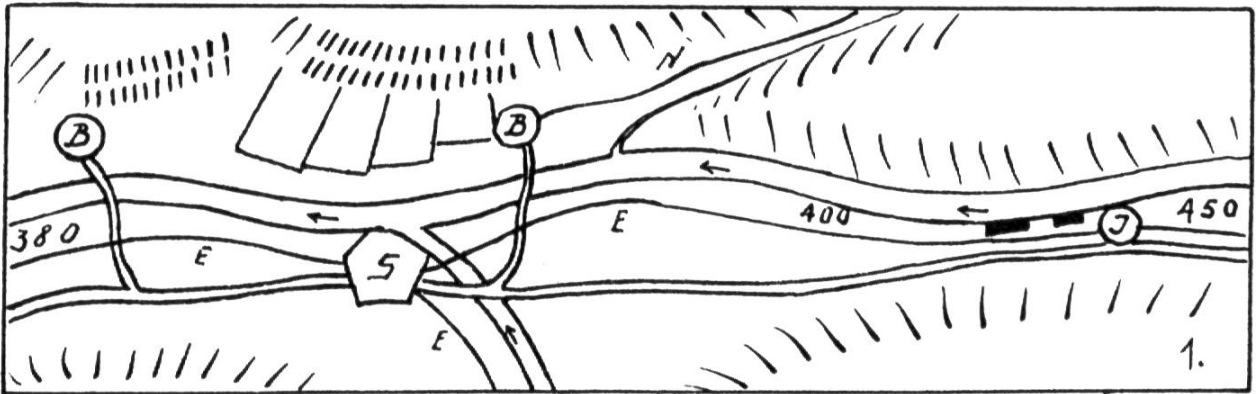


Ständlein fahren

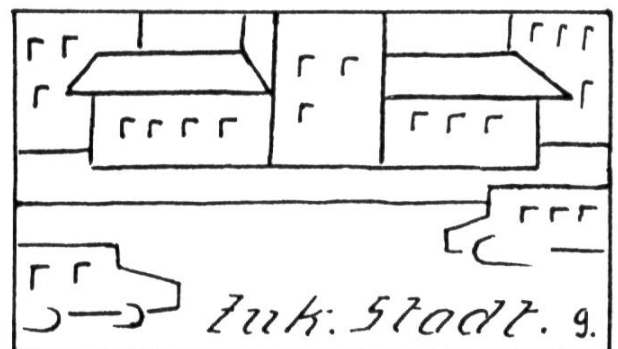
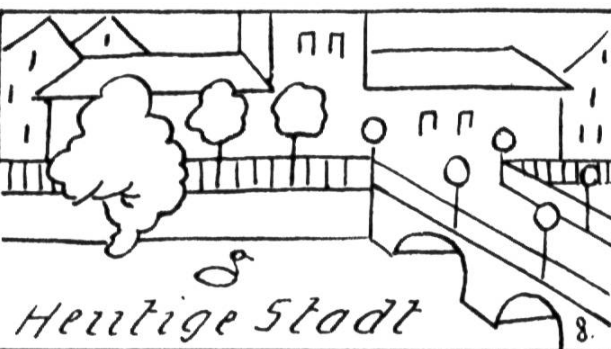
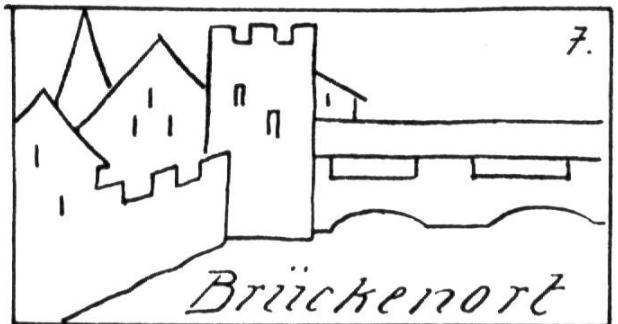
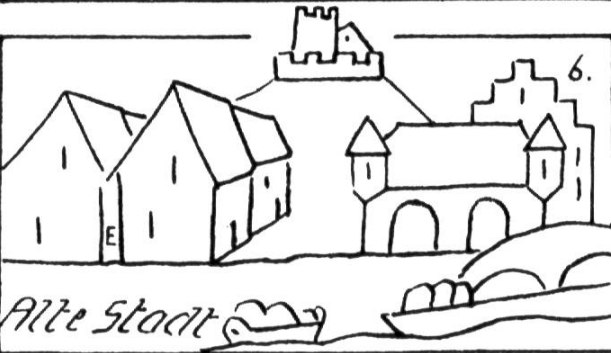
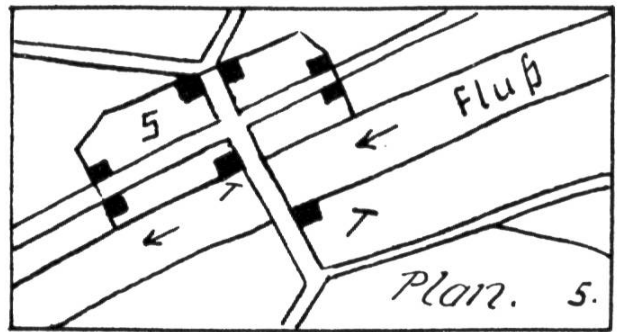
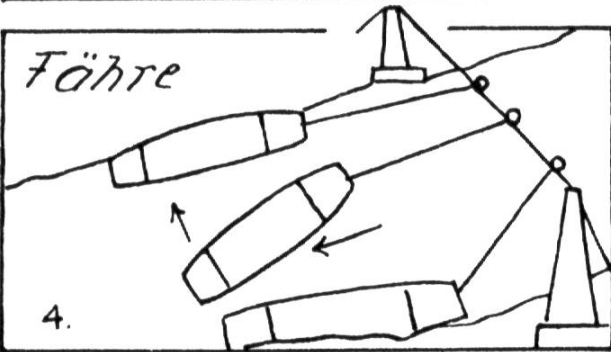
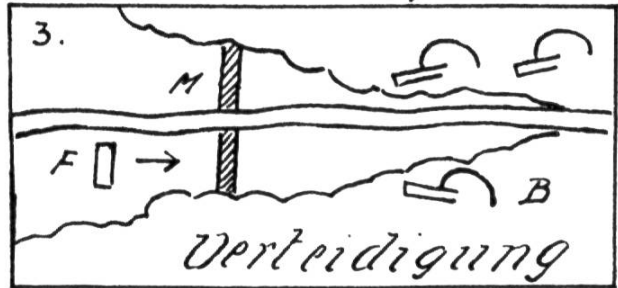
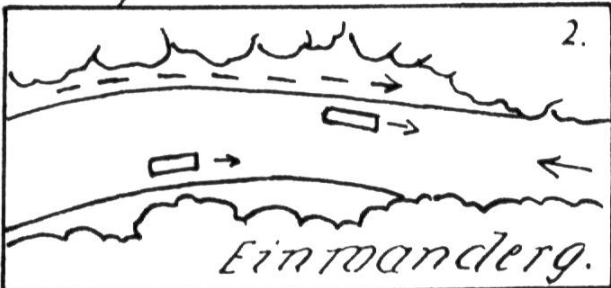


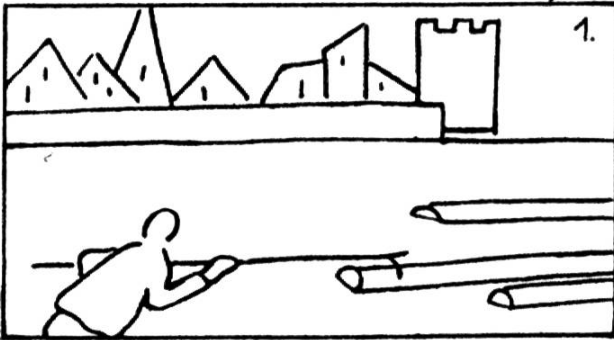
Schifferstechen

Derkehr, Ansiedelung u. Fluß. Blatt: 57.

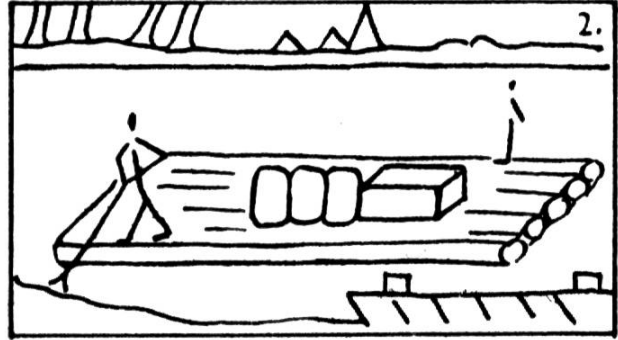


Das fruchtbare u. industrielle Flußtal.

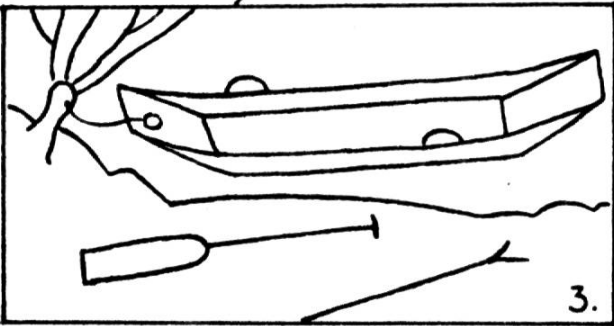




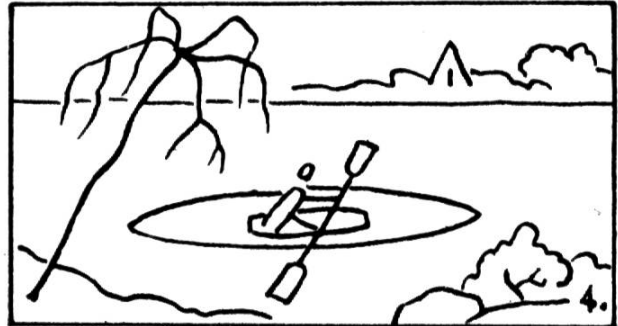
Das Flößen



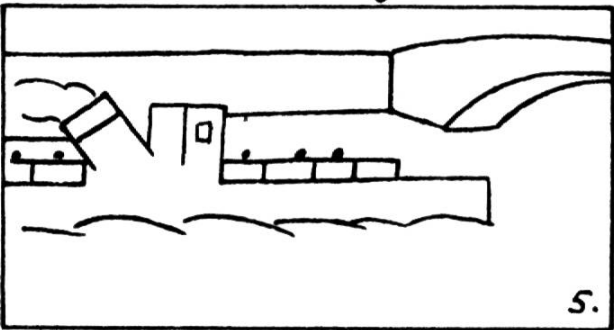
Das Floß



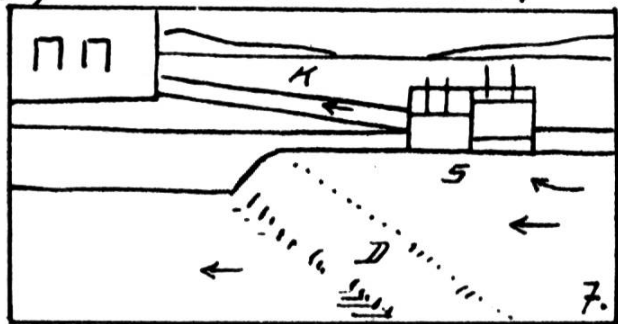
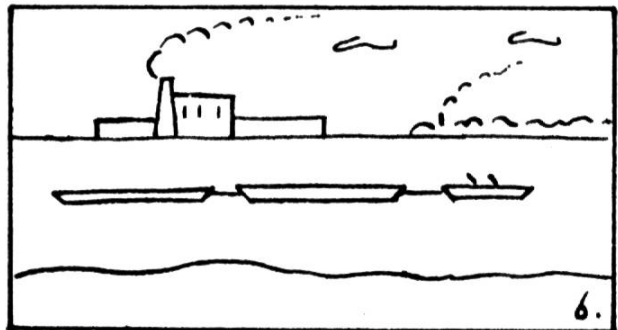
Der Weidling.



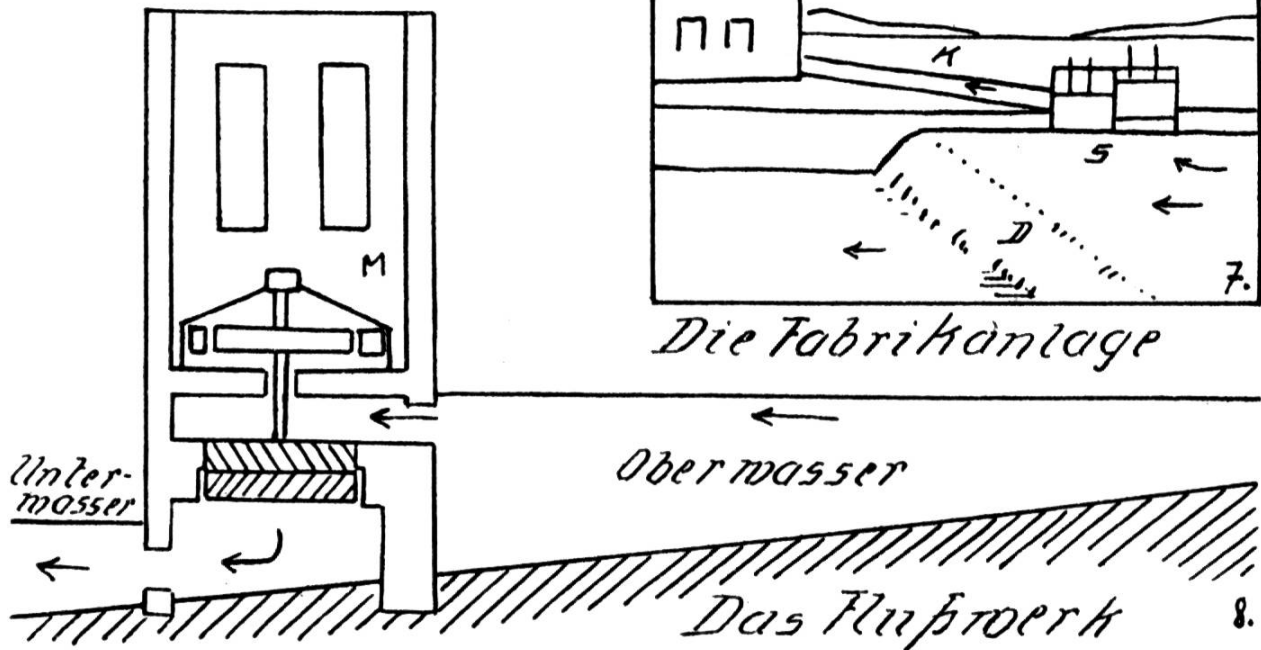
Das Paddelboot



Der Vergnügungsdampfer Kohlenschlepper



Die Fabrikanlage



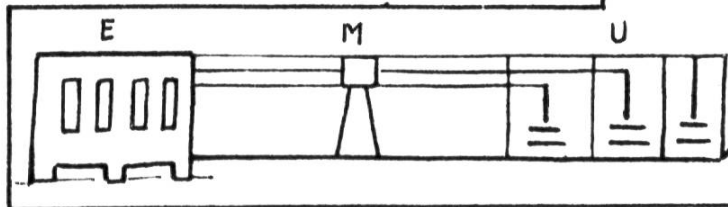
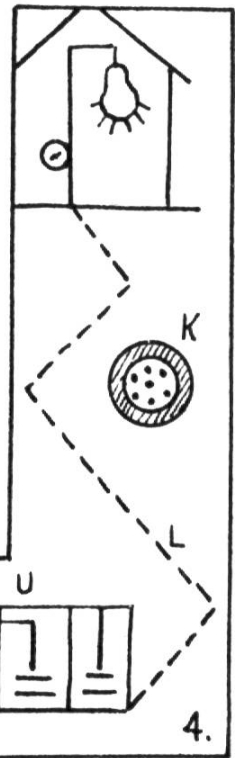
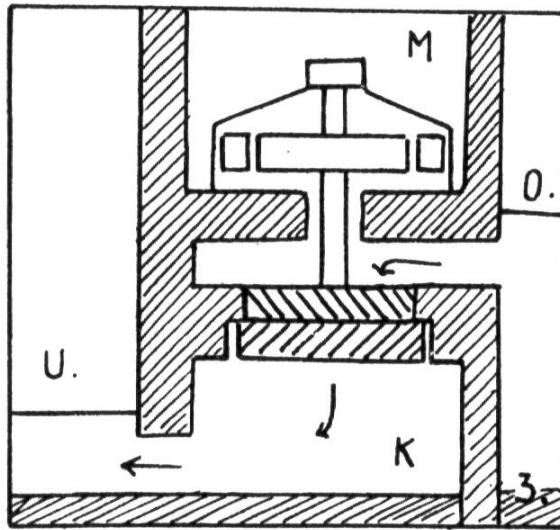
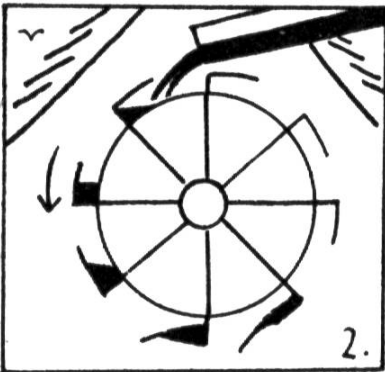
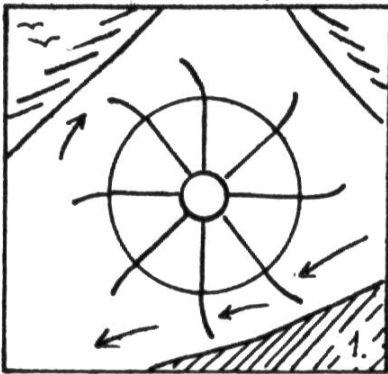
Oberwasser

Unterwasser

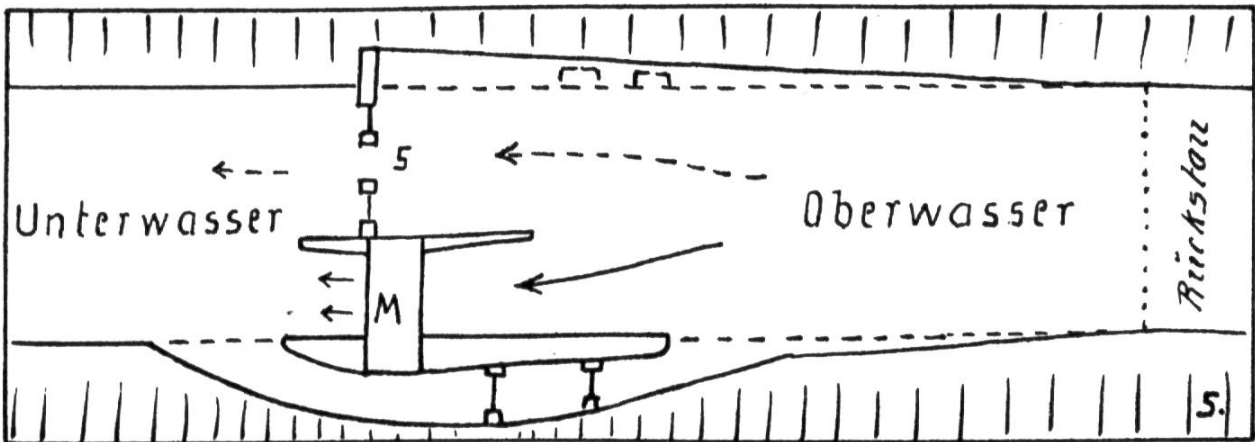
Das Flußwerk

Das Flufkraftwerk.

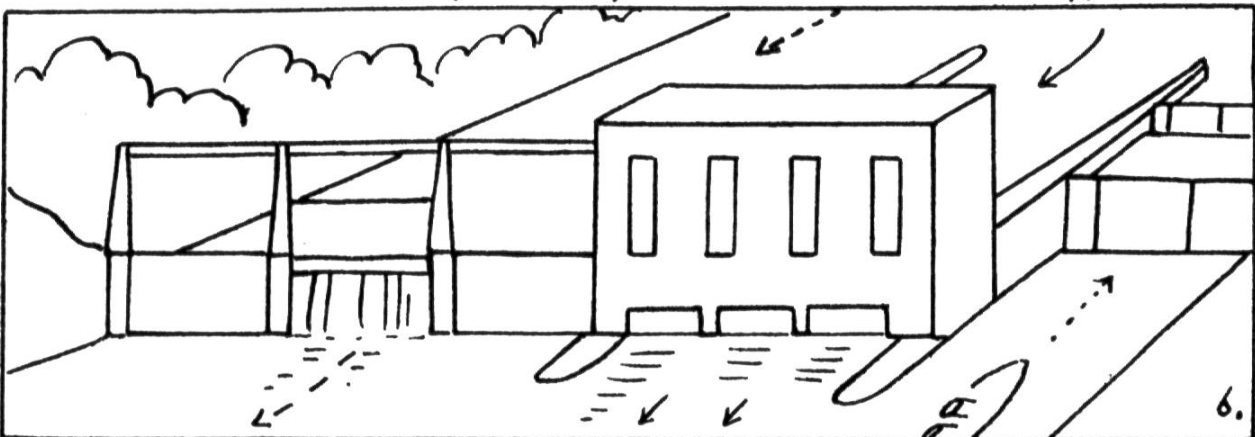
Blatt: 59.



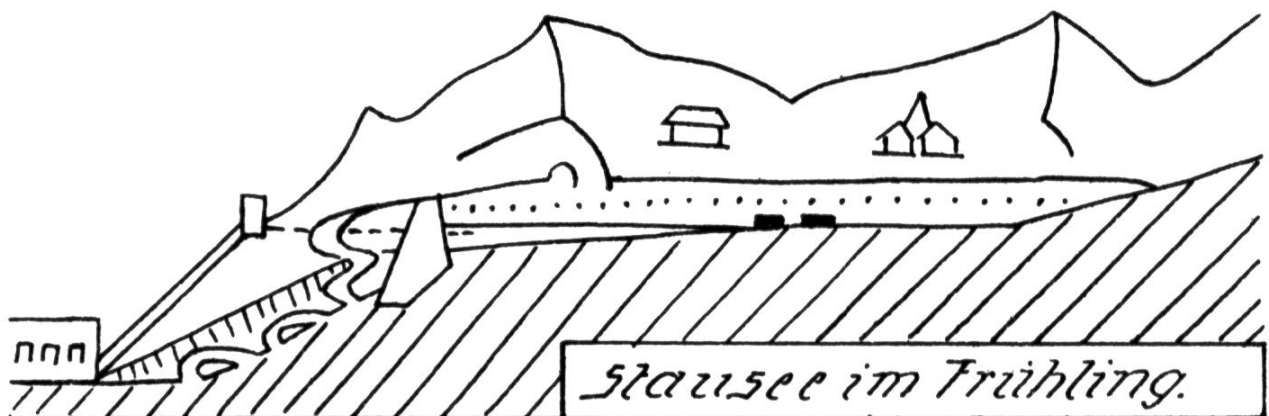
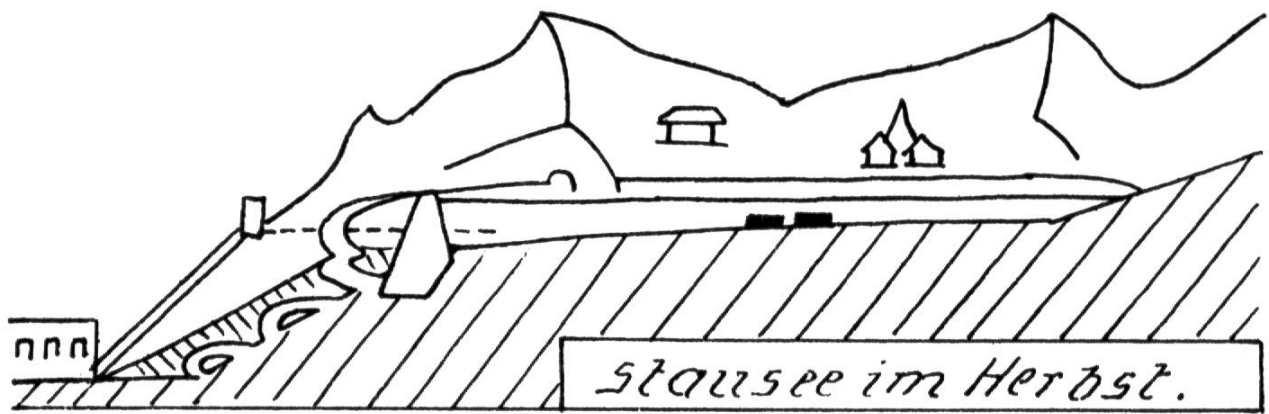
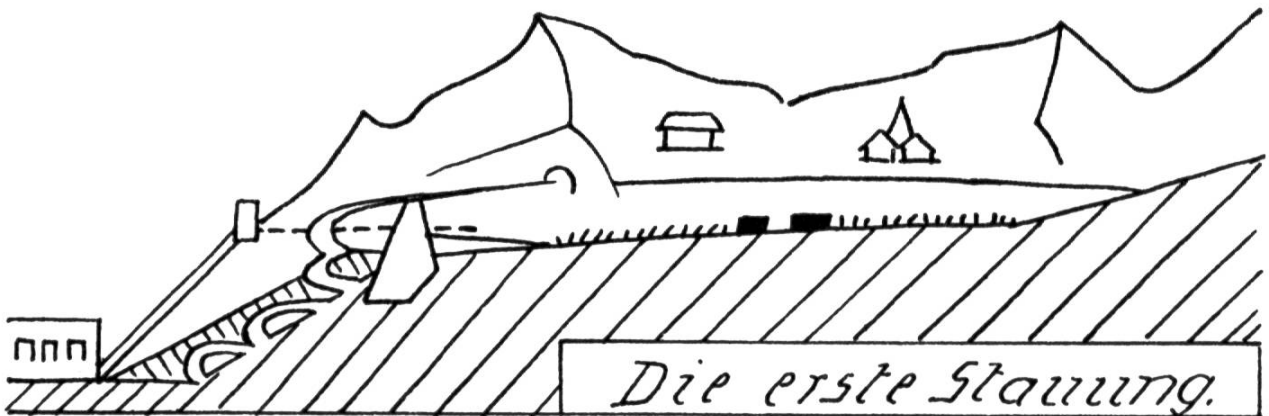
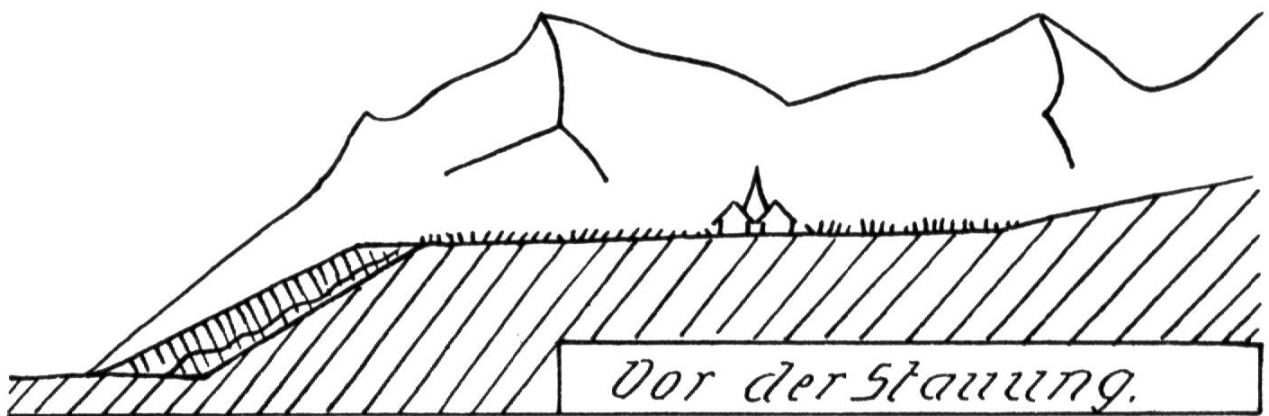
Mühlräder Turbine m. Dynamo Leuchtanlage



Plan eines Flufkraftwerkes m. Schiffschleuse

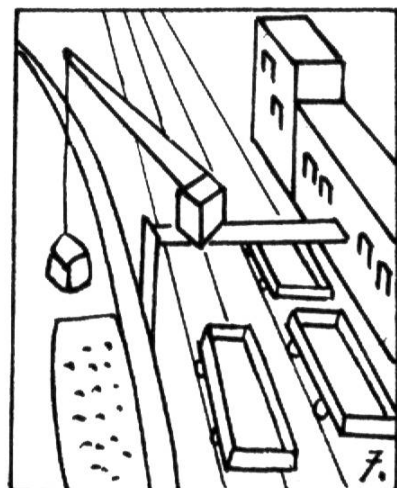
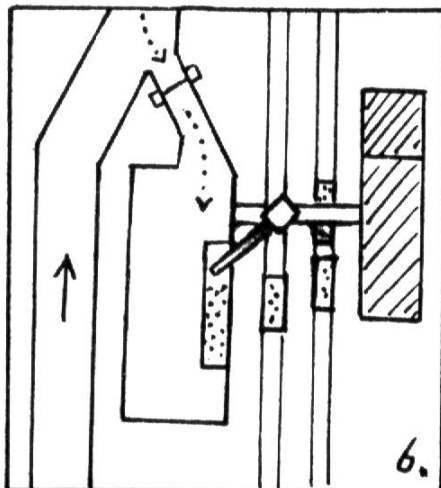
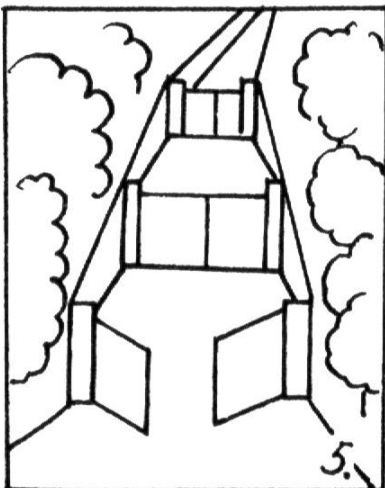
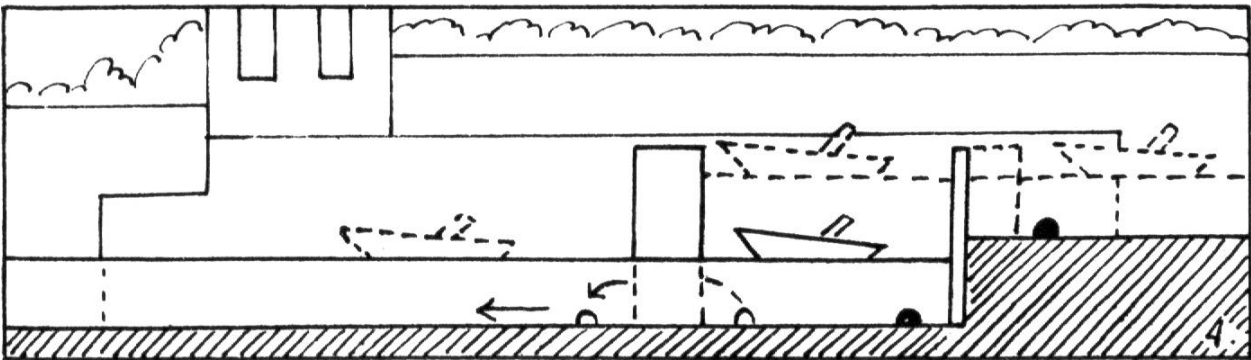
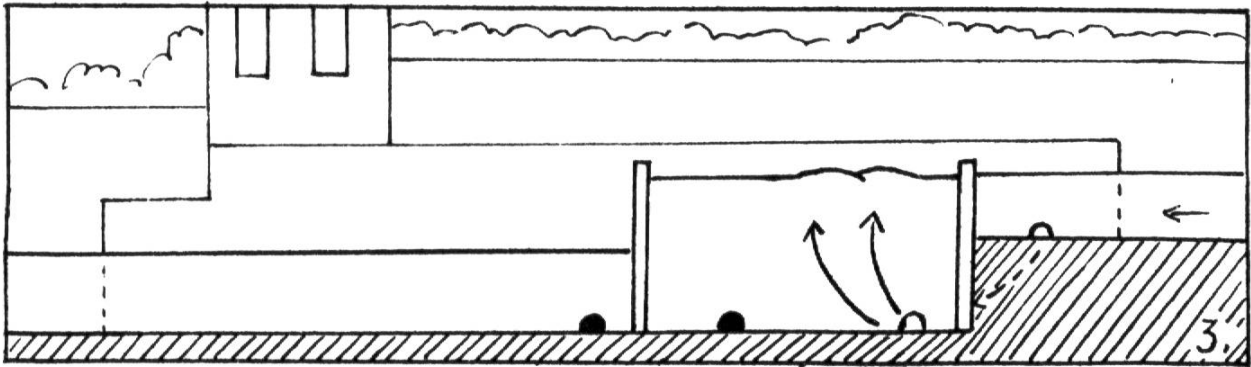
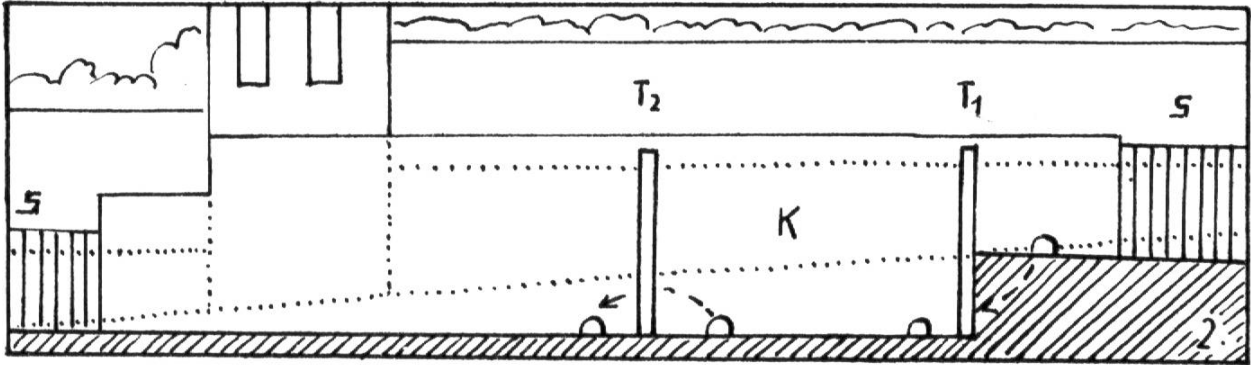
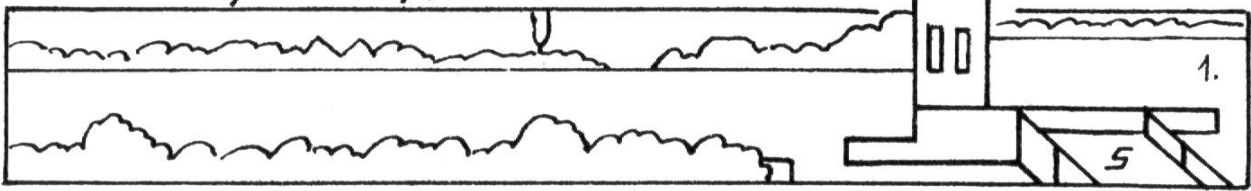


Stauwehr, Kraftzentrale, Schiffschleuse.



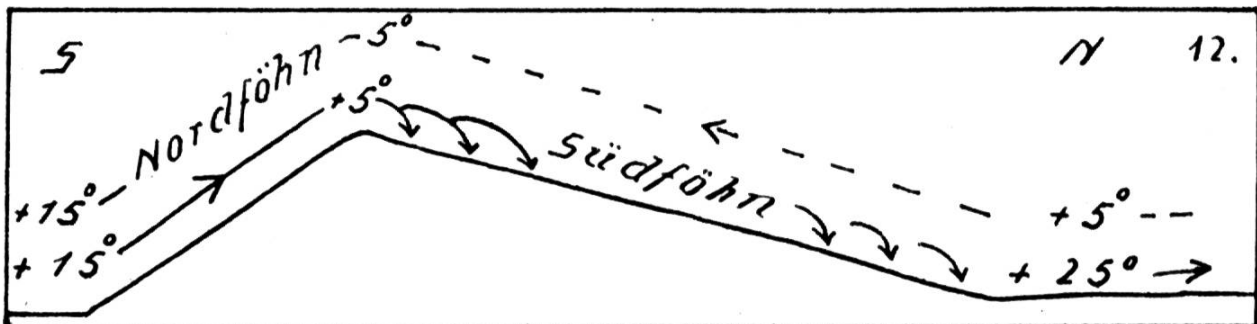
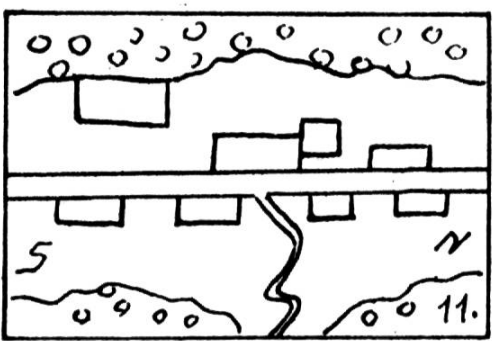
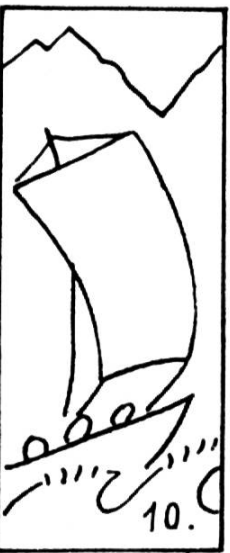
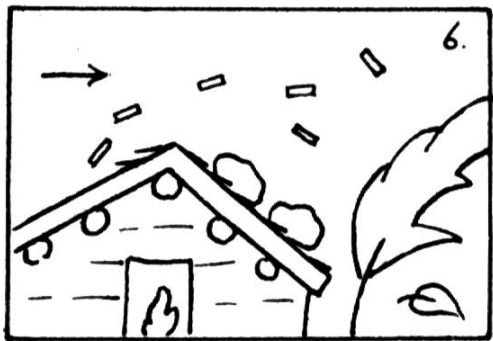
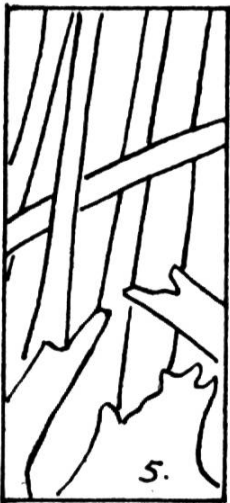
Die Flußschifffahrt.

Blatt: 61.

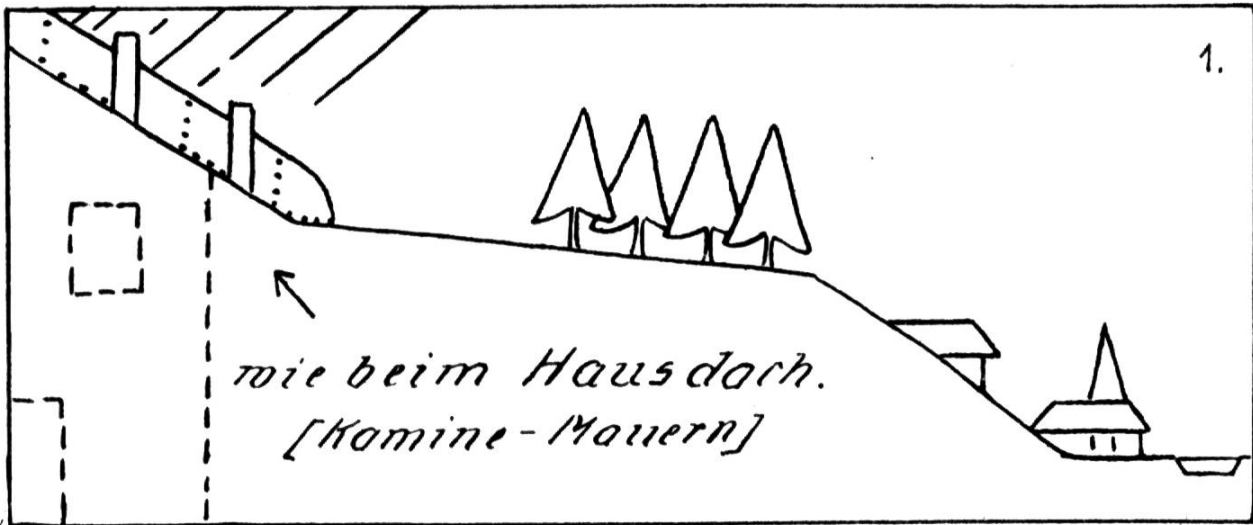


Der Föhn.

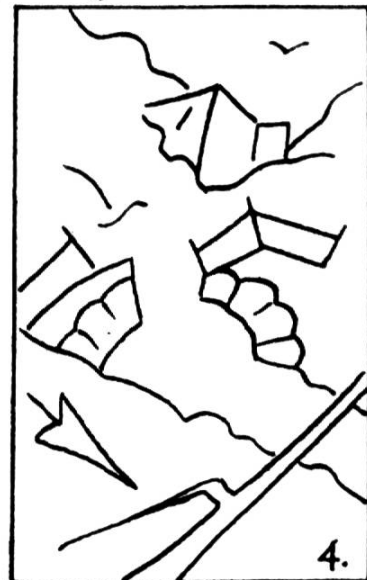
Blatt: 62.



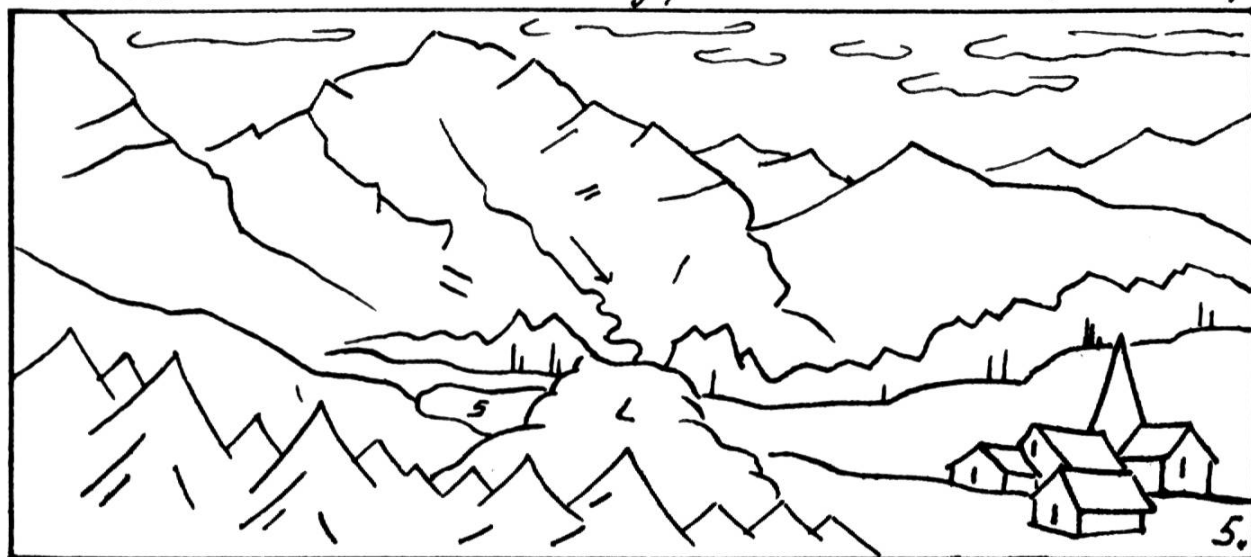
Die Lawine: Entstehung, Wirkung. Blatt: 63.



Ihre Entstehung und ihre Bekämpfung.



Lawineneinbruch am Hang, im Wald tobel, im Dorf.



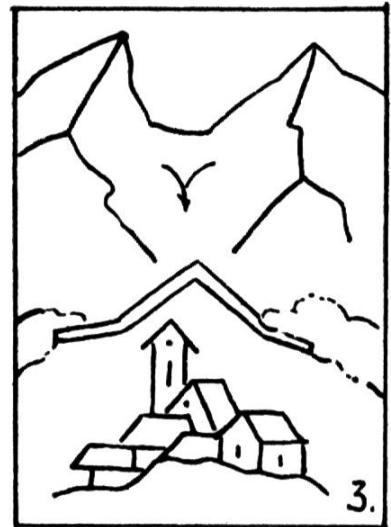
Als Talsperre und Frühlingsbringer.



1.



2.



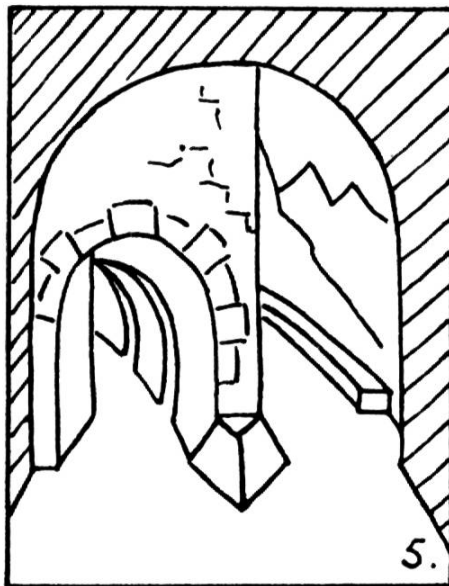
3.

Mauern-Bannm. Heilmauer

Spernmauer



4.

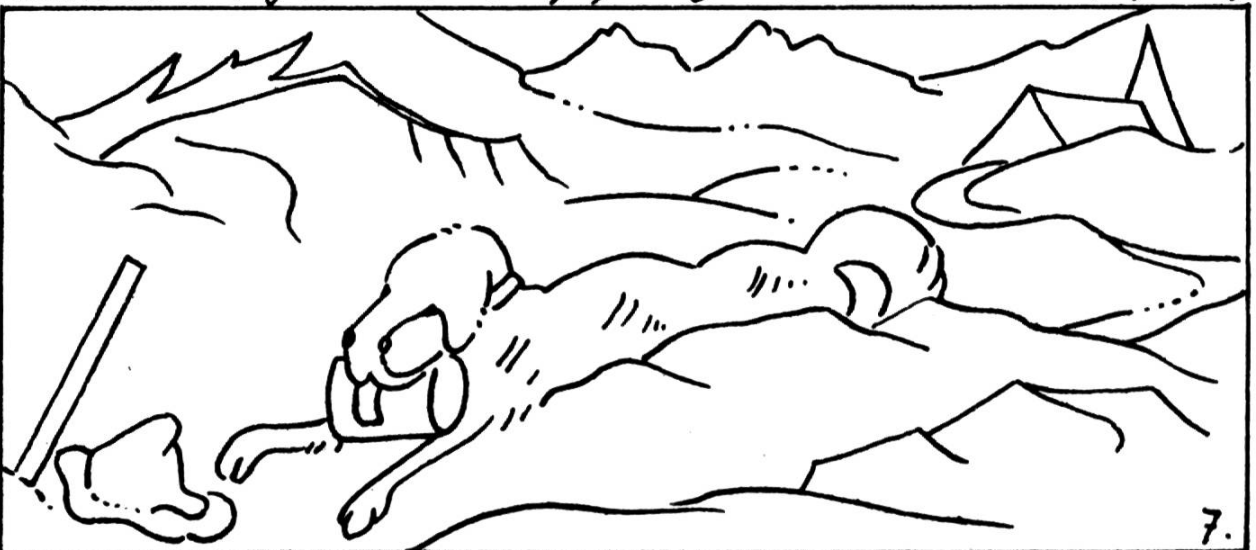


5.



6.

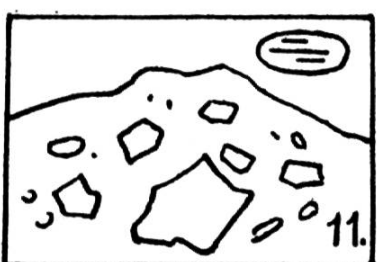
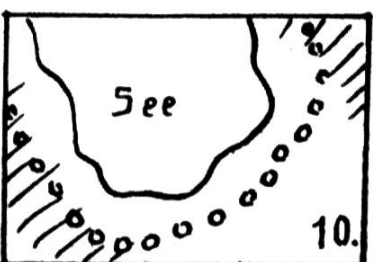
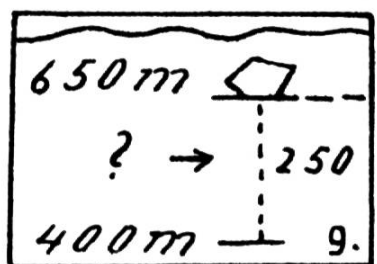
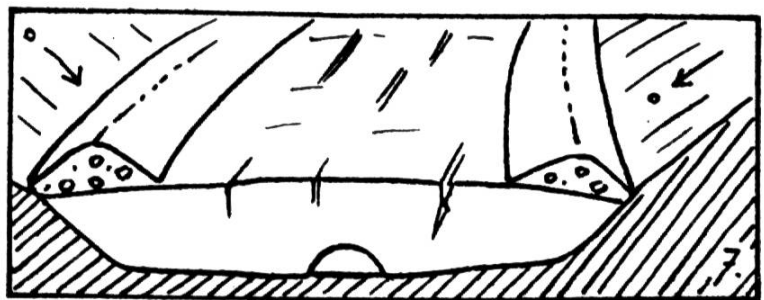
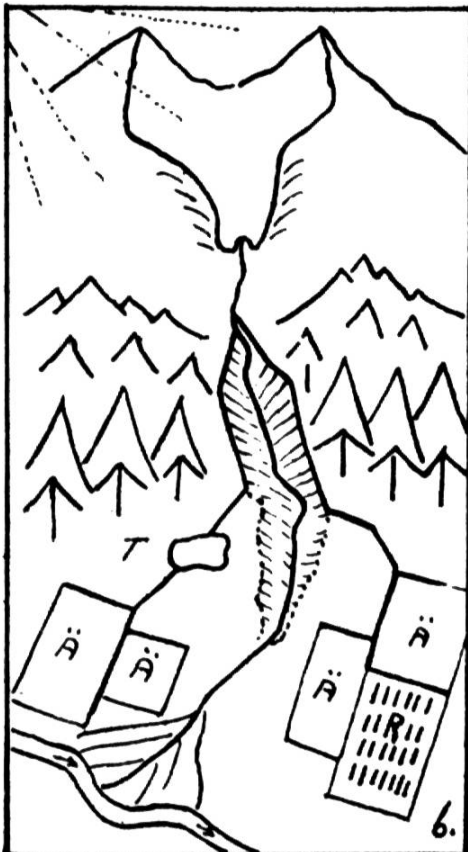
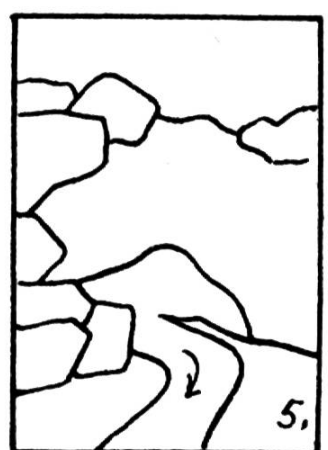
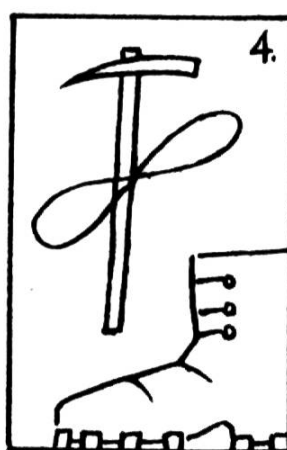
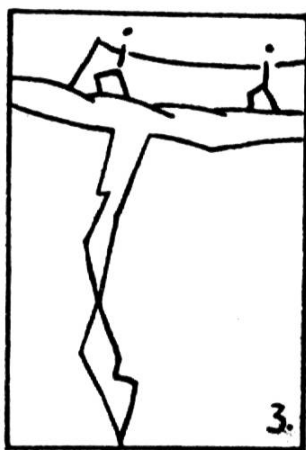
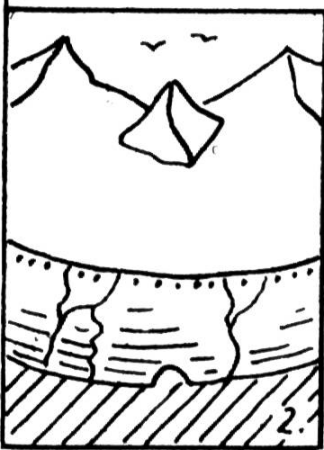
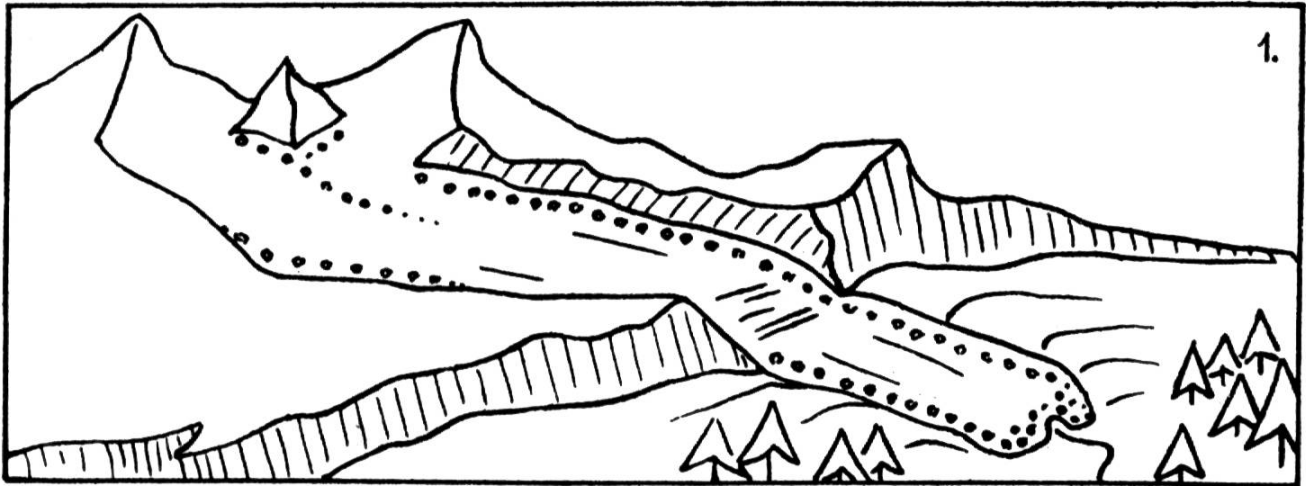
Lawinengalerie Doppelgalerie Schneeflug



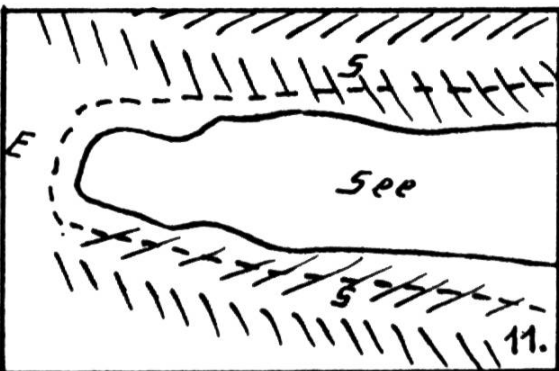
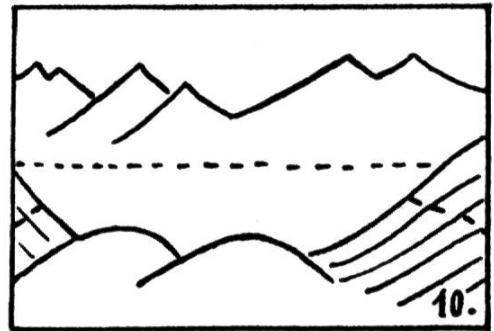
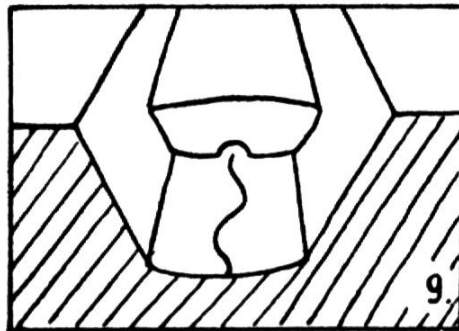
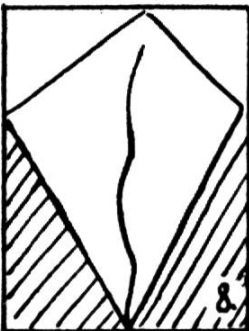
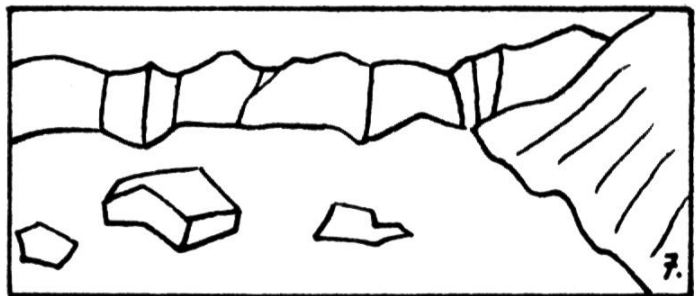
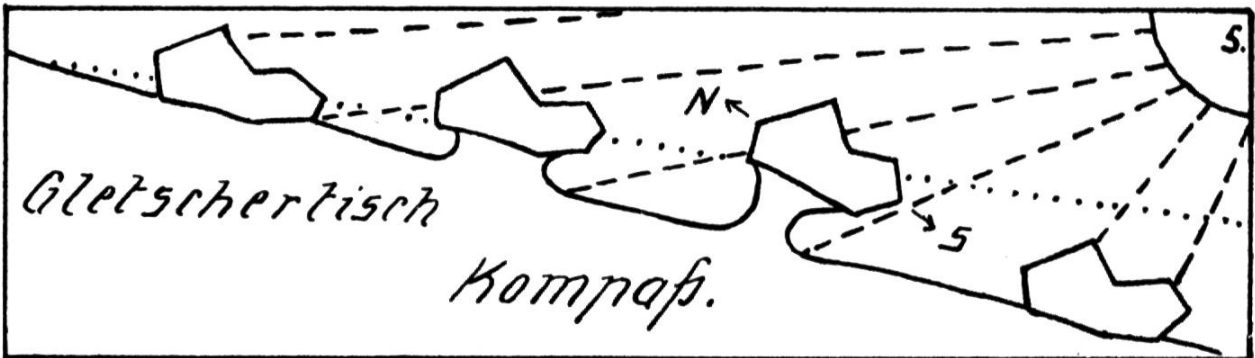
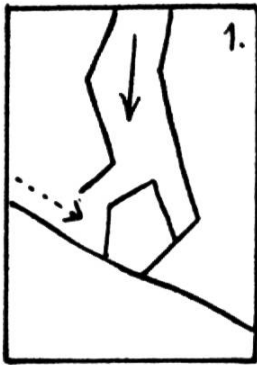
7.

Bernhardinerhund und Hospiz.

Der Gletscher: Entstehung, Aussehen. Blatt: 65.

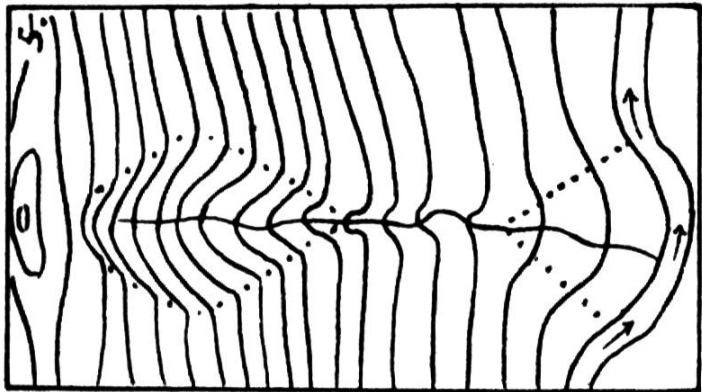
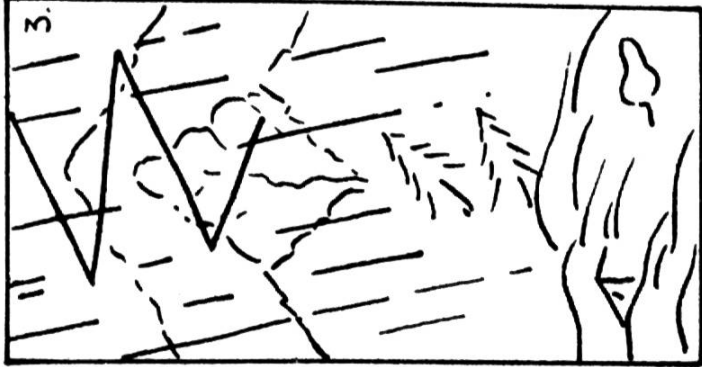
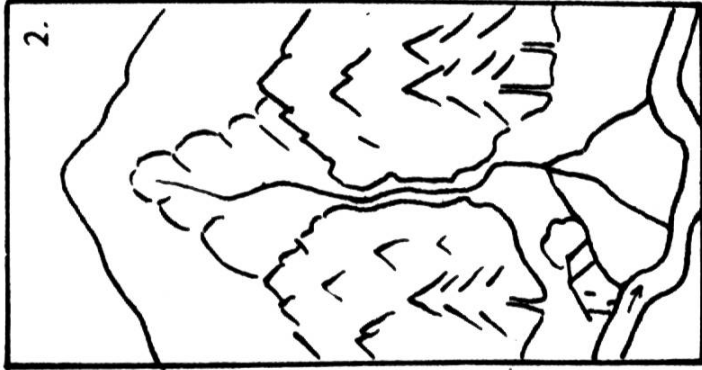
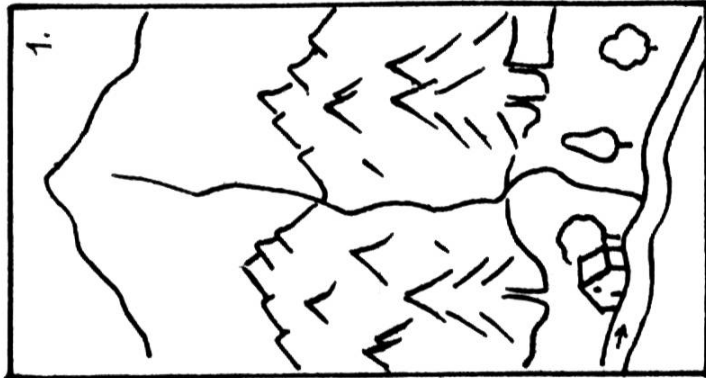


Der Gletscher: Erscheinungen, Talbildung. Bl: 66.



Die Runse.

Blatt: 67.



Der Bergbach wird z. Runse, überschweimt, wird verbaut. Plan.

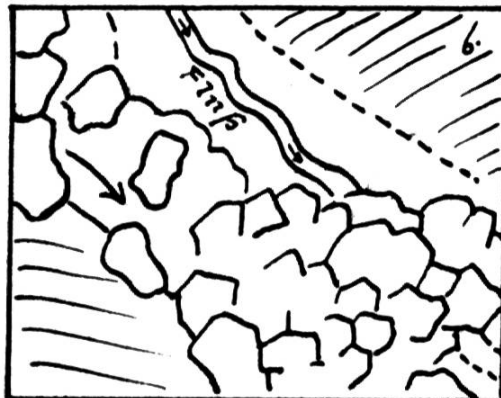
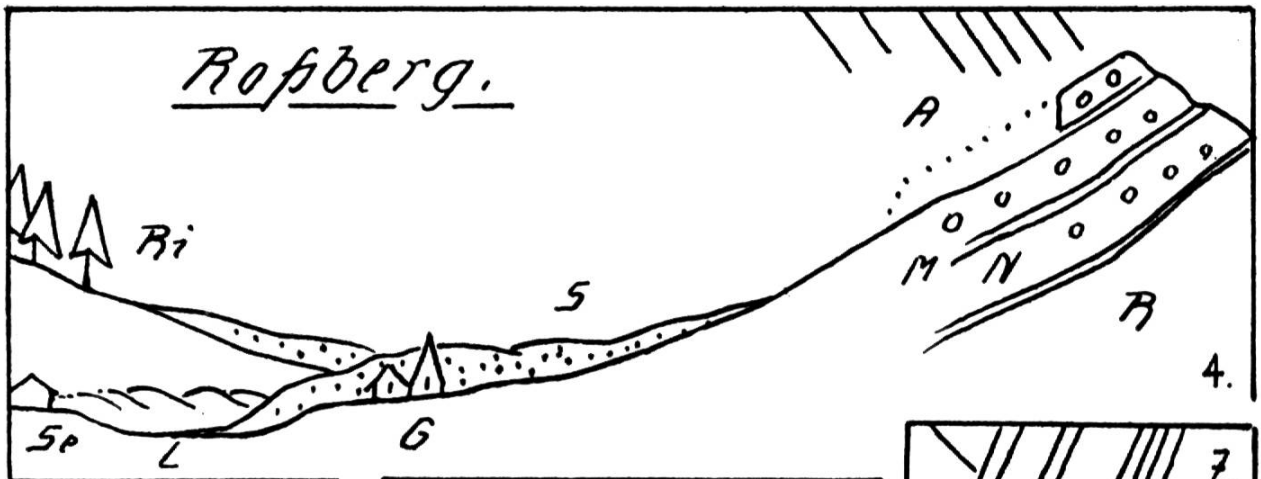
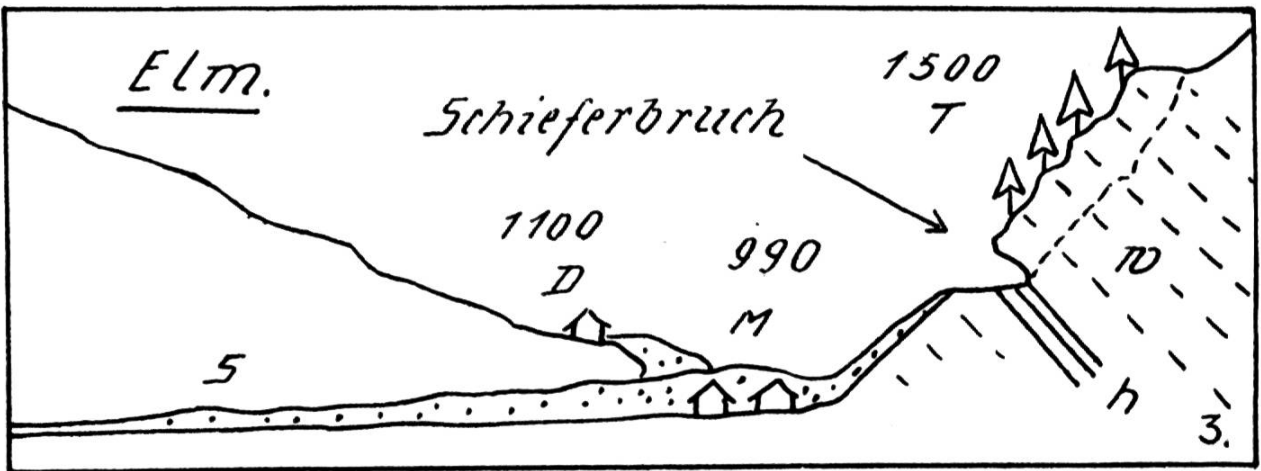
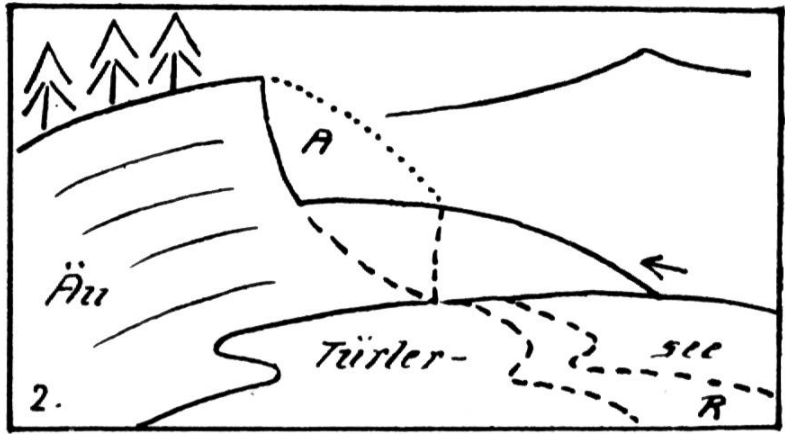
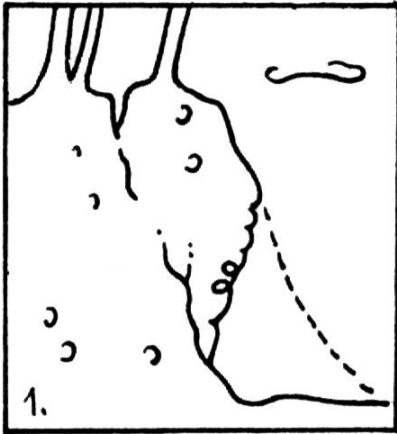


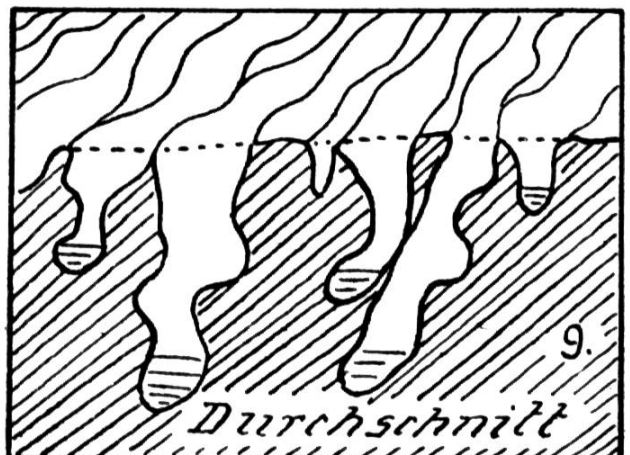
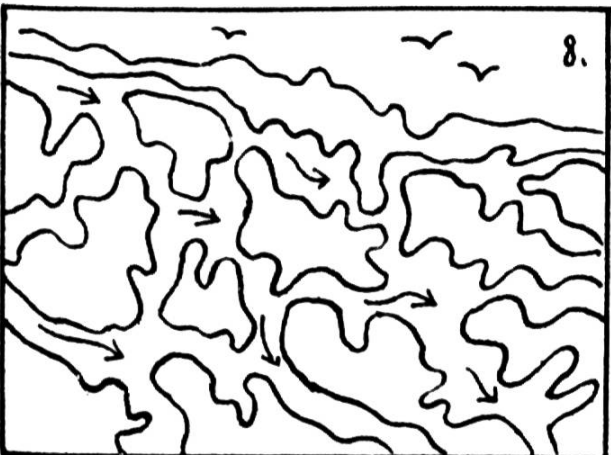
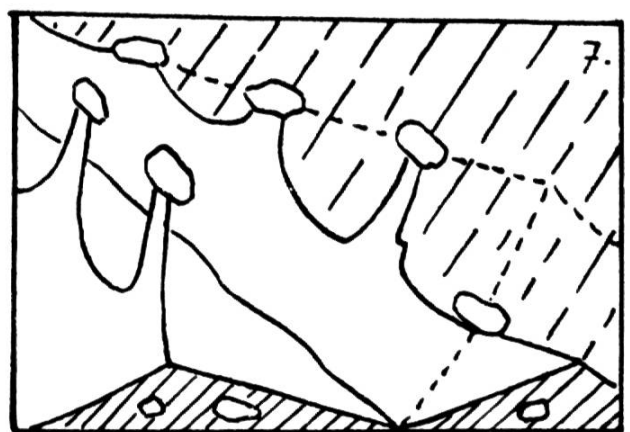
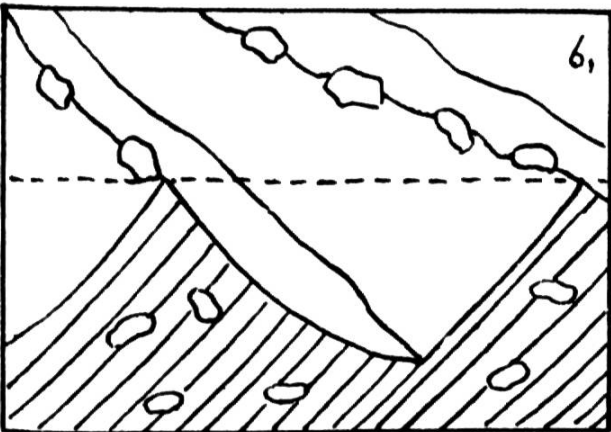
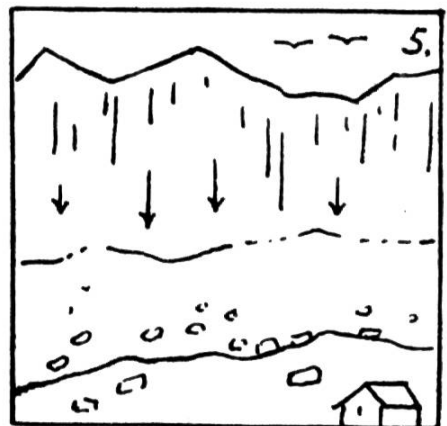
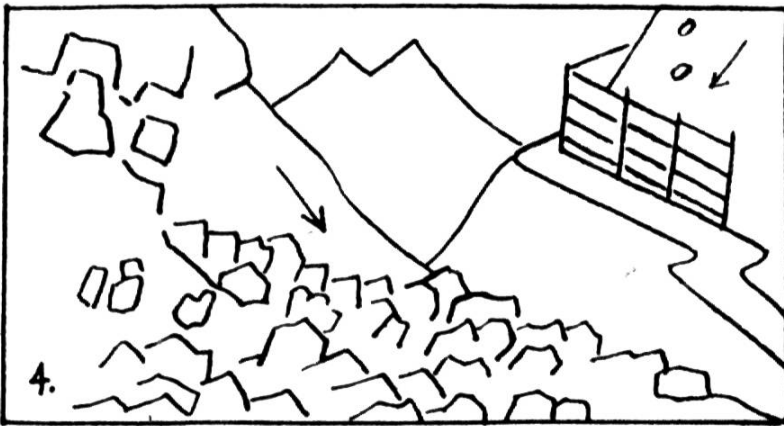
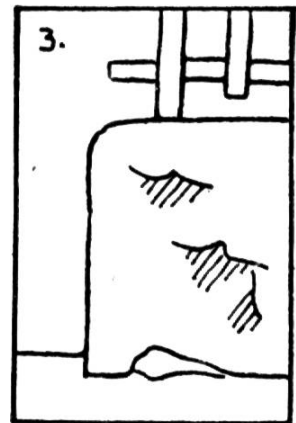
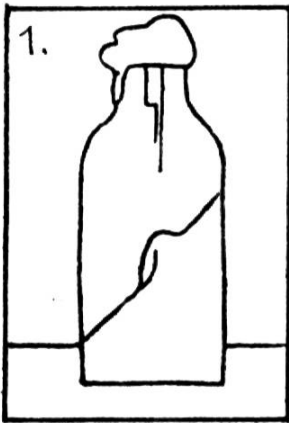
Sagenhafter Held.

Längsschnitt (Verbauung). Runsen bekämpfen.

Bergstürze.

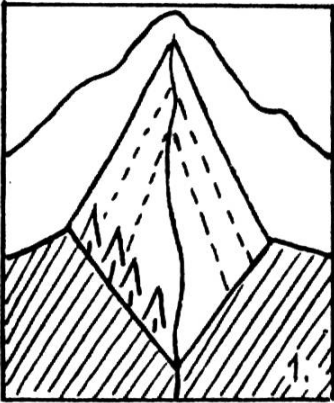
Blatt: 68.



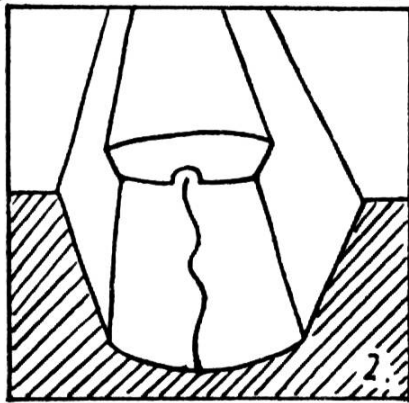


Talbildung; Ausfüllung.

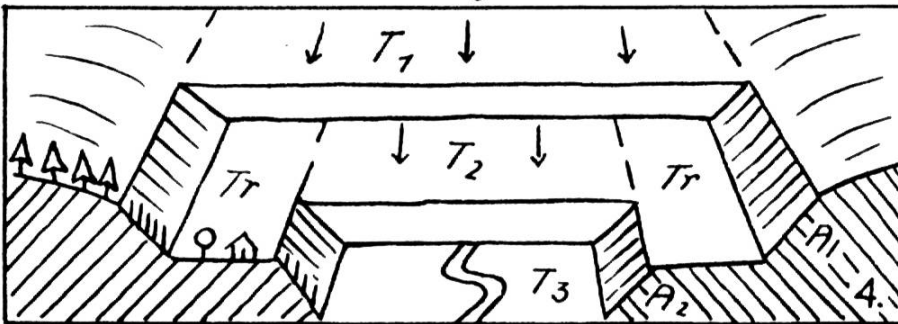
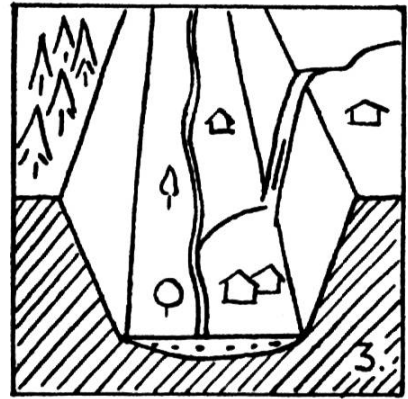
Blatt: 70.



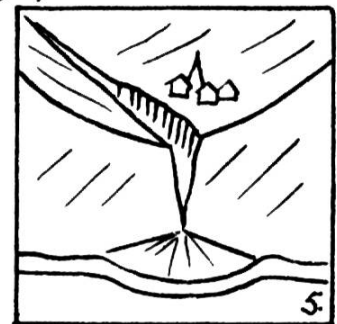
Kerbtal



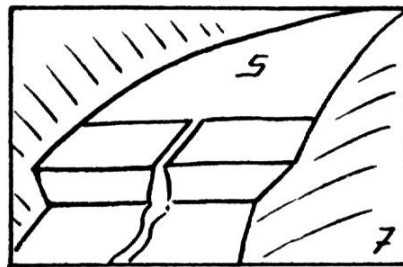
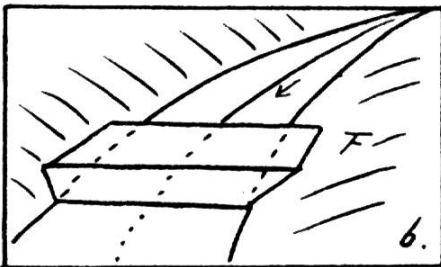
Trogtal: Entstehung, heute.



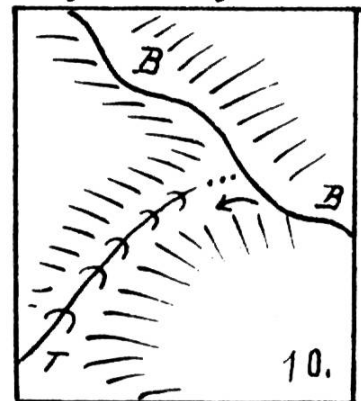
Terrassental: Entstehung.



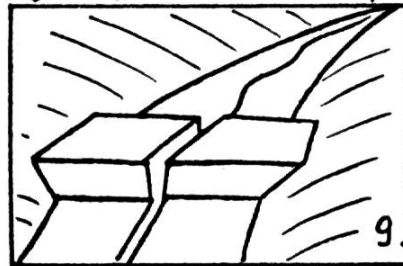
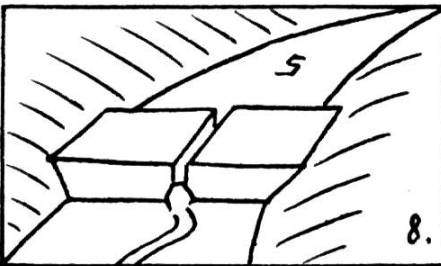
Vereinigung Trogtälern.



Die Schlucht: Felsriegel, Stausee,

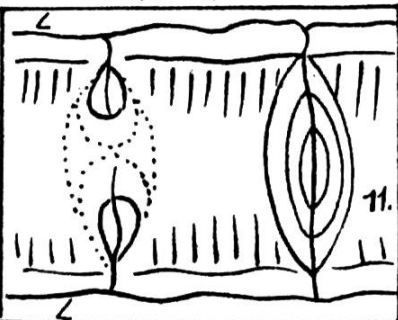


Rückm. Abgrabg.

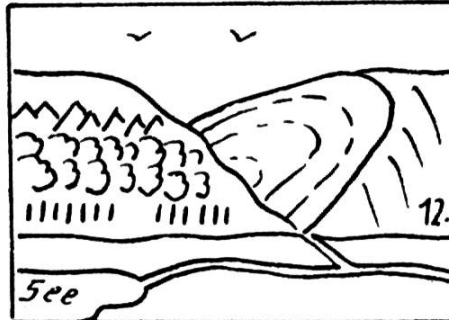


Abflurinne,

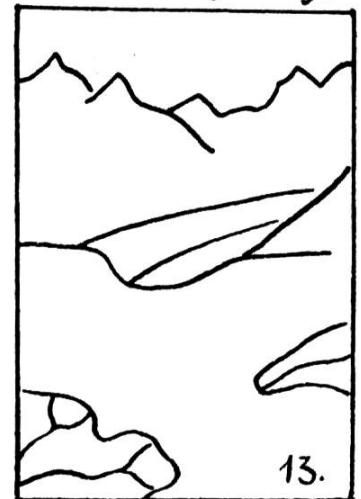
Schlucht.



Klusenbildung.



Klus (Ansicht) Anschwemmungen.



13.