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Autor: Bühler, Ernst
Kapitel: Skizzen
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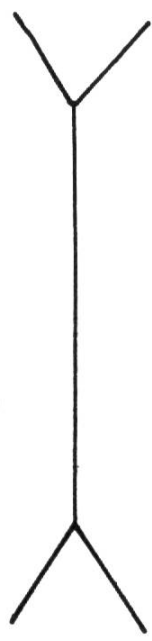
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SKIZZEN

Das kl. Längenmaß: Der Meter.

Blatt: 1.

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



Augentäuschung.



Klebe aus Streifen

in richtiger Größe

1cm



1dm

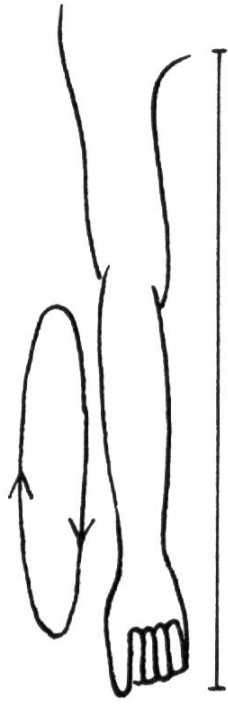


1m (gefaltet)

Miß: ————— Zeichne 3cm 4mm:

Alle Längenmaße. (Die Elle)

Blatt: 2.



Elle: 60cm

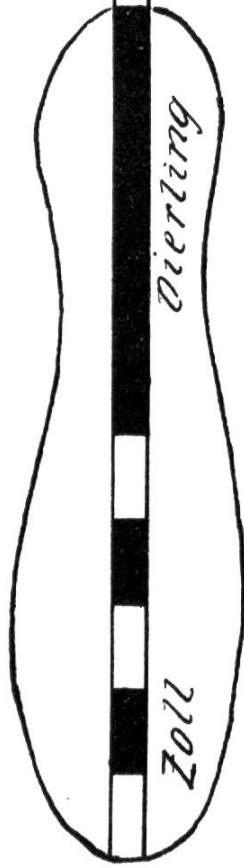


Fuß: 30cm

Dierling Zoll

15cm

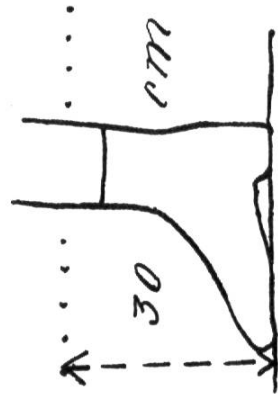
Schneide u. klebe
in Naturgröße



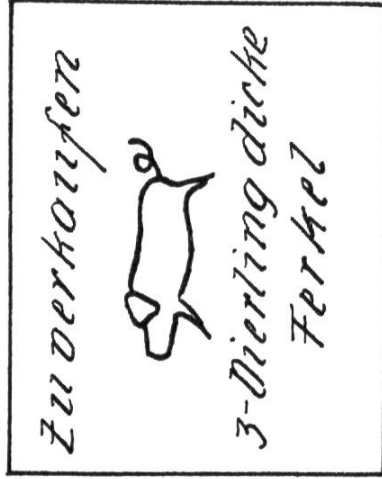
Alle Ausdrücke:



ellenlange Scheiter



fußtiefer Schnee



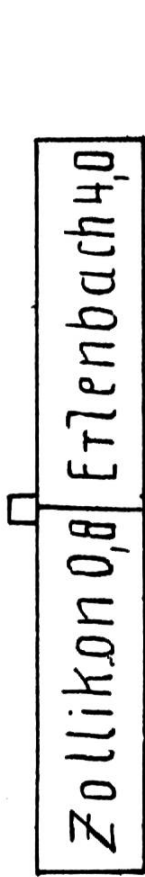
zolldicke Bretter



Das große Längenmaß (km)

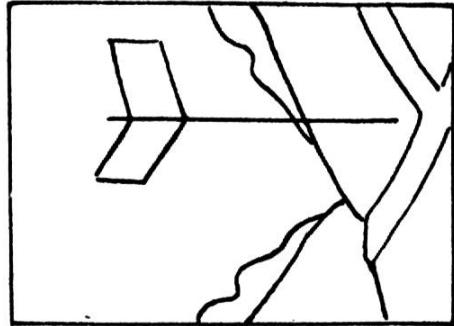
Blatt: 3.

Ergänze: 1 km vom Schulhaus



4 km 000 m

0 km 800 m



3 km 200 m

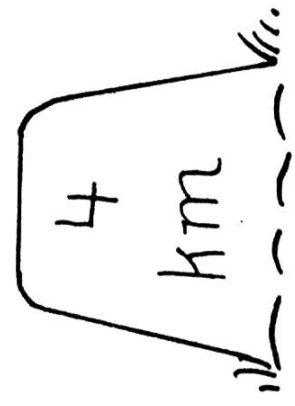


Am Kreuzweg.

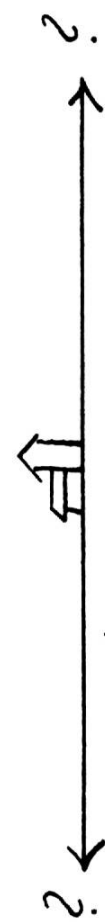
Wegweiser

4 km = ca. 15 Min.

3 km 200 m

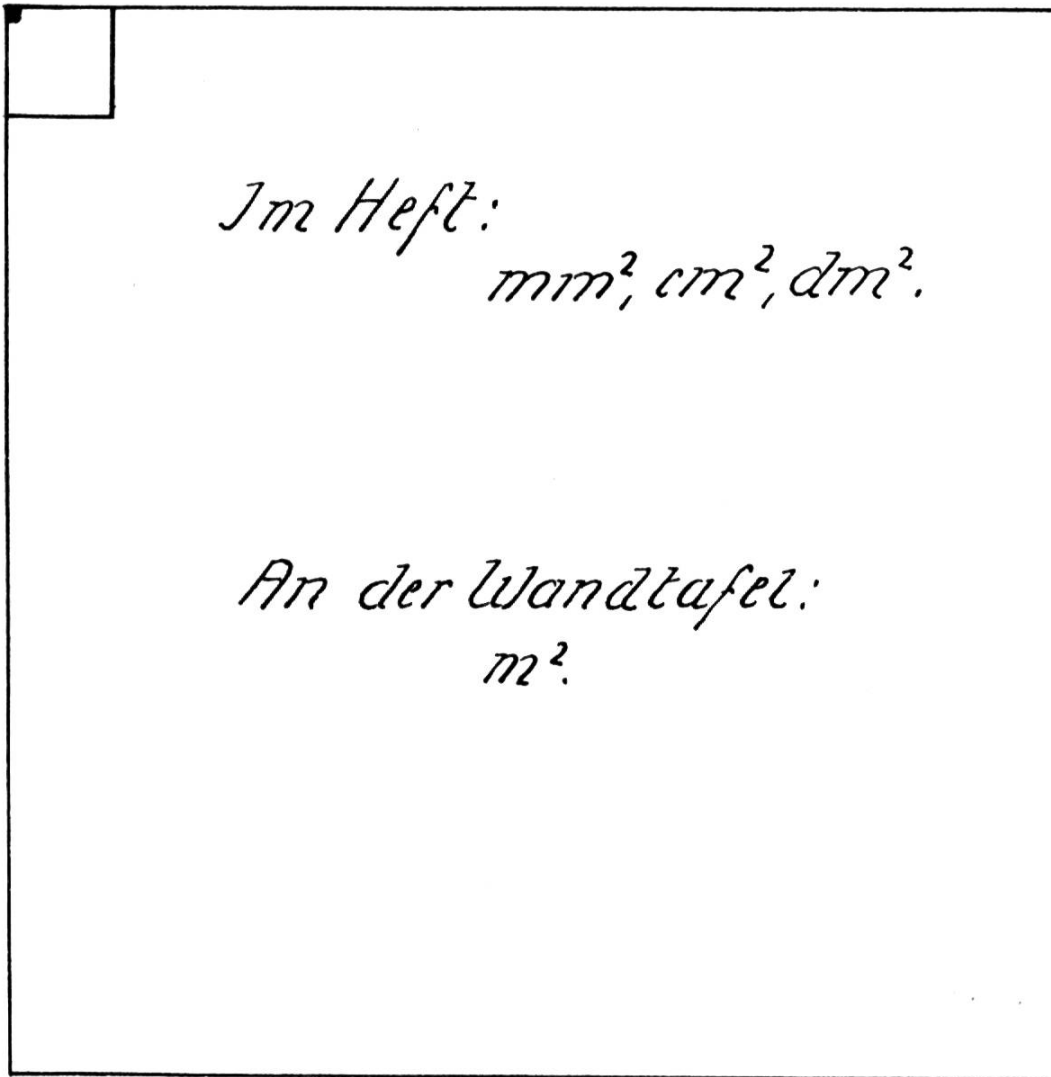


15 Minute vom Dorfe.

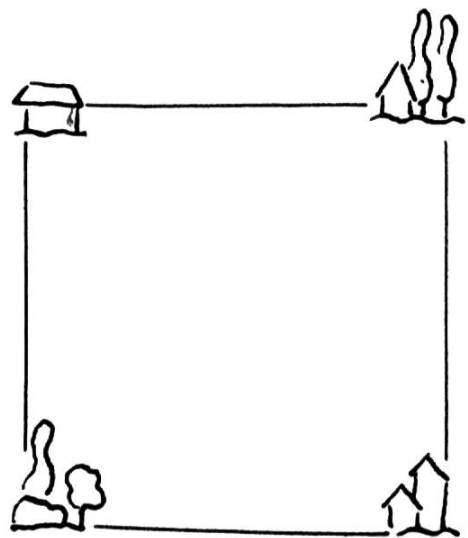
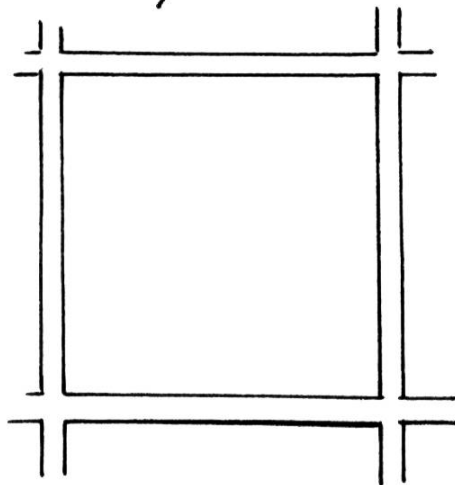
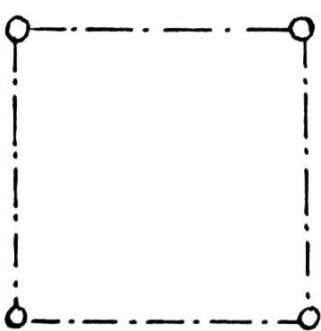


4,8 km

Hundertertäfelchen km-Stein



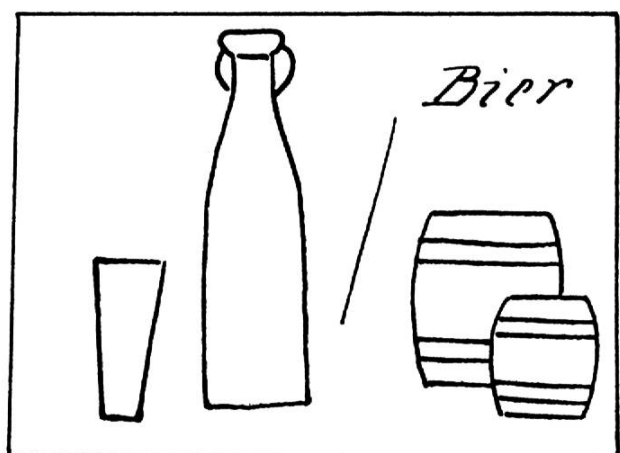
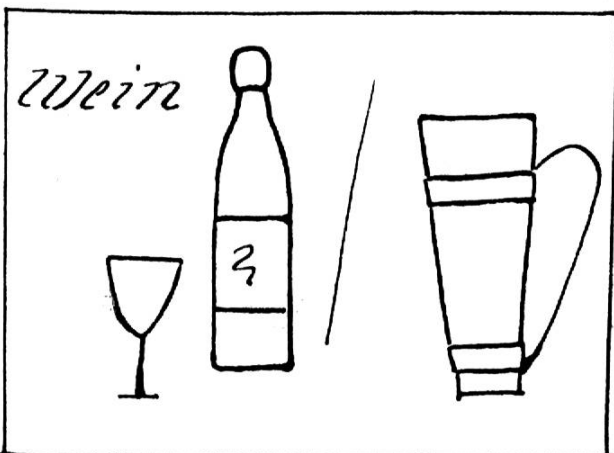
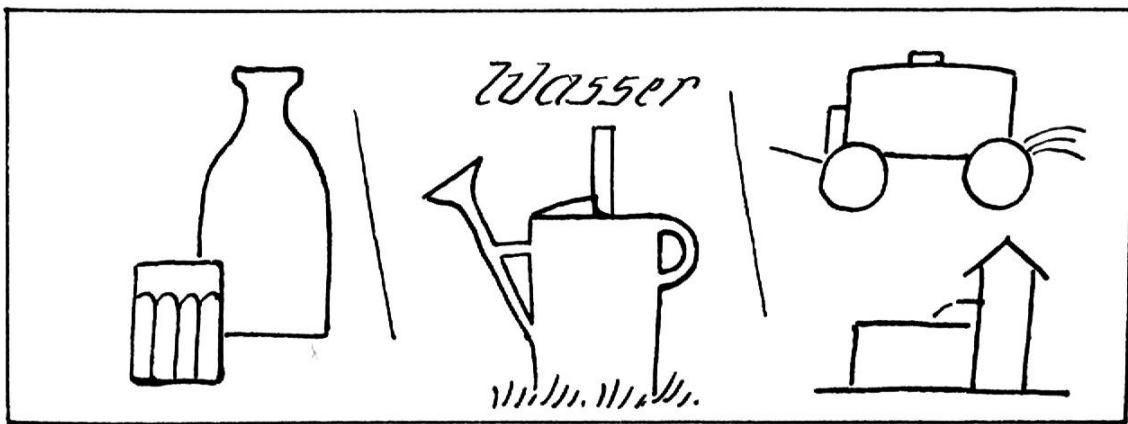
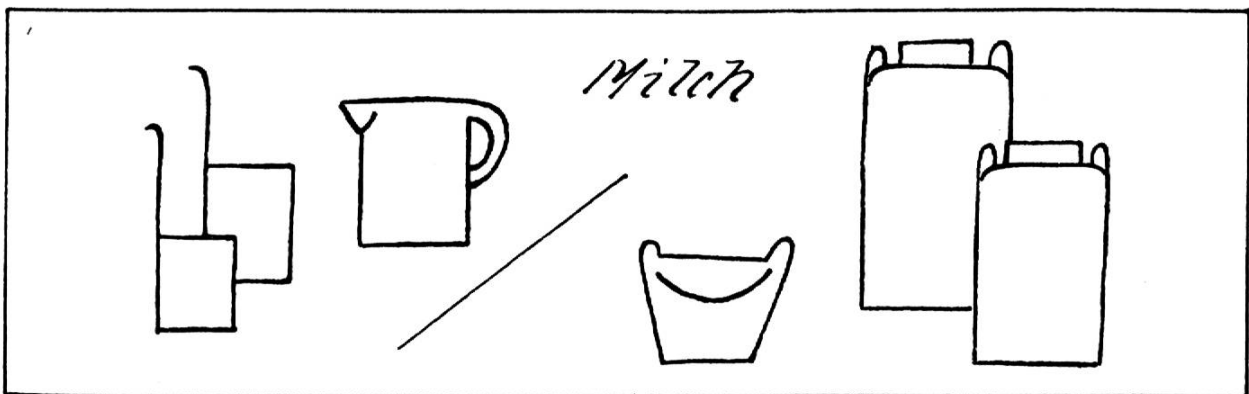
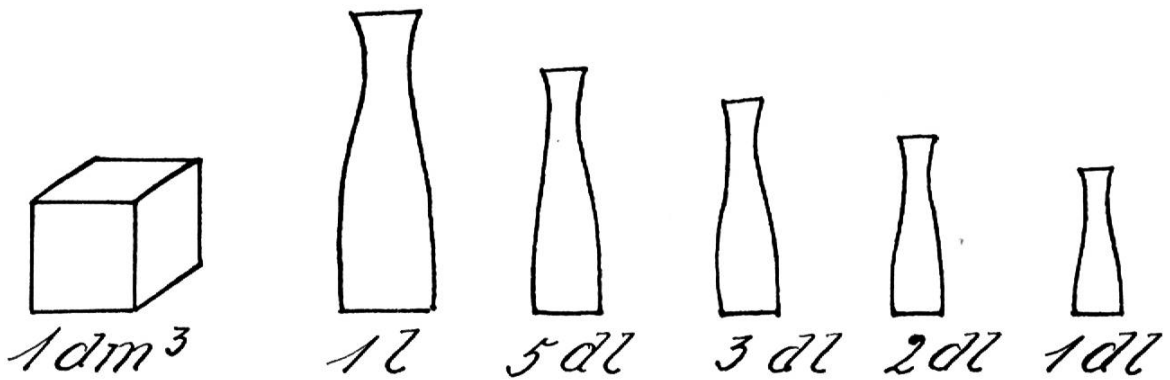
Im Freien ablaufen:



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

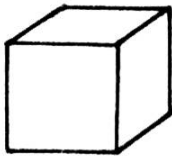
Die Hohlmaße

Blatt: 5.



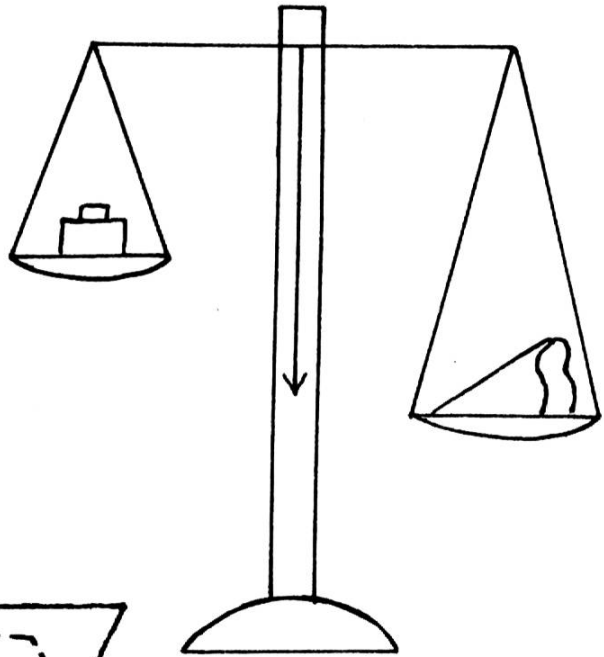
Gewichte u. Waage.

Blatt: 6.

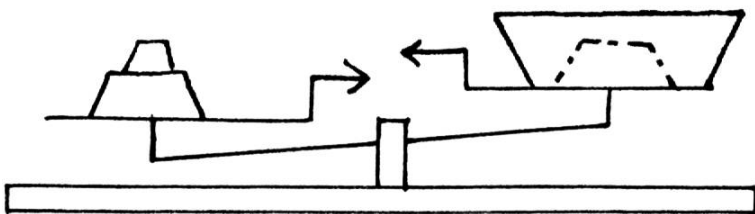


*1 cm³ Wasser
= 1 g*

*1 dm³ Wasser
= 1 kg*

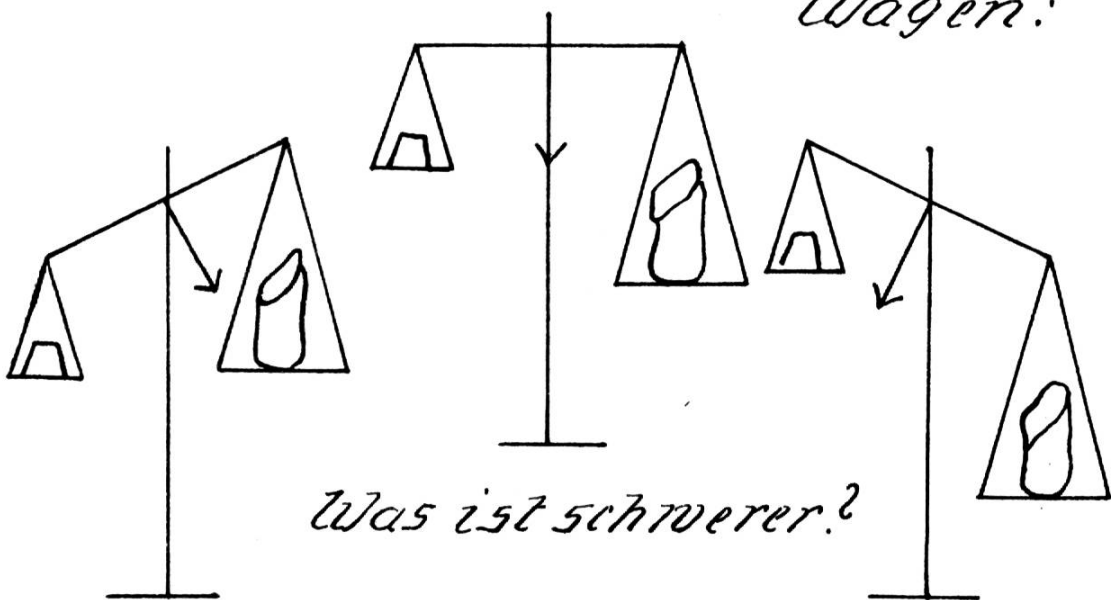


*Apotheker-
waage.*



Krämerwaage.

Wägen:



Was ist schwerer?

Gewicht!

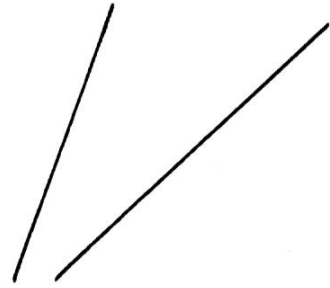
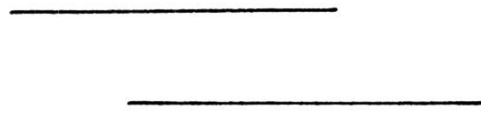
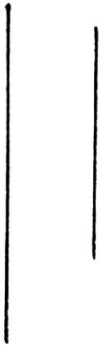
*Gleich schwer!
Gleichgewicht.*

Last!

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

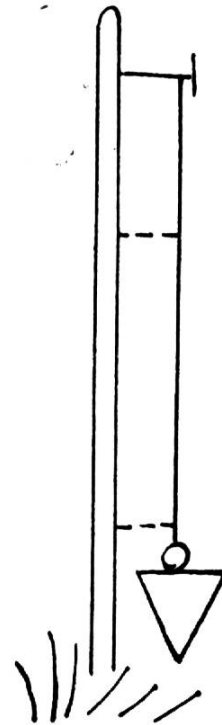
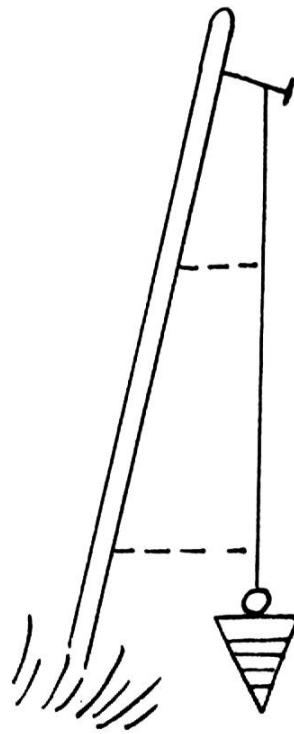
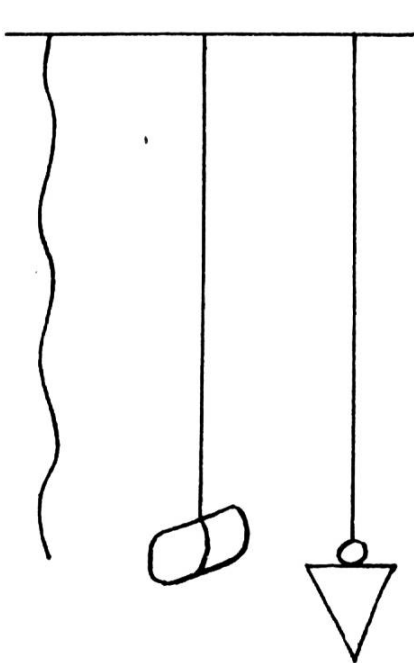
Die drei Hauptrichtungen. Blatt: 7.

lotrecht waagrecht schief.

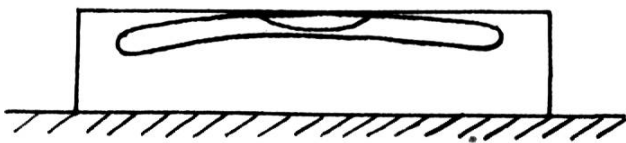


Das Senkblei

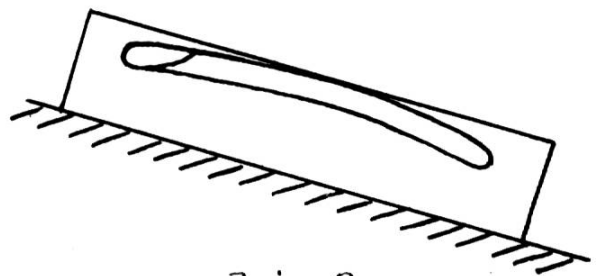
Seine Herstellung. Seine Verwendung.



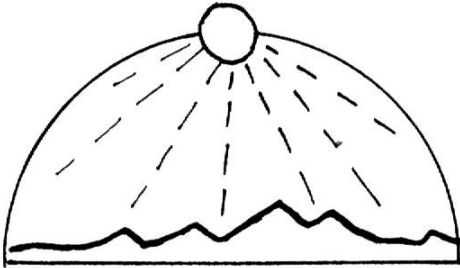
Die Wassermasse.



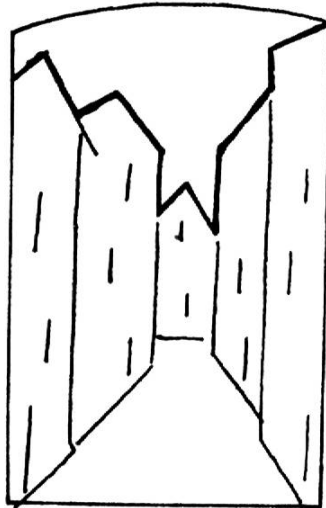
waagrecht



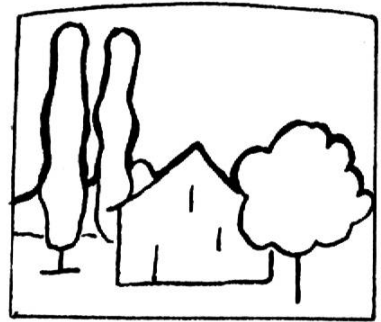
schief.



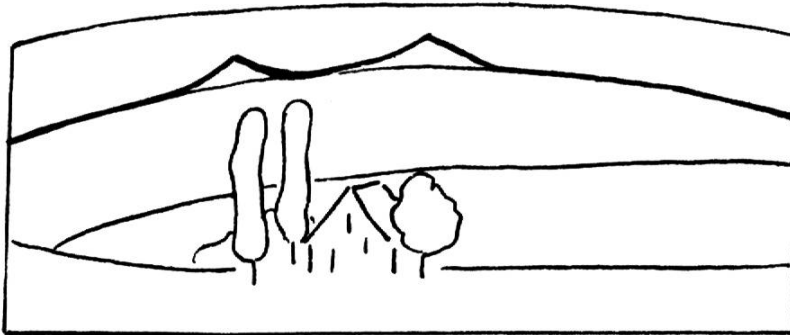
Himmels gewölbe?



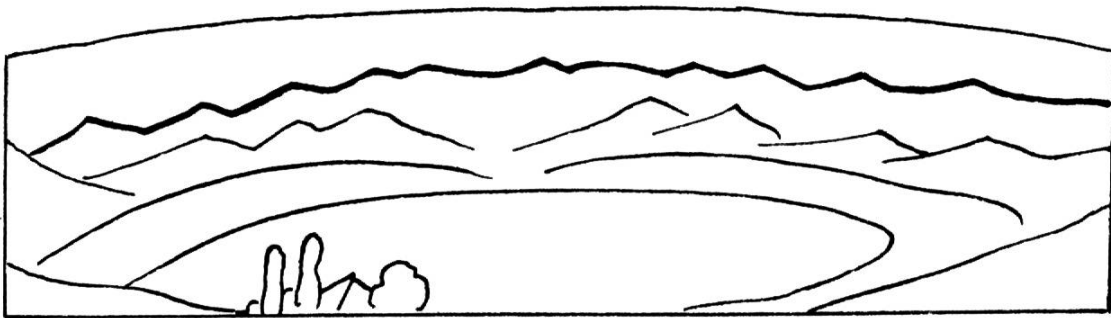
In der Gasse



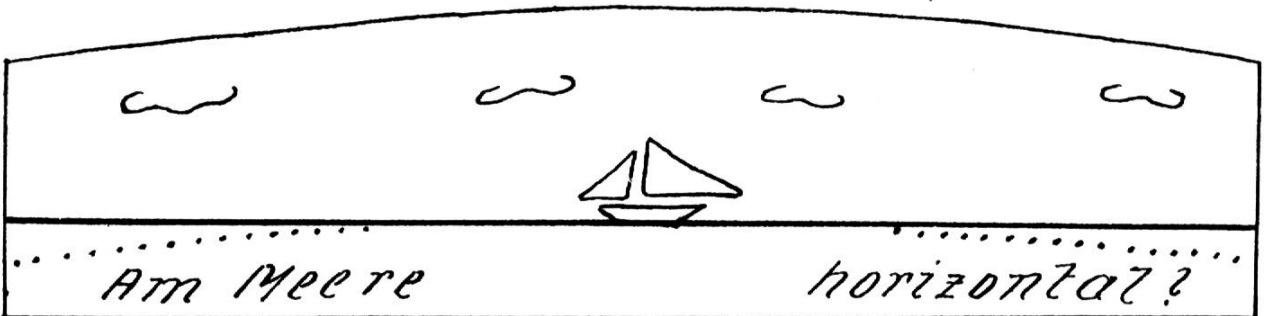
In der Ebene



Vom Hügel



Vom Berge



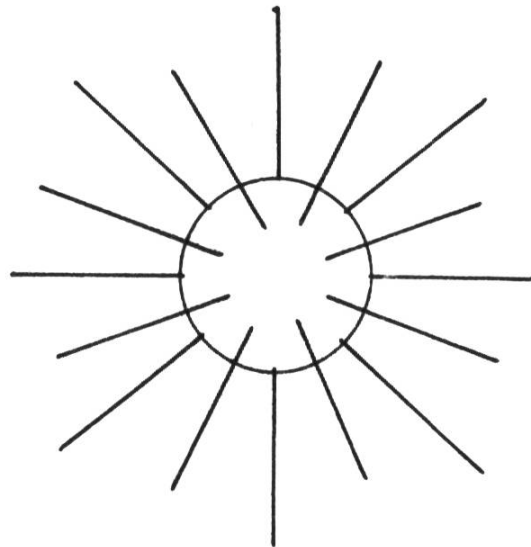
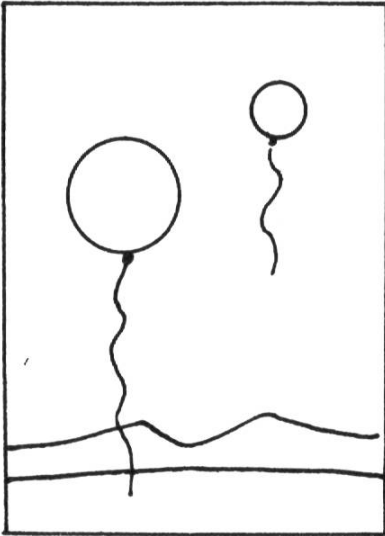
Am Meere

horizontal?

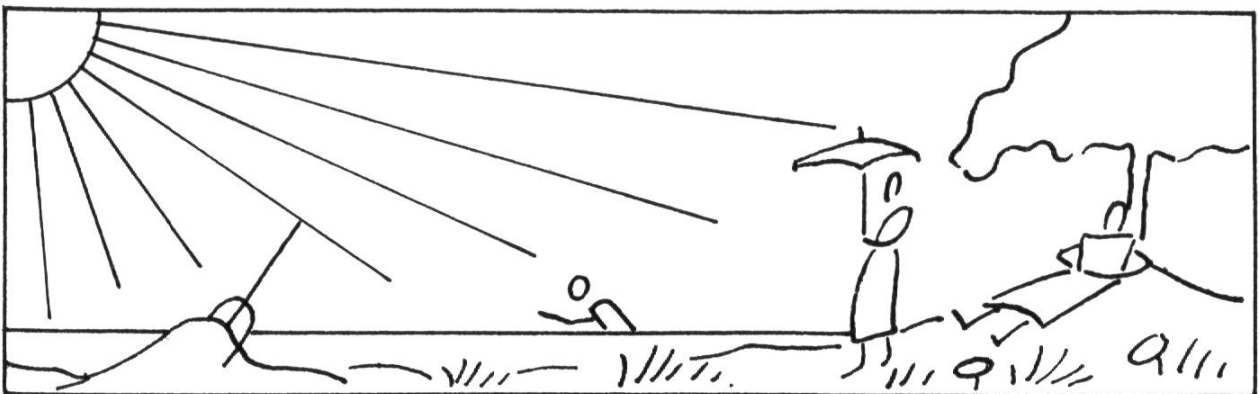
Die Sonne.

Blatt: 9.

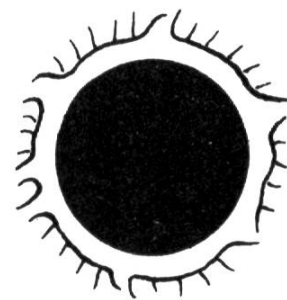
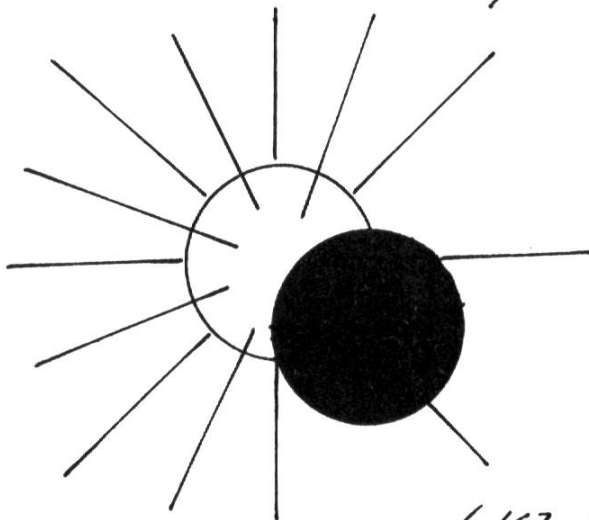
Fliegende Kugeln. Sonne mit Strahlen



Wenn die warme Sonne scheint. (Aufsatz)



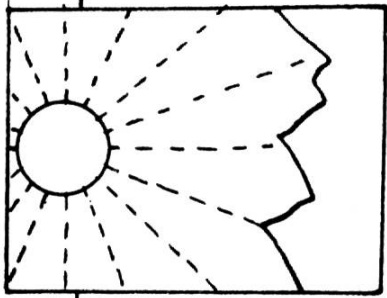
Eine Teilweise eine totale
Sonnenfinsternis



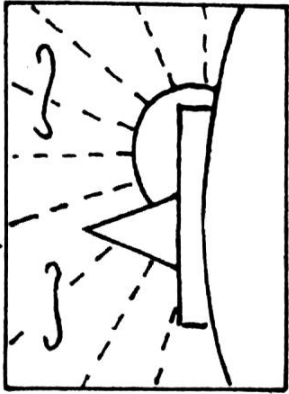
(Kleben und zeichnen)

Die Tageszeiten.

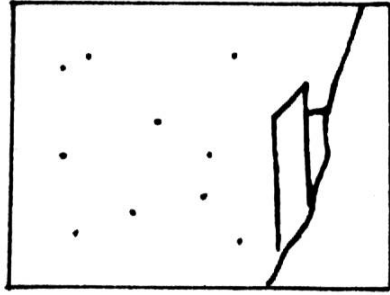
Blatt: 10.



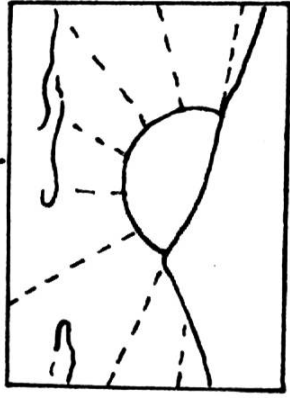
2. Sonnenhöhe
Mittag
Süden



1. Sonnenaufgang
Morgen
Osten



4. Sonnentiefe
Mitternacht
Norden



3. Sonnenunterg.
Abend
Westen

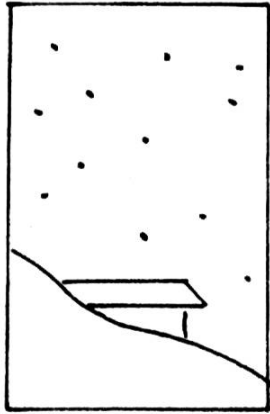
bogen

bogen

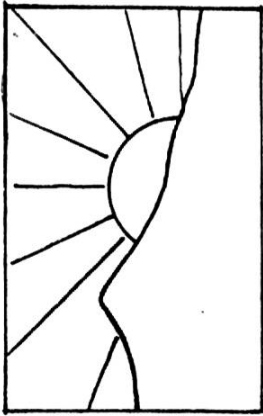
Nacht

Tag

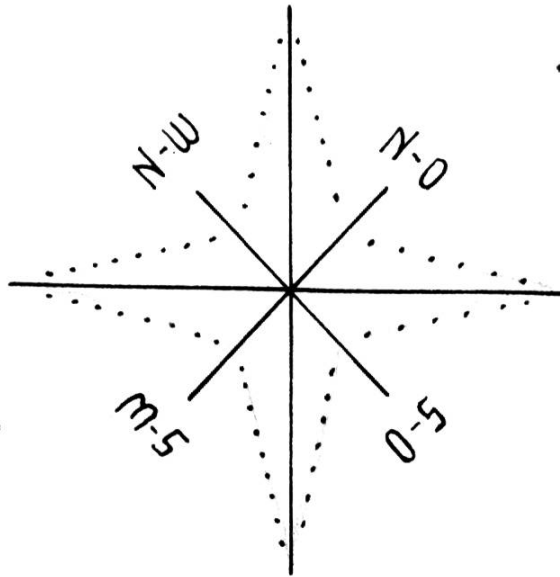
Die Himmelsrichtungen. Blatt: 11.



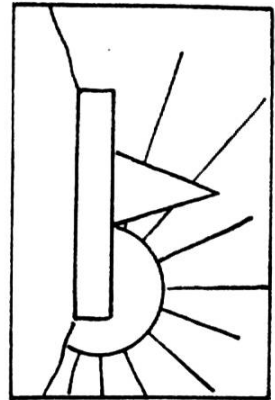
5.-Tiefe-M.nacht-Norden



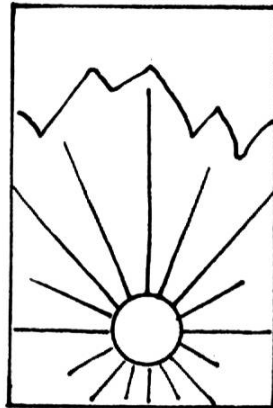
5.-untern.-Abend-Western



5.-aufg.-Morgen-Ostern



5.-Höhe-Mittag-Süden



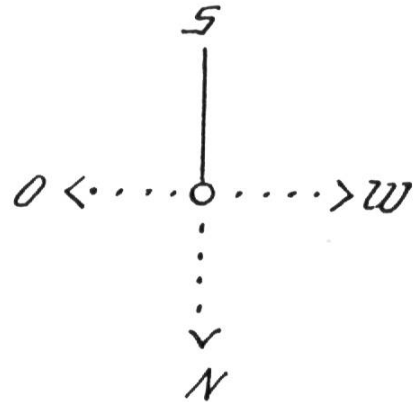
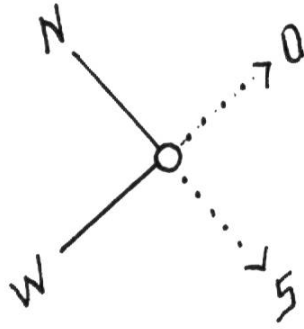
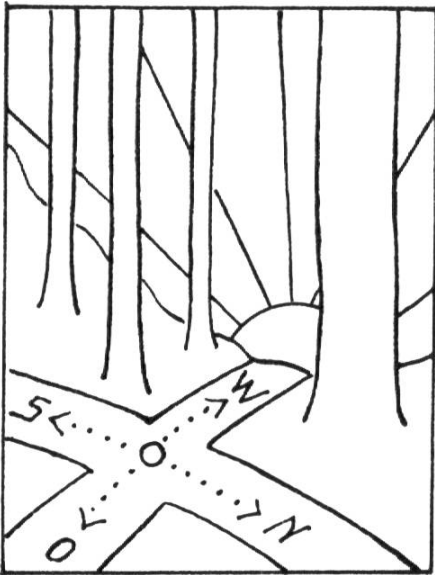
Zuerst legen, dann aufstellen!

Die Orientierung.

Blatt: 12.

Abends verirrt.

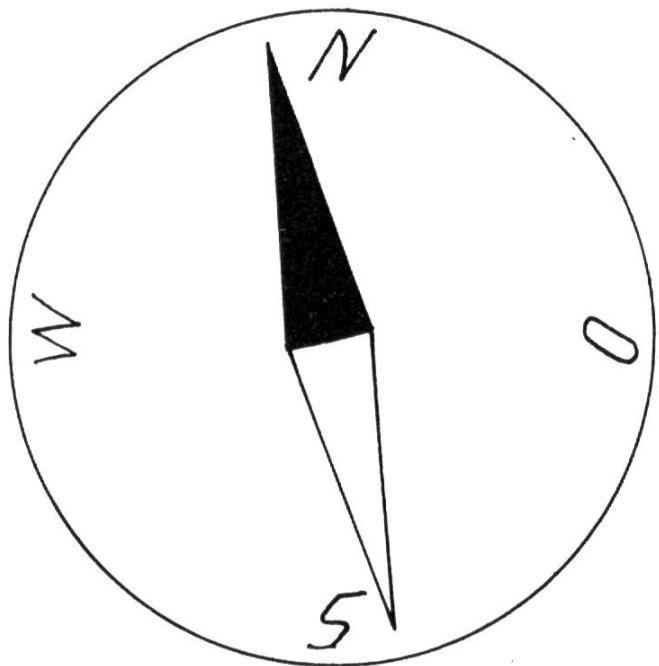
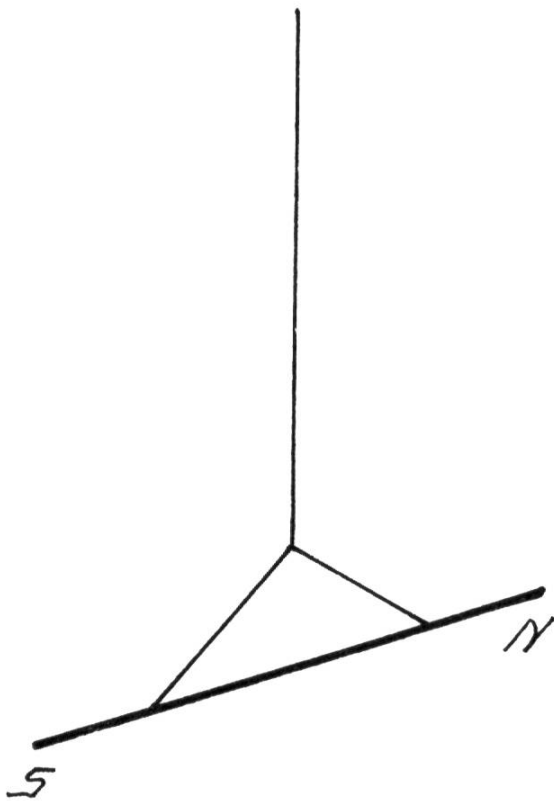
Ergänze diese
Windrosen!



Himmelsrichtungen?

Meine magnetische
Stricknadel

Der Kompaß



Orientierungen im Freien (Sonne, Kompaß)

Der Schatten.

Blatt: 13.

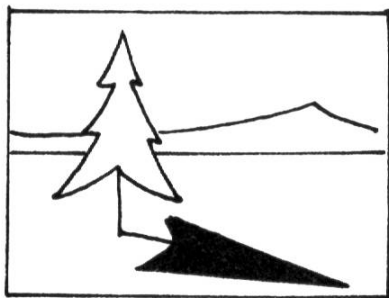
Stärke einen Stab! Schatten?

Morgens nach
W

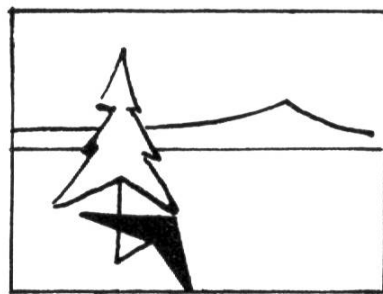
Mittags nach
N

Nie nach
: 5

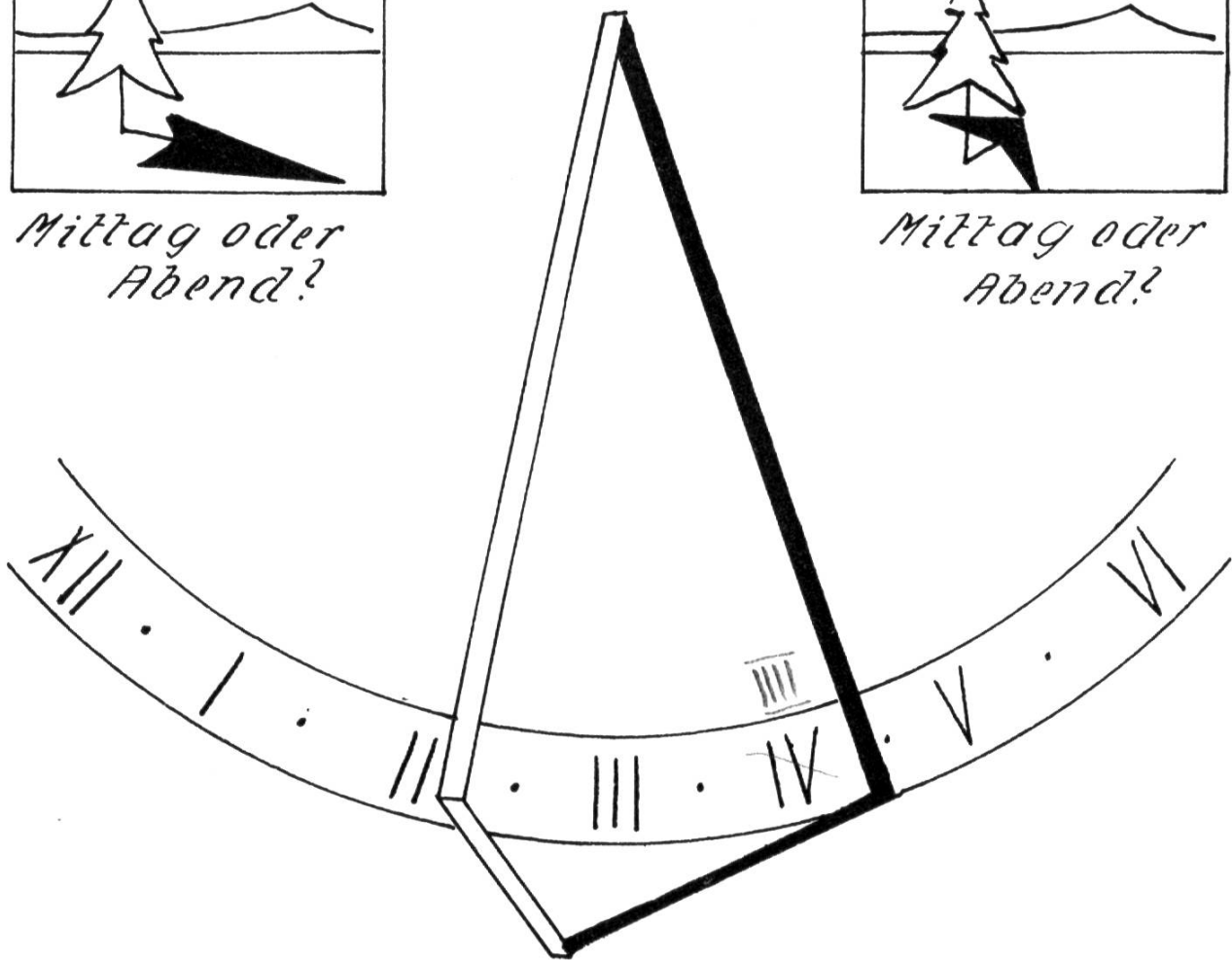
Abends nach
O



Mittag oder
Abend?



Mittag oder
Abend?



Sonnenuhr: Zeiger falten u. befestigen.

Die Tageslängen.

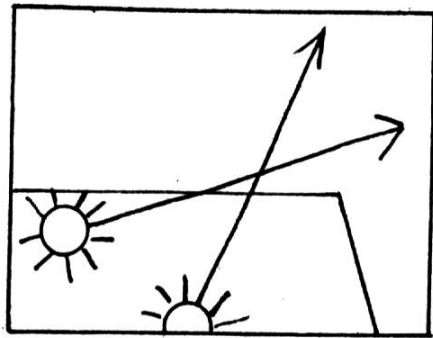
Blatt: 14.

4 Haupttage des Jahres

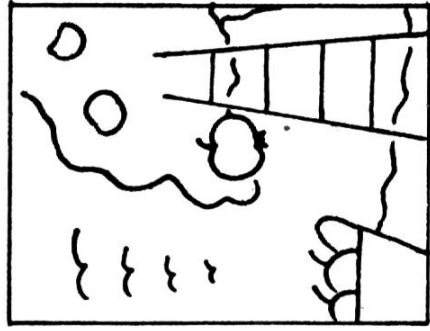
| Datum | Sonnen- aufg | unterg. | uhr | Länge d. Tages | Name d. Tages |
|-----------------|-----------------|---------|-----|-------------------|-------------------------------|
| 21. <u>III.</u> | 6 | 18 | 12 | 12 | Frühlings- Tag-u. Nachtgl. |
| 21. <u>VI.</u> | 4 | 20 | 16 | 8 | Längster Tag. |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

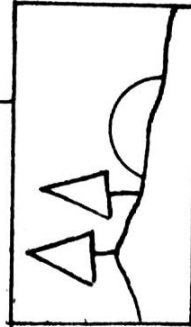
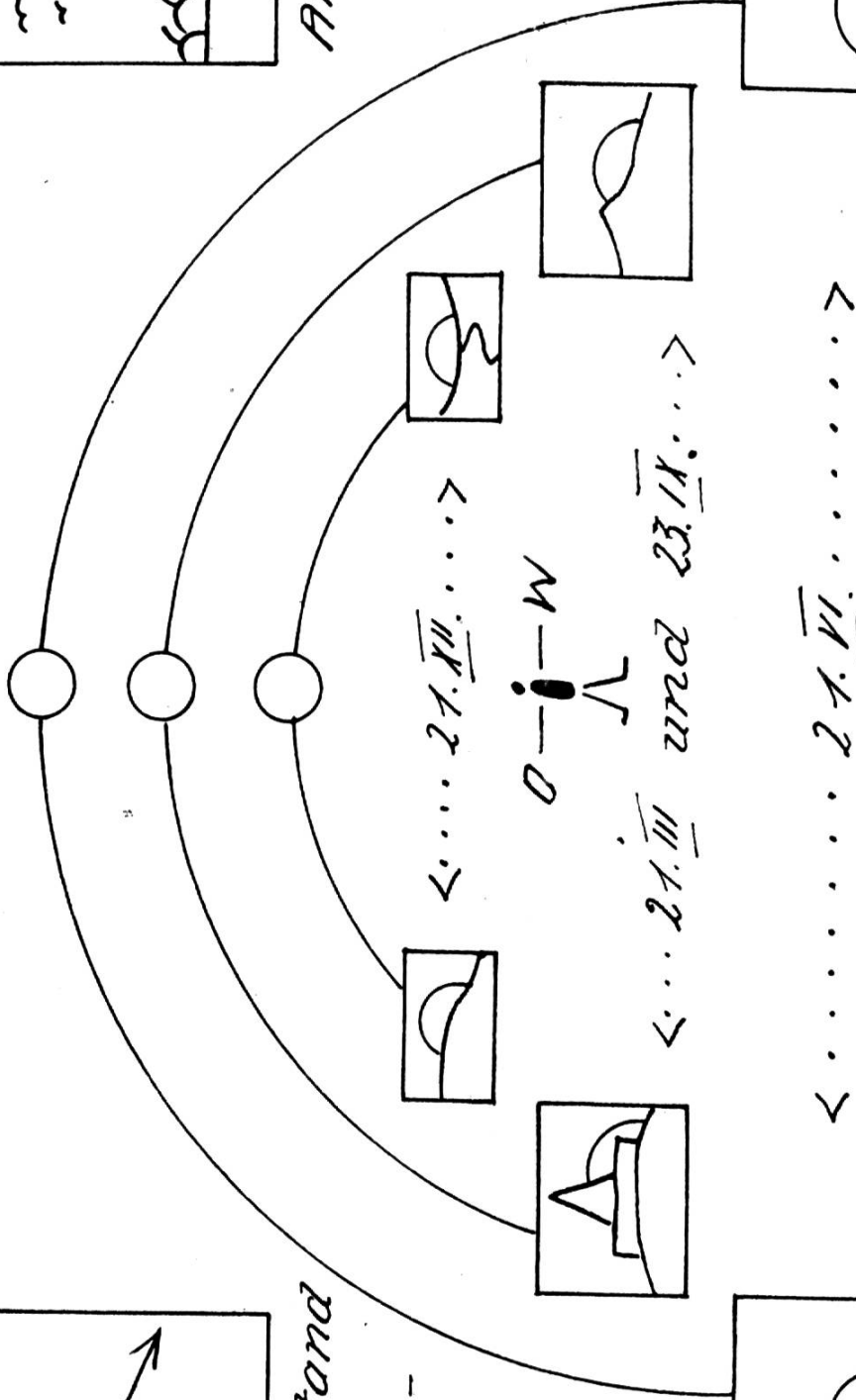


Sonnenstand
u.
Zimmerbe-
leuchtig.



Arbeiten
im
Herbst.

Sonnenhöhe



Sonnenaufgänge.

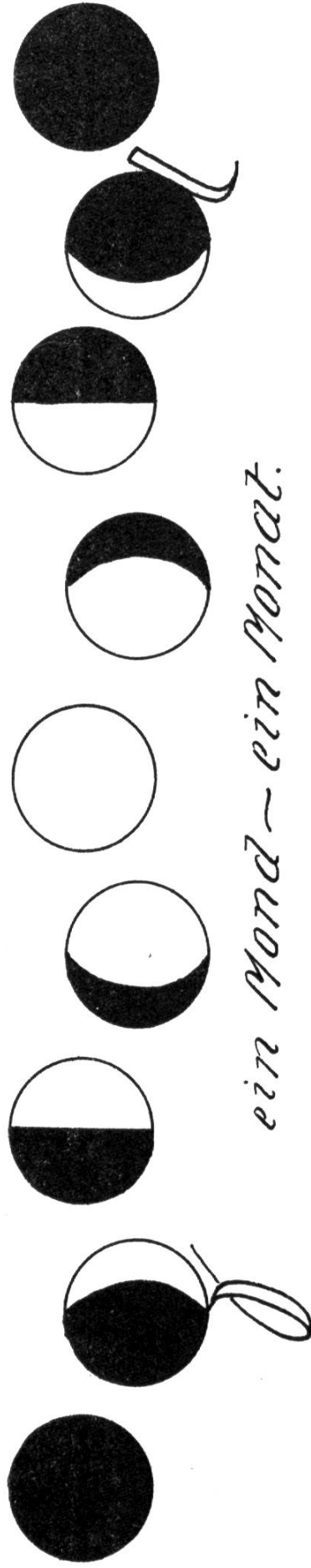


Sonnenuntergänge.

Dom Monde.

Blatt: 16.

Leer- Zunehmende(r) Voll- Abnehmende(r) Leer-
mond Sichel Halbmond Mond Halbmond Sichel mond



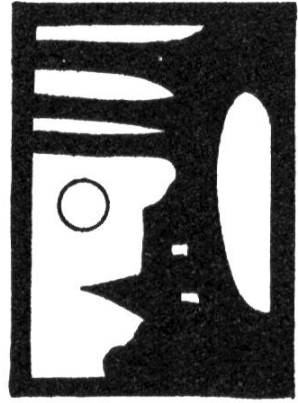
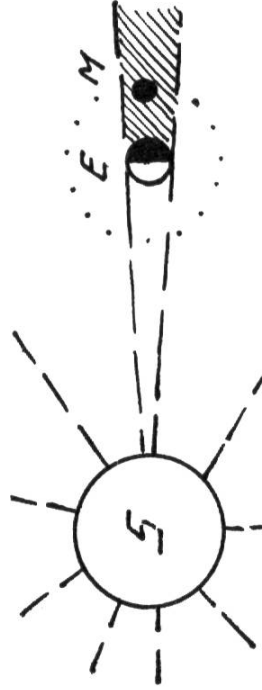
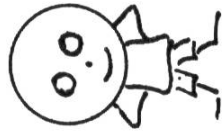
ein Mond ~ ein Monat.

1. Woche
1. Viertel

2. Woche
2. Viertel

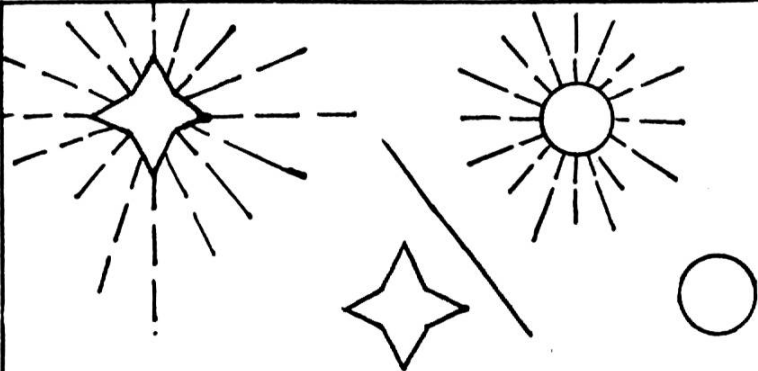
3. Woche
3. Viertel

4. Woche
4. Viertel.



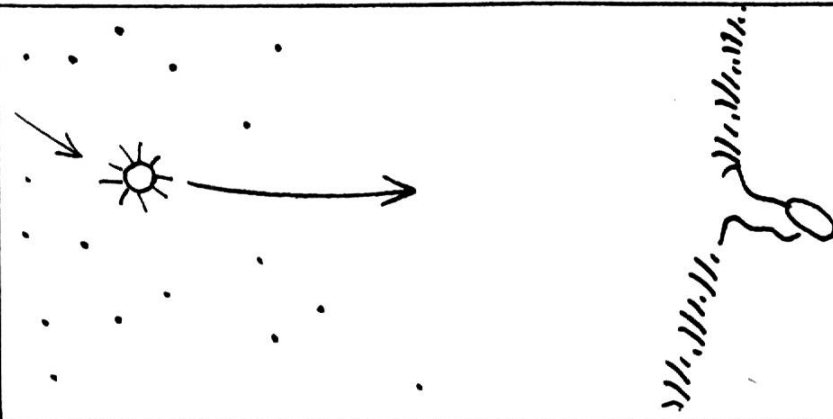
Die Sterne.

Wie Kinder
Sterne zeichnen.



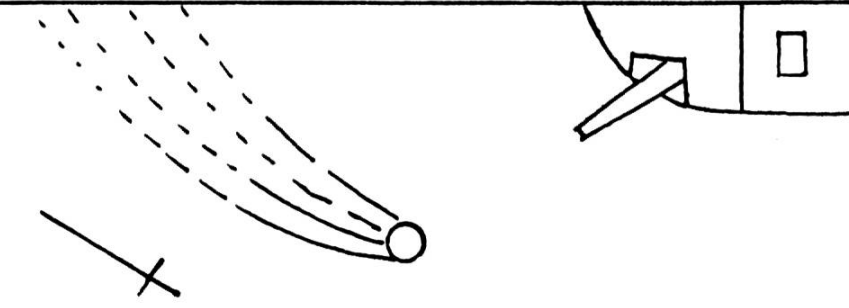
Wie die Sterne
sind.

Stern-
schnuppen.



Wie sie
fallen.

Ein
Komet



Wie er
scheint.

Blatt: 17.

Stich den gr. Wagen
die Milchstraße 21.50.

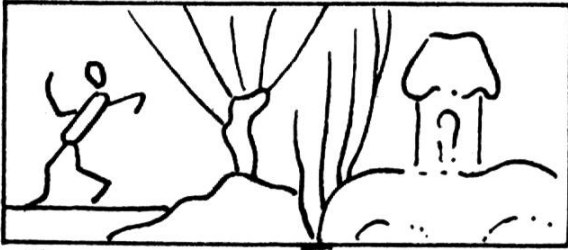


Gegen das Fenster
halten.

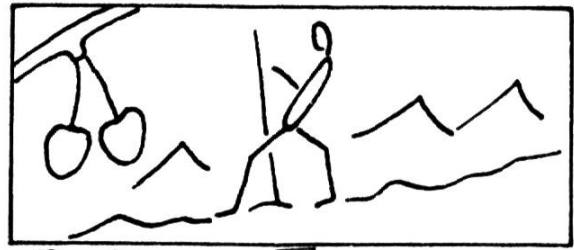
Die Monate.

Blatt: 18.

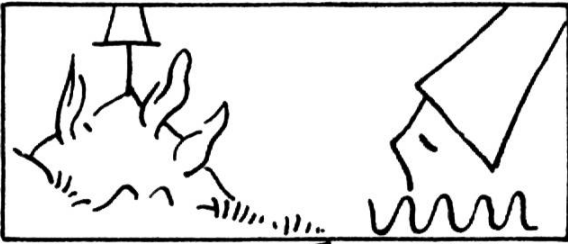
Was die Monate bringen.



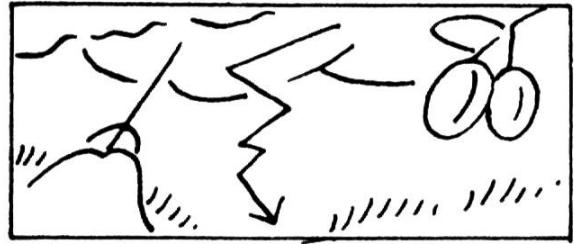
Januar I. Jan.



Juli VII.



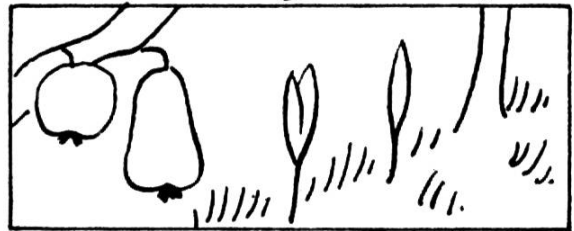
Februar II. Feb.



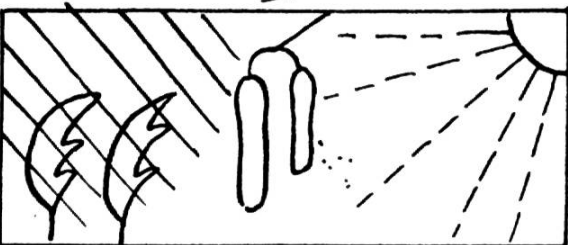
August VIII. Aug.



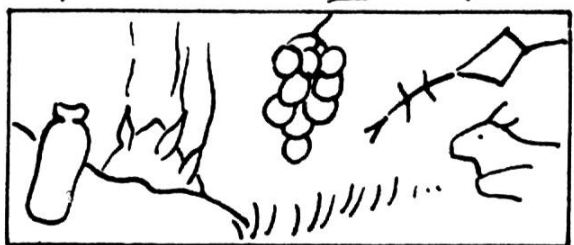
März III.



September IX. Sept.



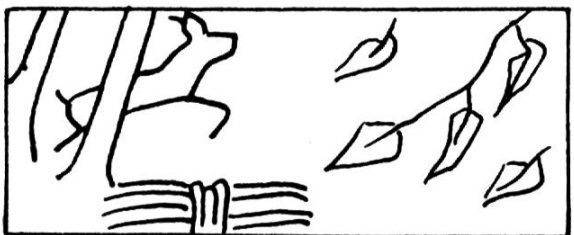
April IV.



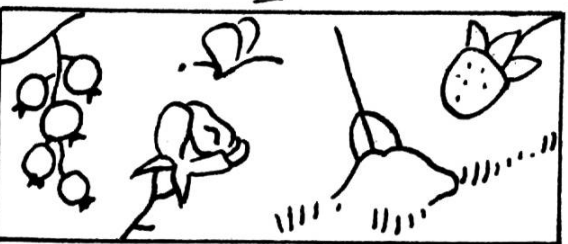
Oktober X. Okt.



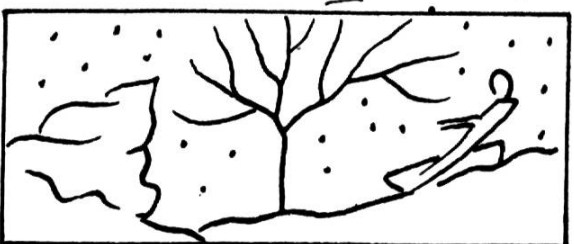
Mai V.



November XI. Nov.



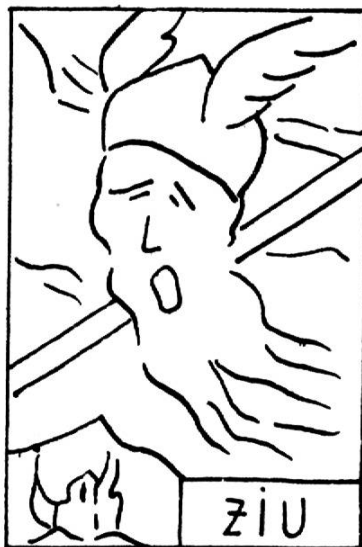
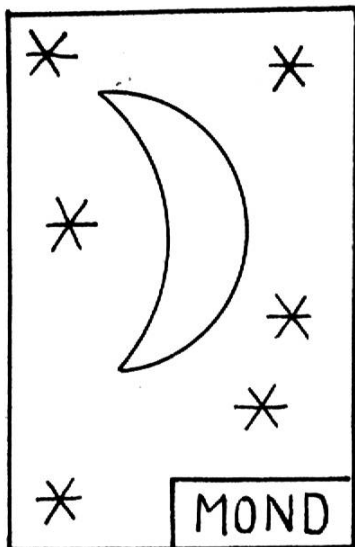
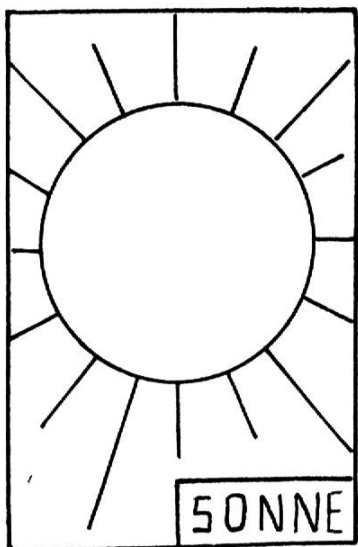
Juni VI.



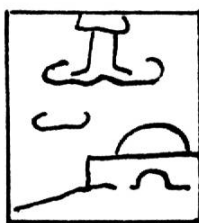
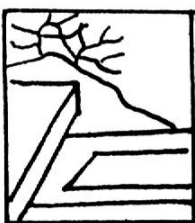
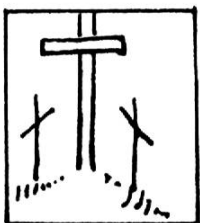
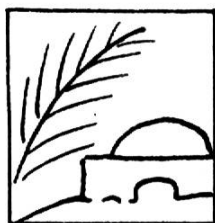
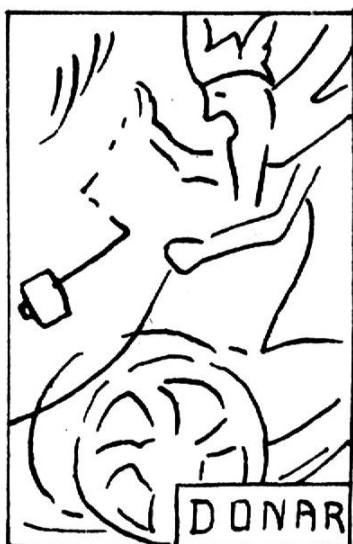
Dezember XII. Dez.

Wochen und Tage.

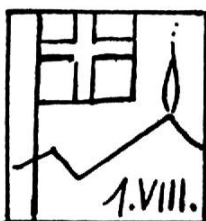
Blatt: 19.



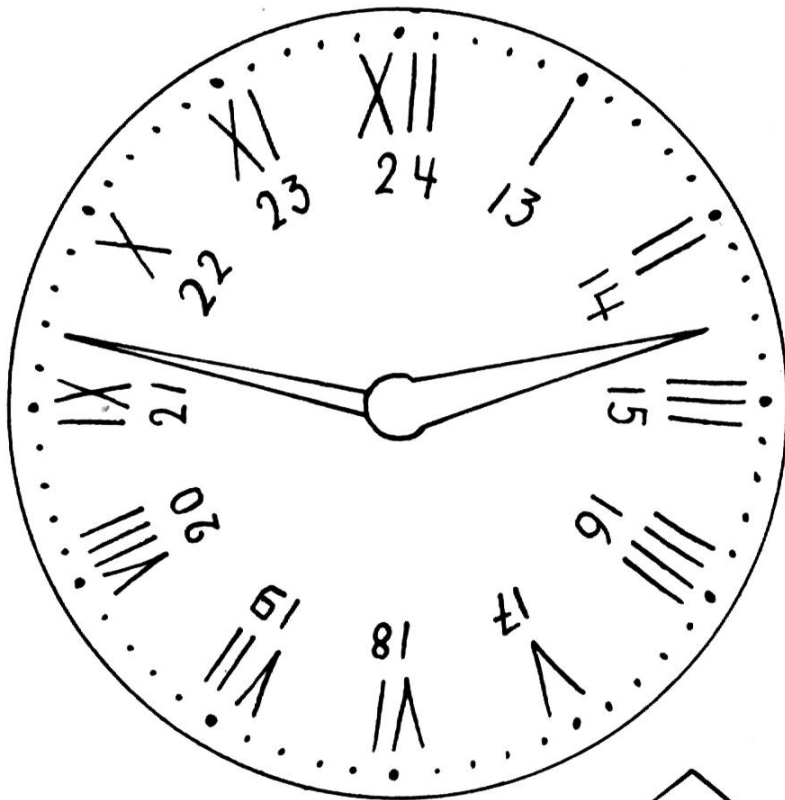
Mittwoch.



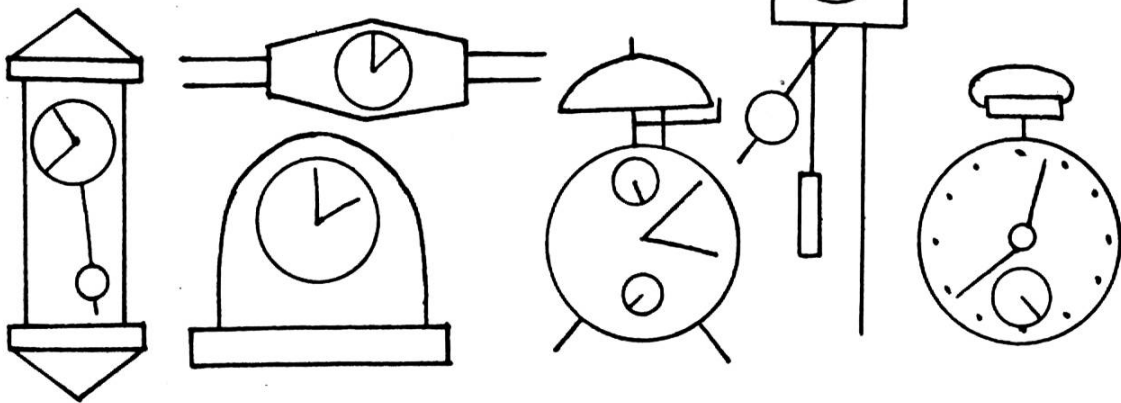
↑
*Kirchl.
Feiert.*



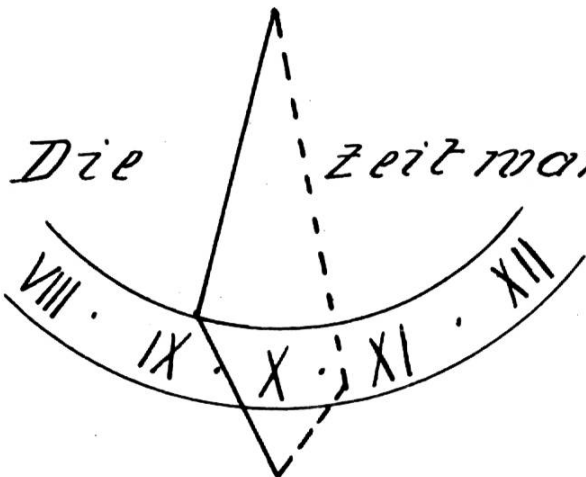
*Weltl.
Feiert.*
←



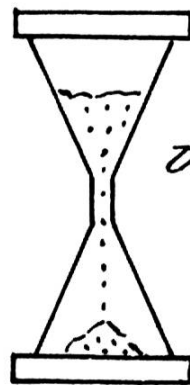
Allelei Uhren:



Die Zeit wandert

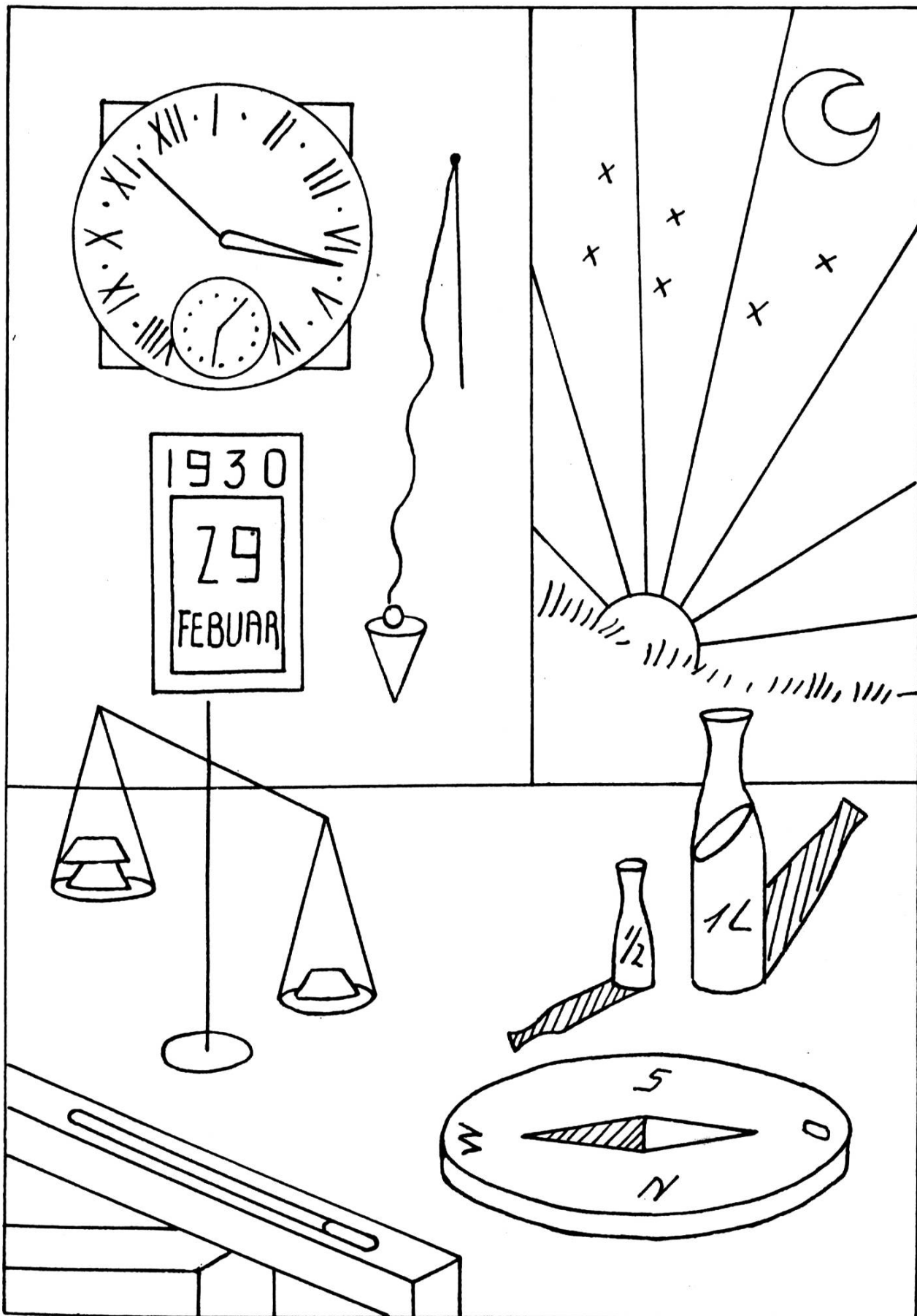


verrinnt



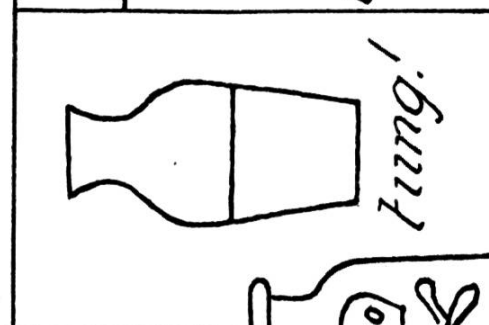
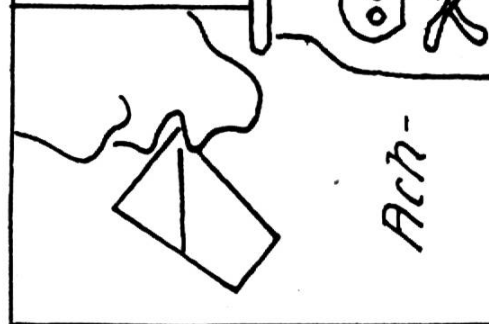
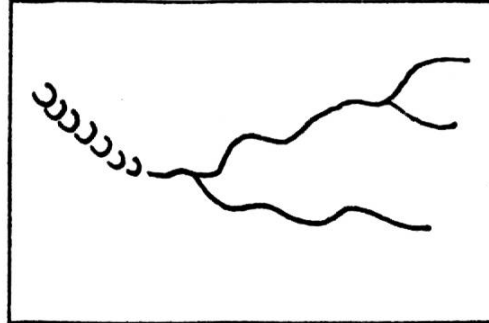
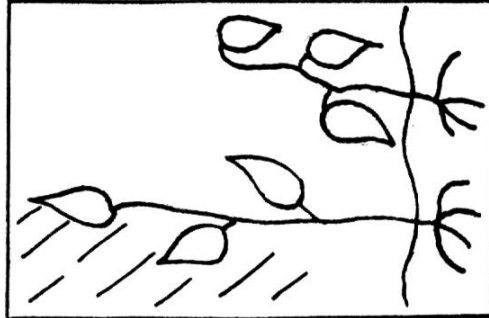
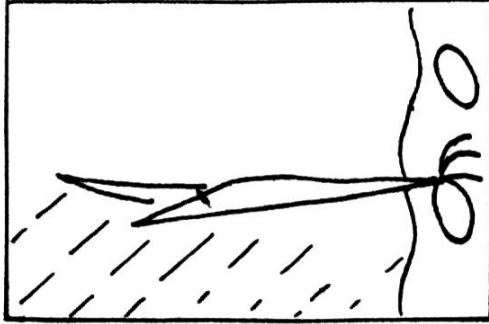
Was sagst du dazu?

Blatt: 21.

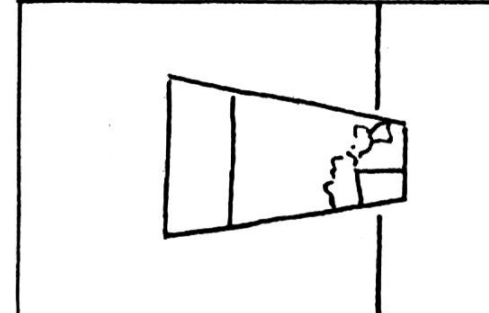
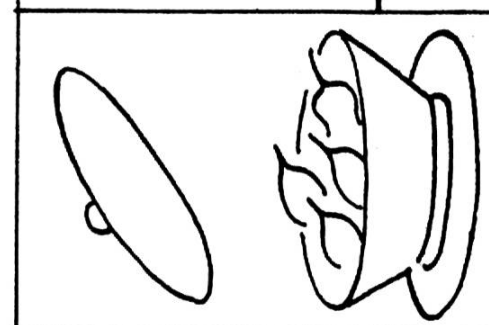
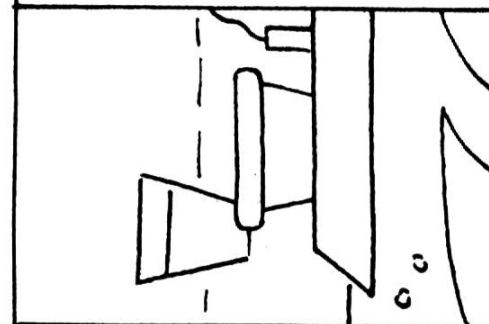
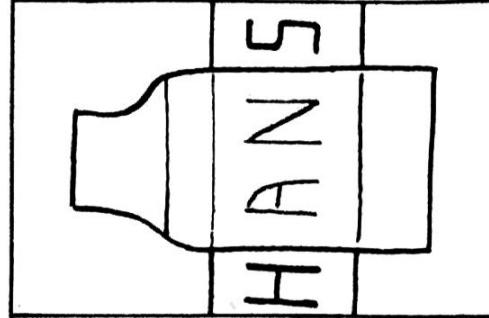
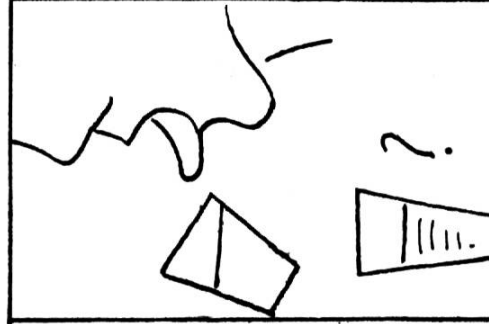


Allgemeines vom Wasser.

Blatt: 22.



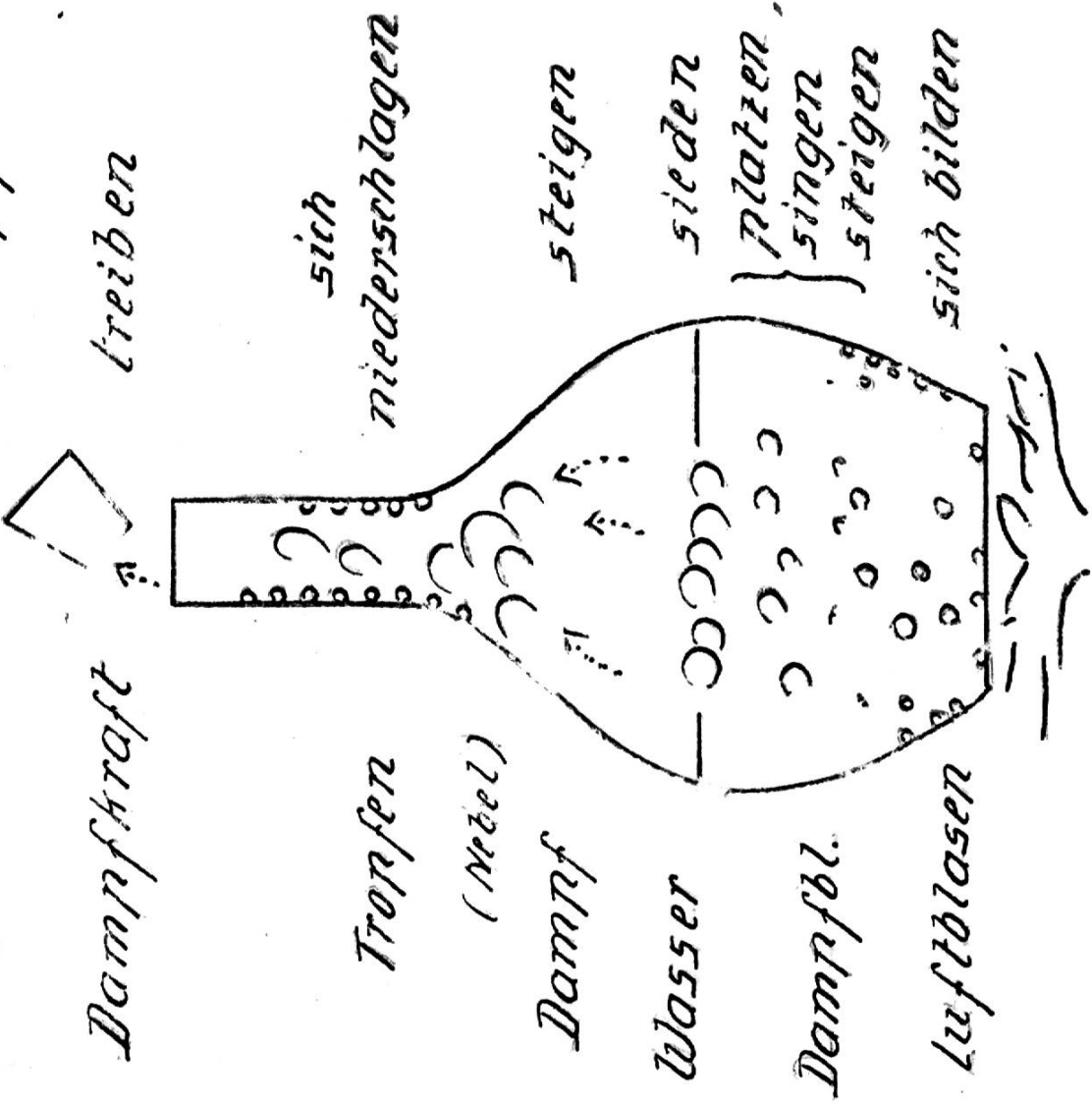
Weicht, erhält das Leben flüssig trinkbar farblos geruchlos



geschmacklos durchsichtig tropfen netzen aufweichen auflösen

Dom Sieden und Verdampfen.

Blatt: 23.



Dampfkräft

Tropfen
(Nebel)

Dampf

Wasser

Dampfbl.

Luftblasen

Flamme.

treiben

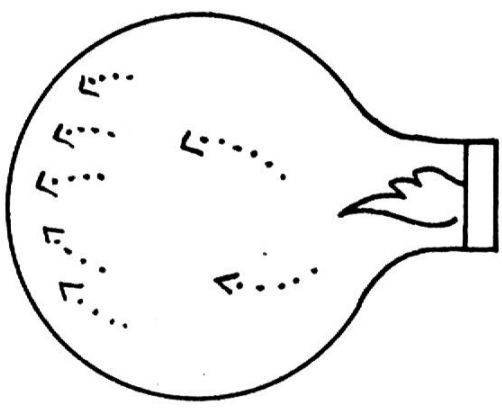
sich
niederschlagen

steigen

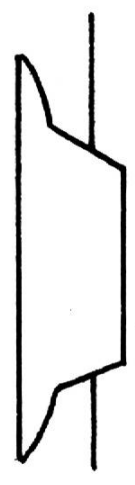
sieden

platzen,
singen,
steigen

sich bilden

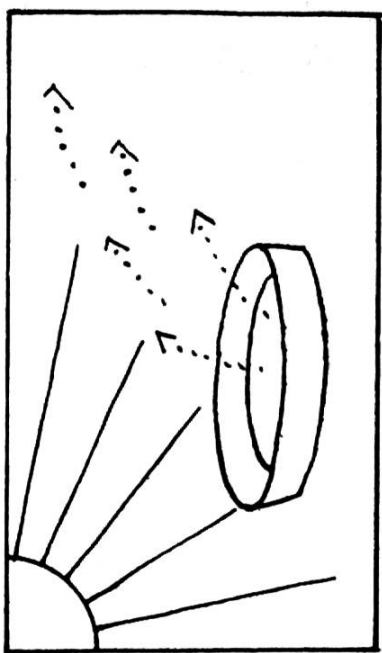


Heißluftballon.

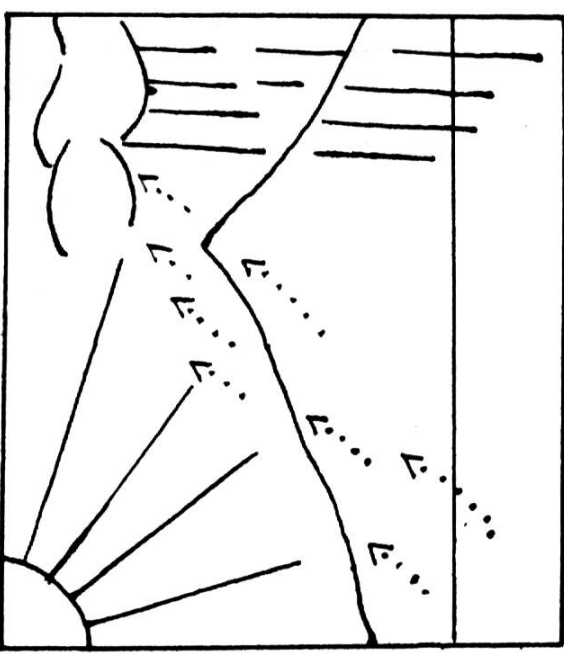


Seifenblasen

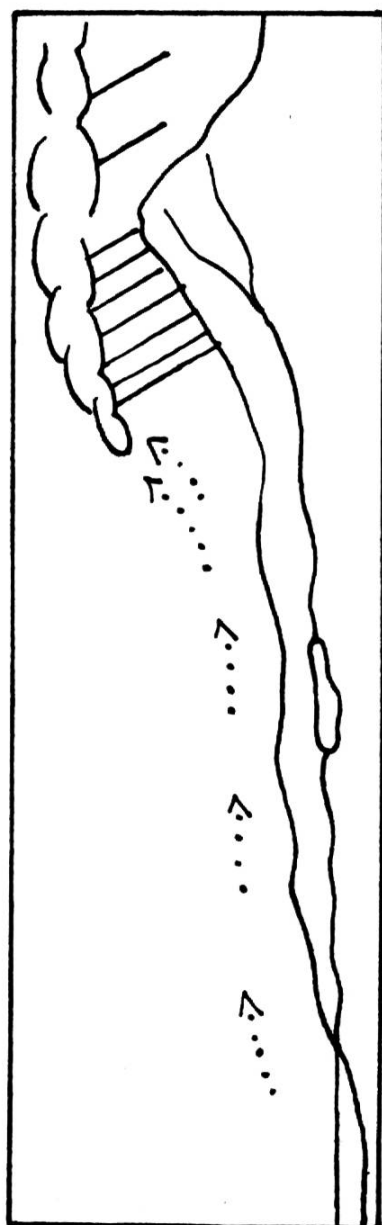
Don Dunst und Wolken.



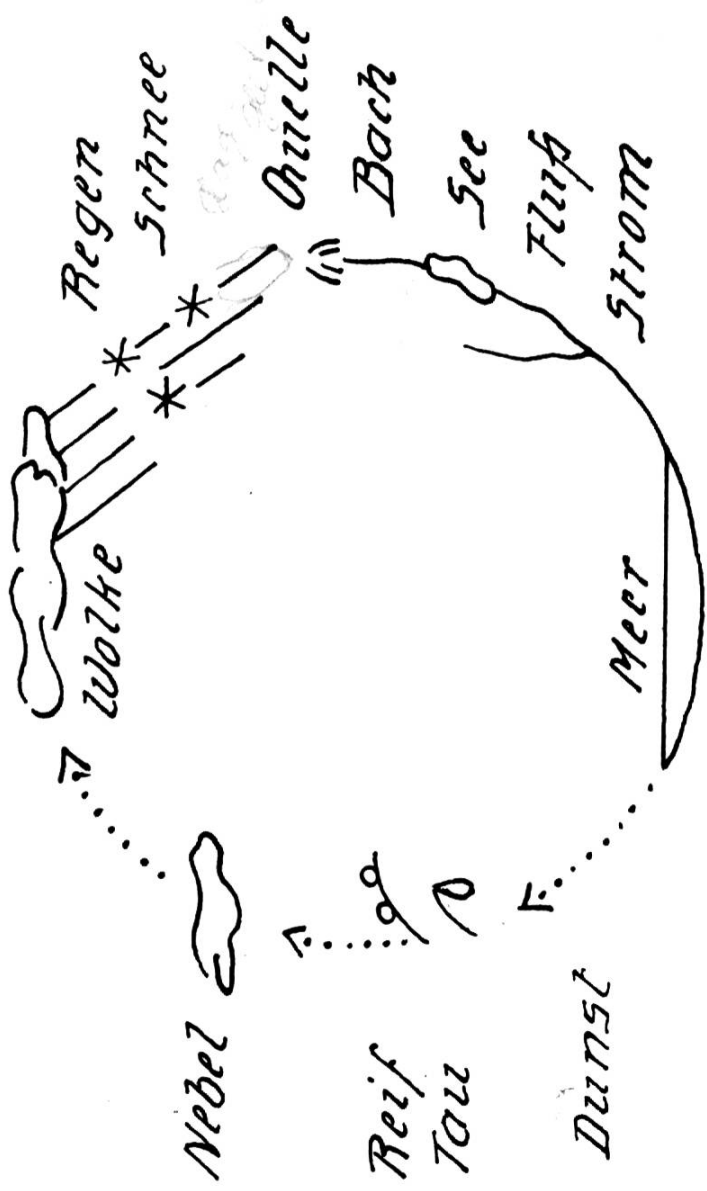
verdunsten - Dunst



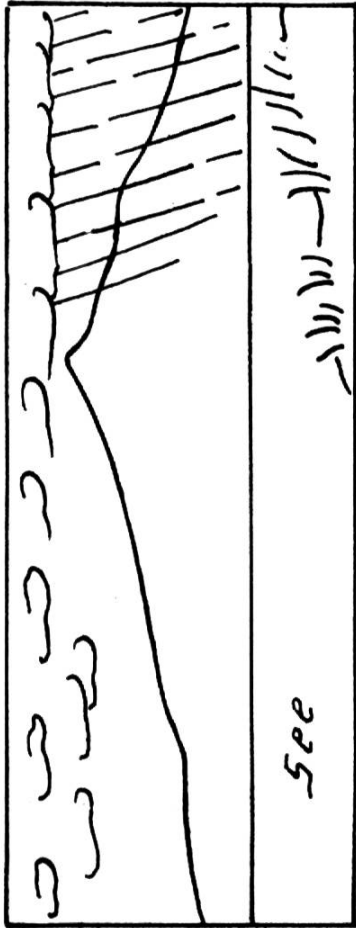
Die Entstehung der Wolke



Die Rundreise des Wassers.



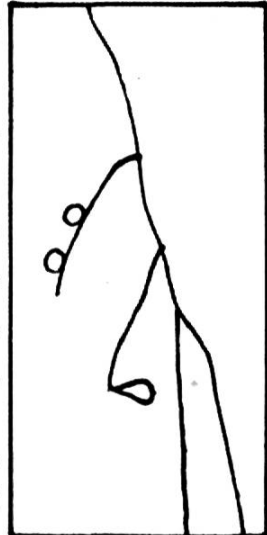
Niederschläge.



Im Frühlung: Befrucht. Regen.

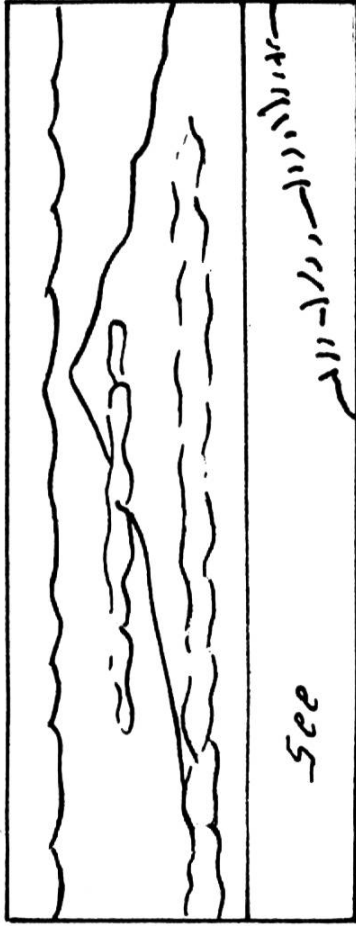


Im Sommer: Gefährliche Gewitter. Im Winter: Schnee u. Niesel.

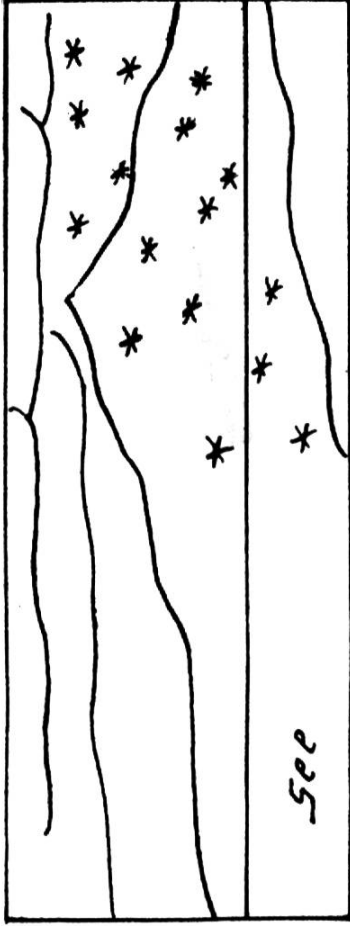


Halte Nächte: Reif, Tau. Rauchreif.

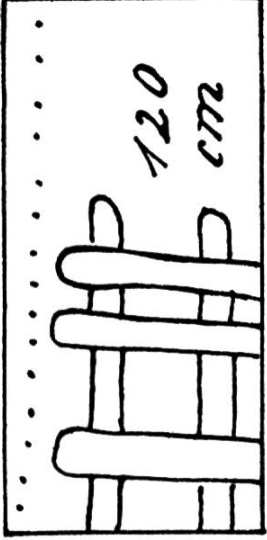
Blatt: 25.



Im Herbst: Ungesunder Nebel.



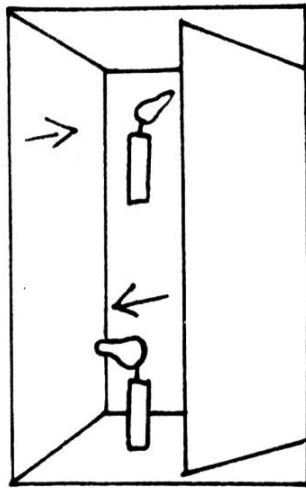
Im Winter: Schnee u. Niesel.



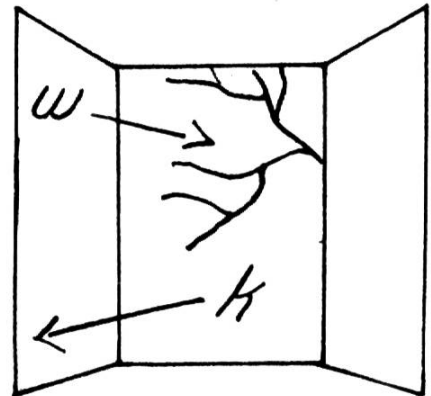
Niederschläge des Jahres.

120 cm

Die Winde.



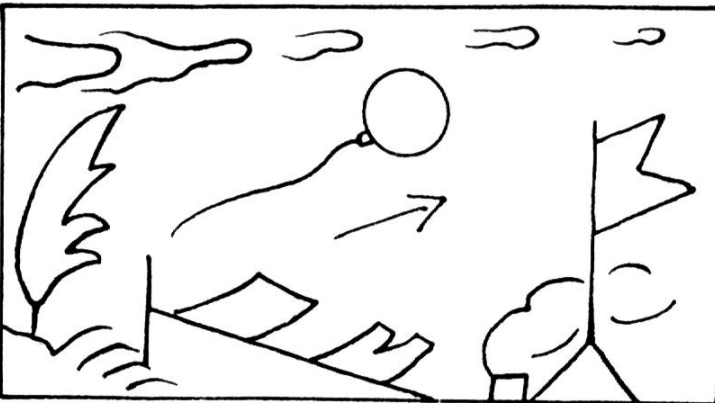
Blatt: 26.



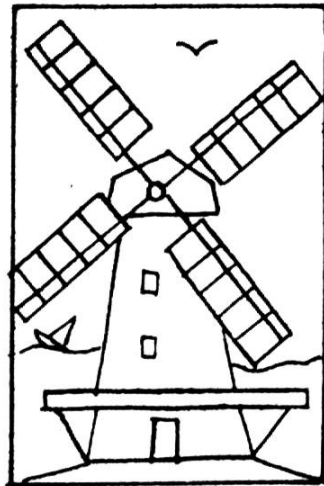
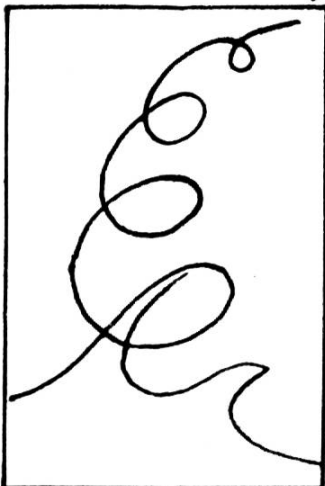
Druck- und Wärmeveränderungen



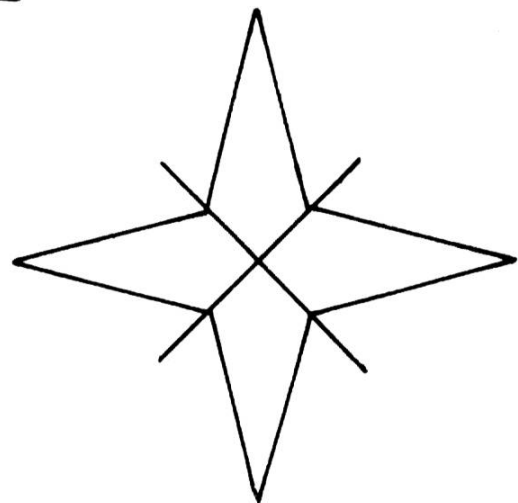
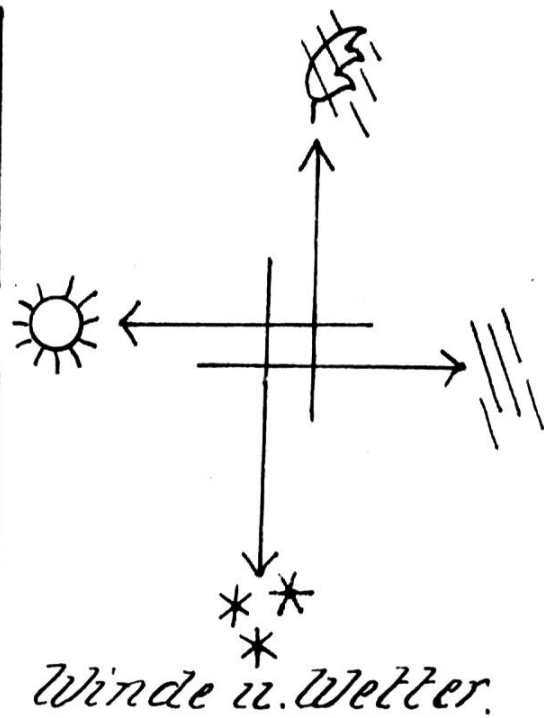
Windstärken



Erkennungszeichen.



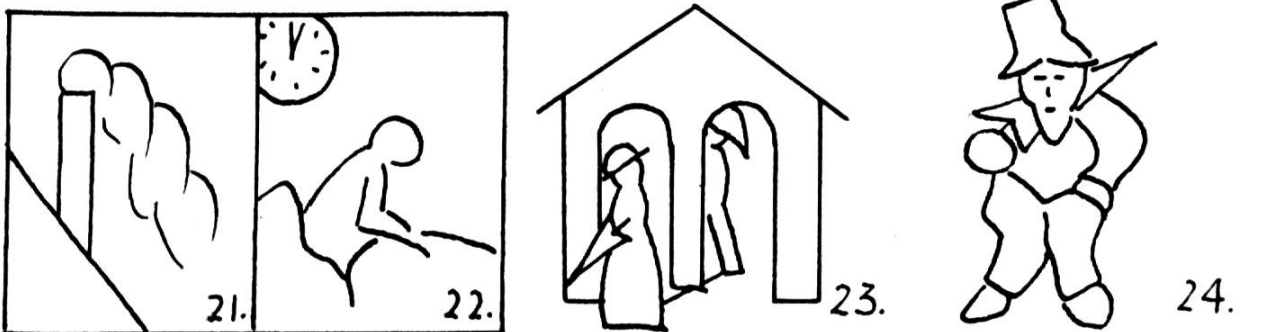
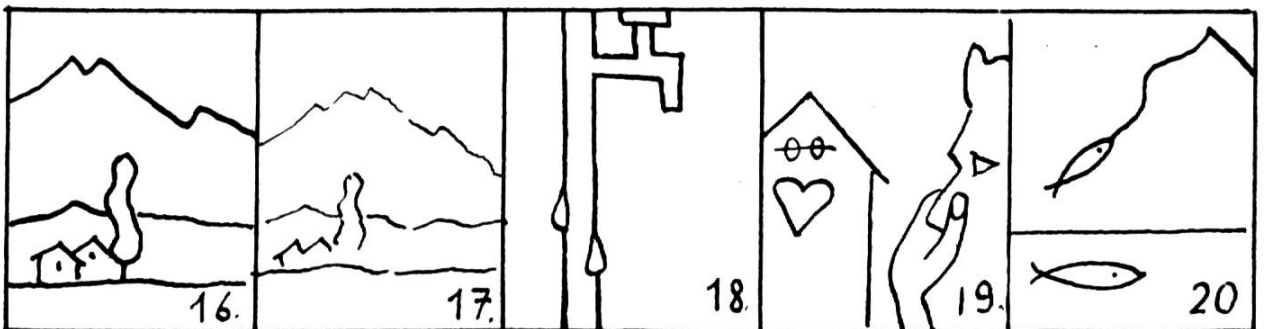
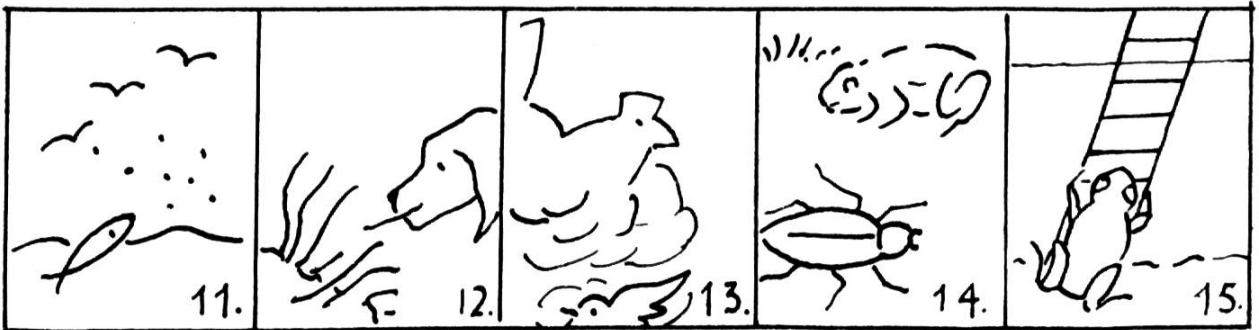
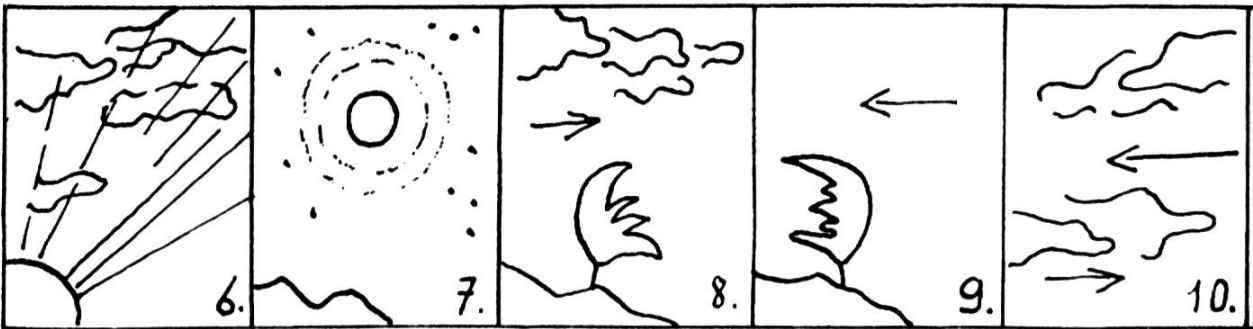
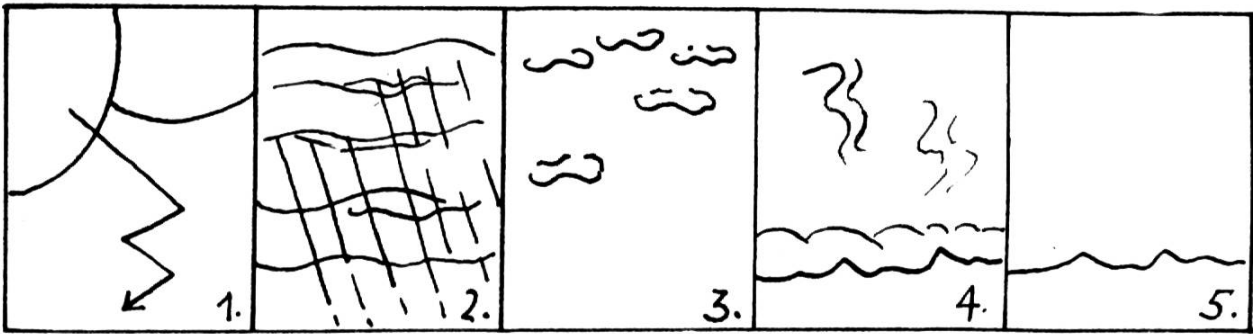
Wirbelwind Arbeit



Windrose.

Wetterzeichen.

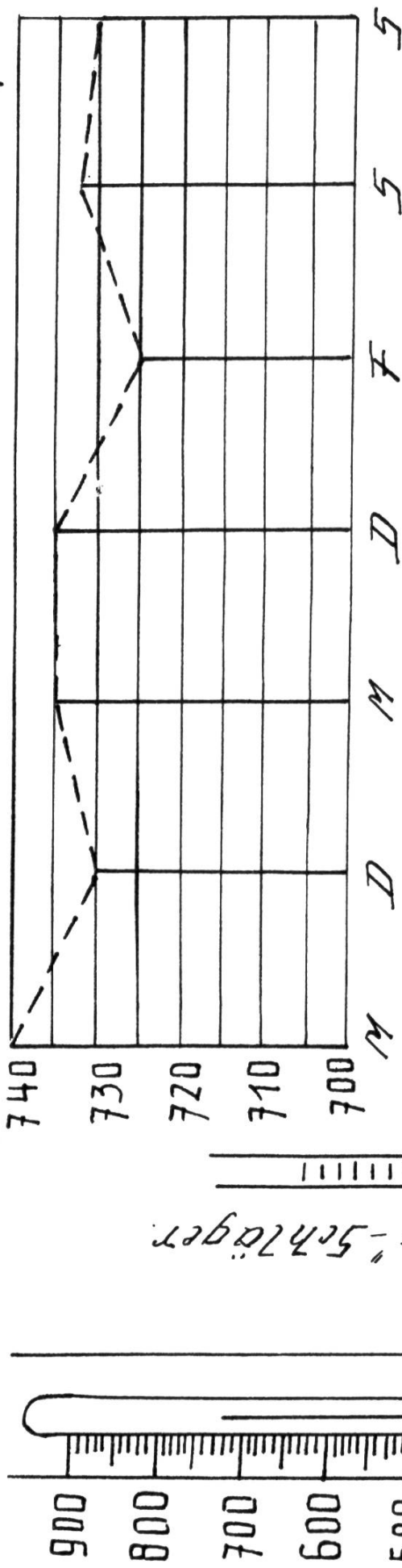
Blatt: 27.



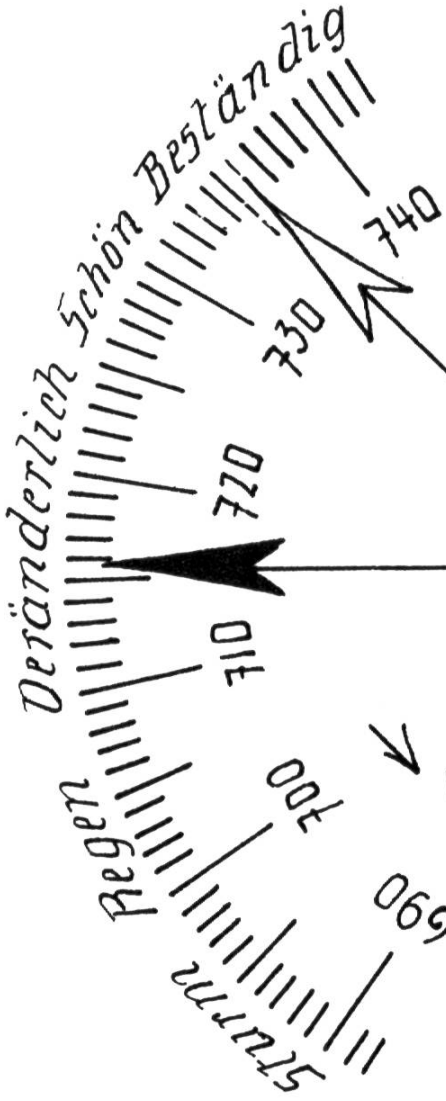
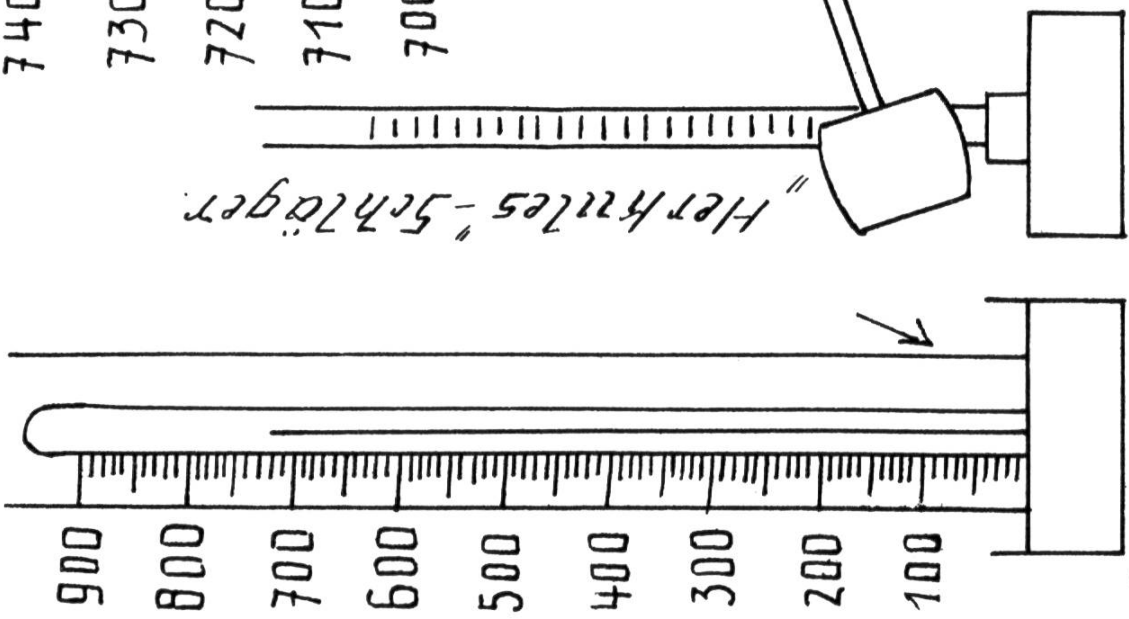
Schönes oder schlechtes Wetter?

Der Barometer.

Blatt: 28.



"Herkrules"-Schlänger



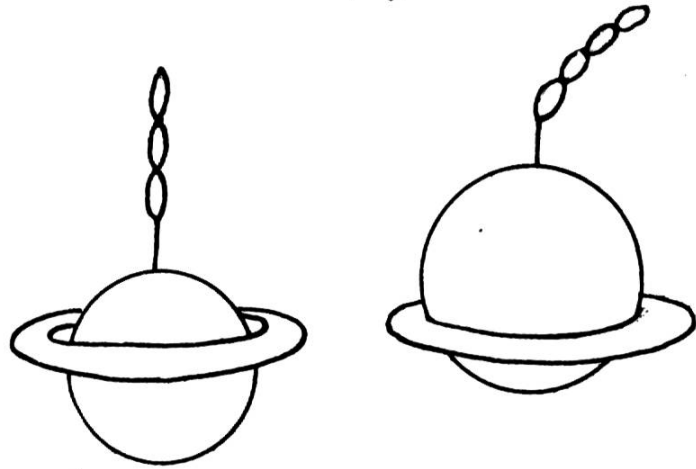
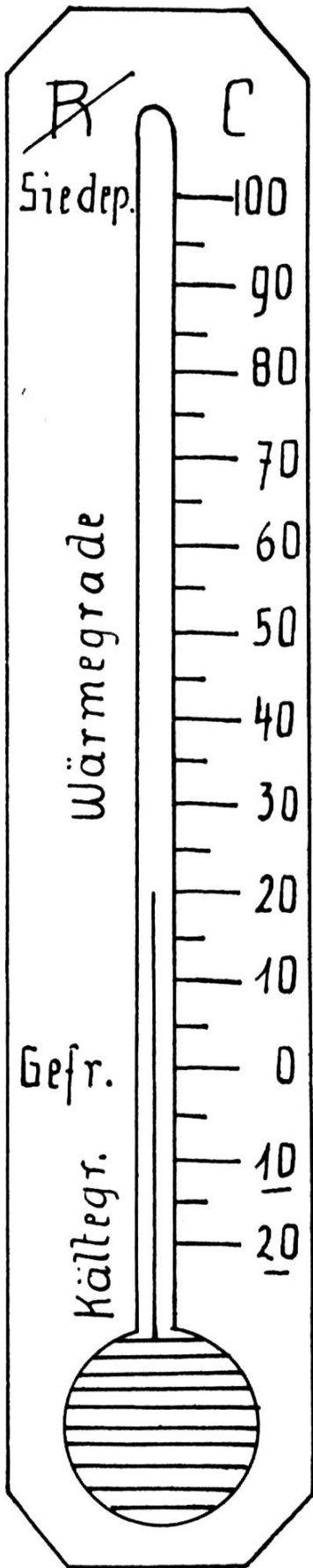
Dosenbarometer

Drucksilberbarometer

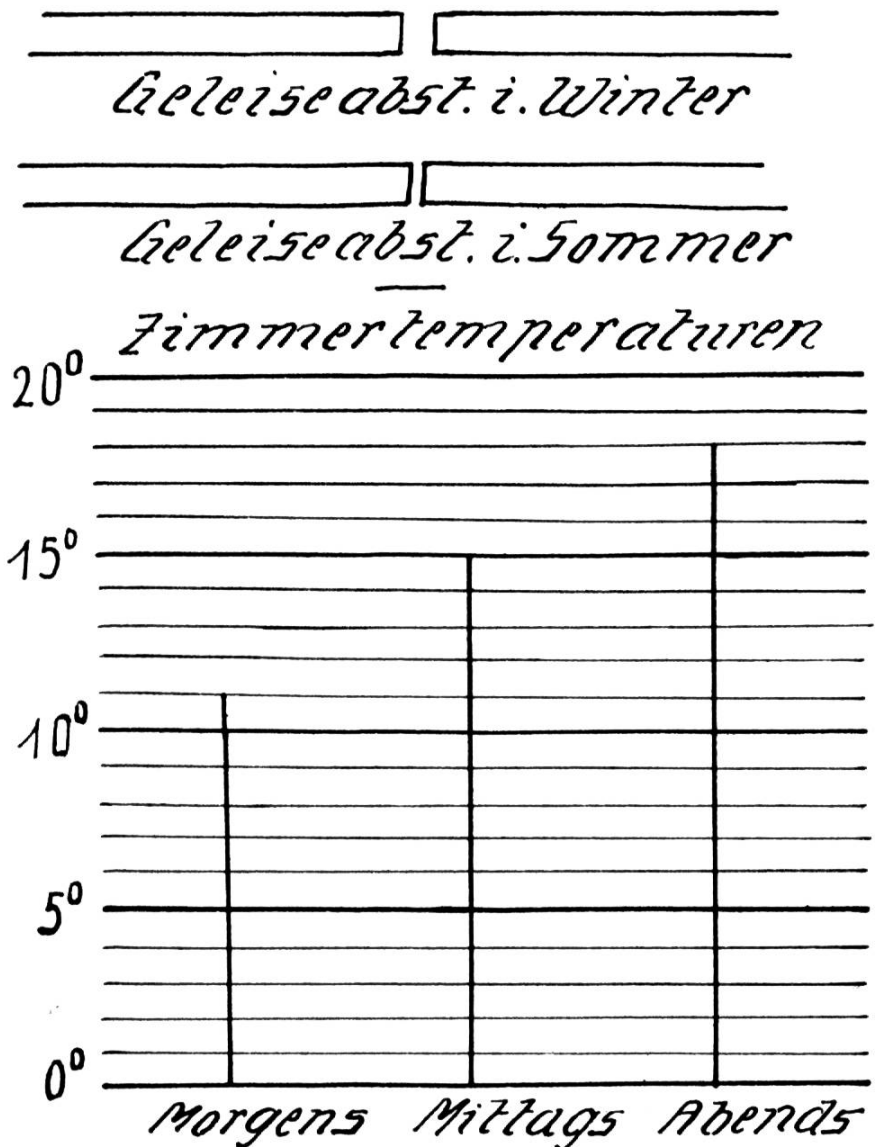
Dem Thermometer.

Blatt: 29.

(Wärmemesser)



vor nach dem Erwärmen.

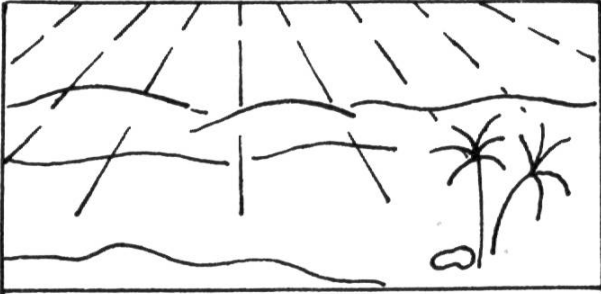


Das Klima.

Blatt: 30.

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

Trocken-heißes Klima



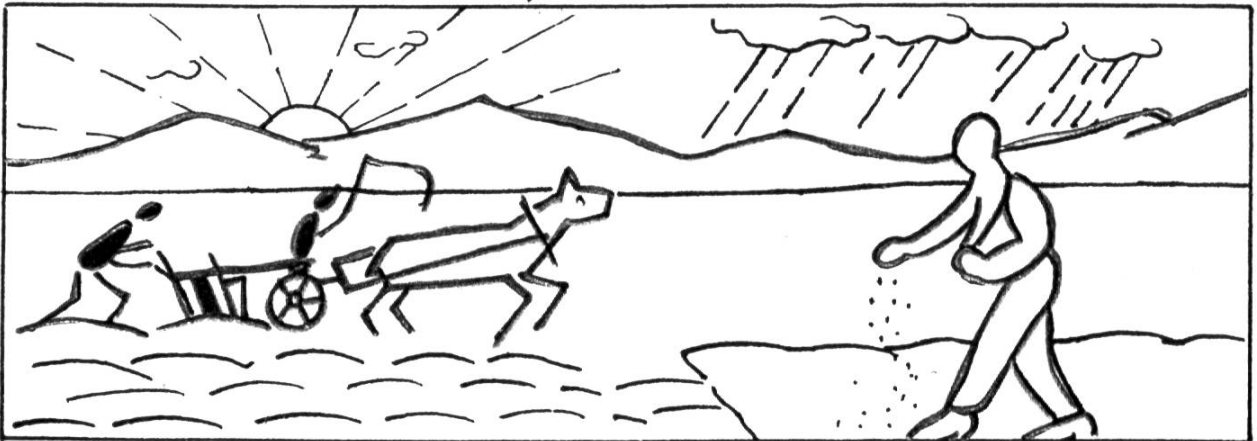
tötet Pflanzen und
Tiere (Wüste)

Feucht-heißes Klima



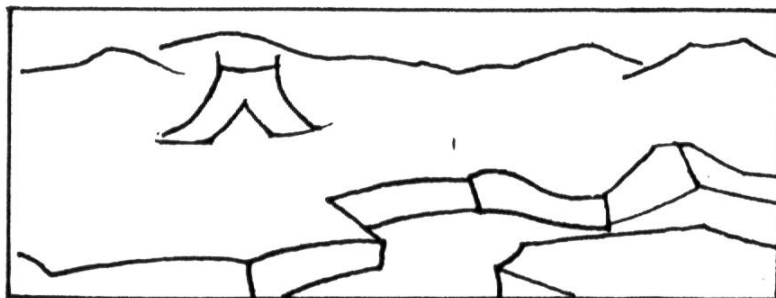
erzeugt märchenhaf-
ten Pflanzenwuchs.

Das gemäßigte Klima



lohnt die Arbeit
(Heimat.)

Das kalte Klima



macht das Leben schwer
(Eisländer)

Die Quelle:

Regen

Dunst

Tropfen

Moss

Wurzeln

Erde

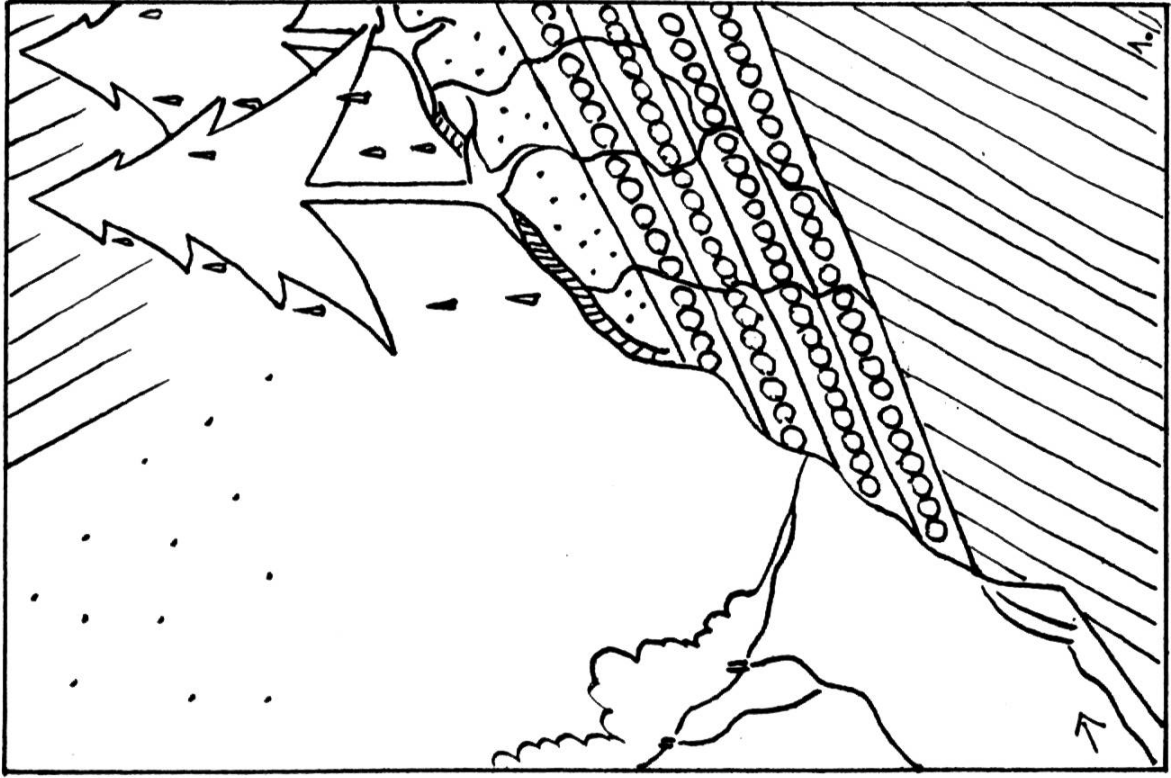
Gries

Unterird.

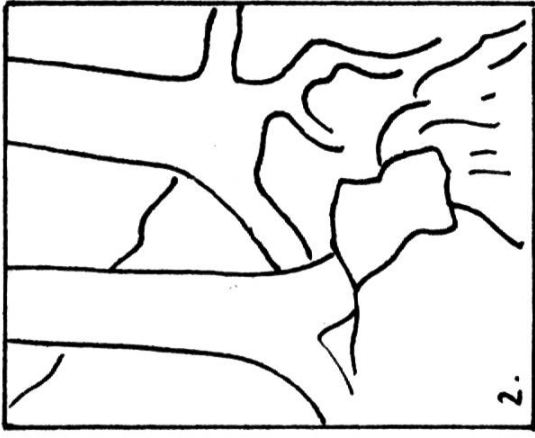
Bach.

Felsen

Quelle



Blatt: 31.



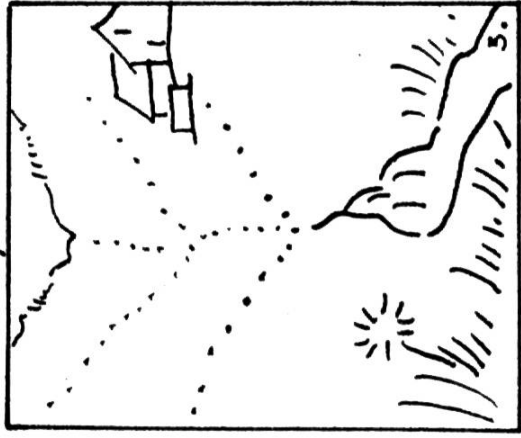
fallen

steigen

tropfen

saugen

Waldquelle



sichern

reinigen

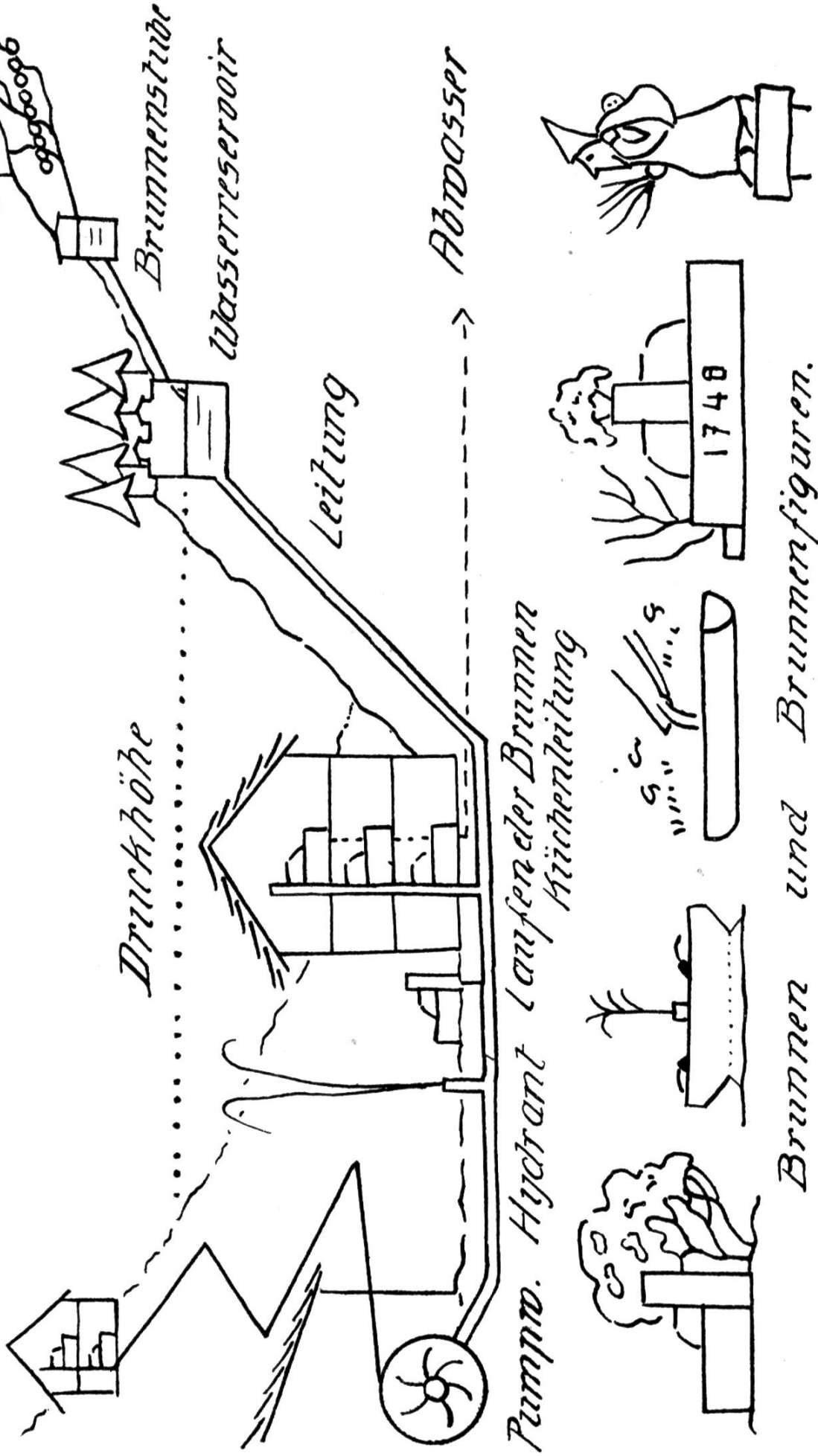
fließen

aufhalten

herausquellen Wiesenquelle

Quelle Wasser Versorgung.

Blatt: 32.

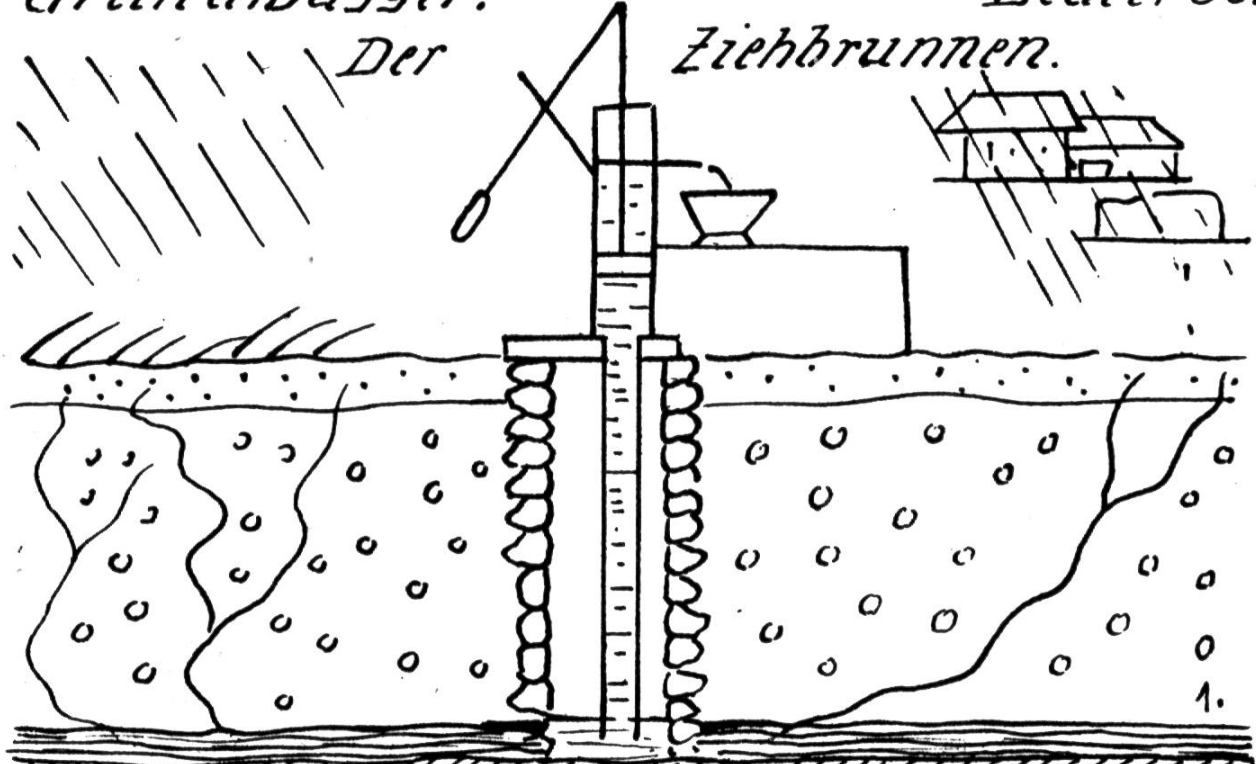


Brunnen und Brunnenfiguren.

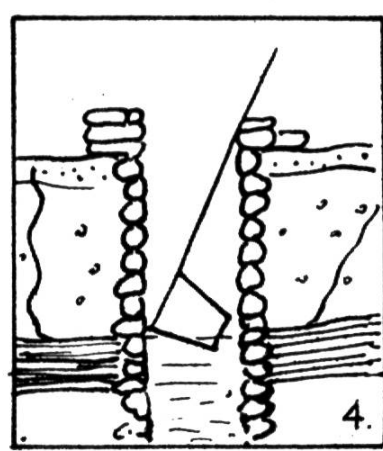
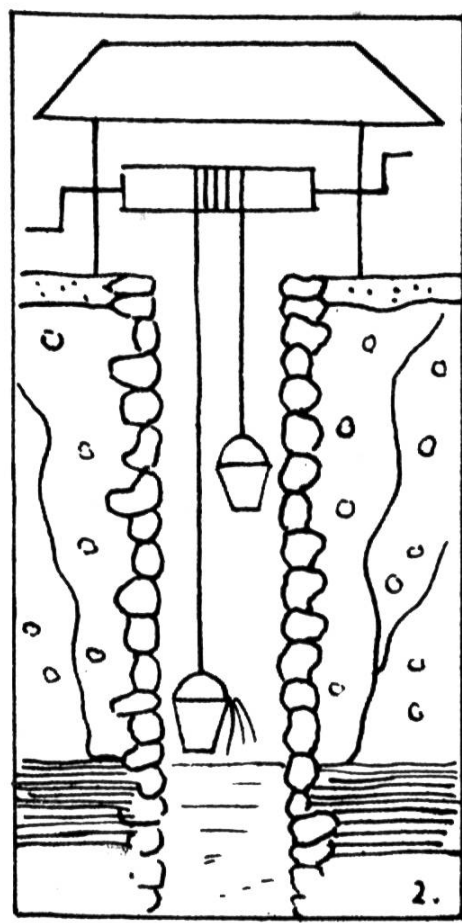
Grundwasser.

Blatt: 33.

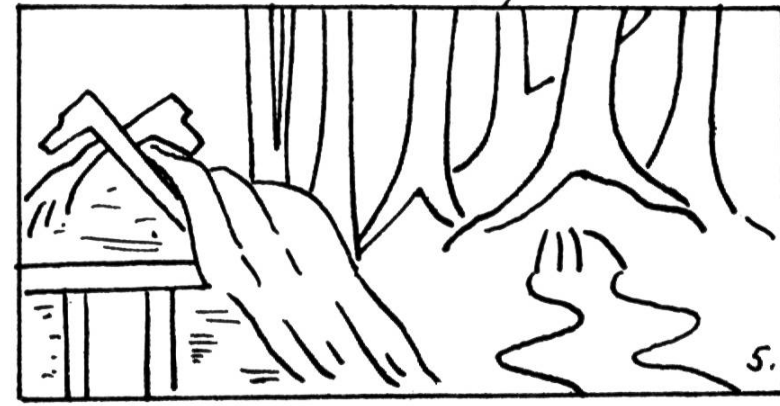
Der Ziehbrunnen.



Rein? - Kein Trinkwasser. - Verunreinigt.



Schöpfbrunnen

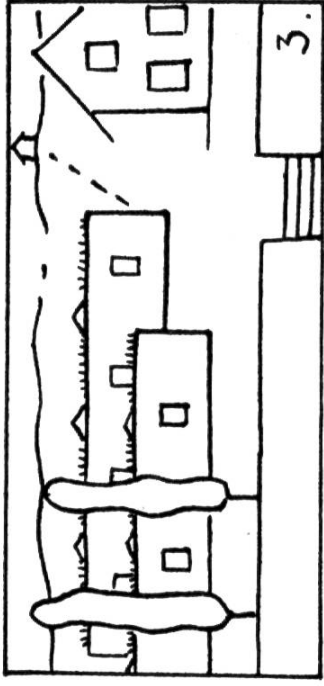
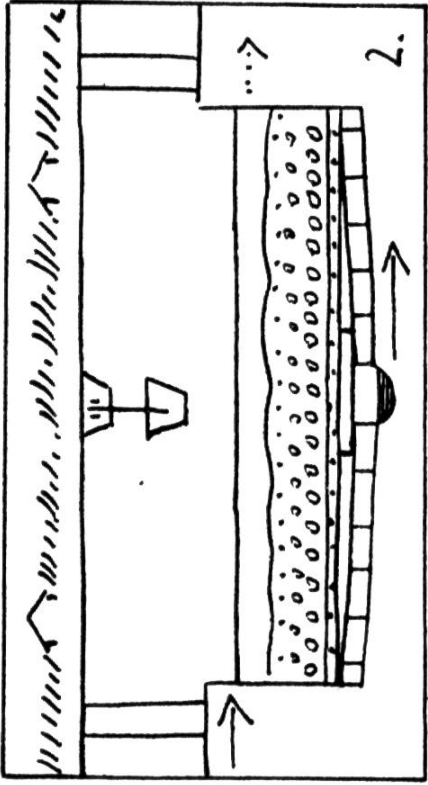
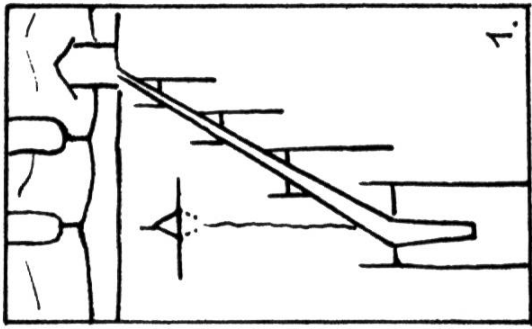


Sodbrunnen

Alamanne und Quelle.

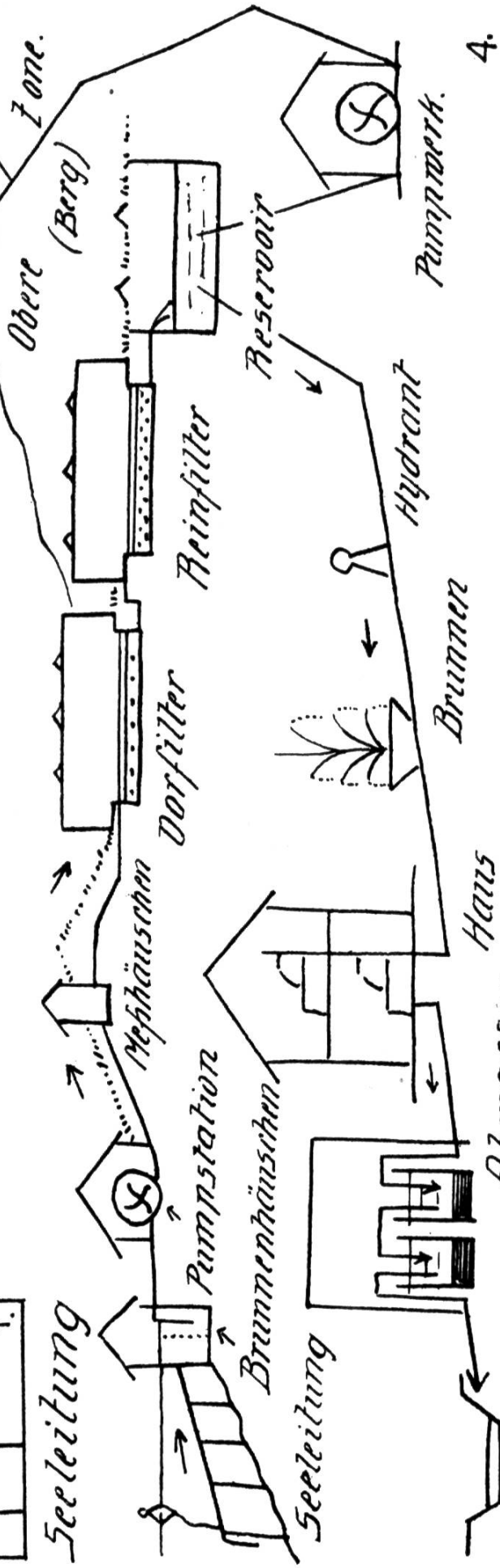
Die Seewasserversorgung.

Blatt: 34.

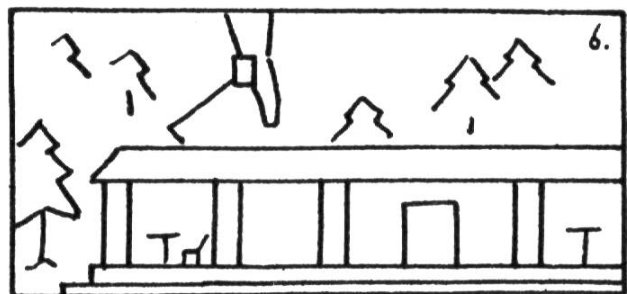
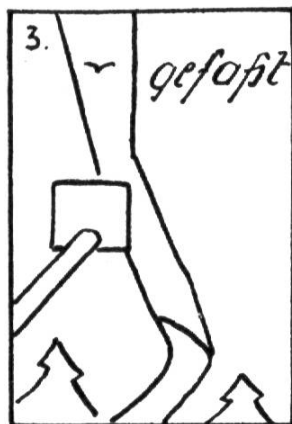
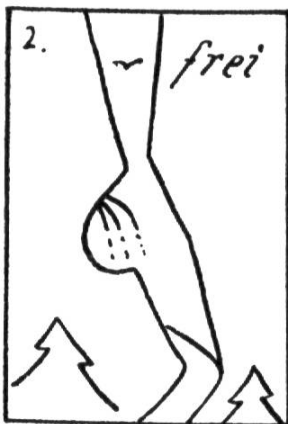
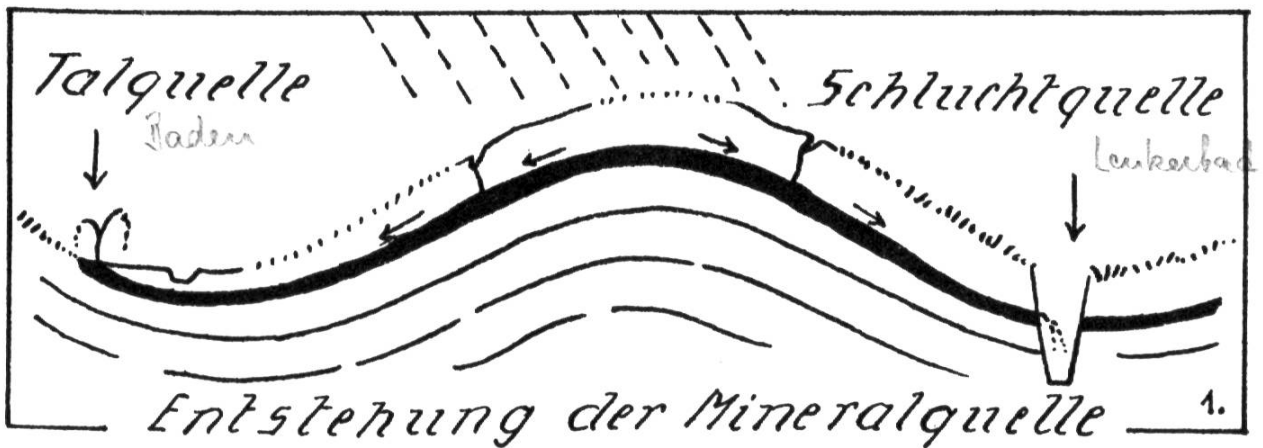


Filteranlage.

Filterbecken (Schmitz)

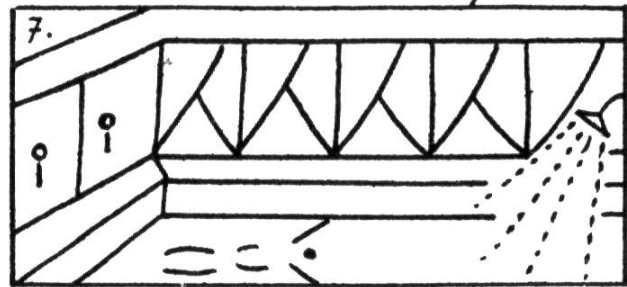
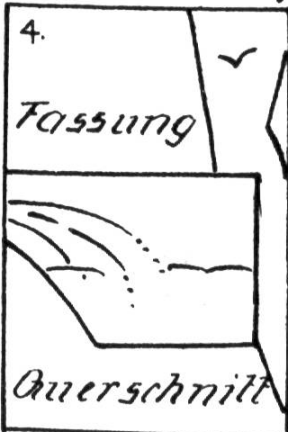


Untere Zone (Tal, Stadt)

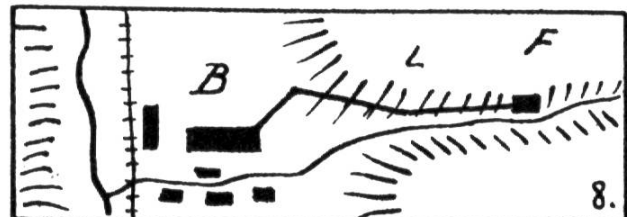


Badehalle m. Quellfassung.

Schluchtquelle.



Inneres der Badehalle.

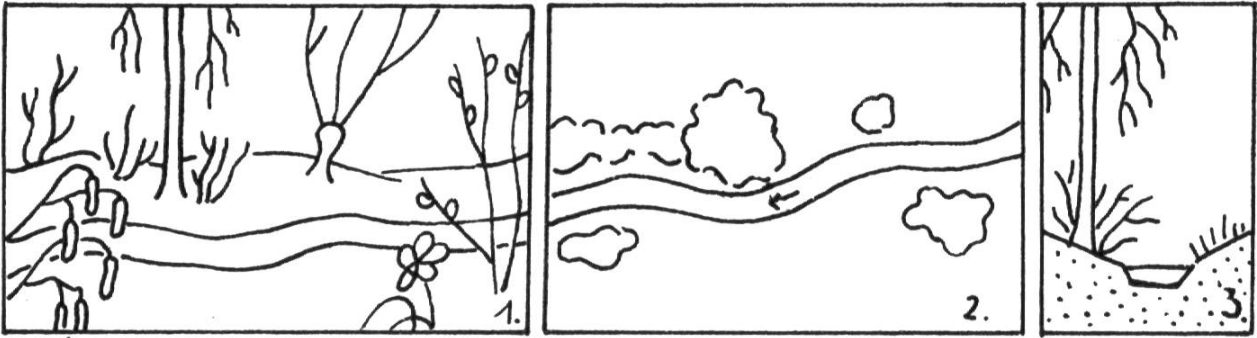


naturrein, mit Früchten. Badeort, Leitung, Fassg.

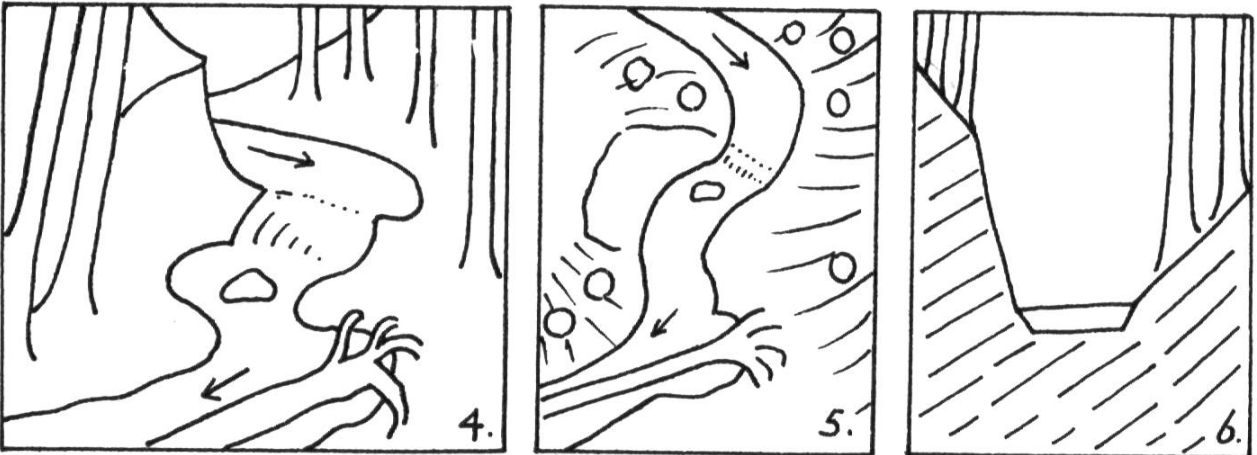


Altes öffentliches Bad.

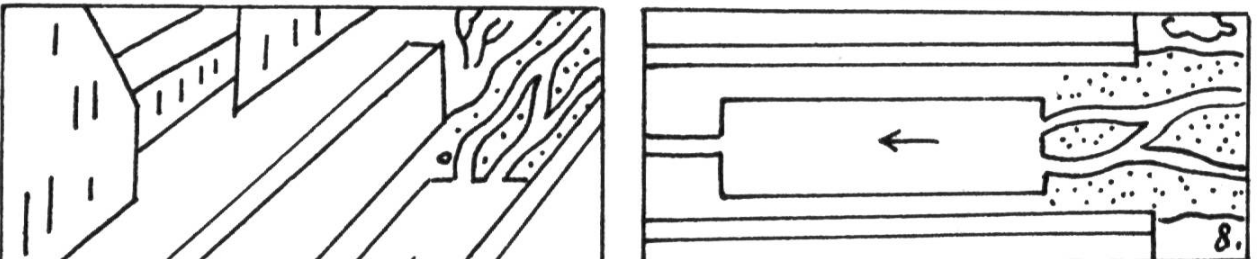
Von der Schönheit der Bäche. Blatt: 36.



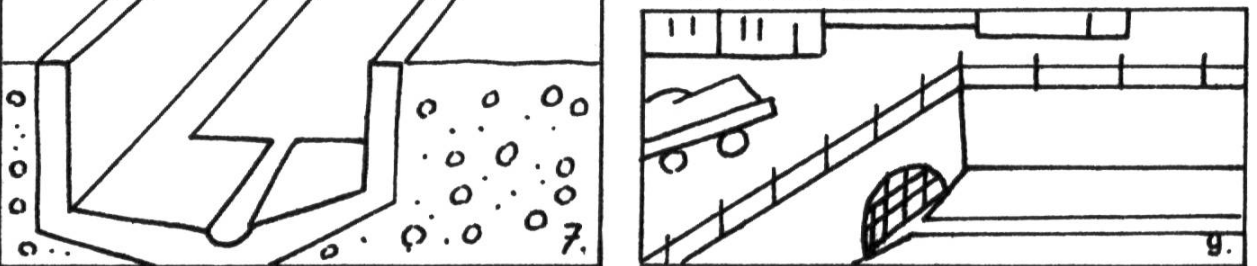
Wiesenbächlein: Bild Plan Querschnitt.



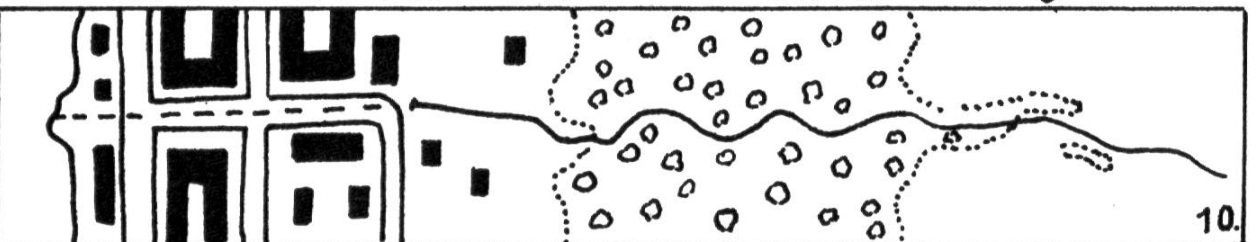
Waldbach: Bild Plan Querschnitt.



Stadtbach: Plan.



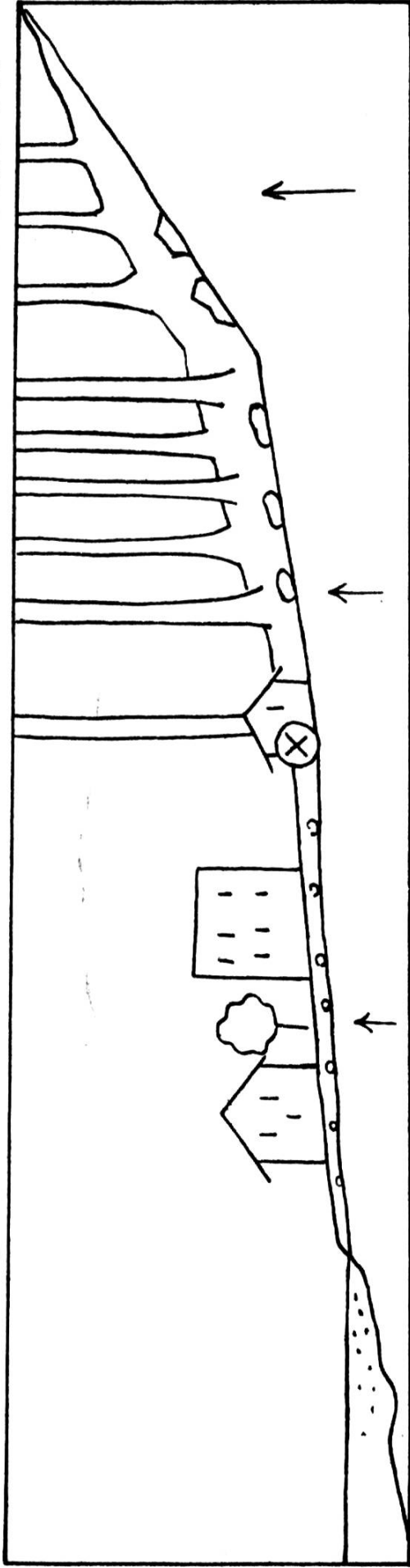
Stadtbach: Querschnitt Eindeckung



Vom Wiesenbächlein zum Wald- und Stadtbach.

Don der Kraft unseres Baches.

Blatt: 37.



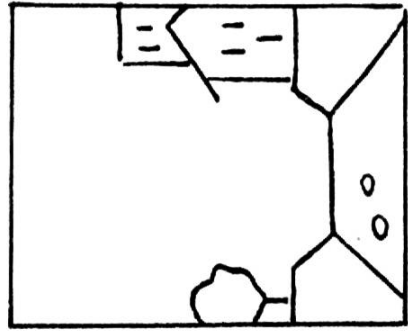
See Mündung
kein Gefälle
Schlamm Sand

Unterlauf
kleines
Bachbett
Kies

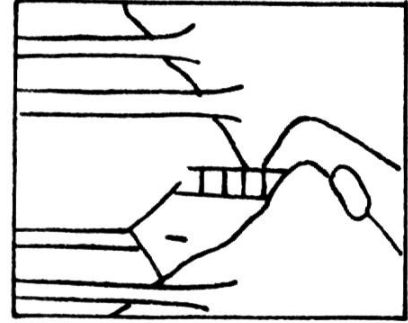
Mittellauf
mittleres
Tal
Gerölle

Oberlauf
grosses Gefälle
Tobel
Gerschiebe

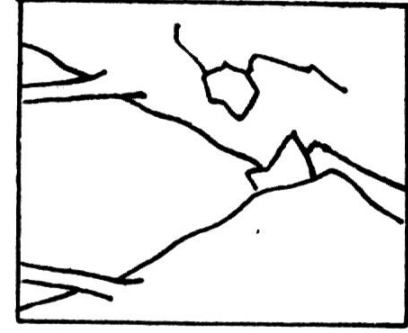
Querschnitte
zu
den obigen
Talstufen.



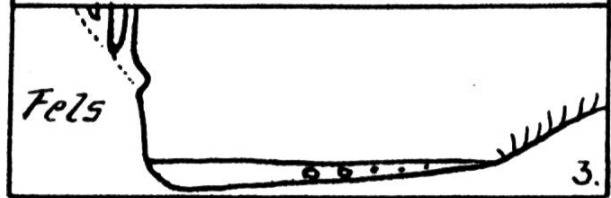
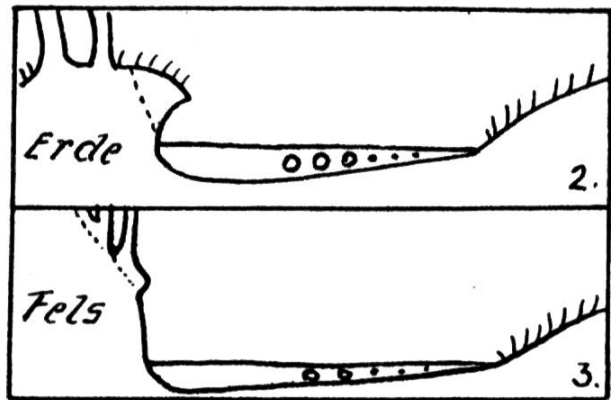
Dorf, Stadt



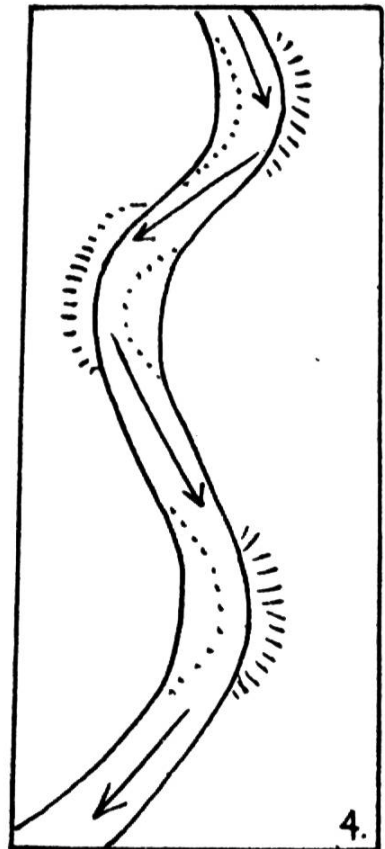
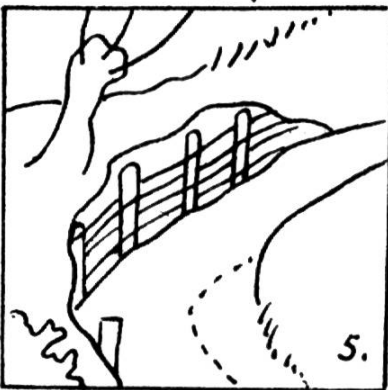
Mühlen, Sägereien



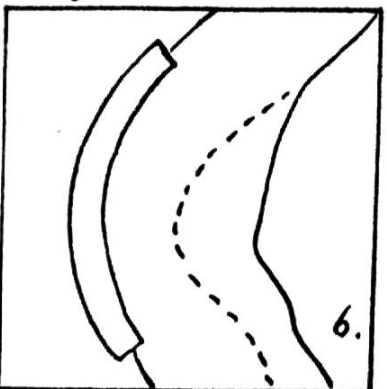
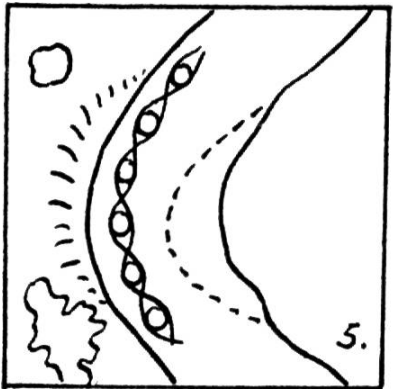
unbewohnt



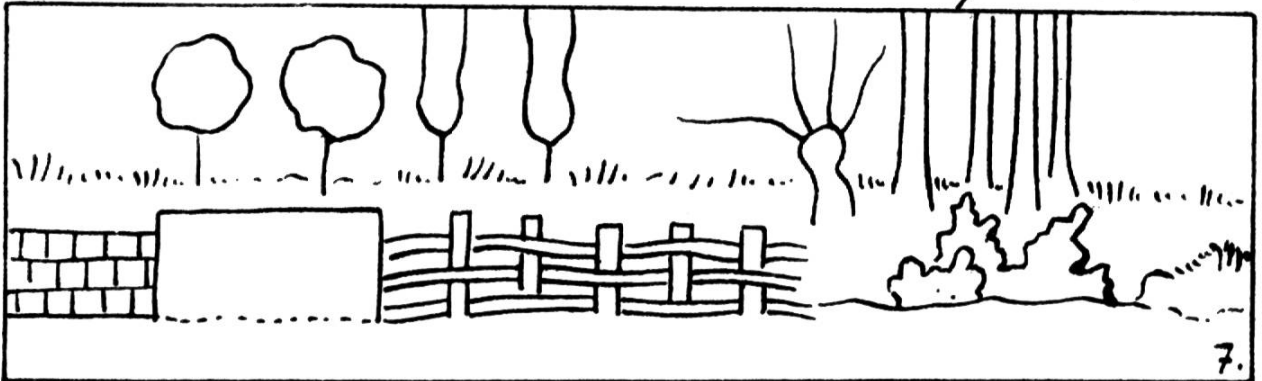
Das angefressene Ufer. Steil- und Flachufer.



Geschützt: Rutenhäge, Mauern.



Pläne zu obigen Ansichten. Serpentin.

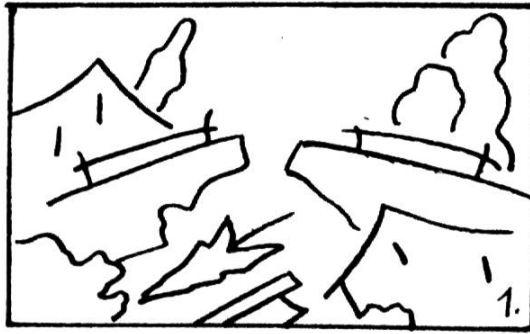


Geschütztes Ufer.

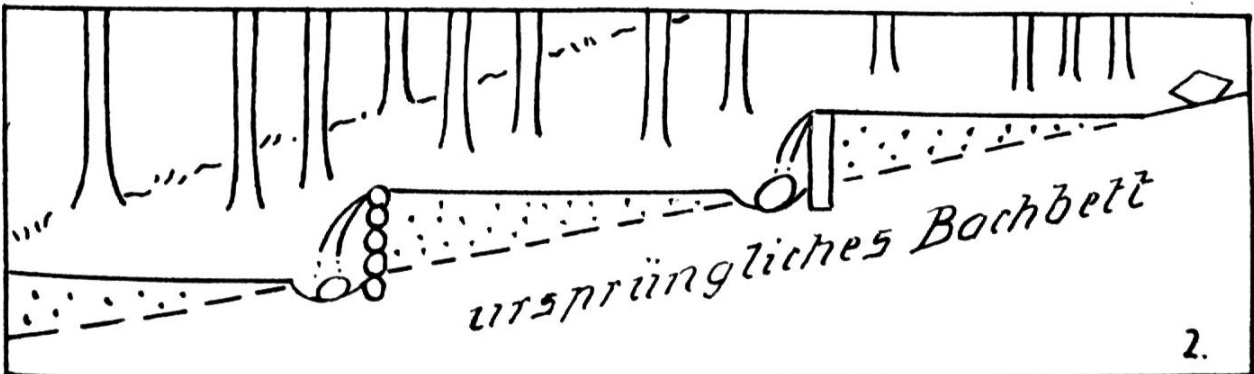
Die Bachverbauungen.

Blatt: 39.

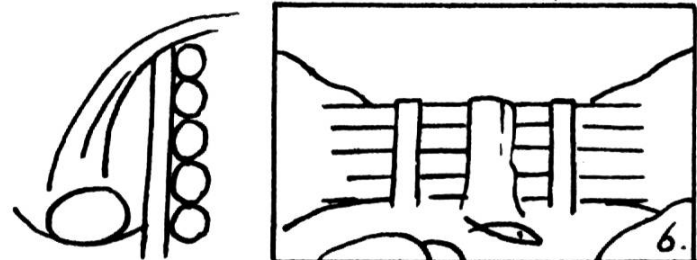
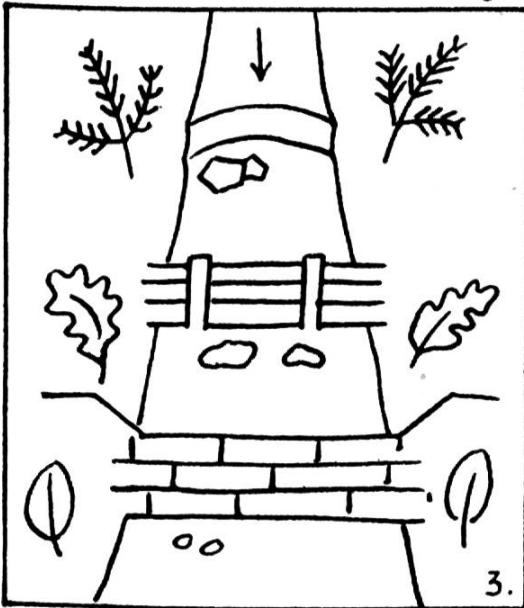
Die Zer-
störungen



des
Wildbaches.

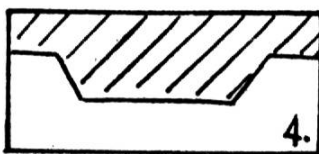


Die Zählung des Wildbaches.

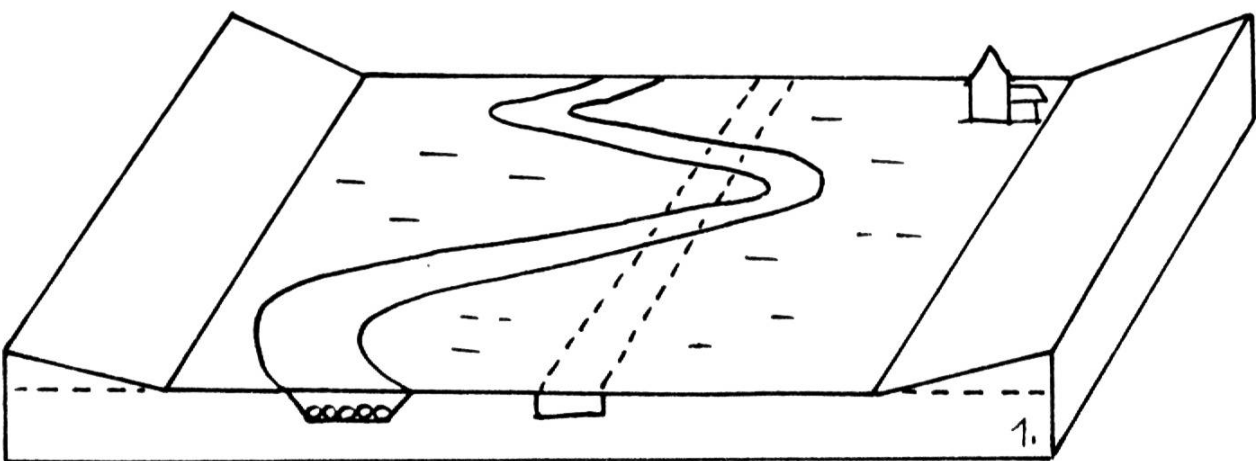


Im Sandkasten. Verbauung m. Baumst.

Ob. Teil - Schablone.

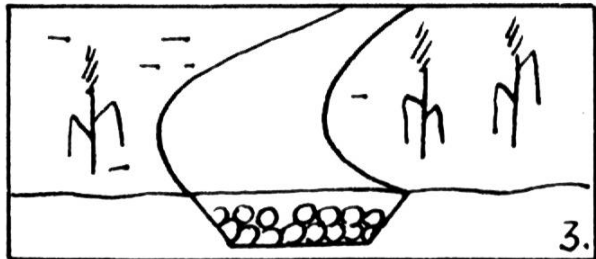
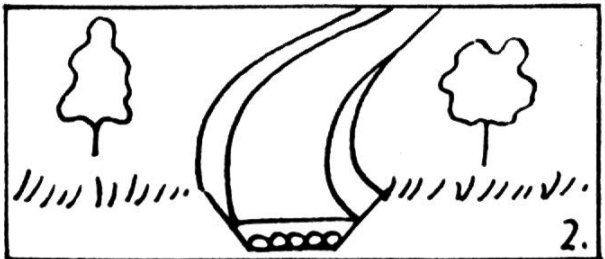


Unt. Teil - Bachbett. Verbauung m. Mauer.



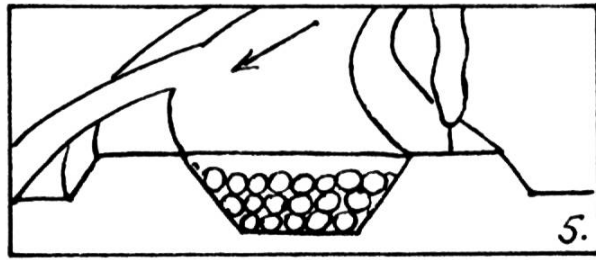
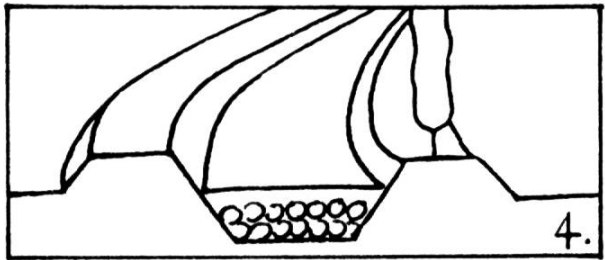
unkorrigiert

Korrigiert



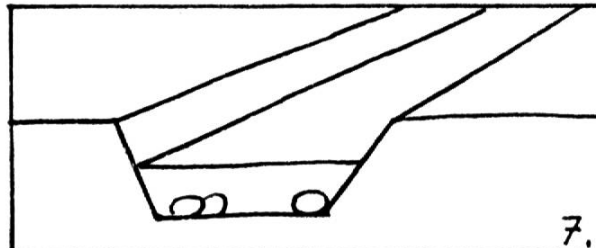
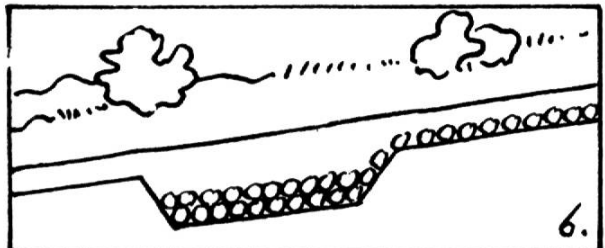
Vor der Überschwemmung

Folgen der Überschwemmung.



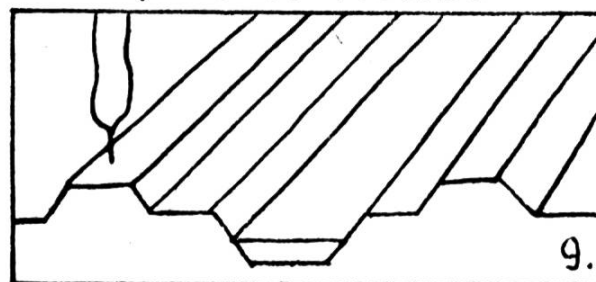
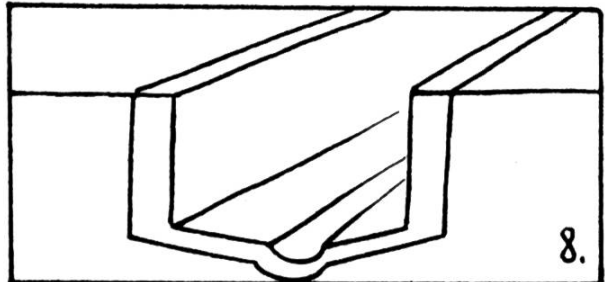
Dämme

Dammbruch.



Steinsammler

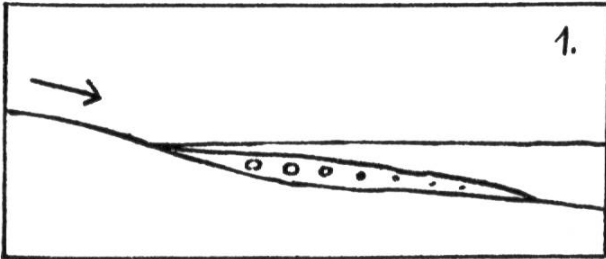
Der gerade Kanal



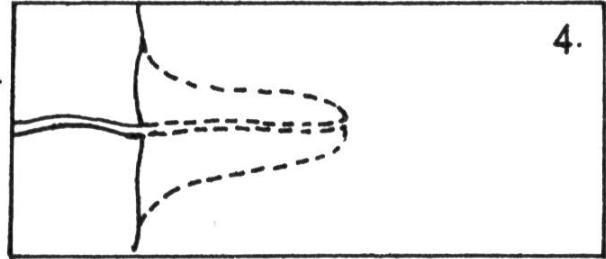
Betonierter Kanal. Hoch- u. Niedrigwasser-Kanal.

Die Ablagerung.

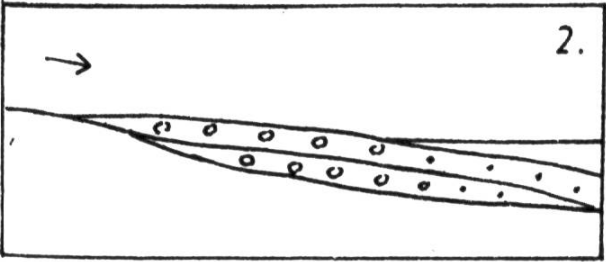
Blatt: 41.



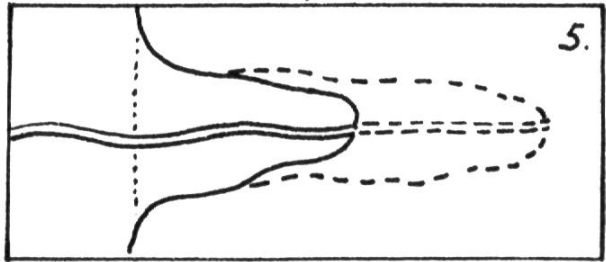
Erste Anschwemmung



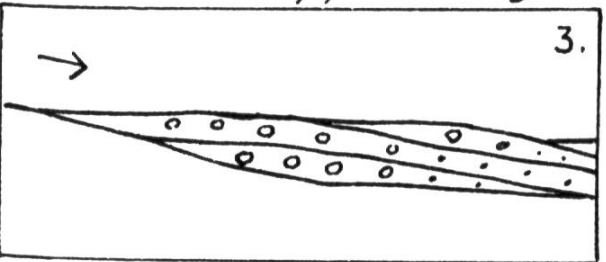
Land Untiefe Tiefe



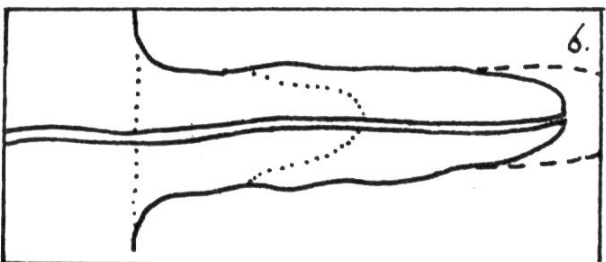
Weitere Auffüllung.



Halbinsel



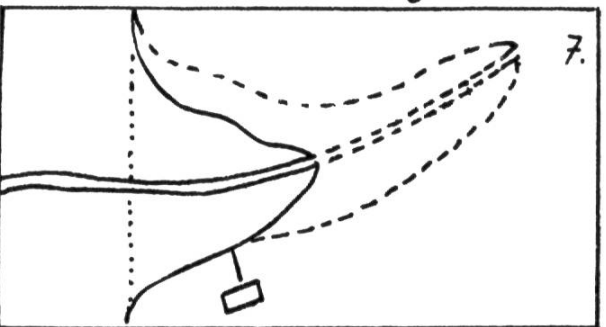
Heutiges Ufer



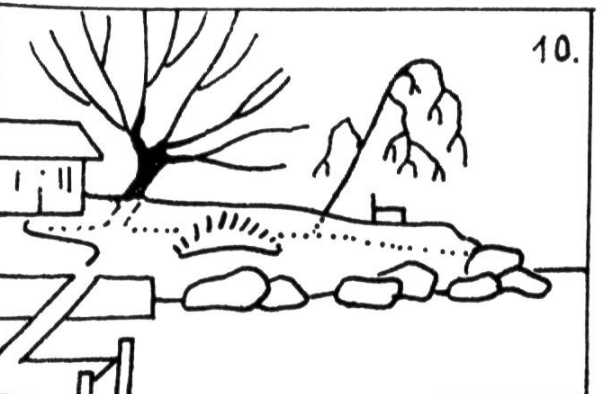
Landzunge



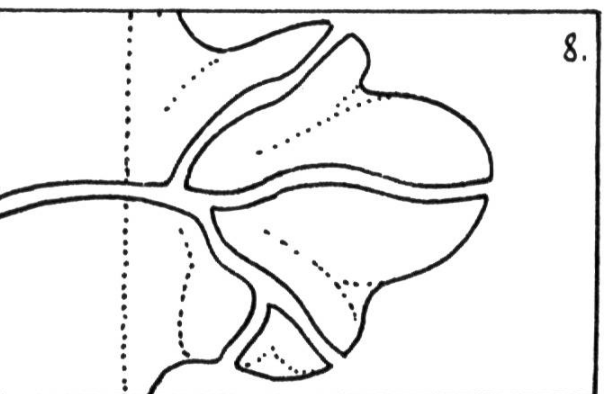
Als Wildnis



Horn



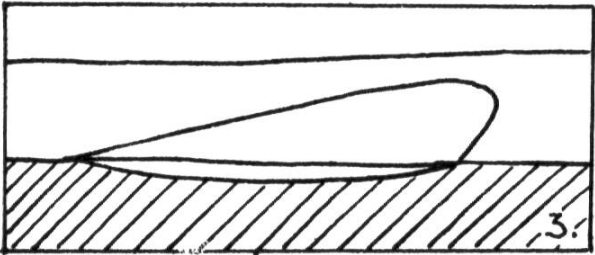
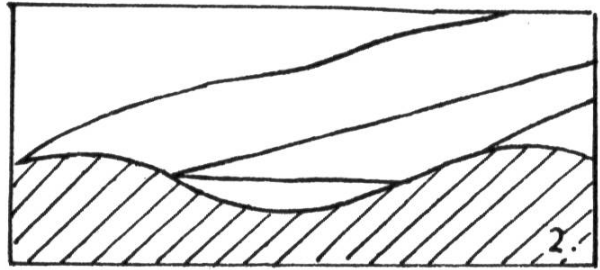
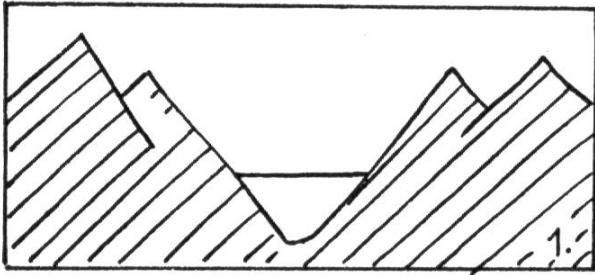
Als Anlage (aufgefüllt)



Delta

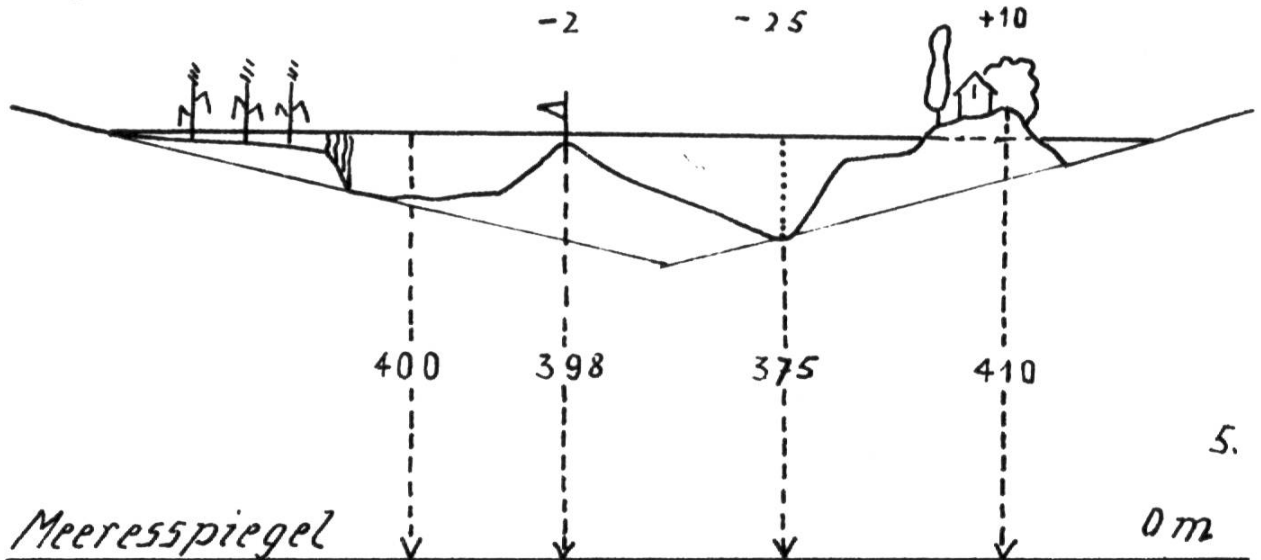
Seegrund und Seetiefe.

Blatt: 42.



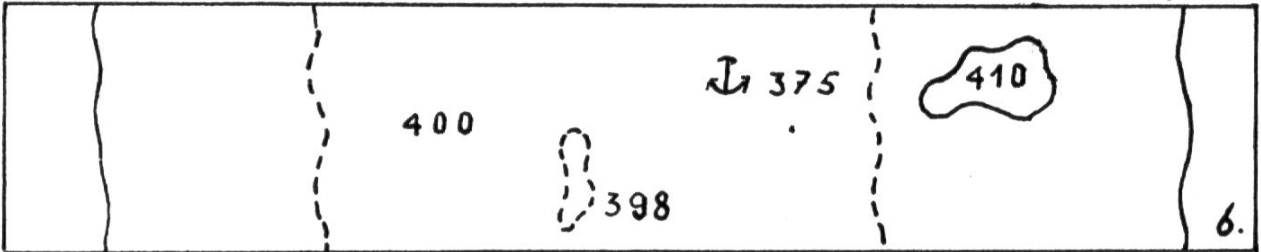
Lage der Seen.

Insel (Silhouette)



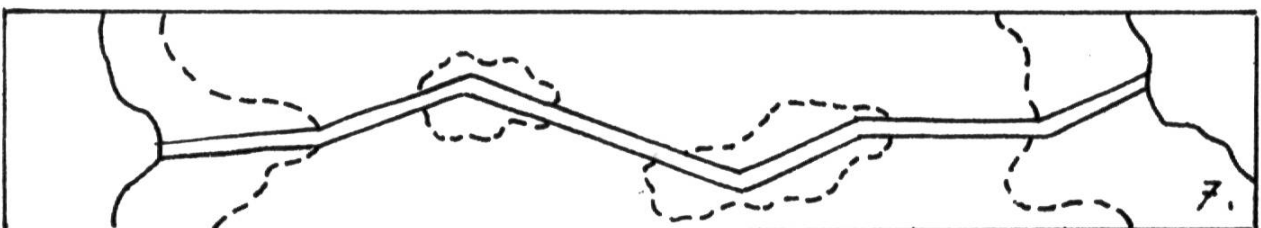
5.

Ufer Halde Untiefe Tiefe Insel Ufer



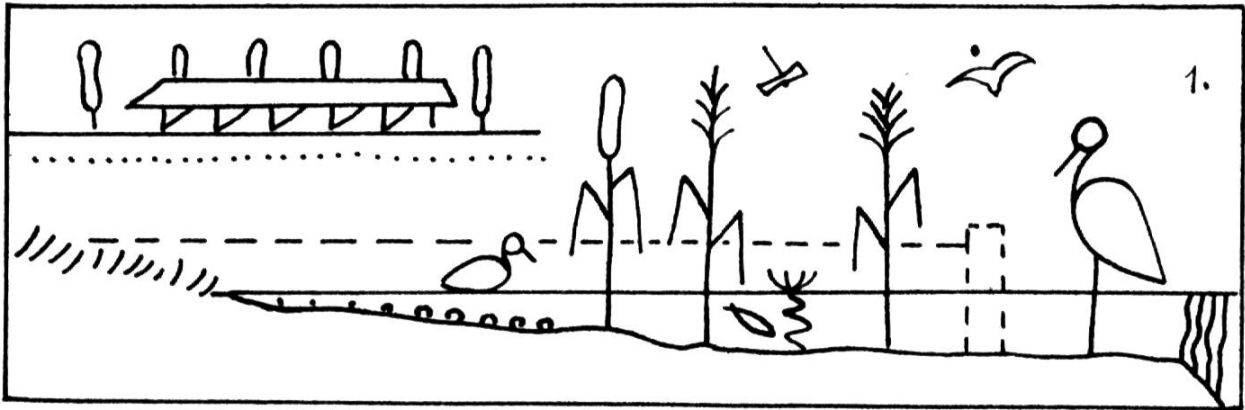
6.

Plänchen

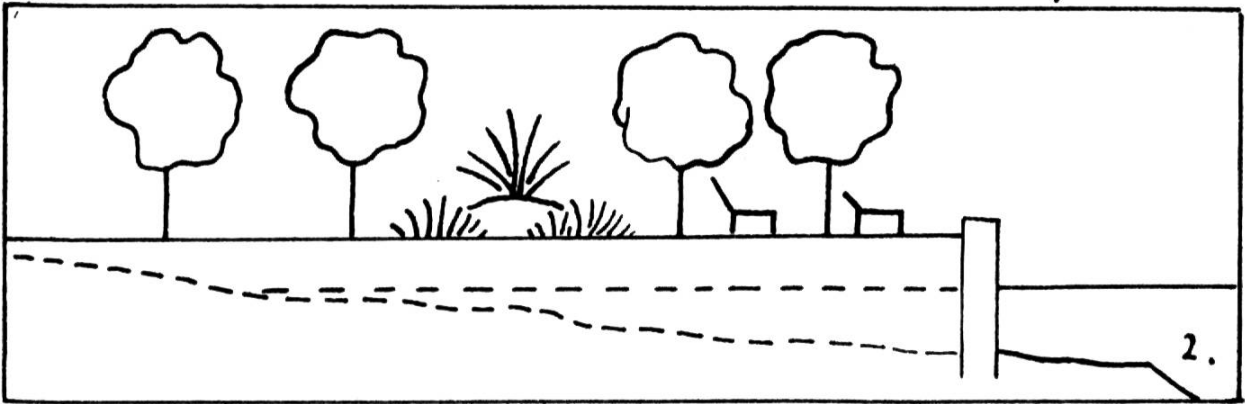


7.

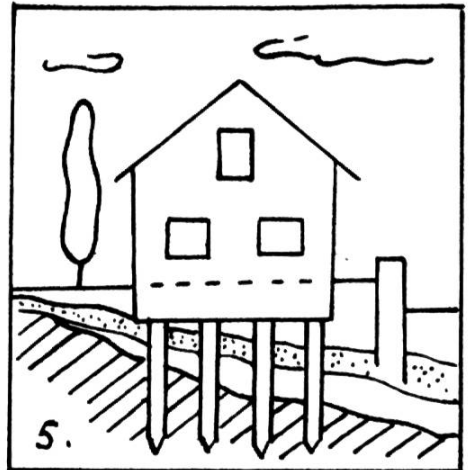
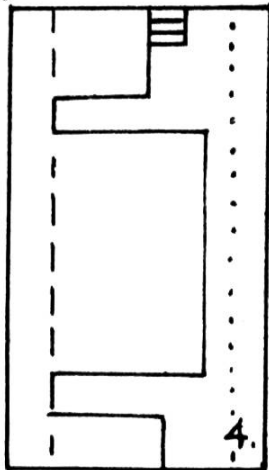
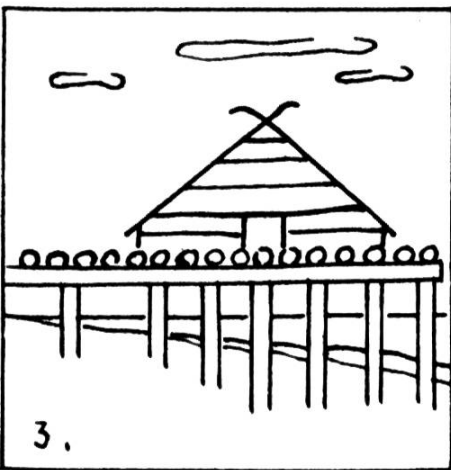
Untiefen und alte Seebrücke



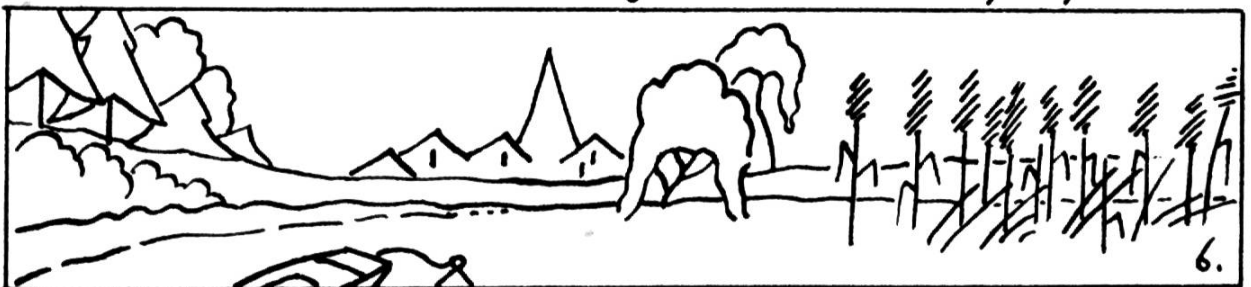
Pflanze und Tierleben am Flachufer



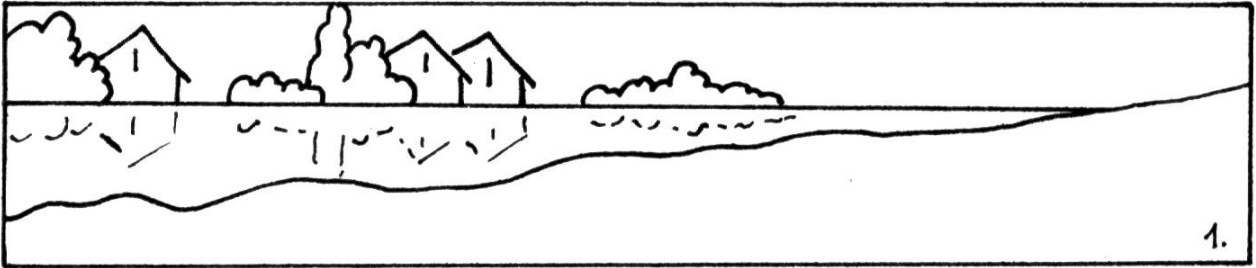
Die Landanlage (Oruai)



Pfahlbau Anlagen Haus auf Pfählen.



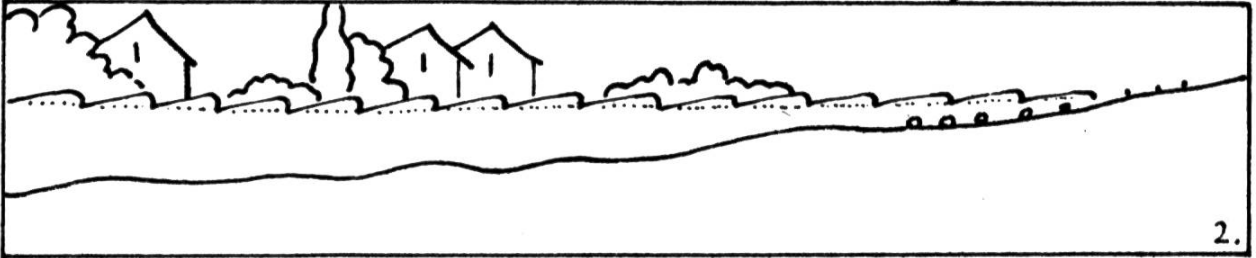
Flachuferlandschaft.



1.

bei Windstille

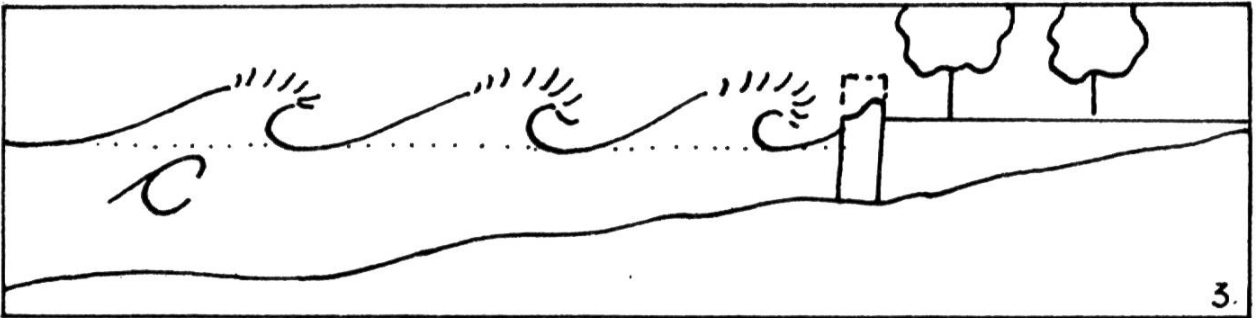
spiegelglatt.



2.

bei Wind

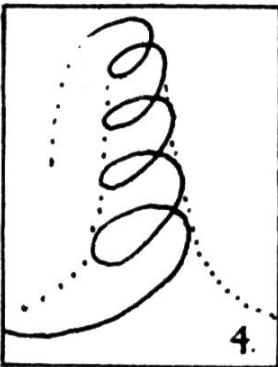
gekräuselt.



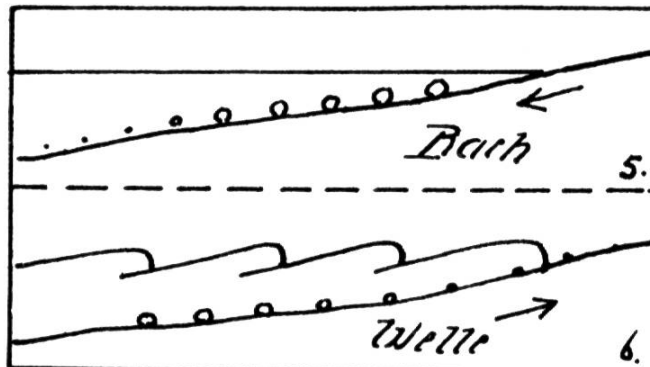
3.

bei Sturm

Sturz - oder C-Wellen.



4.

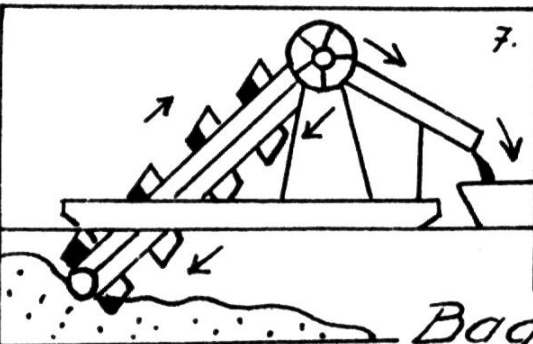


5.

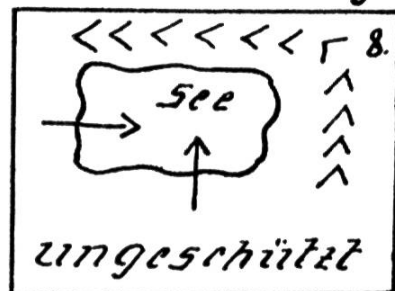
6.

Wasserhose

Umschichtung

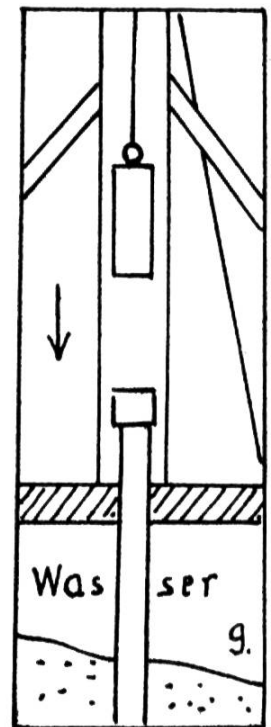


7.



8.

ungeschützt



9.

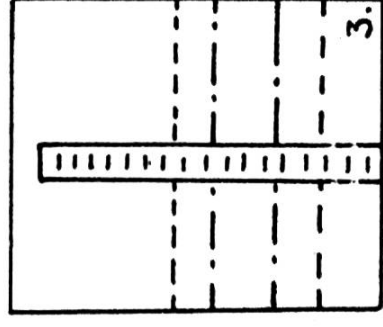
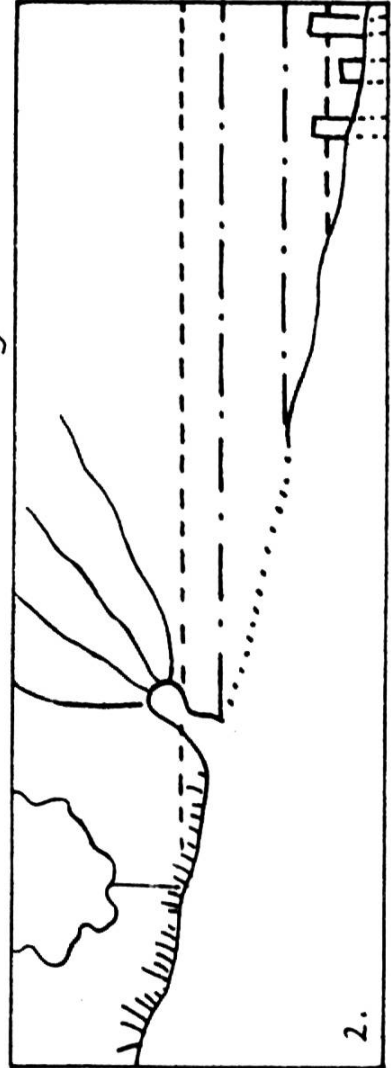
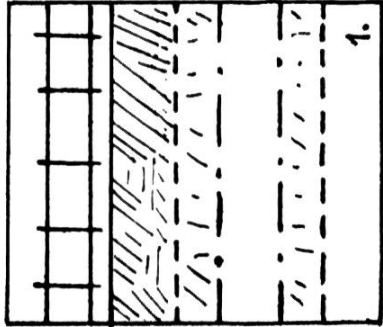
Was ser

Baggermaschine Ramme

Dem Seespiegel.

Schwankungen am

Blatt: 45.



künstlichen Ufer

natürlichen Ufer

Seespiegel.

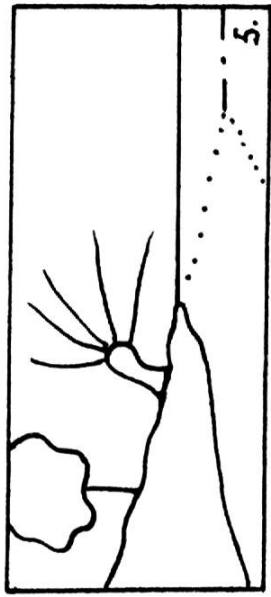
S = Sommer

W = Winter

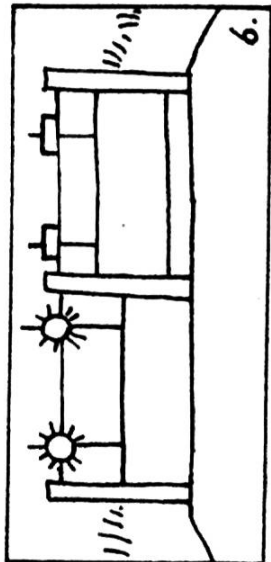
H = Höchststand

T = Tiefstand

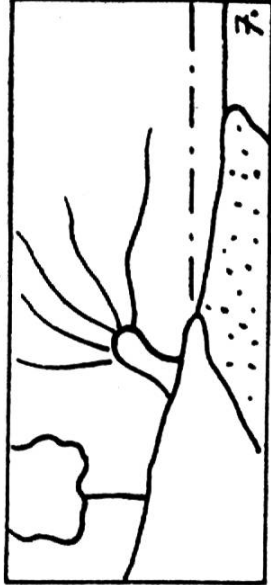
in den verschiedenen Jahreszeiten (Plan)



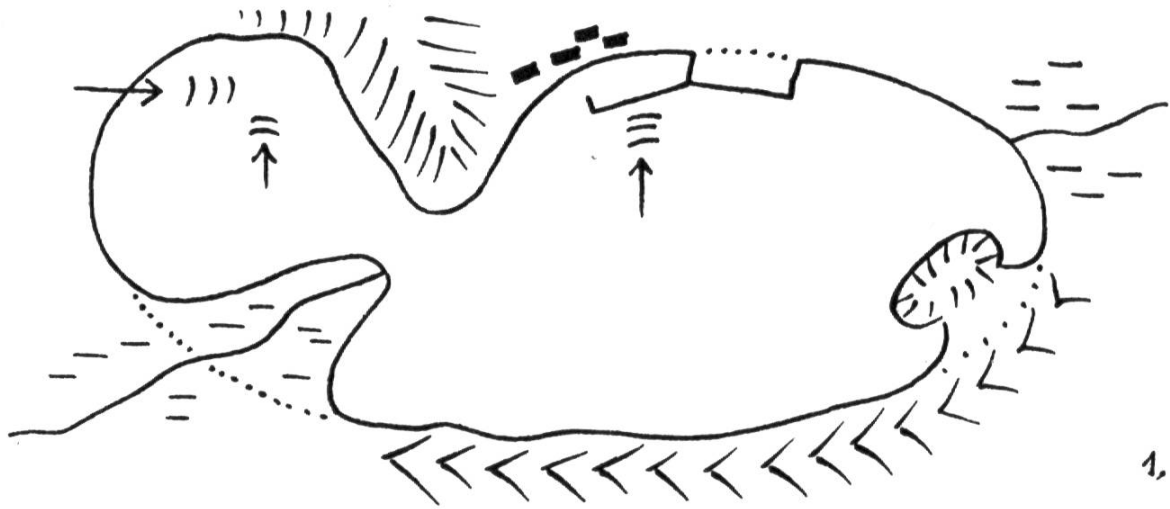
im Sommer hoch



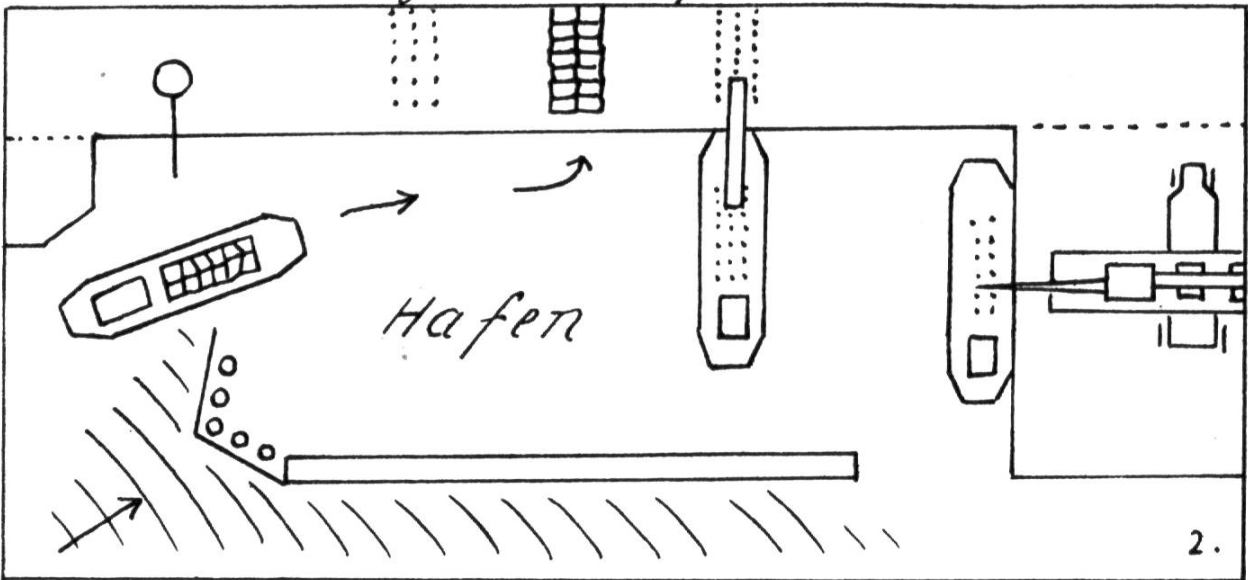
Schleuse



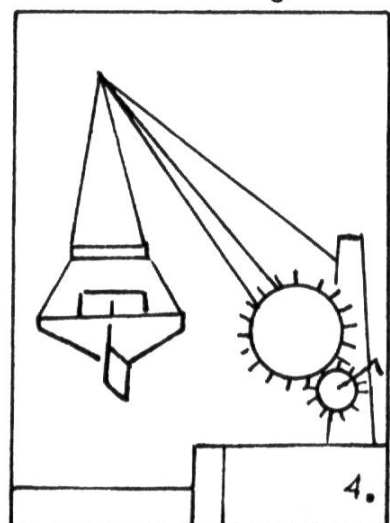
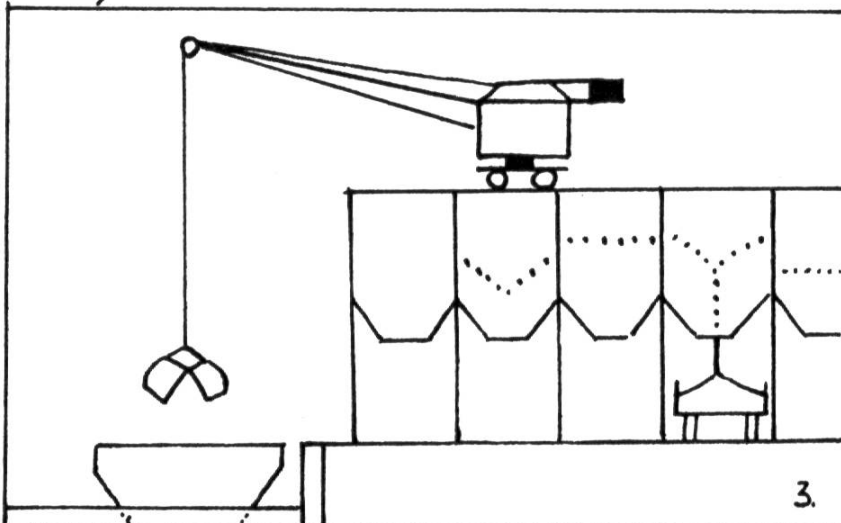
im Winter tief



Veränderungen der Uferlinie

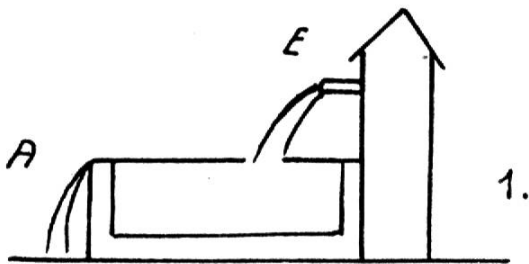


Hafen mit Südweststurm u. Siloanlage

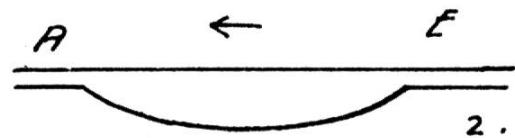


Ledischiff mit Siloanlage Handkran

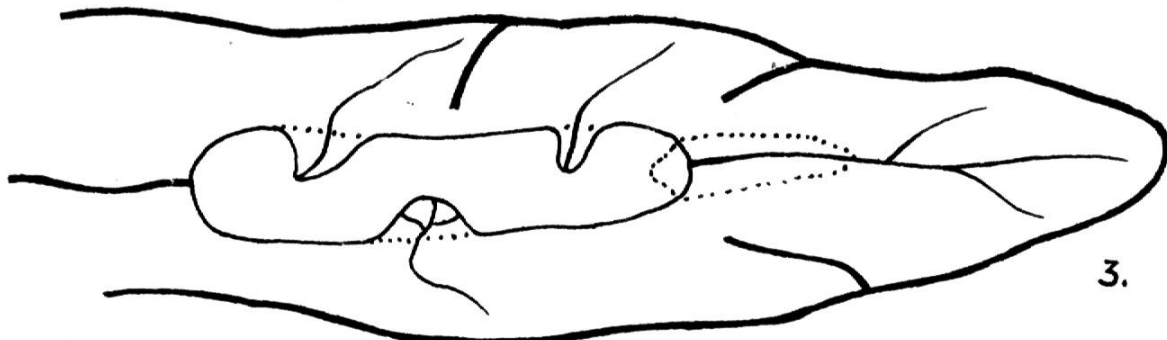
Einfluss, Abfluss, Läuterung. Blatt: 47.



1.



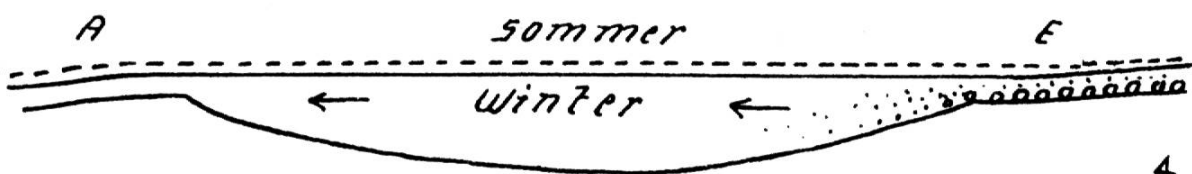
2.



3.

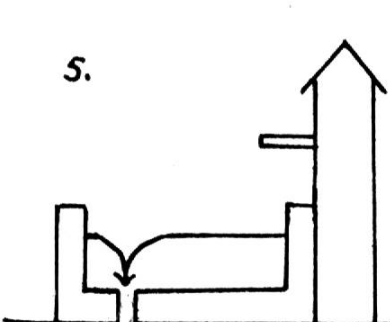
| | | |
|------------------|-----------------------|--------------------|
| <u>Ausfluss</u> | <u>Nebenflüsse</u> | <u>Einfluss</u> |
| sehr wasserreich | wasserärmer | wasserreich |
| — | Gerölle und Geschiebe | — |
| — | Horn, Delta, Zunge | Anschwemmungsebene |
| Klares Wasser | | trübes Wasser |

Der See ist ein Läuterungsbecken

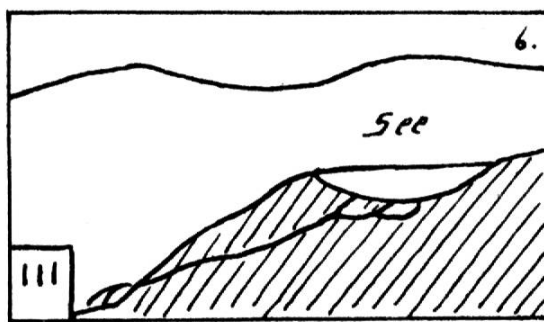


4.

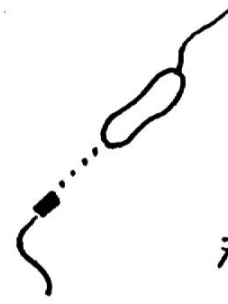
Der oberirdische Ausfluss.



5.

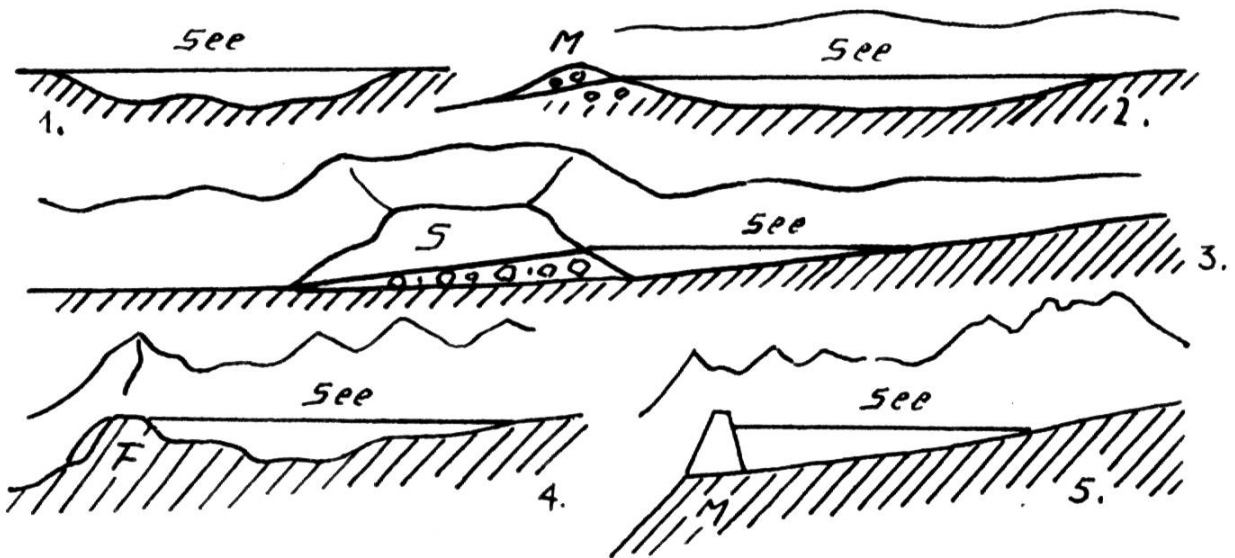


6.

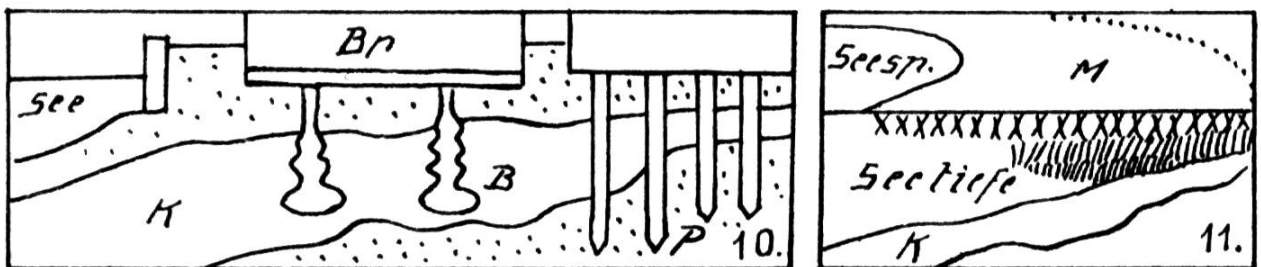
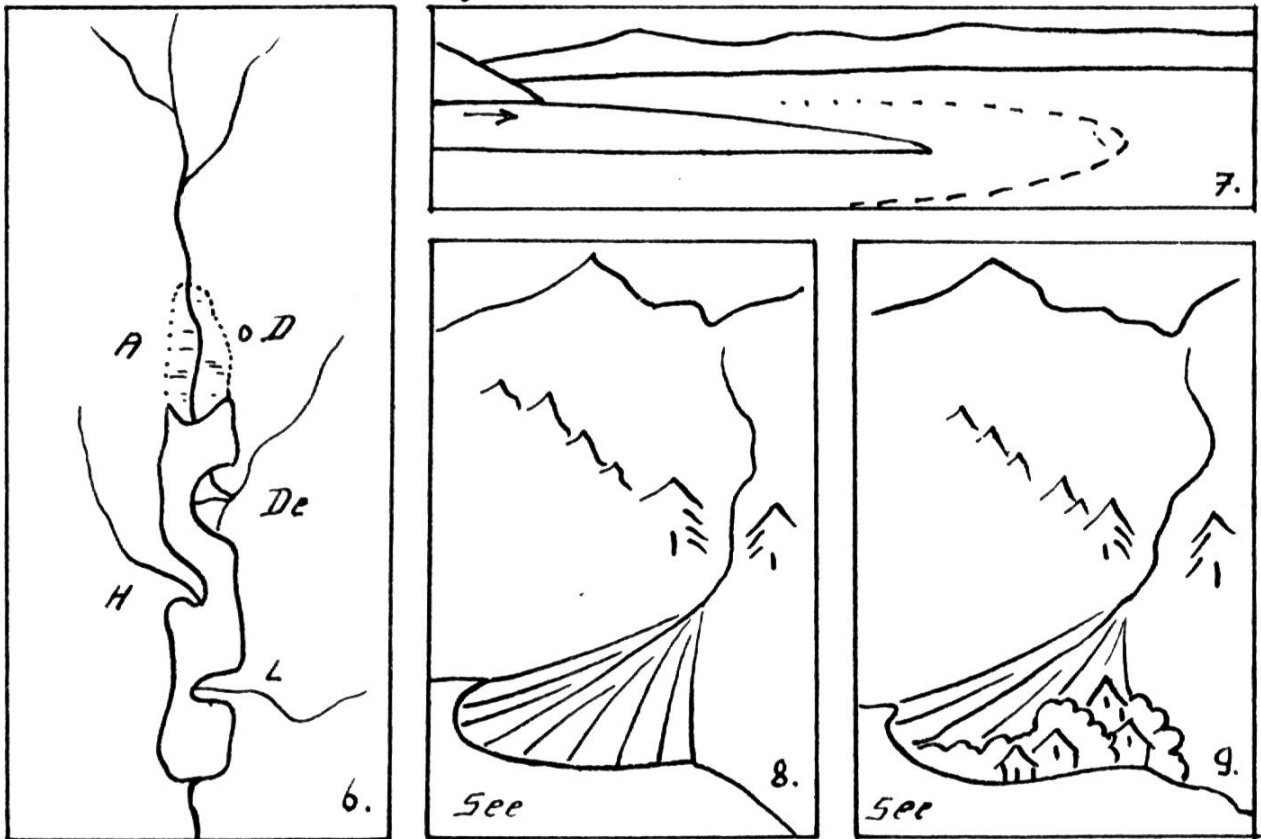


7.

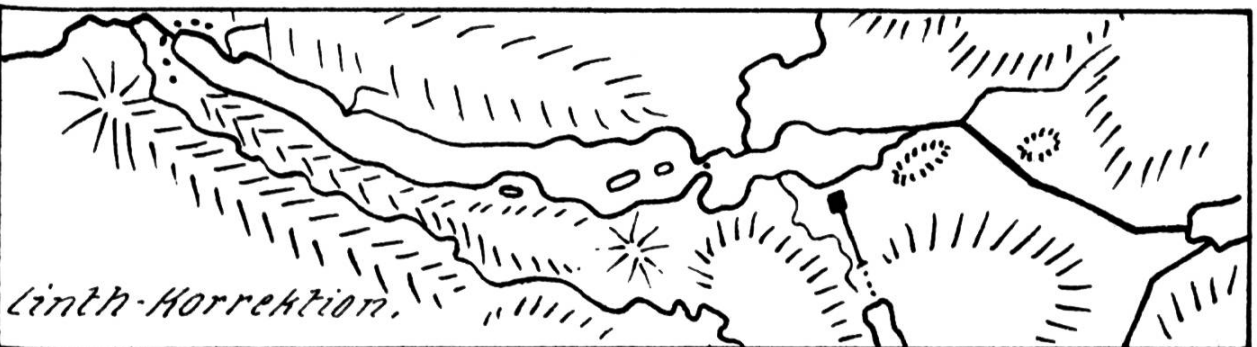
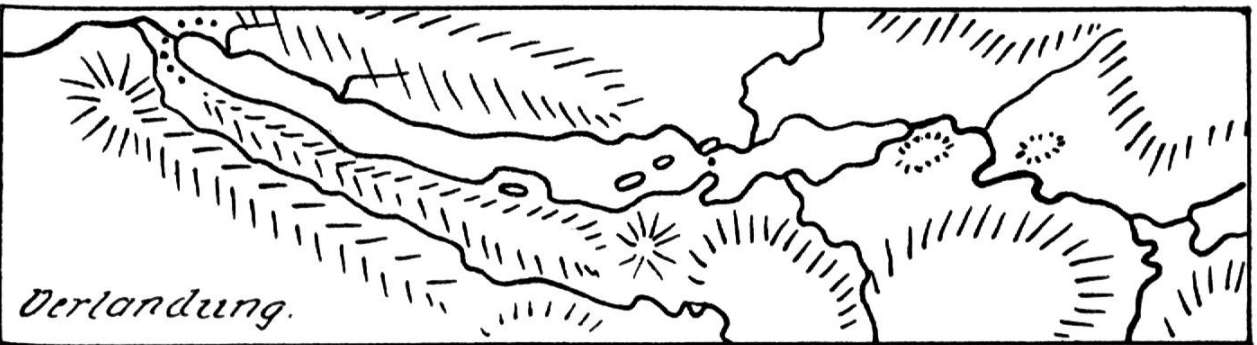
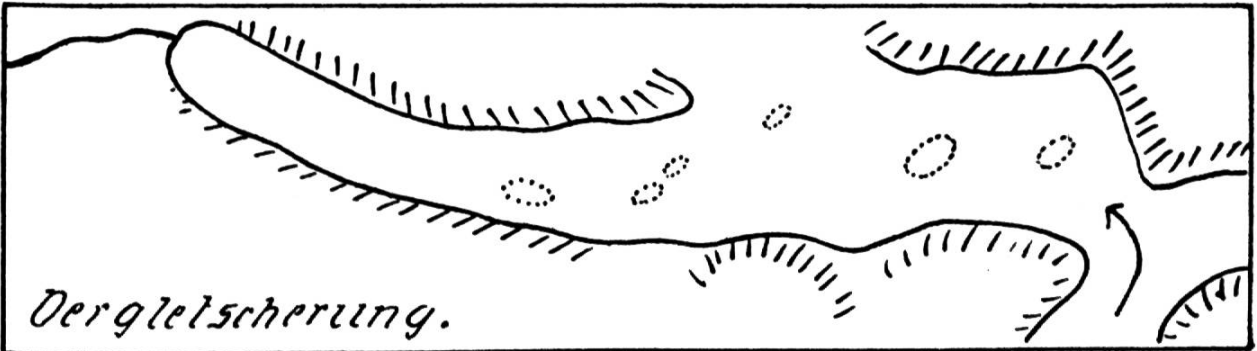
Der unterirdische Abfluss



Ihre Entstehung.

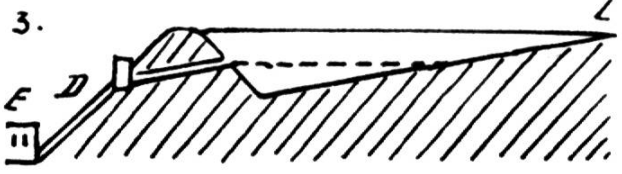
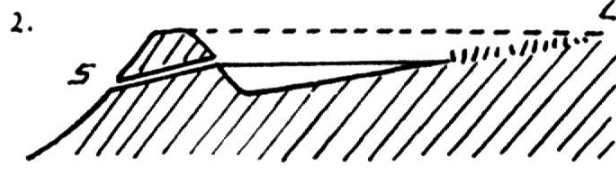
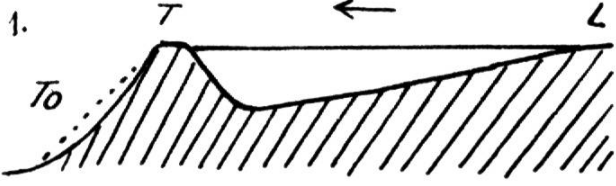


Ihre Ausfüllung.

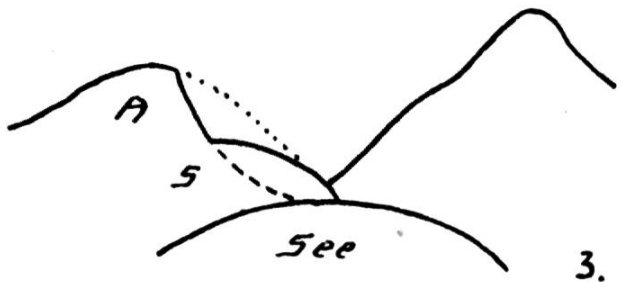
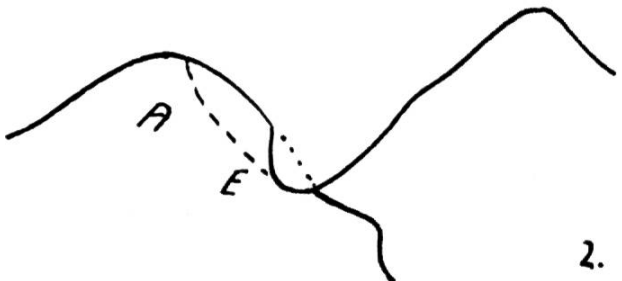
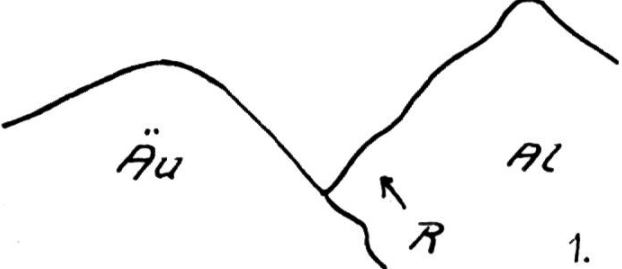


Werden und Vergehen

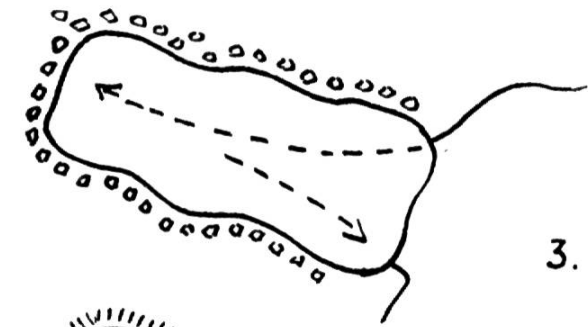
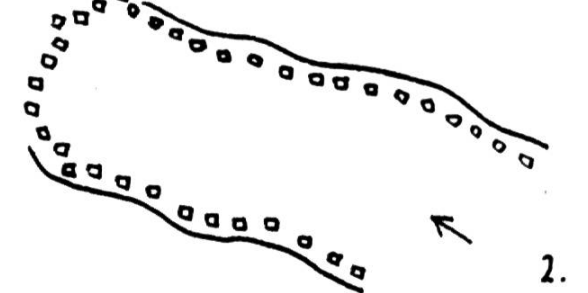
Blatt: 50.



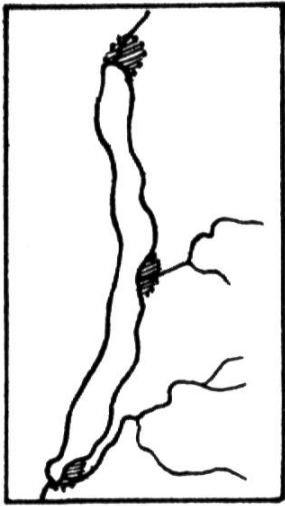
des Lungernsees,



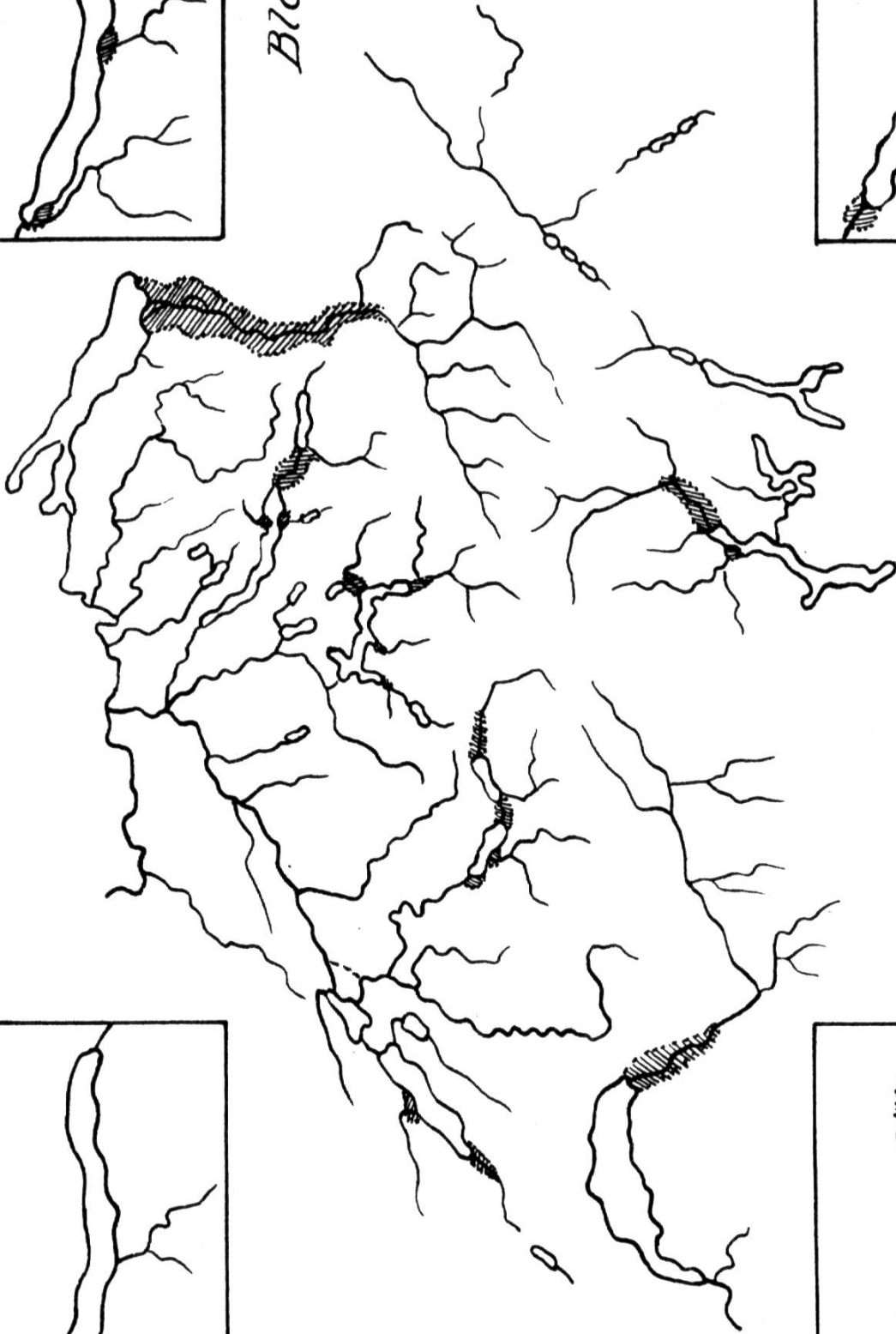
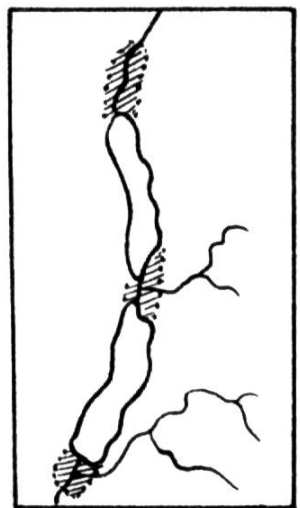
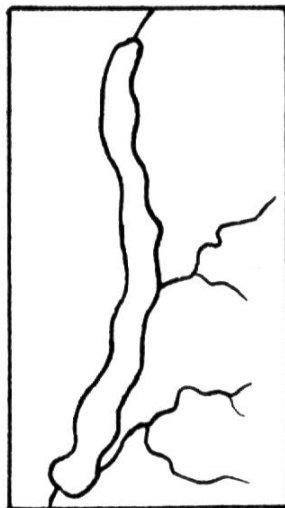
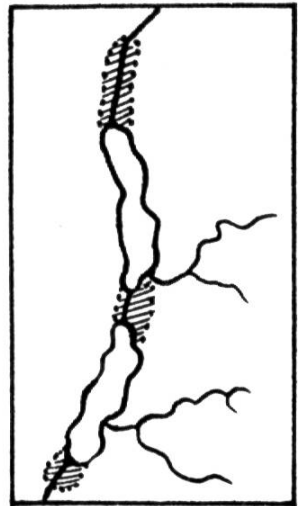
des Türlersees,



des Pfäffikersees.

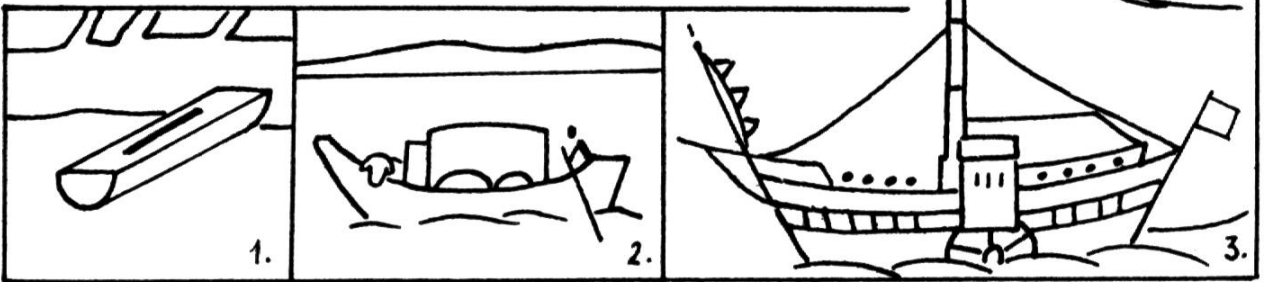


Blatt: 57.

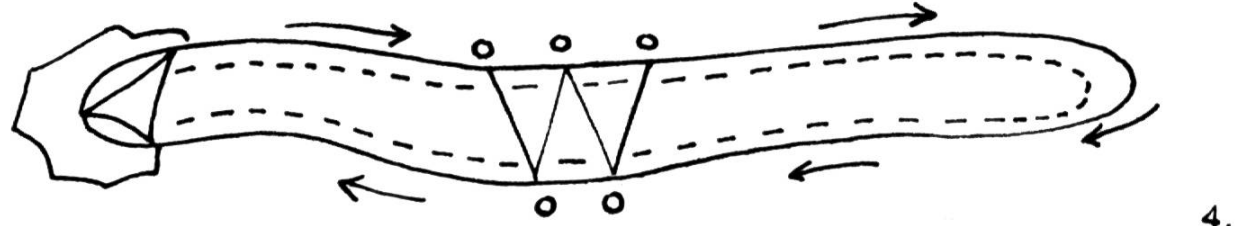


Die Verlandung unserer
Schweizerseen.

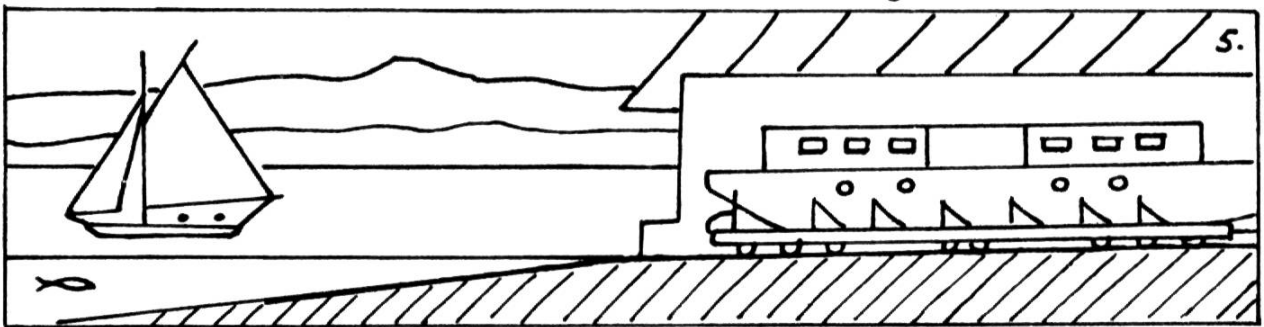
See und Verkehr. Blatt: 52.



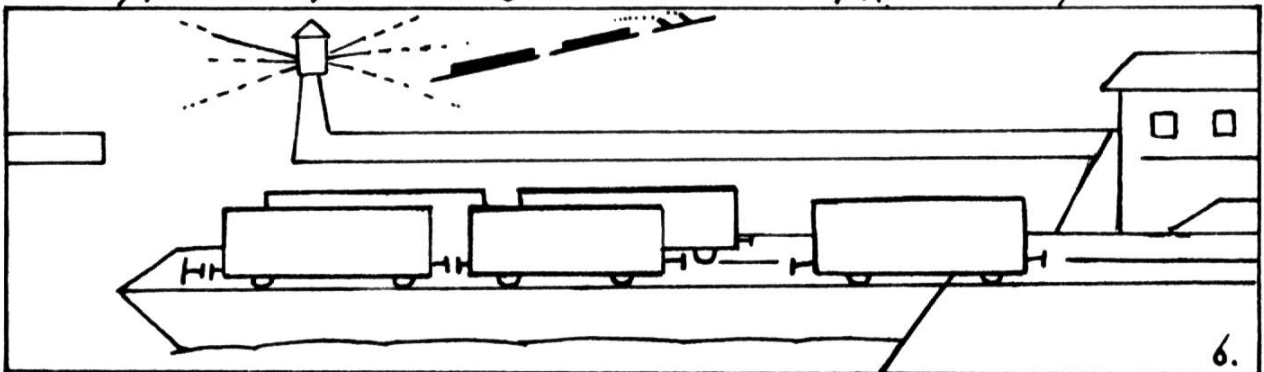
1. Einbaum 2. Marktschiff 3. Altes Dampfschiff



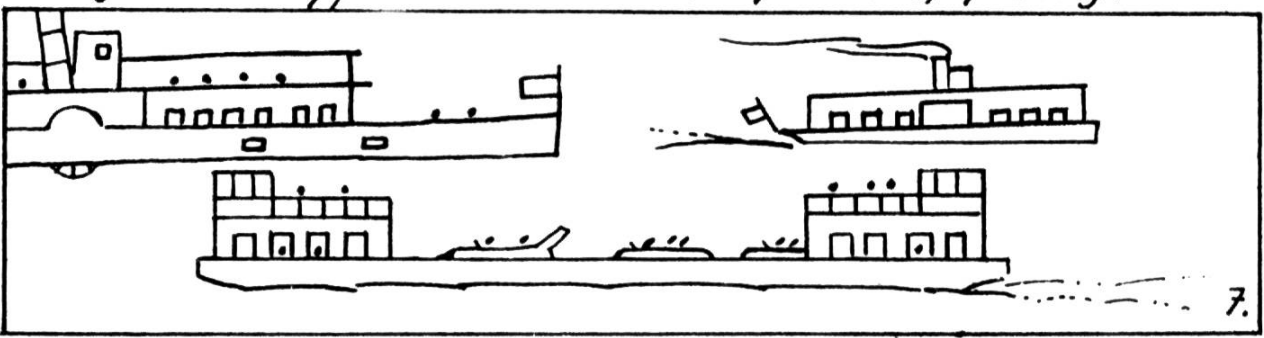
4. Seebecken- Quer- Längsverkehr



5. Schiffswerft: Wagen mit Schiffsrumpf

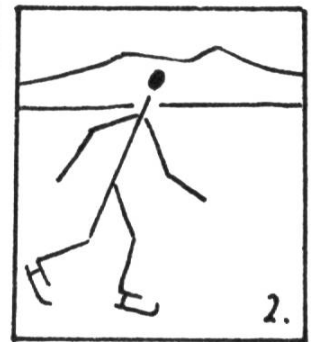
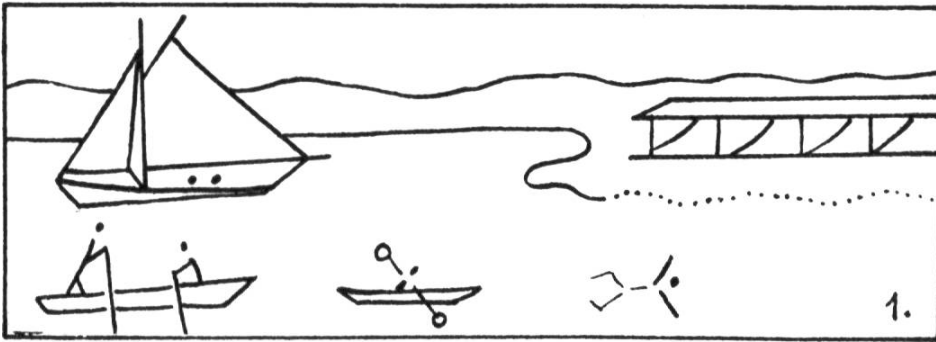


6. Trajektschiff: Leuchtturm, Schleppzug.



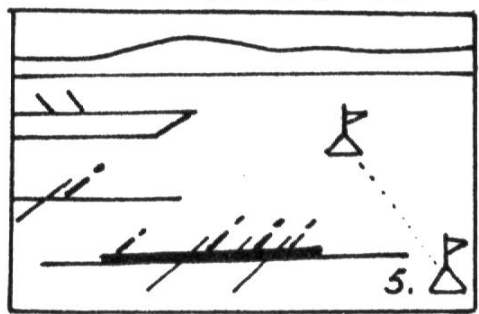
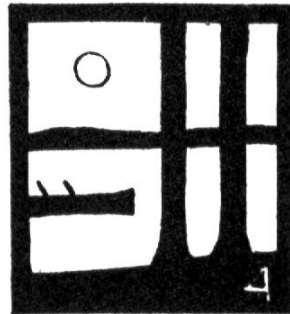
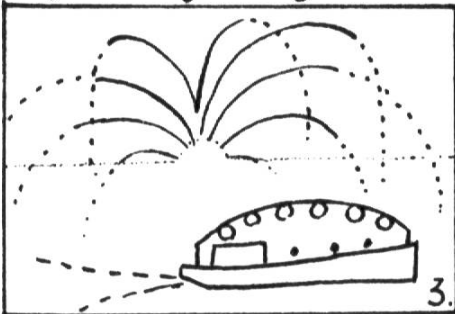
7. Raddampfer Autofähre Dampfschwalbe

Dorteile und Nachteile der Seen. Blatt:53.

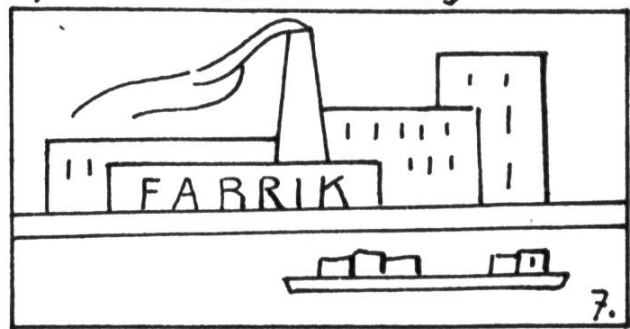
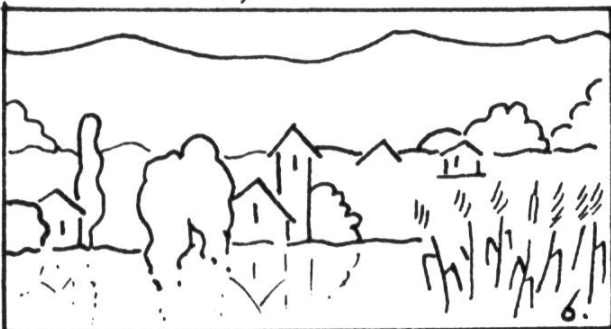


Sportgelegenheit im Sommer

im Winter

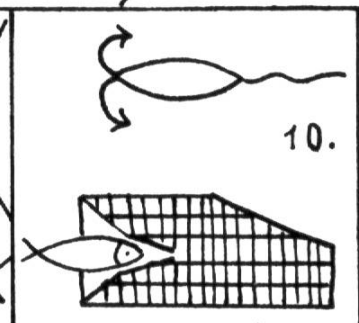
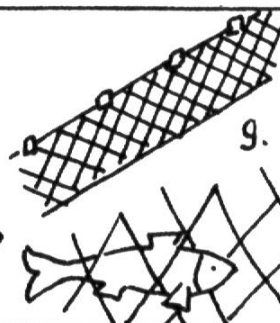
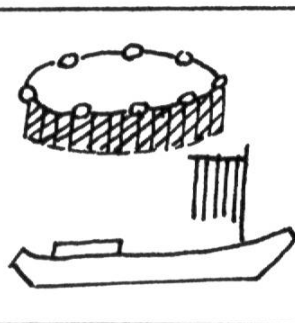
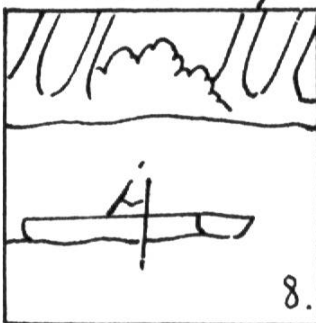


Seenachtfest Mondscheinfahrt Ruderregatte



Schönes Ufer

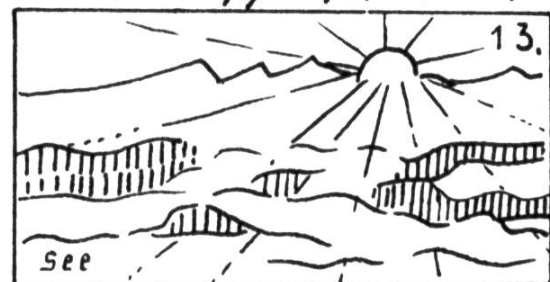
Verdorbenes Uferbild.



Harpune Gransen und Netze Löffel, Reuse.

| |
|-------------|
| Sommer; 11. |
| Luft: 30° |
| Wasser: 25° |

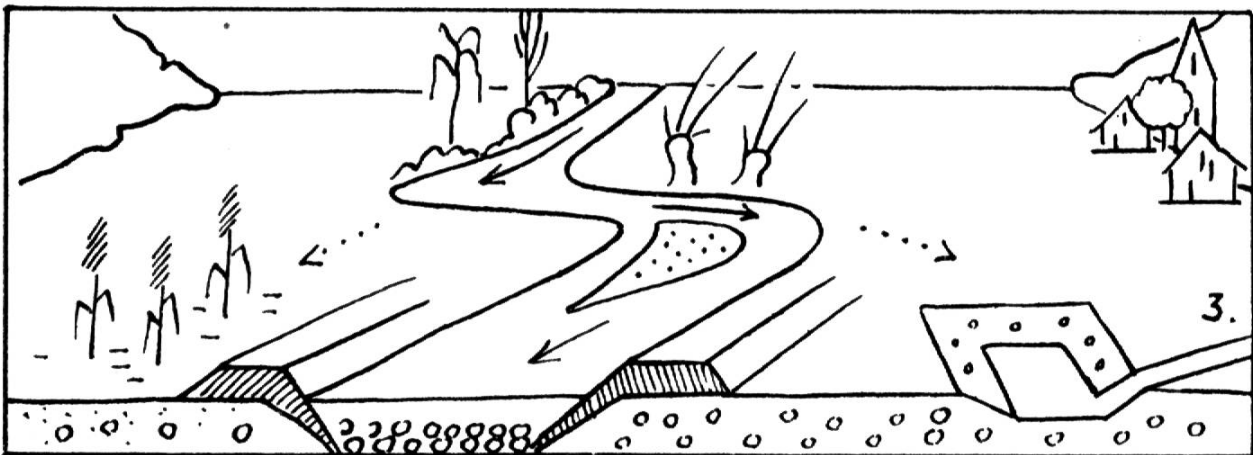
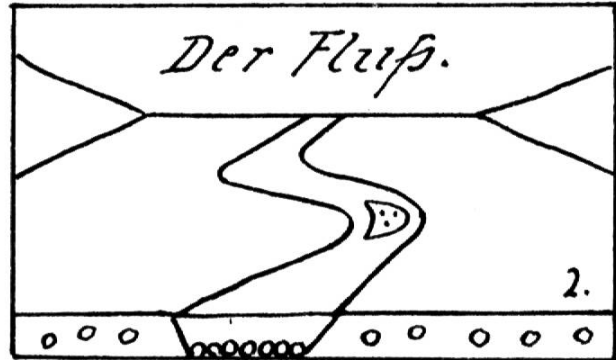
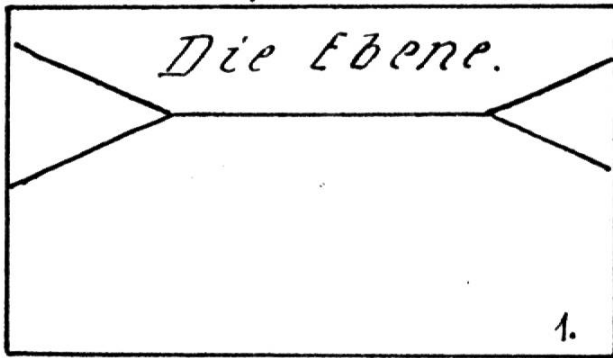
| |
|-------------|
| Winter: 12. |
| Luft: -4. |
| Wasser: +8 |



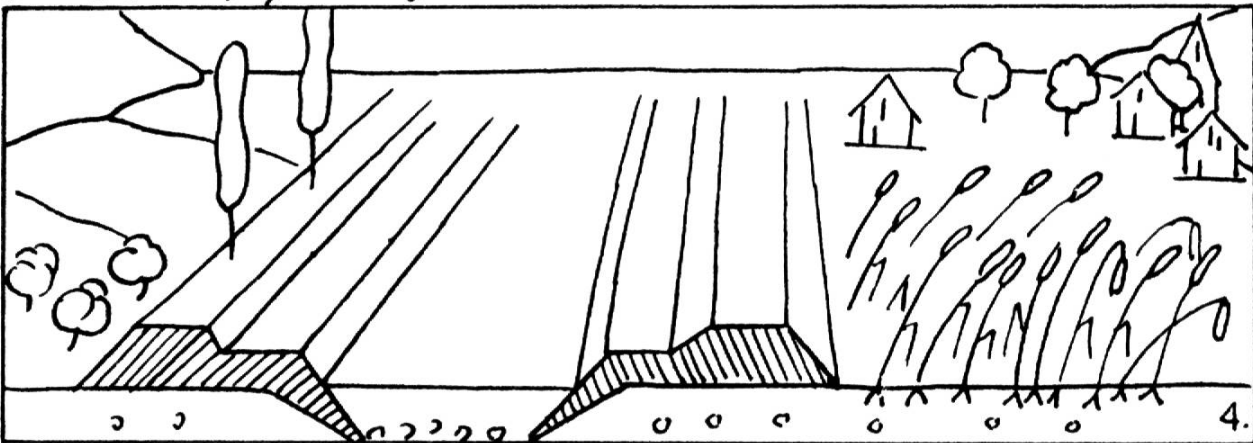
Temperaturausgleich. "Traubenkoch"

Die Flussebene.

Blatt: 54.



Uersumpfung Dämme Verkiesung



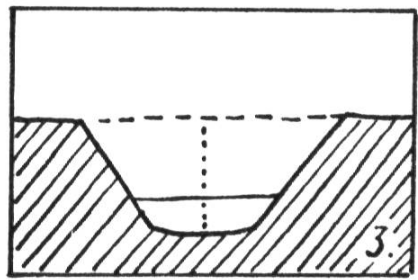
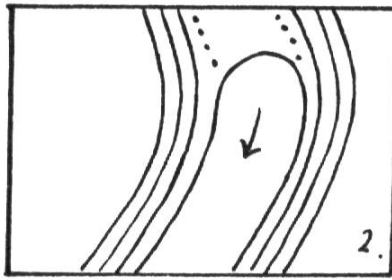
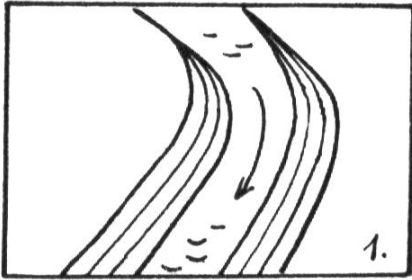
Gemüse Kanalisation Getreide



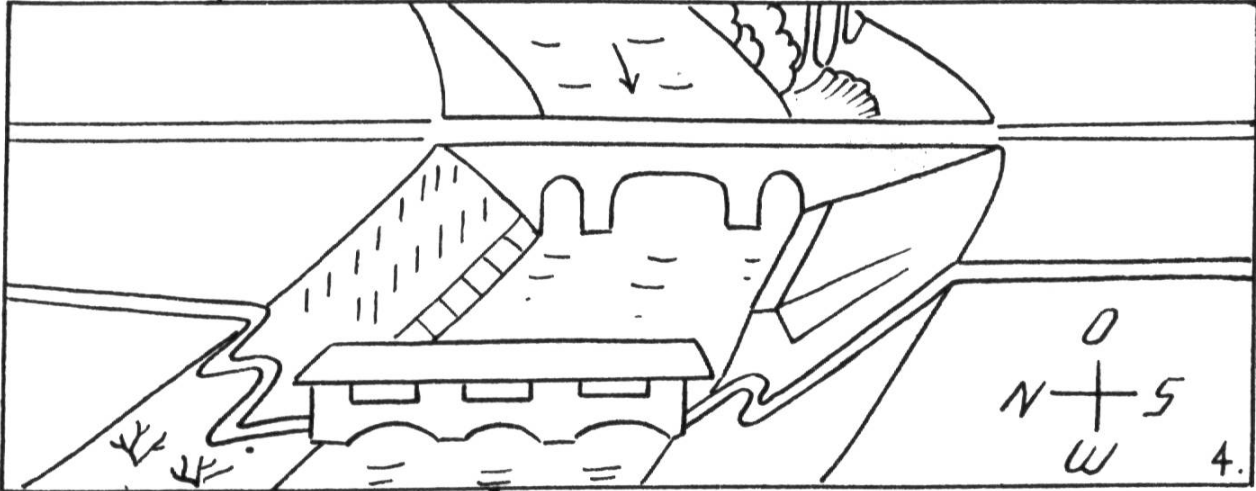
Tierleben im alten Flußlauf.

Das Flußtobel.

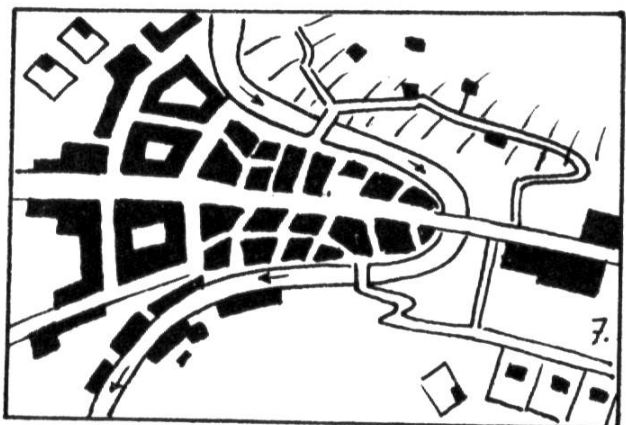
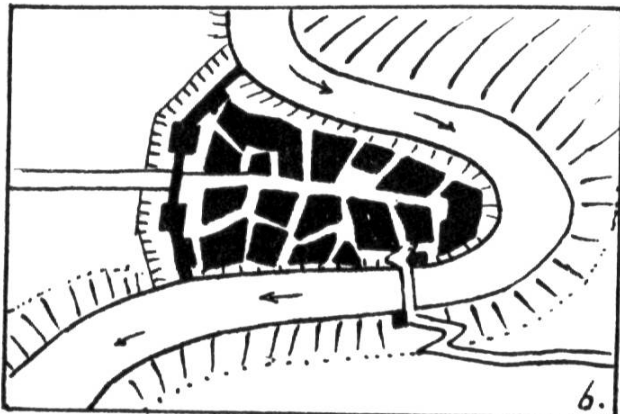
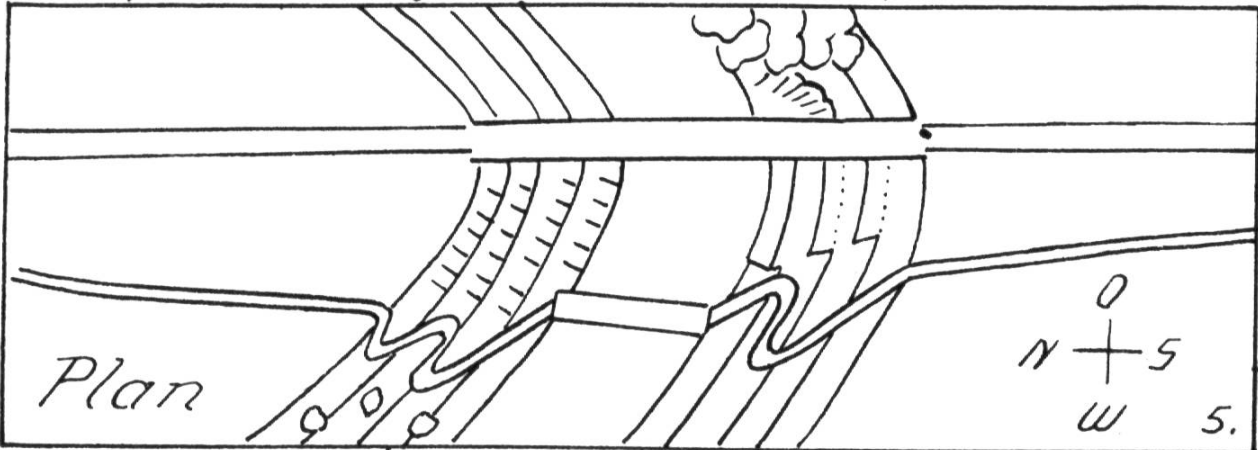
Blatt: 55.



Vertiefung Kurvenkarte Querschnitt

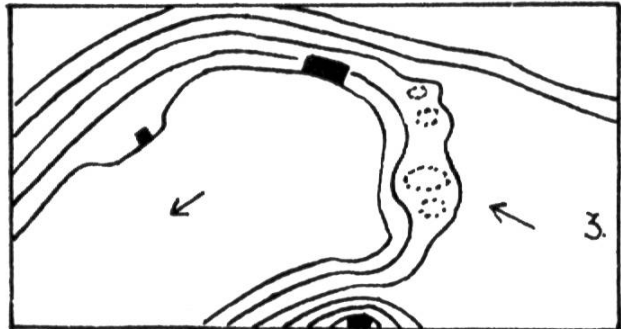
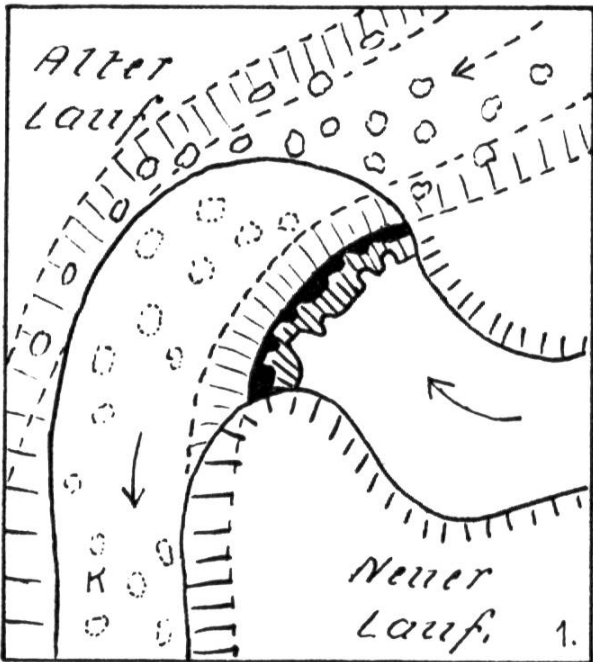


Annflanzung-Hindernis-Uferschutz.

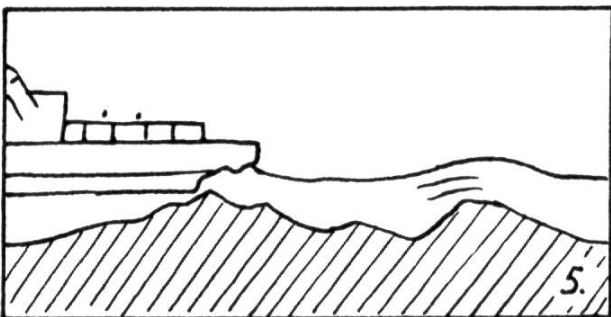
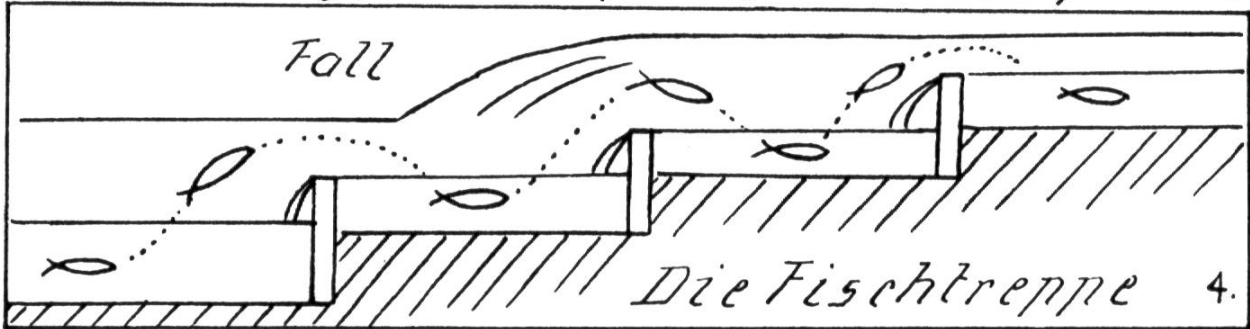


Alte Stadt. Ihr heutiges Aussehen.

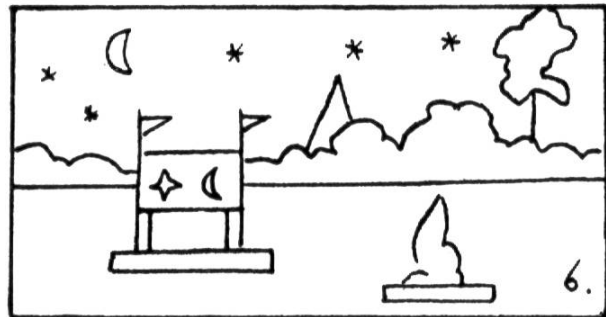
Be 5. Erscheinungen a. Fluß. Blatt: 56.



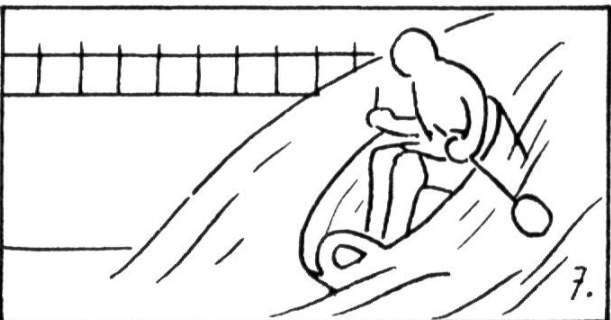
Entstehung, Ansicht, Plan des Rheinfalles.



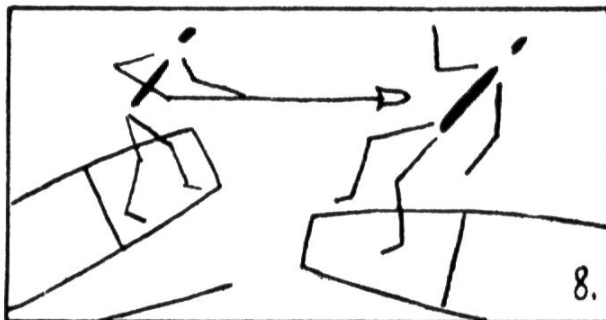
Stromschnellen



Lichterschweimen.

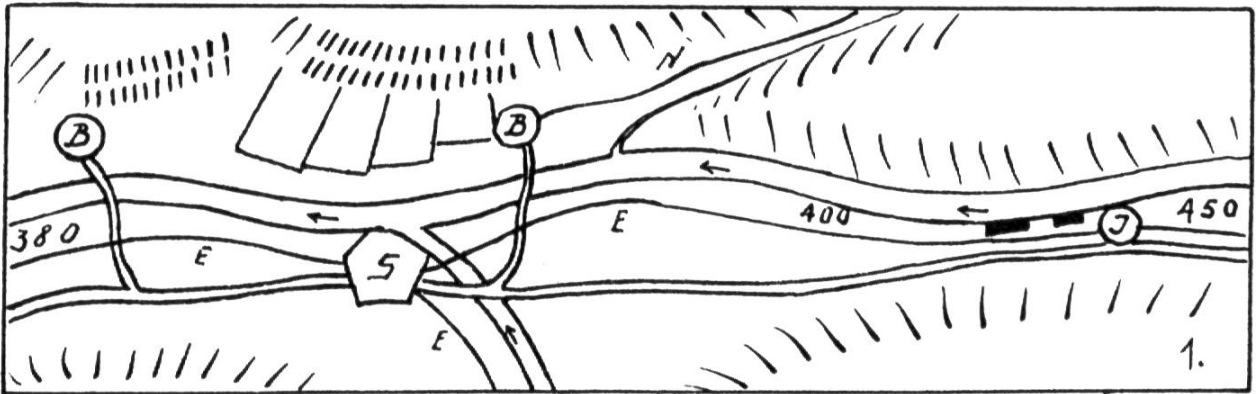


Ständlein fahren

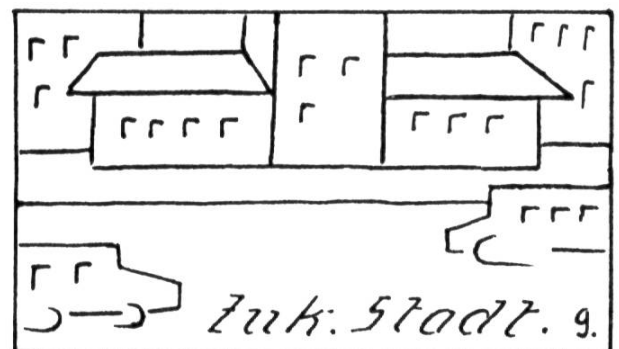
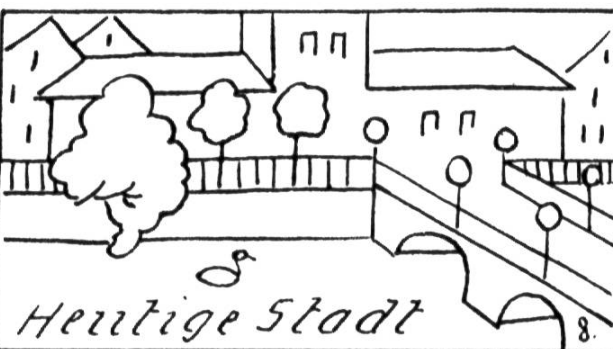
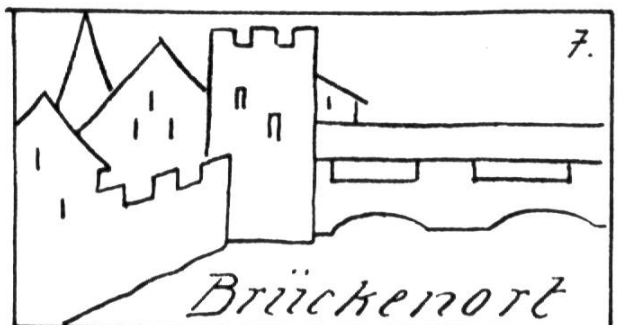
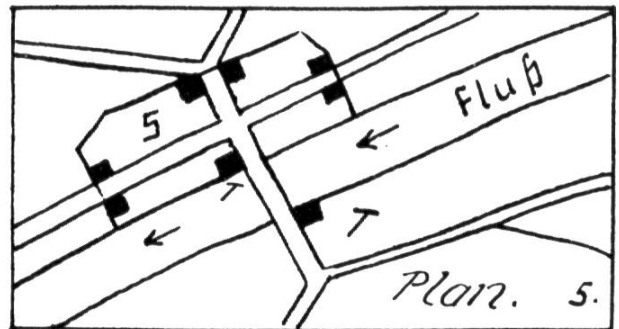
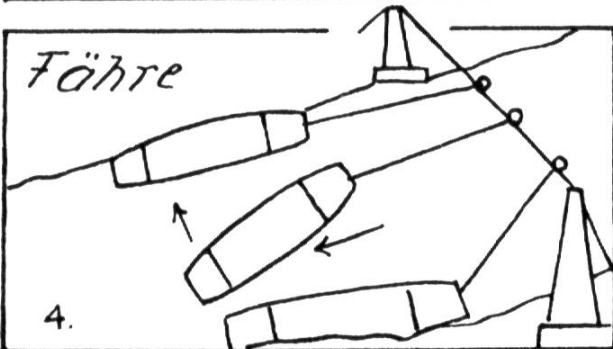
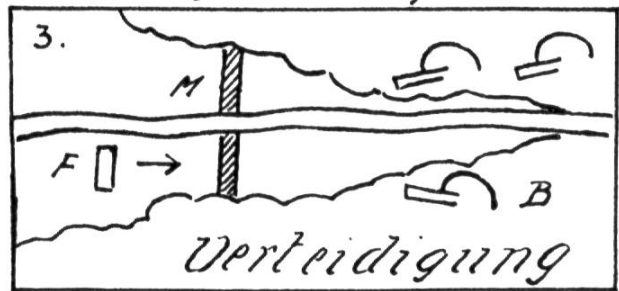
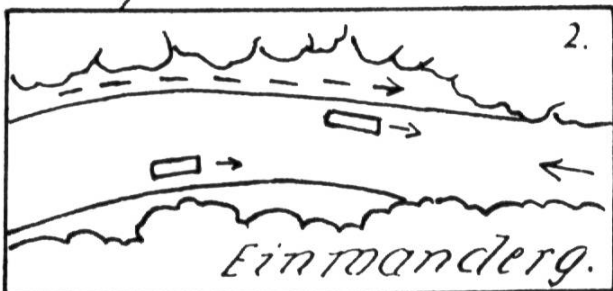


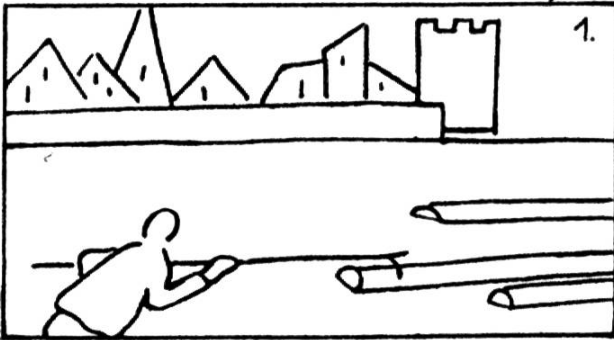
Schifferstecher

Derkehr, Ansiedelung u. Fluß. Blatt: 57.

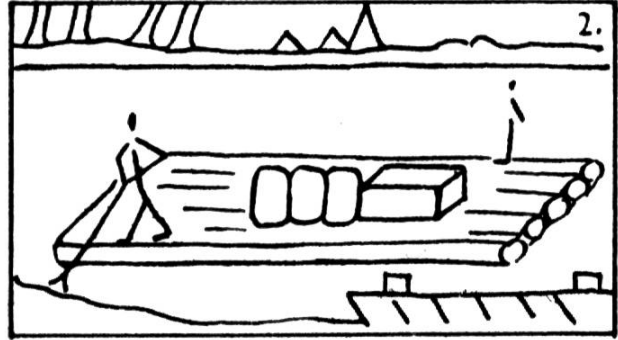


Das fruchtbare u. industrielle Flußtal.

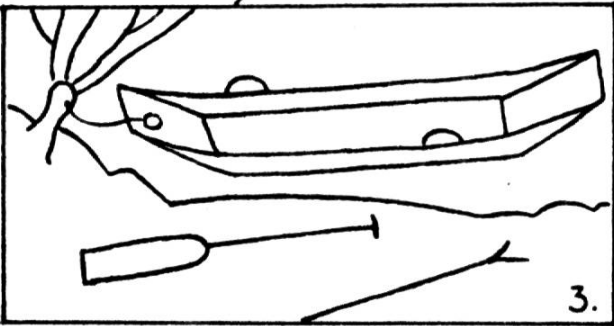




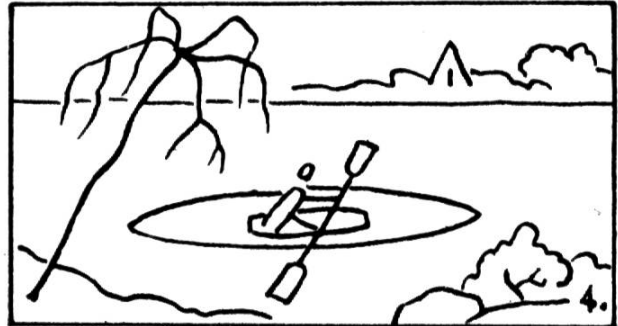
Das Flößen



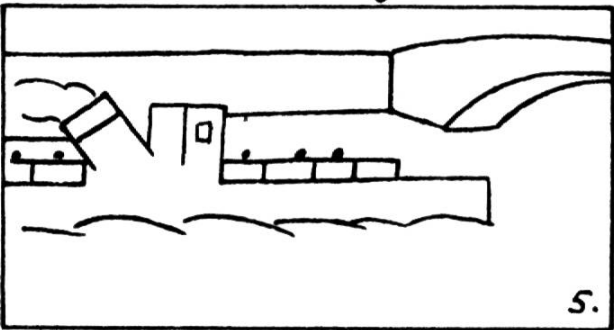
Das Floß



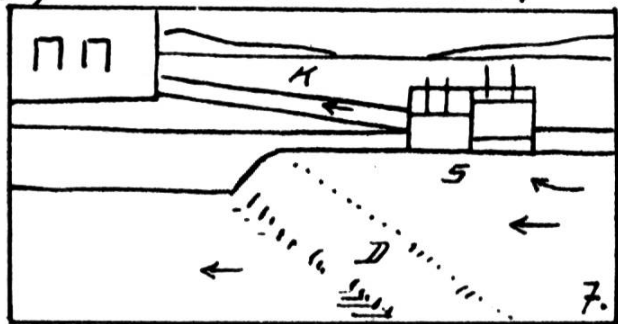
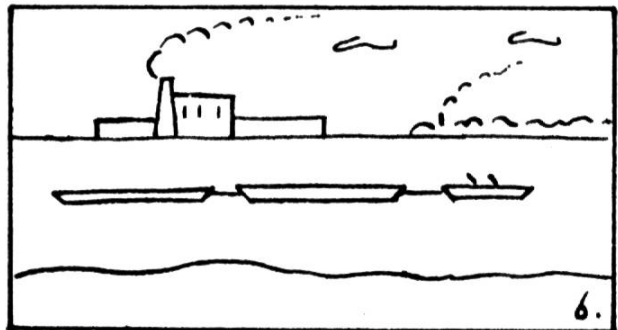
Der Weidling.



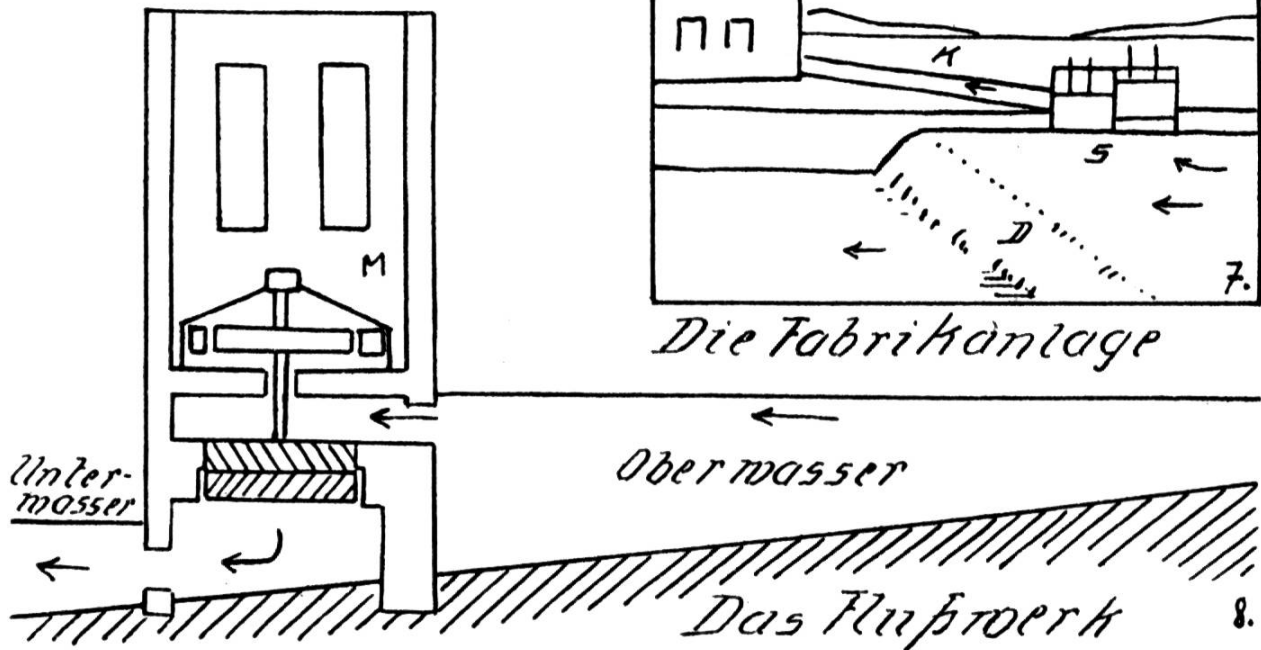
Das Paddelboot



Der Vergnügungsdampfer Kohlenschlepper

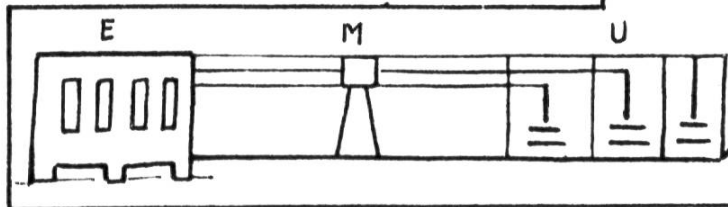
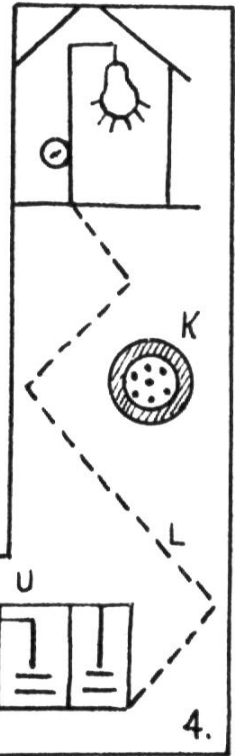
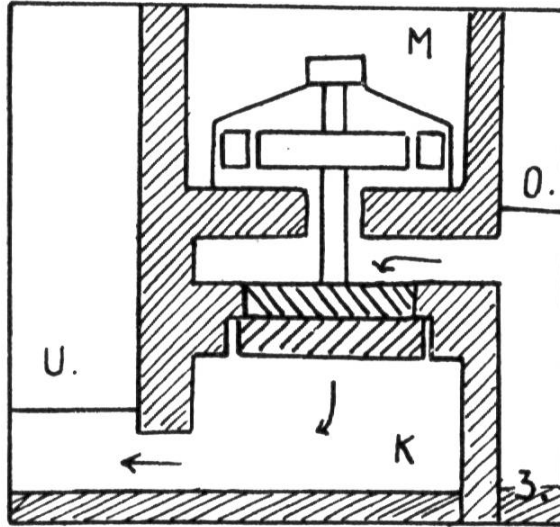
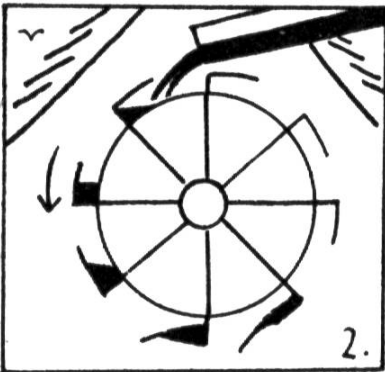
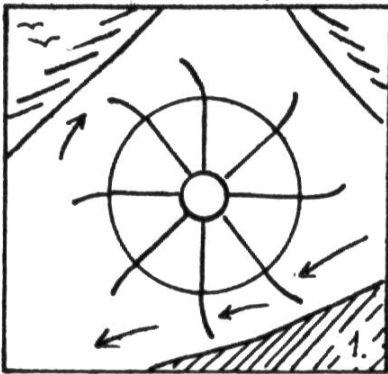


Die Fabrikanlage

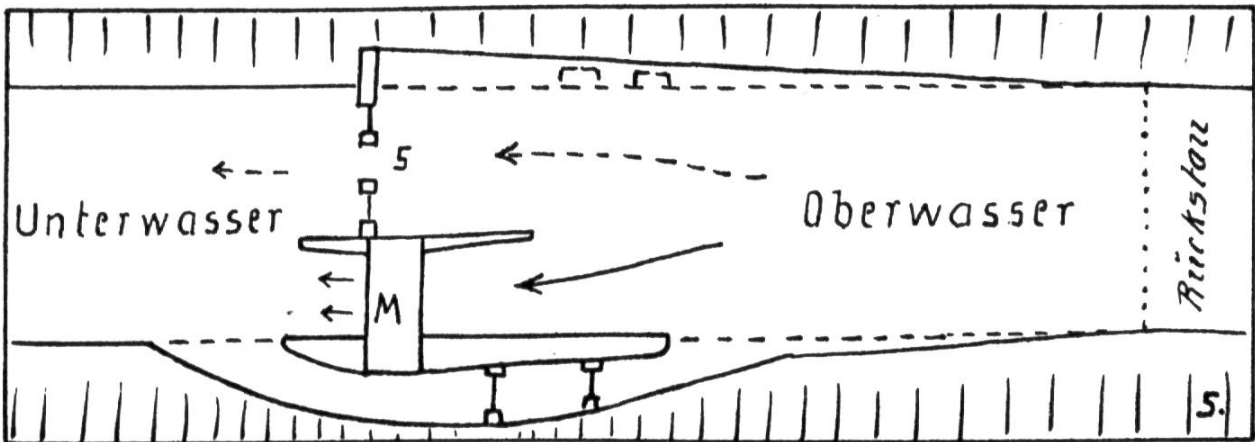


Das Flufkraftwerk.

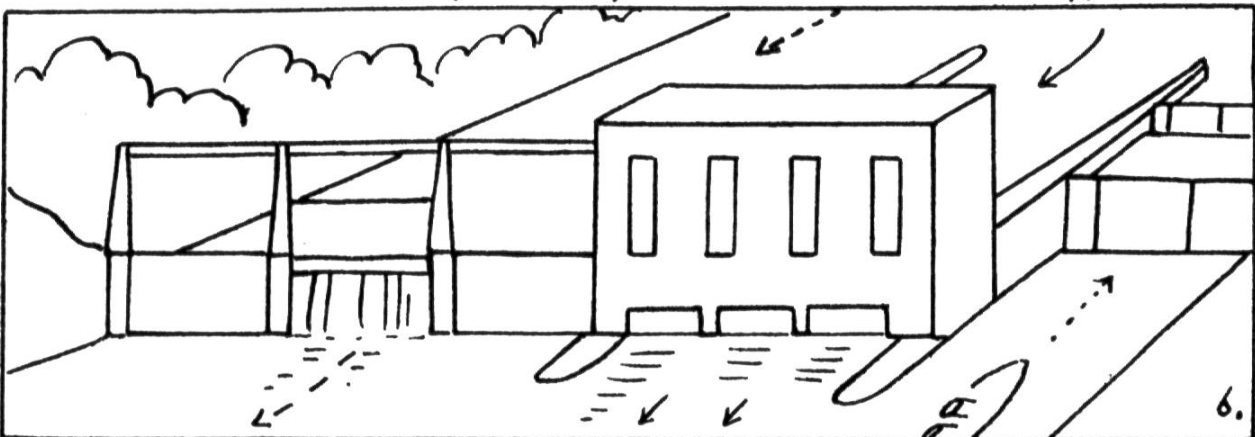
Blatt: 59.



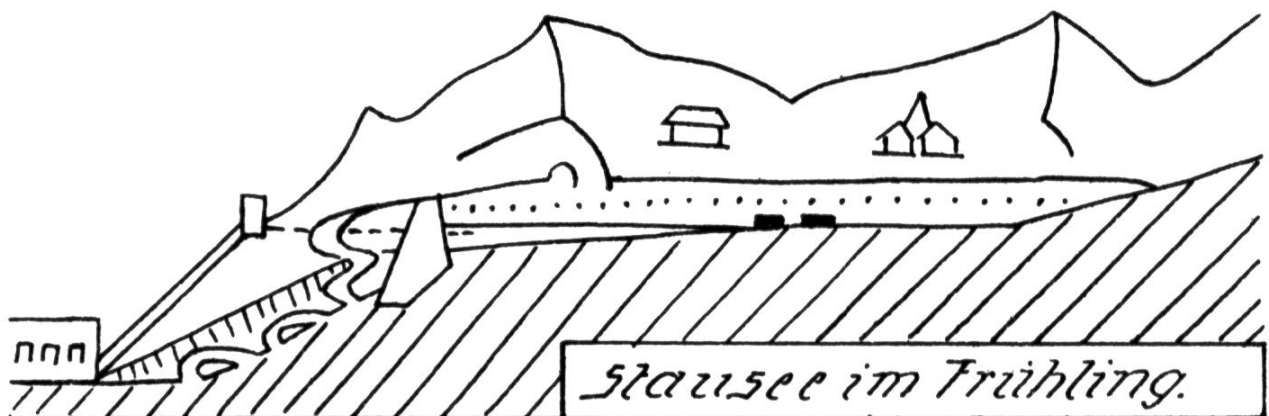
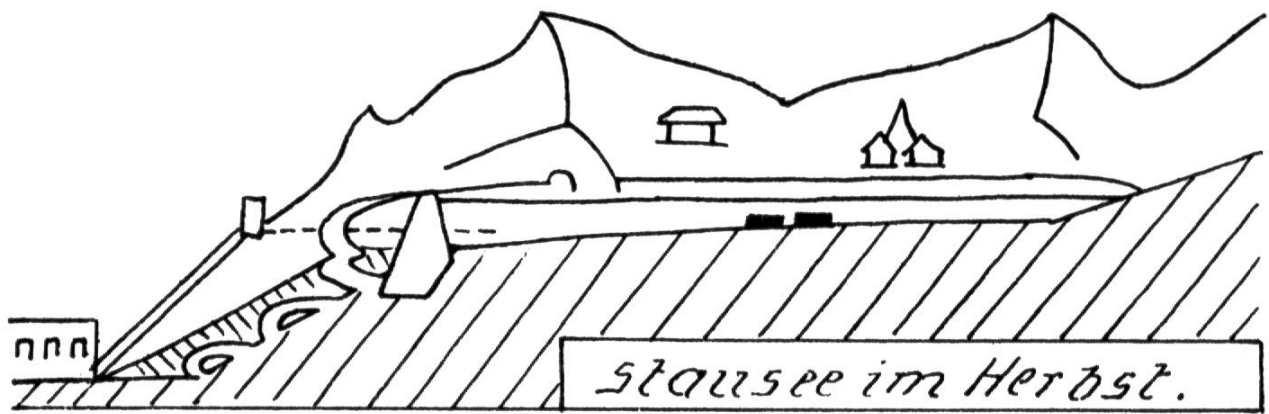
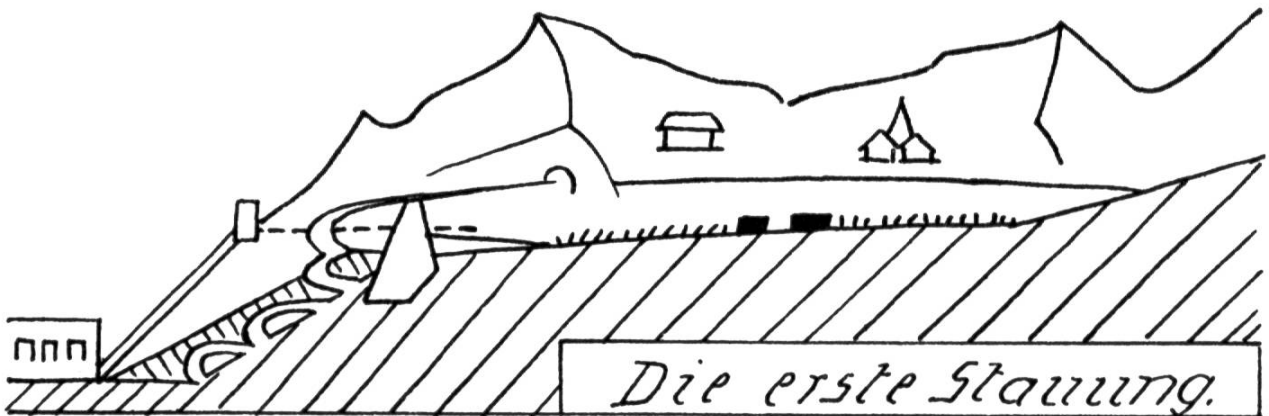
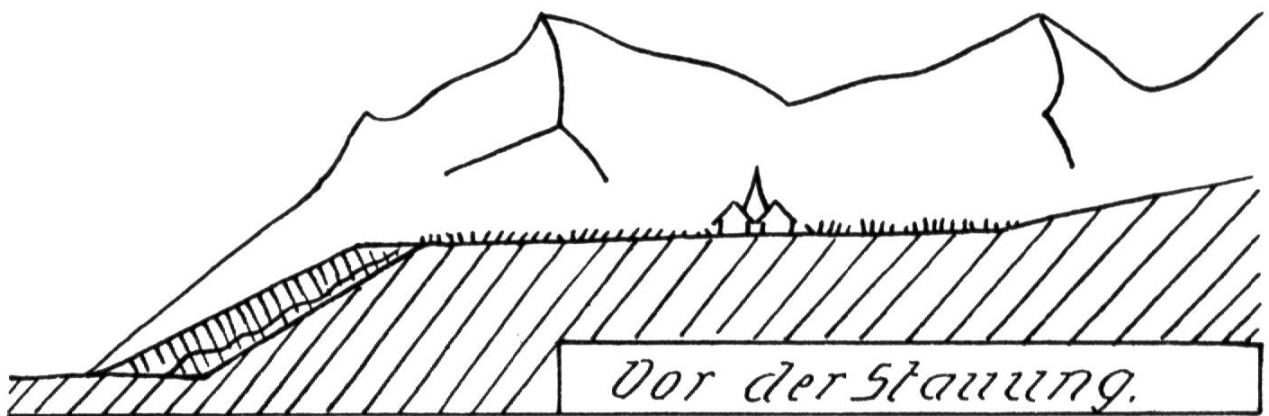
Mühlräder Turbine m. Dynamo Leuchtanlage



Plan eines Flufkraftwerkes m. Schiffschleuse

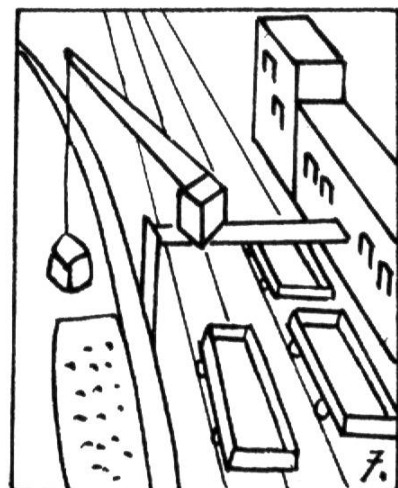
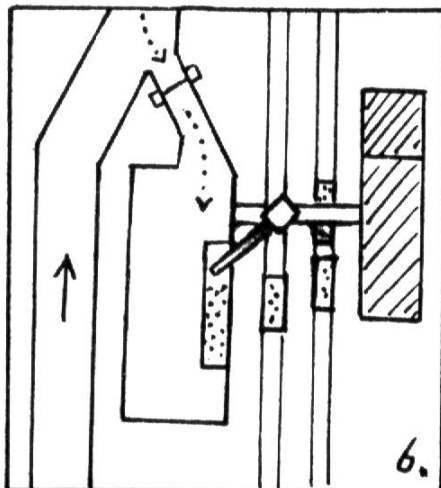
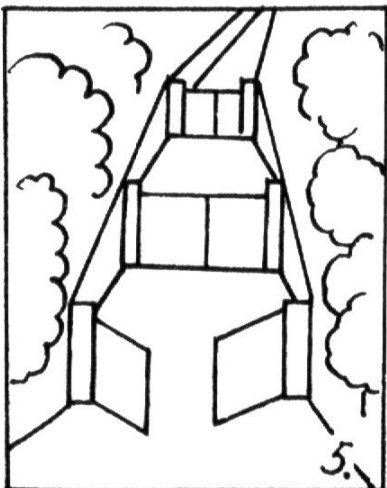
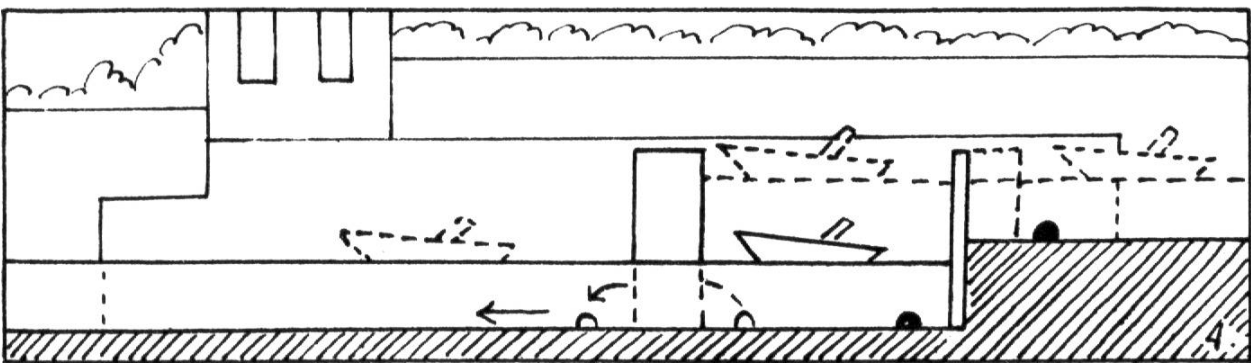
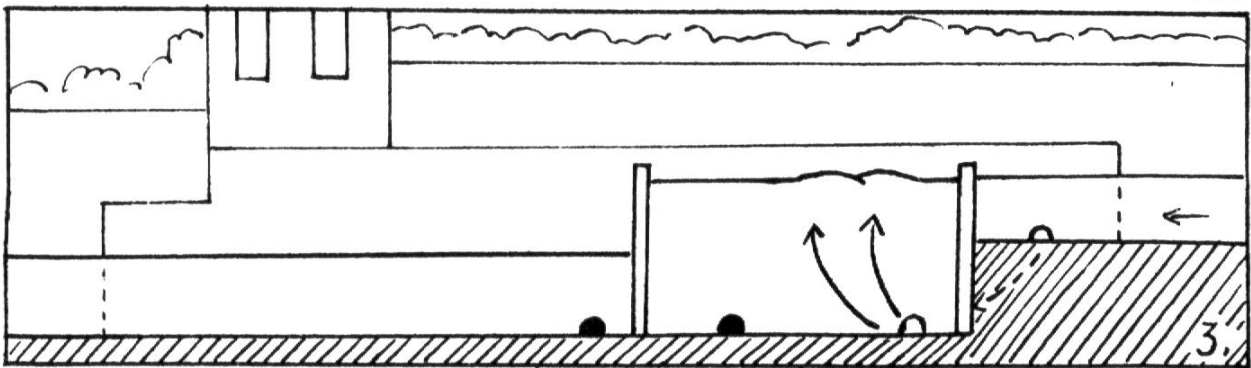
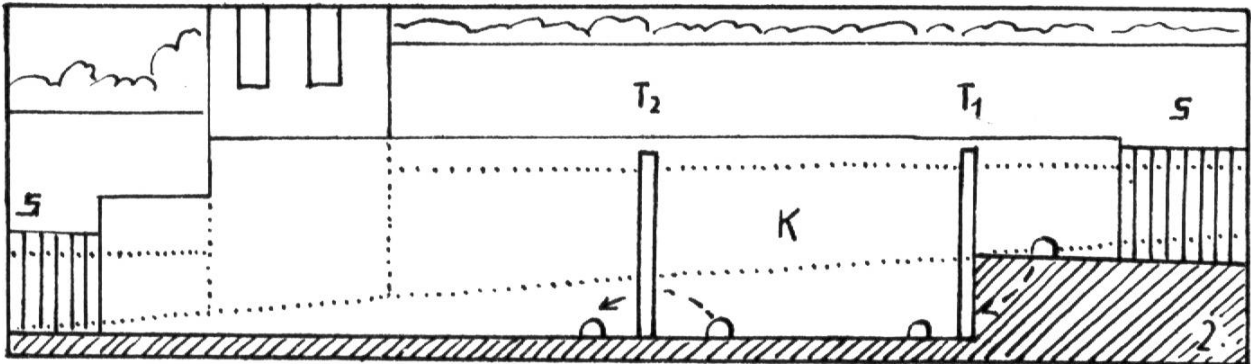
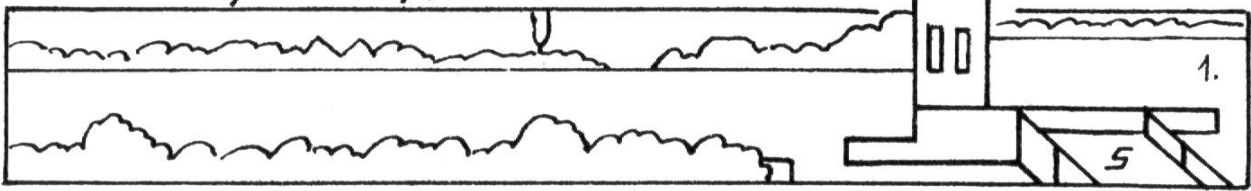


Stauwehr, Kraftzentrale, Schiffschleuse.



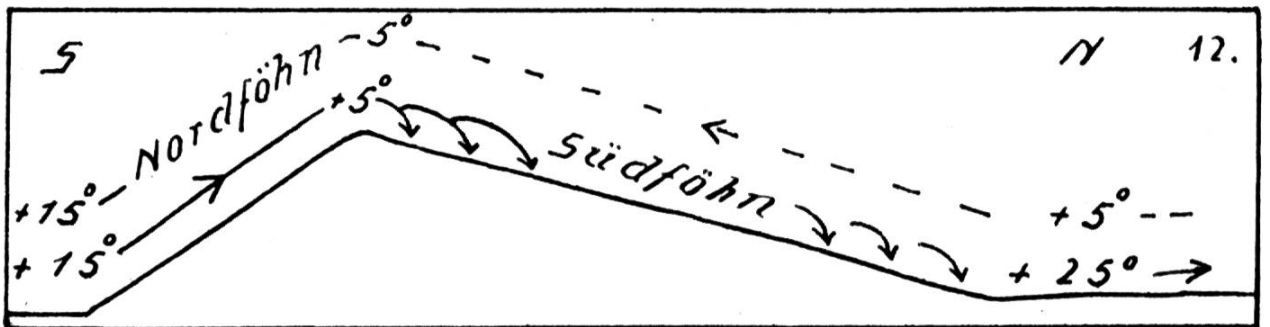
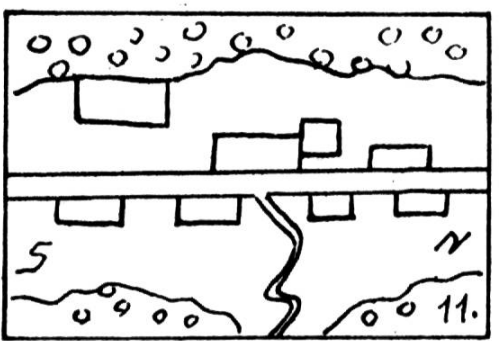
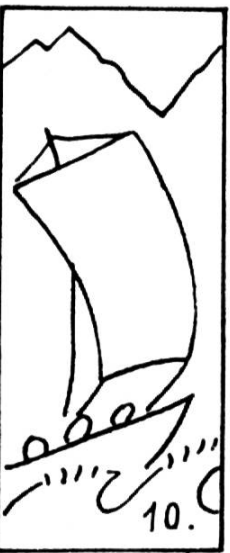
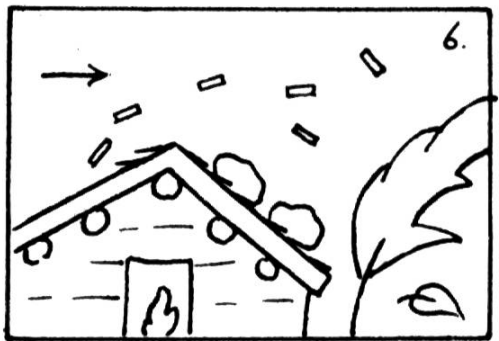
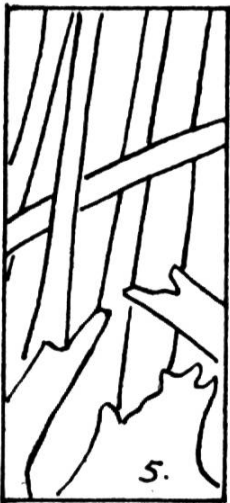
Die Flußschifffahrt.

Blatt: 61.

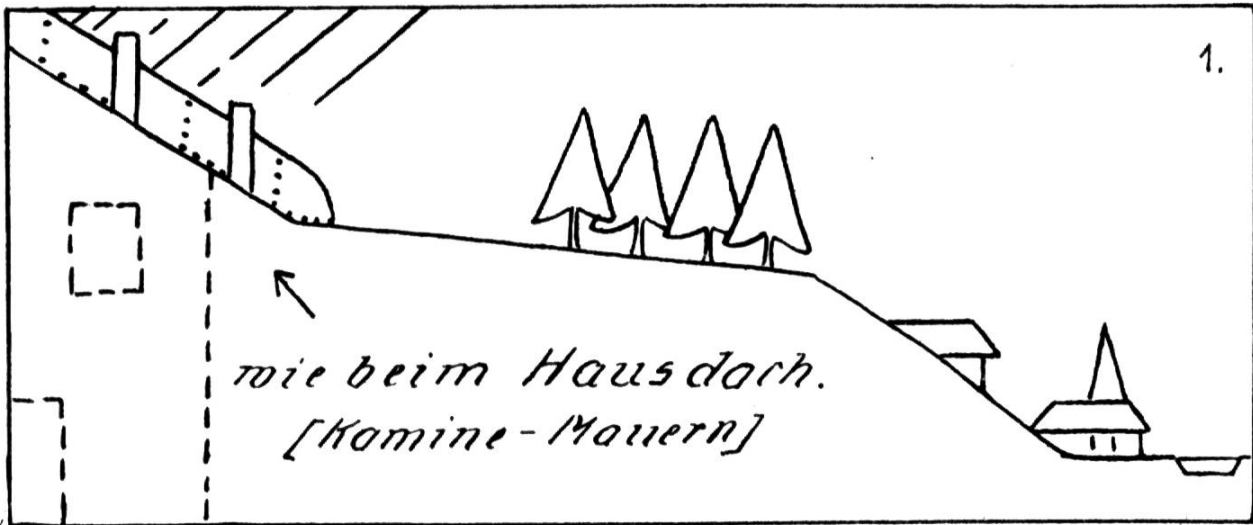


Der Föhn.

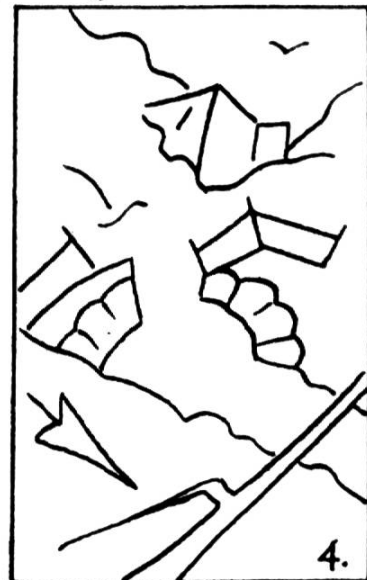
Blatt: 62.



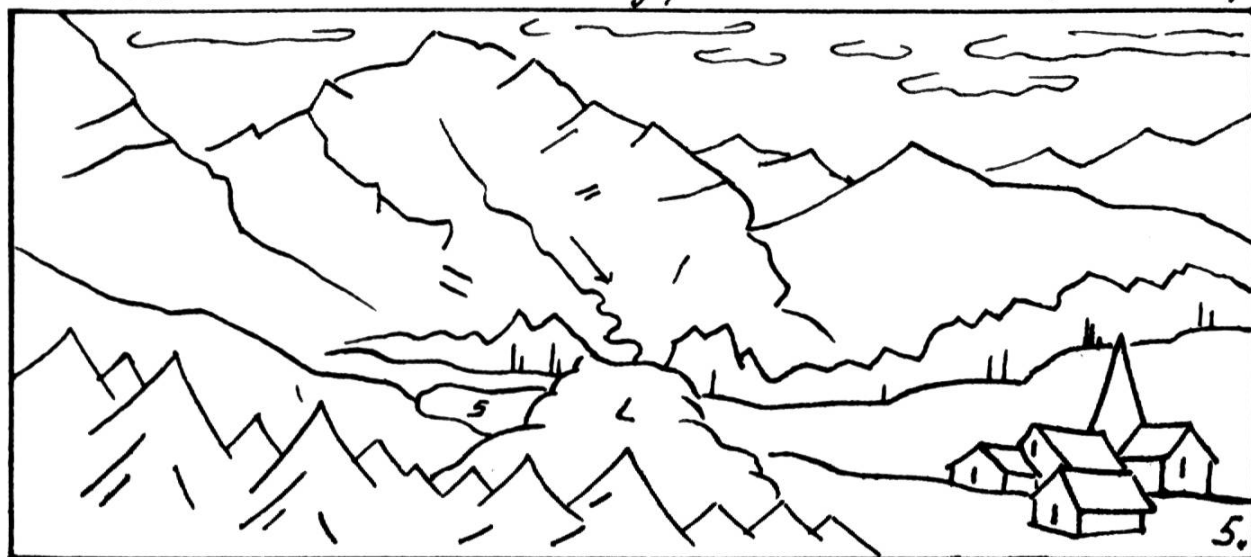
Die Lawine: Entstehung, Wirkung. Blatt: 63.



Ihre Entstehung und ihre Bekämpfung.



Lawineneinbruch am Hang, im Wald tobel, im Dorf.



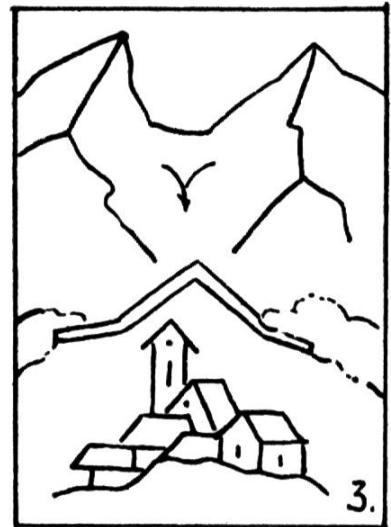
Als Talsperre und Frühlingsbringer.



1.



2.



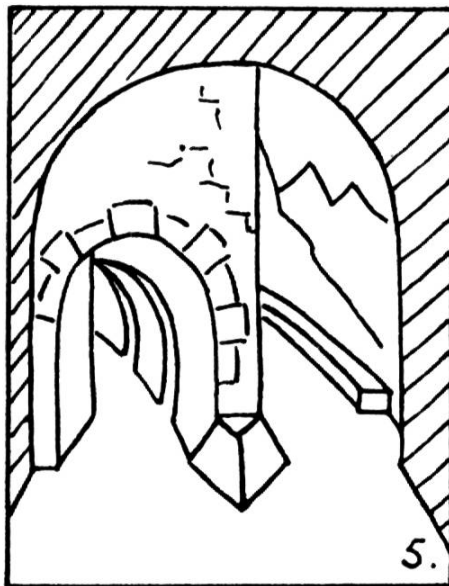
3.

Mauern-Bannm. Heilmauer

Spernmauer



4.

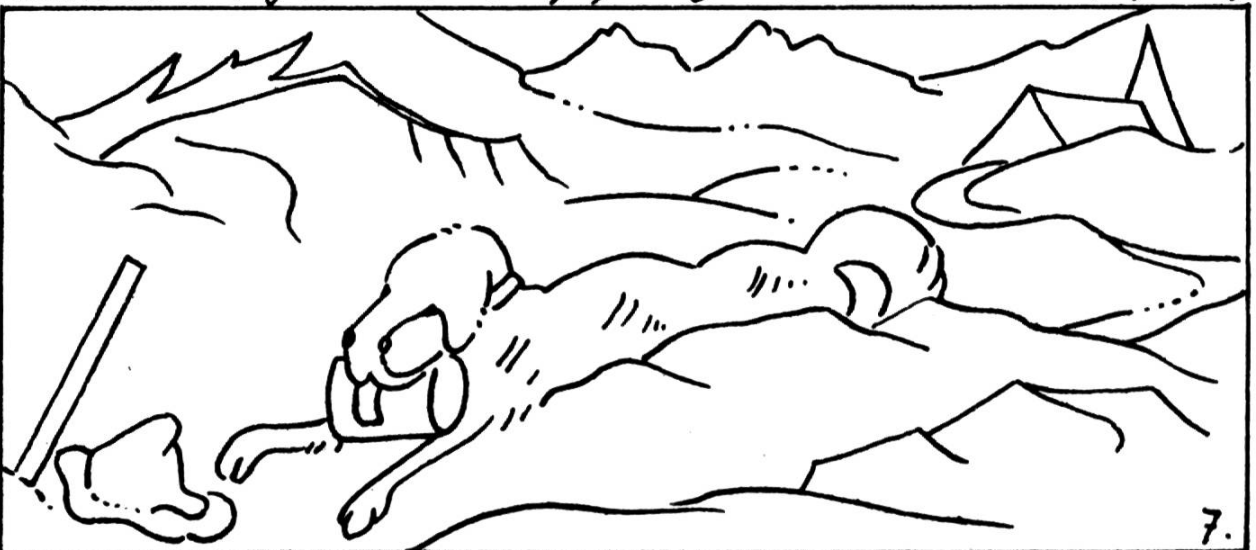


5.



6.

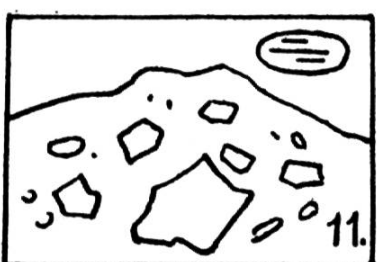
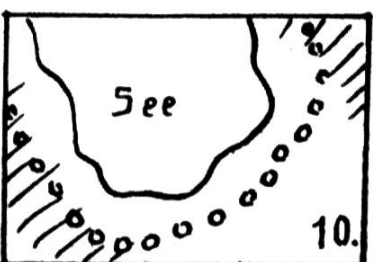
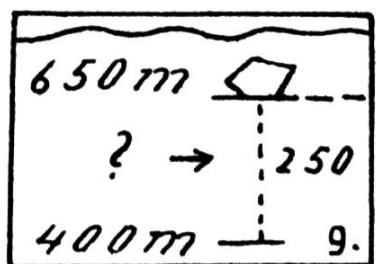
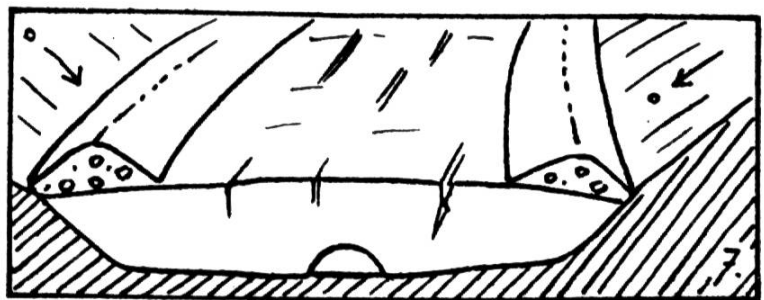
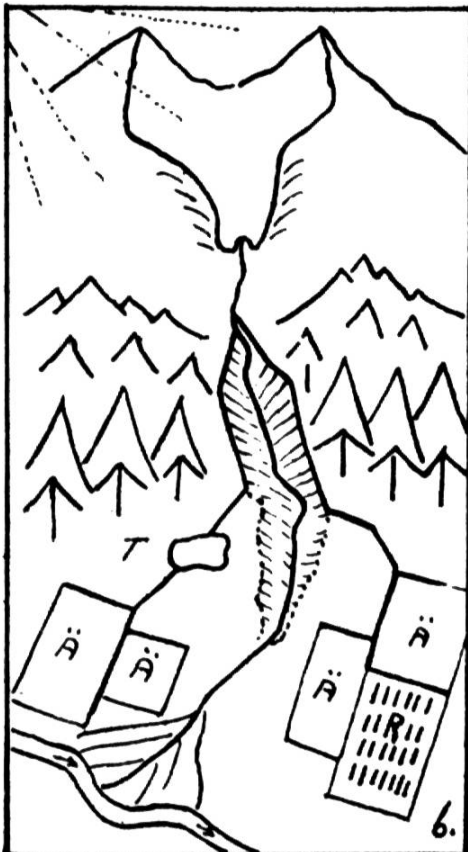
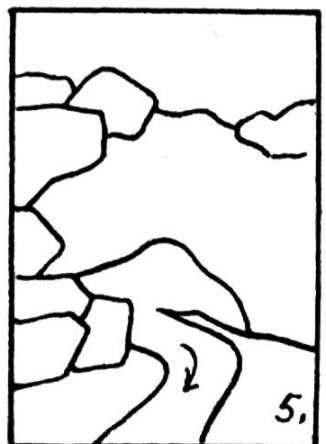
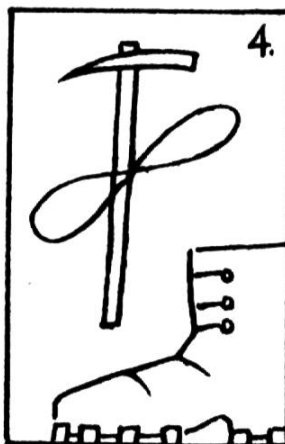
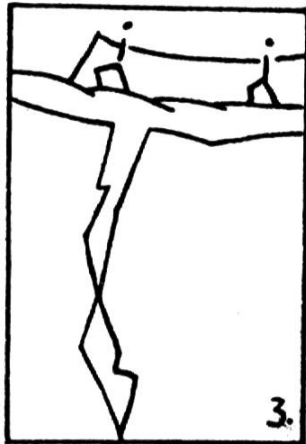
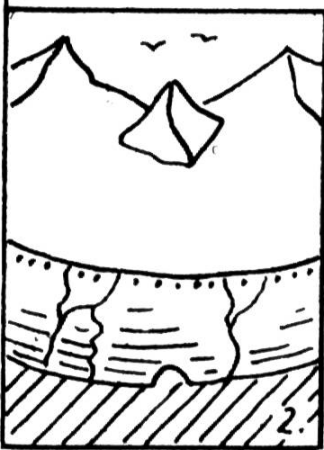
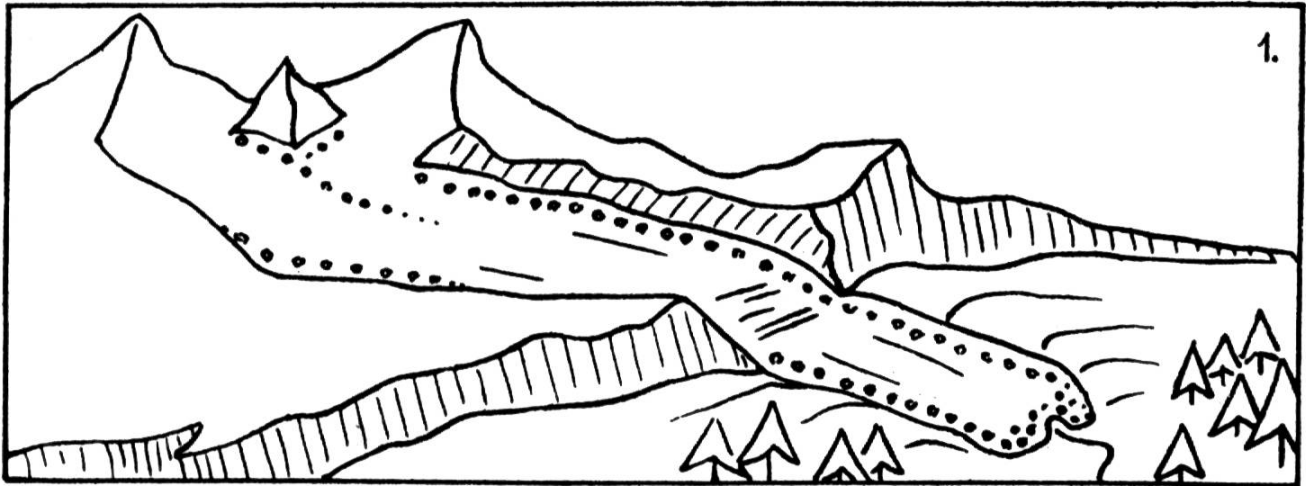
Lawinengalerie Doppelgalerie Schneeflug



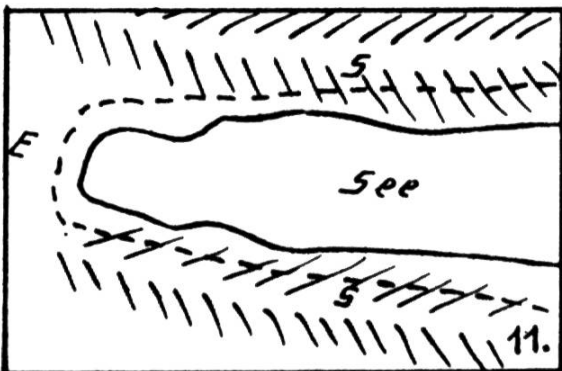
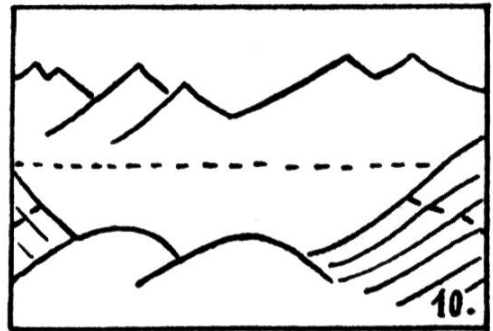
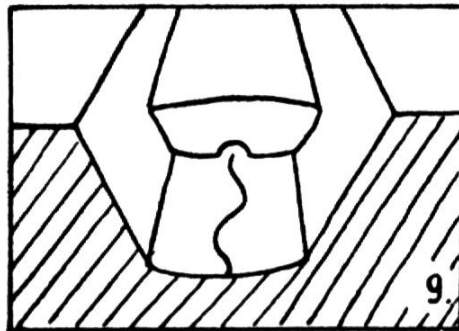
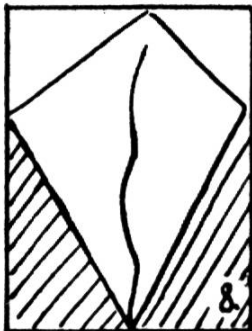
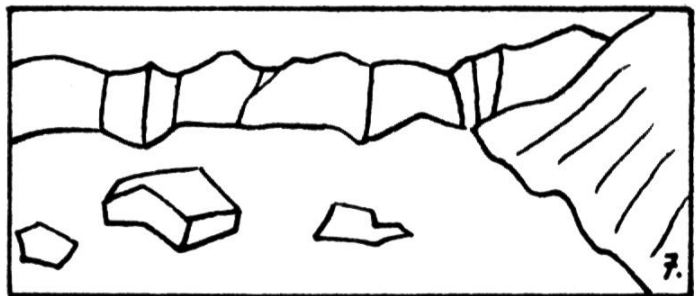
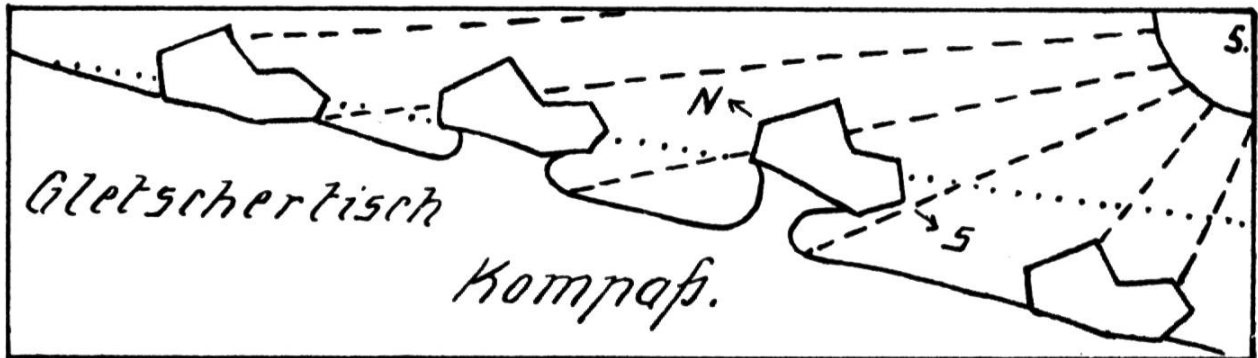
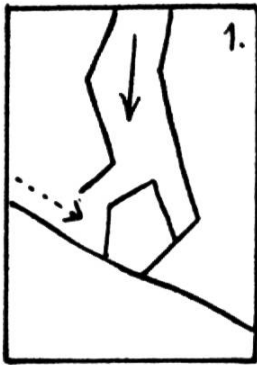
7.

Bernhardinerhund und Hospiz.

Der Gletscher: Entstehung, Aussehen. Blatt: 65.

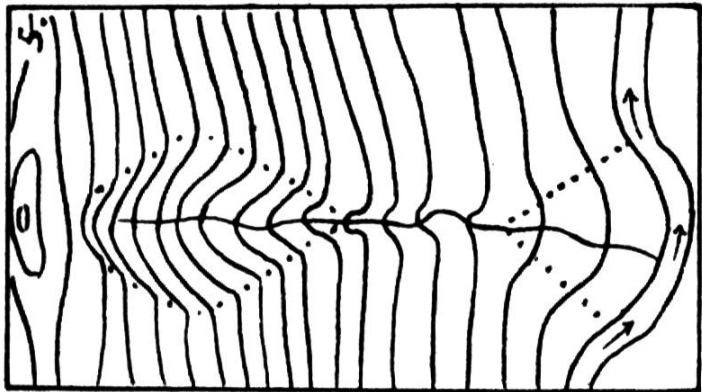
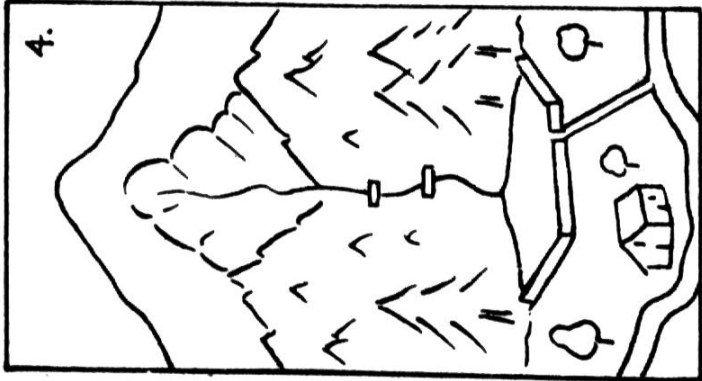
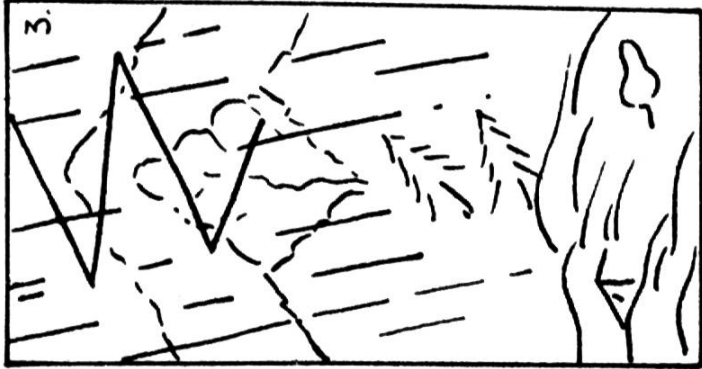
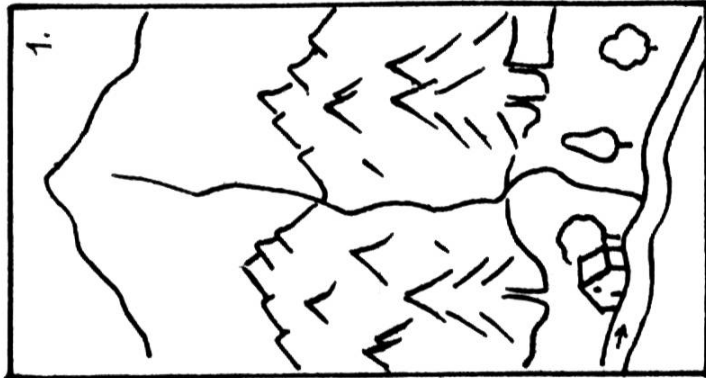


Der Gletscher: Erscheinungen, Talbildung. Bl: 66.

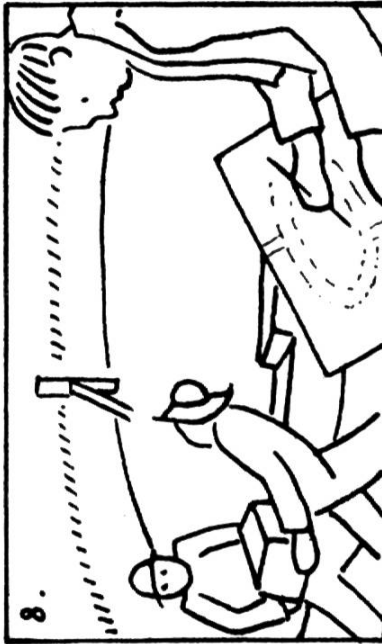


Die Runse.

Blatt: 67.



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

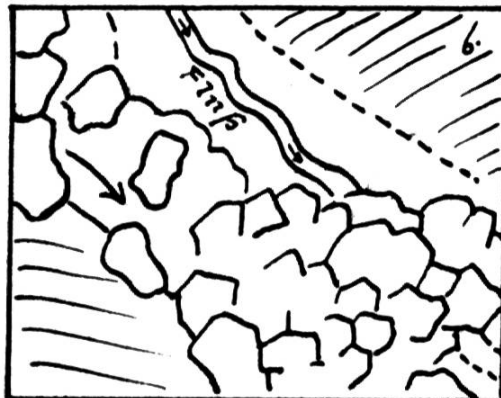
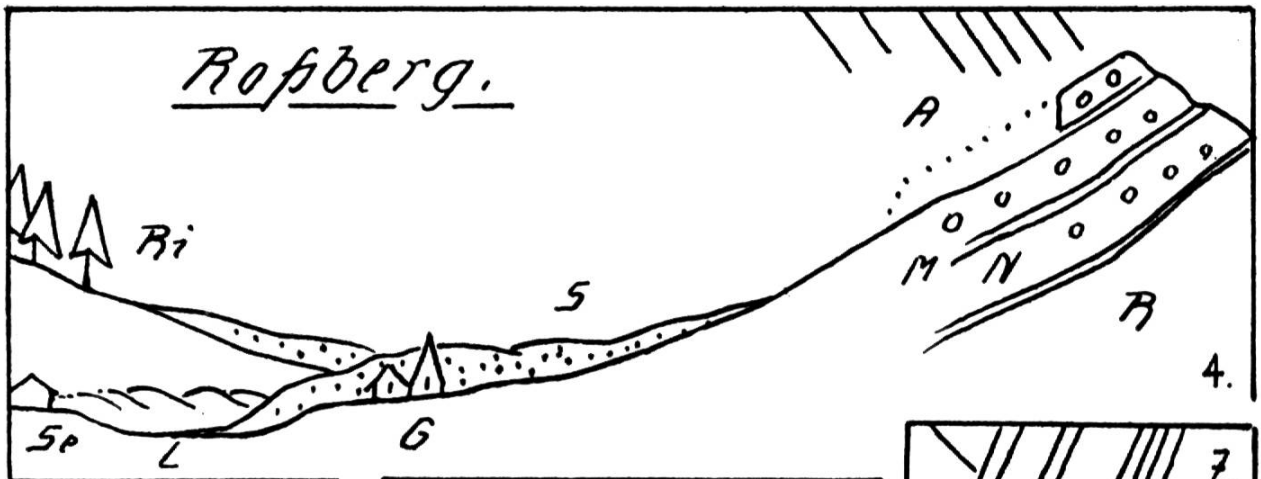
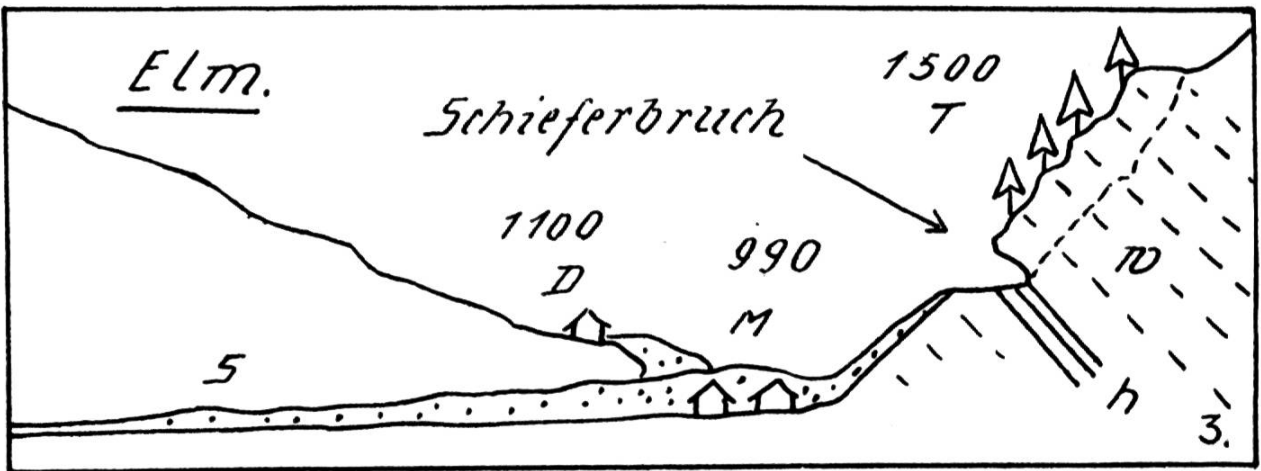
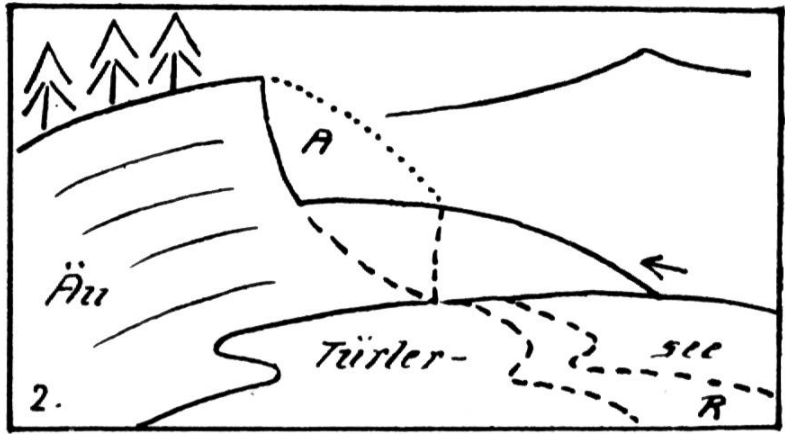
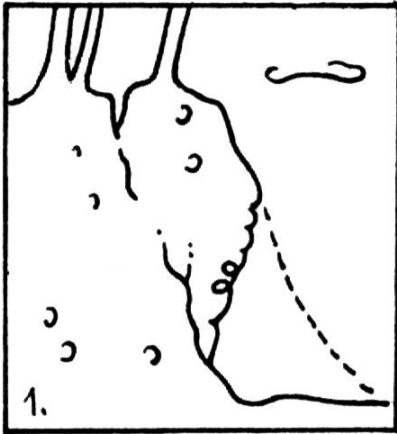


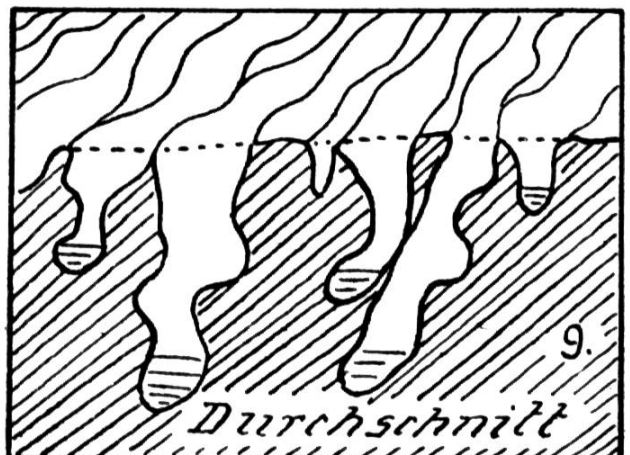
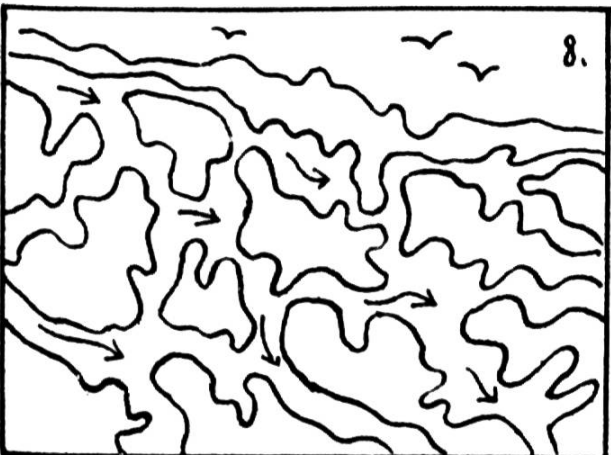
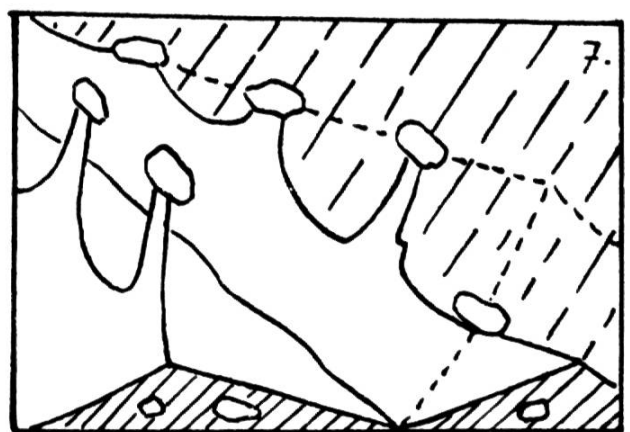
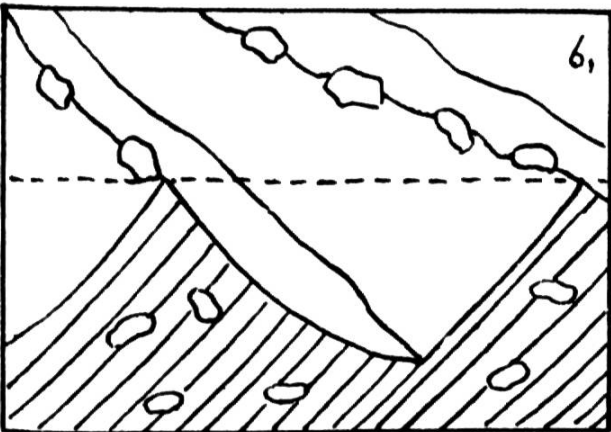
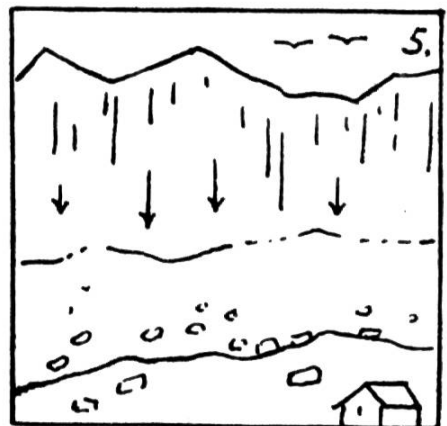
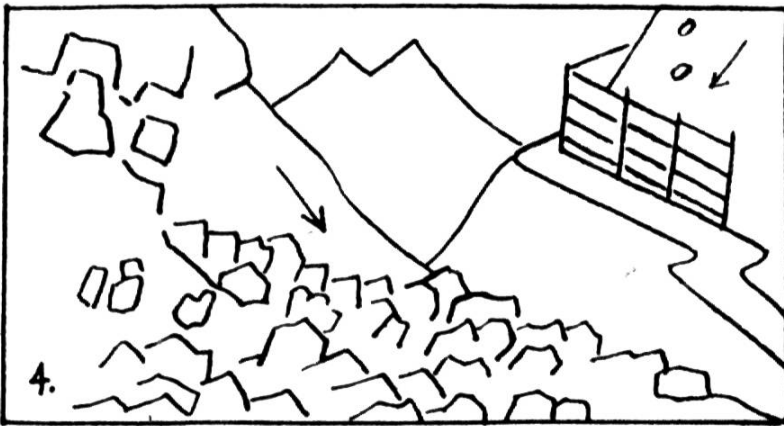
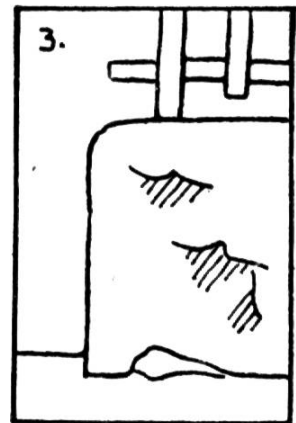
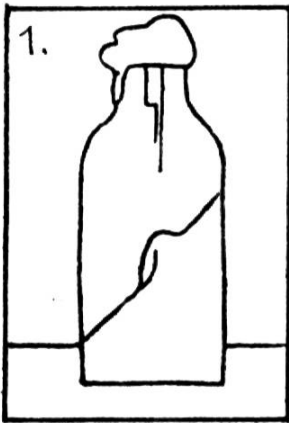
Sagenhafter Held.

Längsschnitt (Verbauung). Runsen bekämpfer.

Bergstürze.

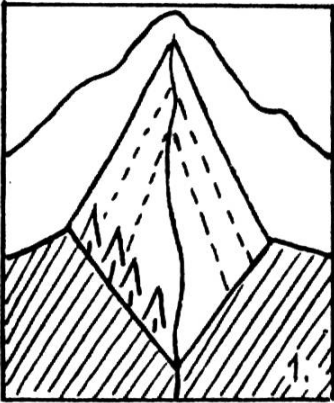
Blatt: 68.



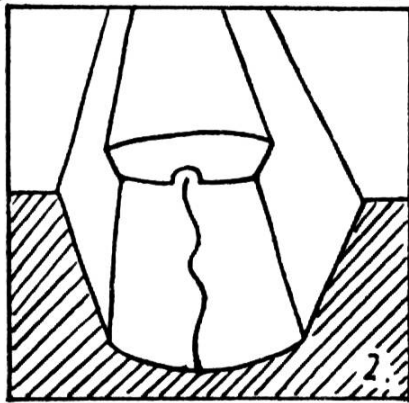


Talbildung; Ausfüllung.

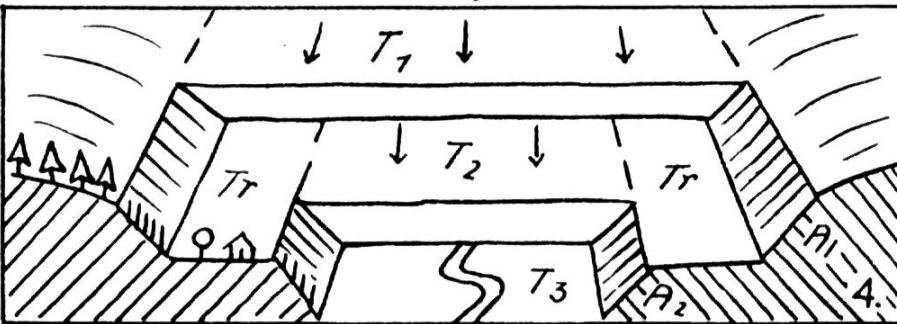
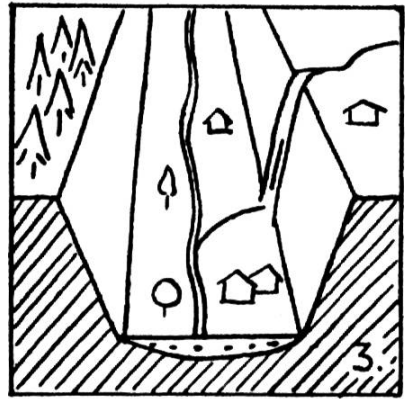
Blatt: 70.



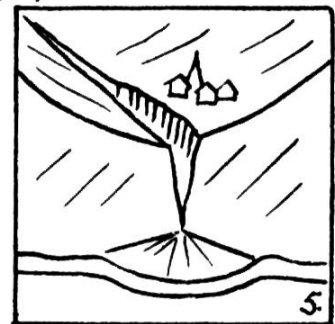
Kerbtal



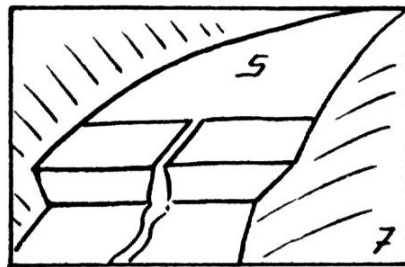
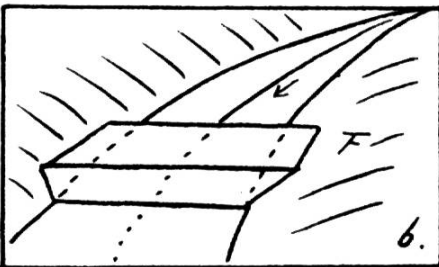
Trogtal: Entstehung, heute.



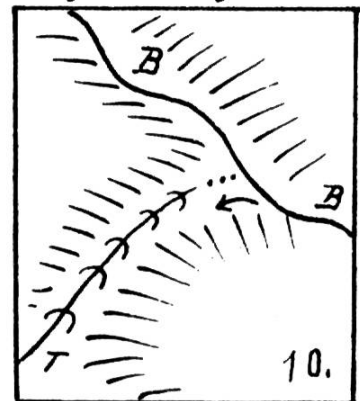
Terrassental: Entstehung.



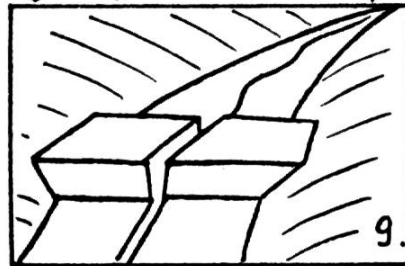
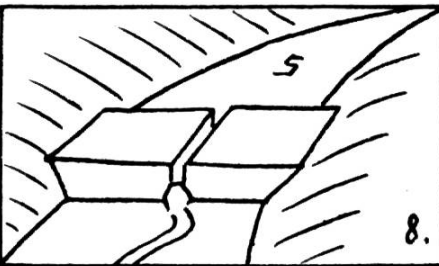
Vereinigung Trogtälern.



Die Schlucht: Felsriegel, Stausee,

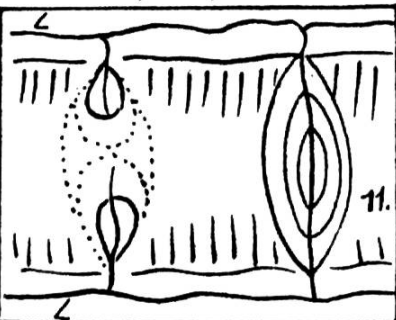


Rückm. Abgrabg.

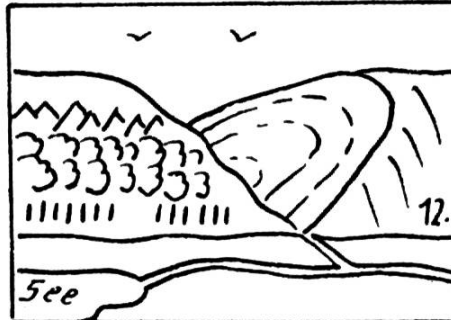


Abflurinne,

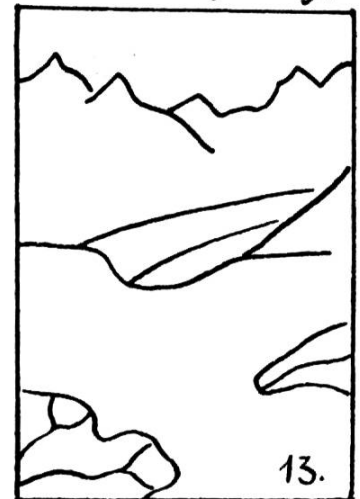
Schlucht.



Klusenbildung.



Klus (Ansicht) Anschwemmungen.



13.