

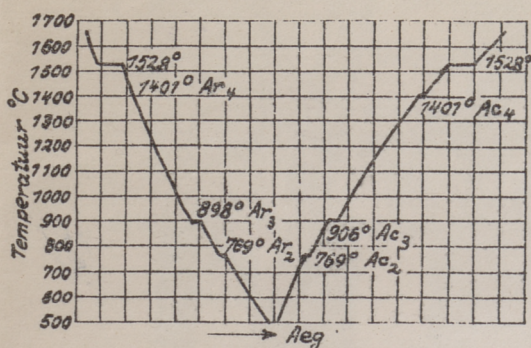
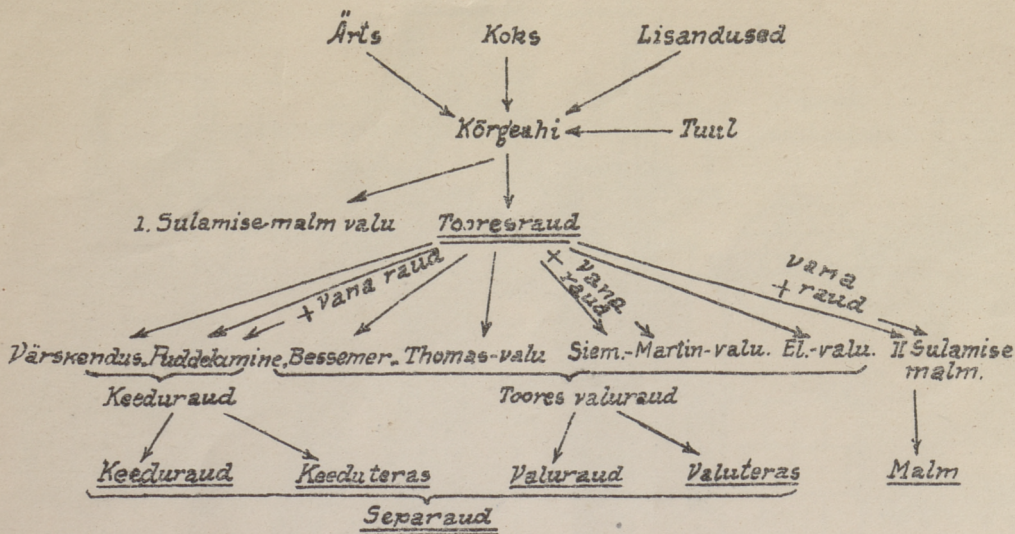
EC61
1953

1 er

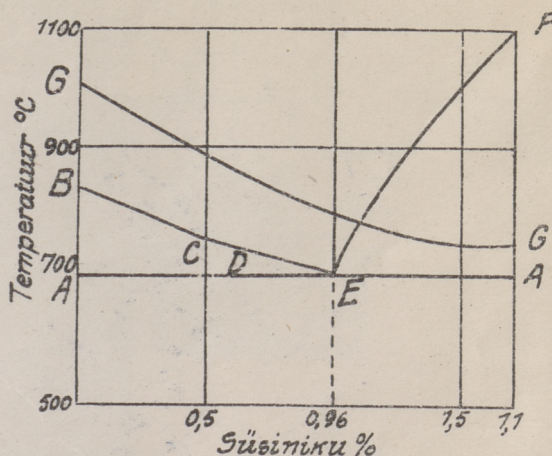
H. Reier

Mehaanilise tehnoloogia joon.

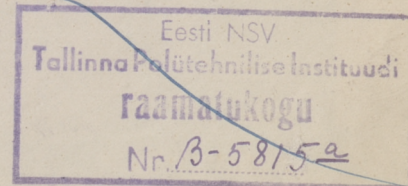
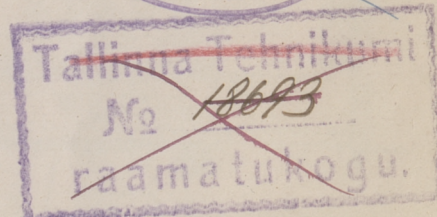
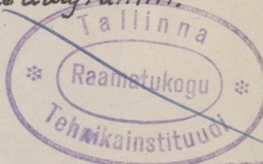
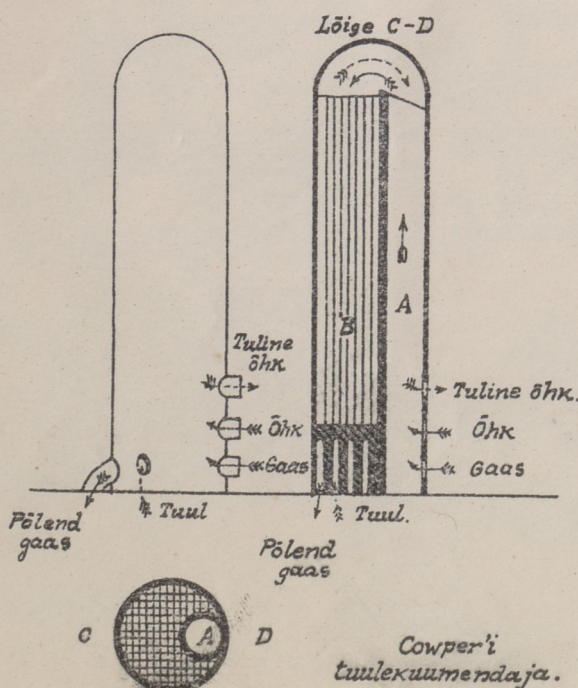
E 12993



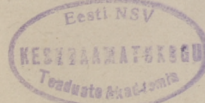
Skeemiline raua jahtumise (vasakul), ja kuumendamise (paremal) diagramm.



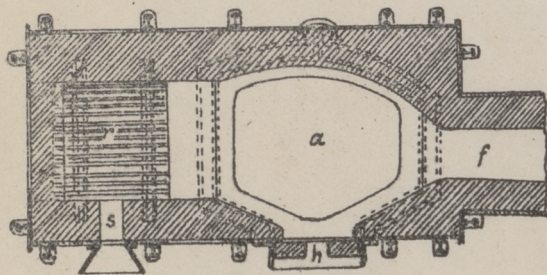
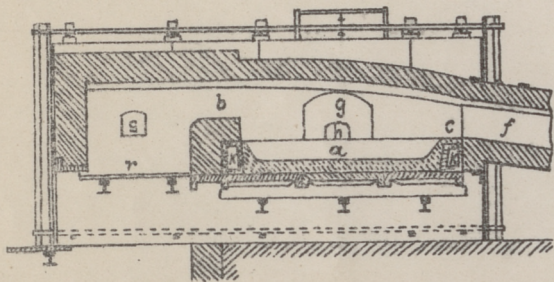
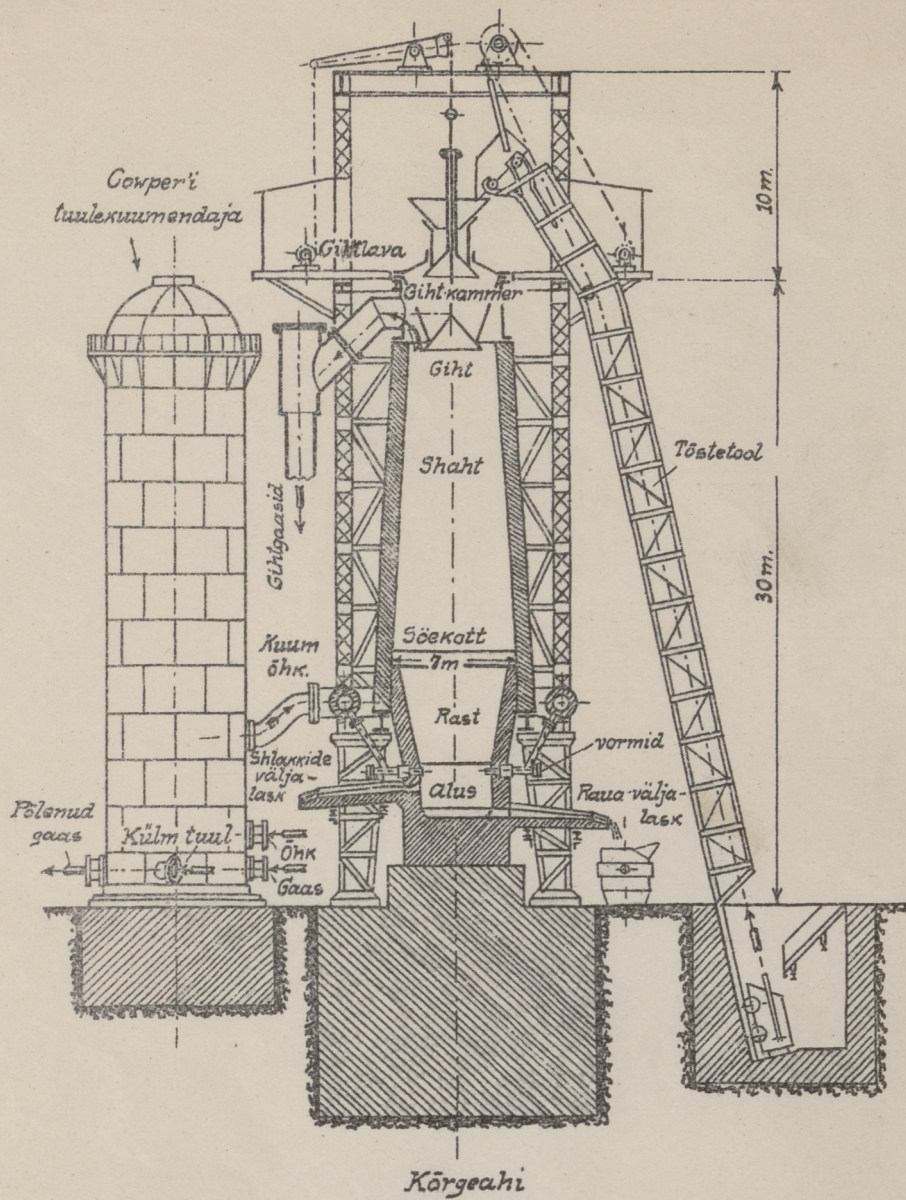
Karastustemperatuuride diagramm.



EC 61
1953

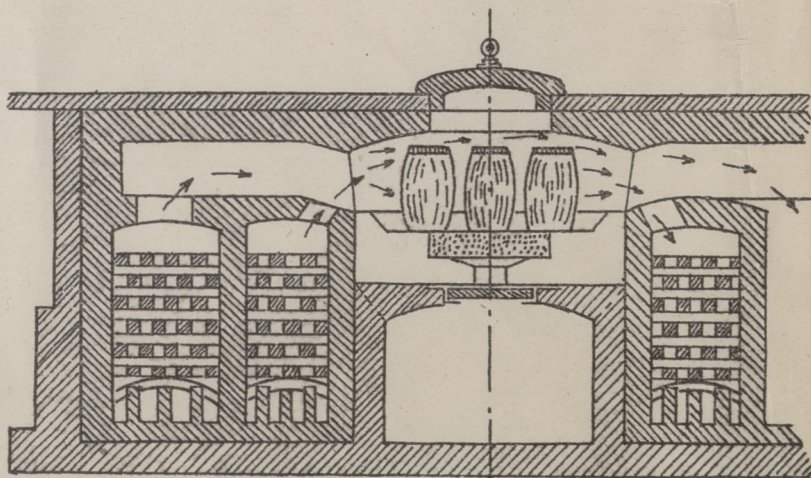


8381

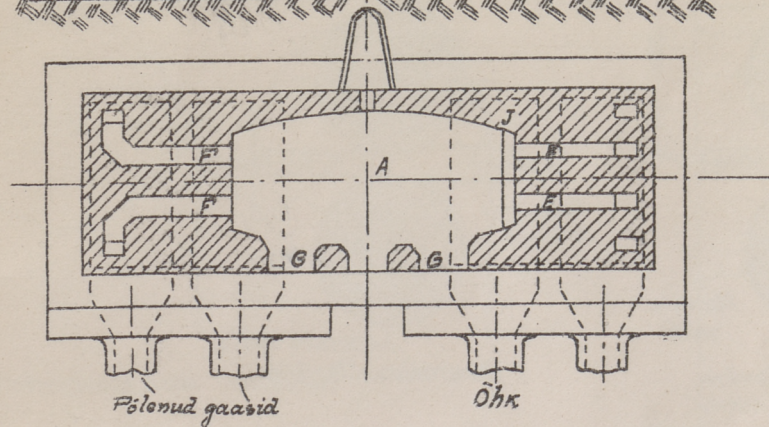
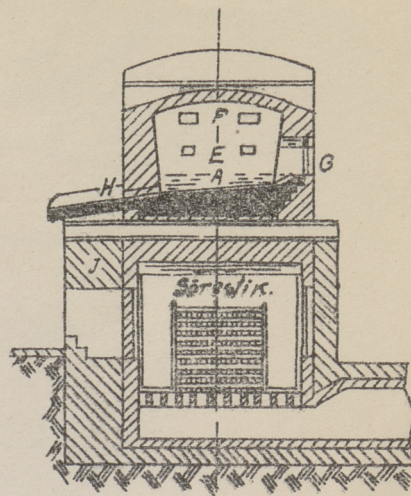
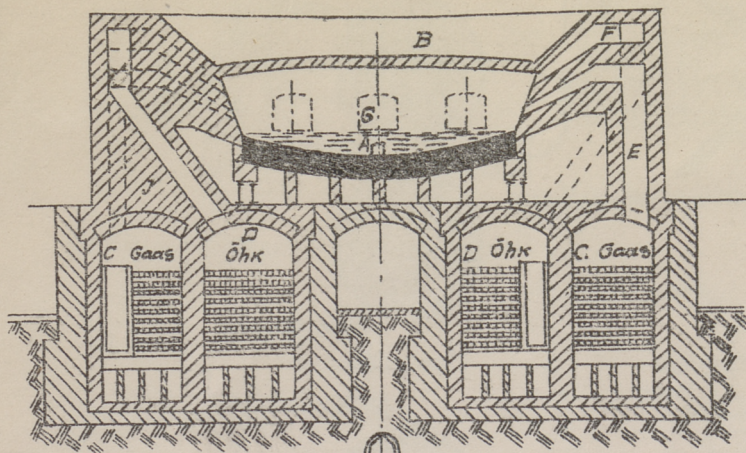


Puddelahi.

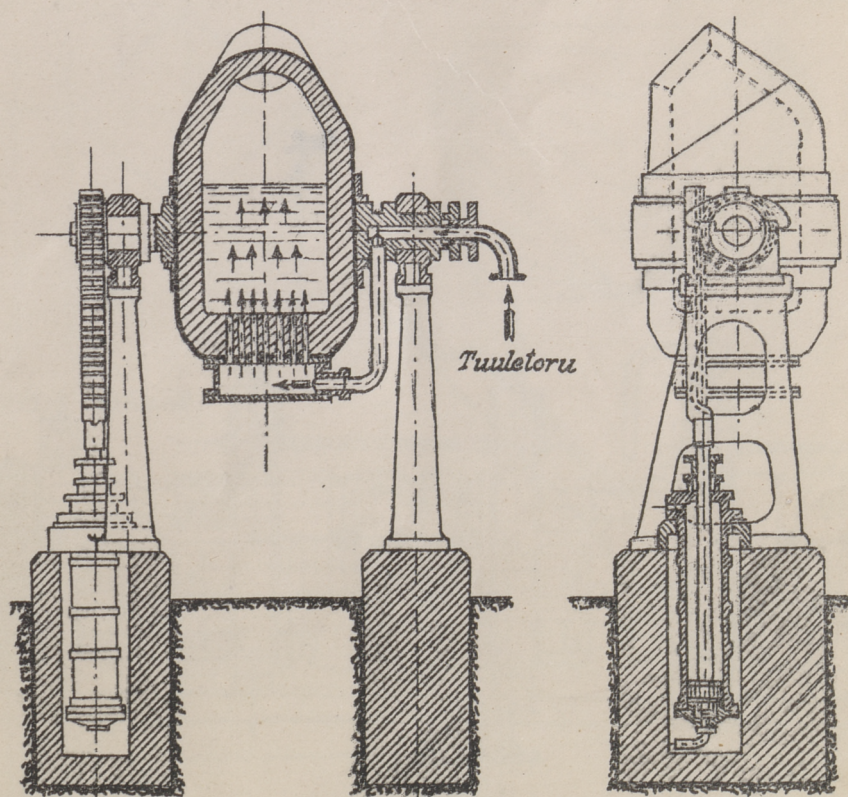
a) kolle, b) tulesild, c) vursi sild, f) vursi
g) sisselasku uks, h) töötamise uks, r) vee-
jahutus, r) Rost, s) tuleuks.



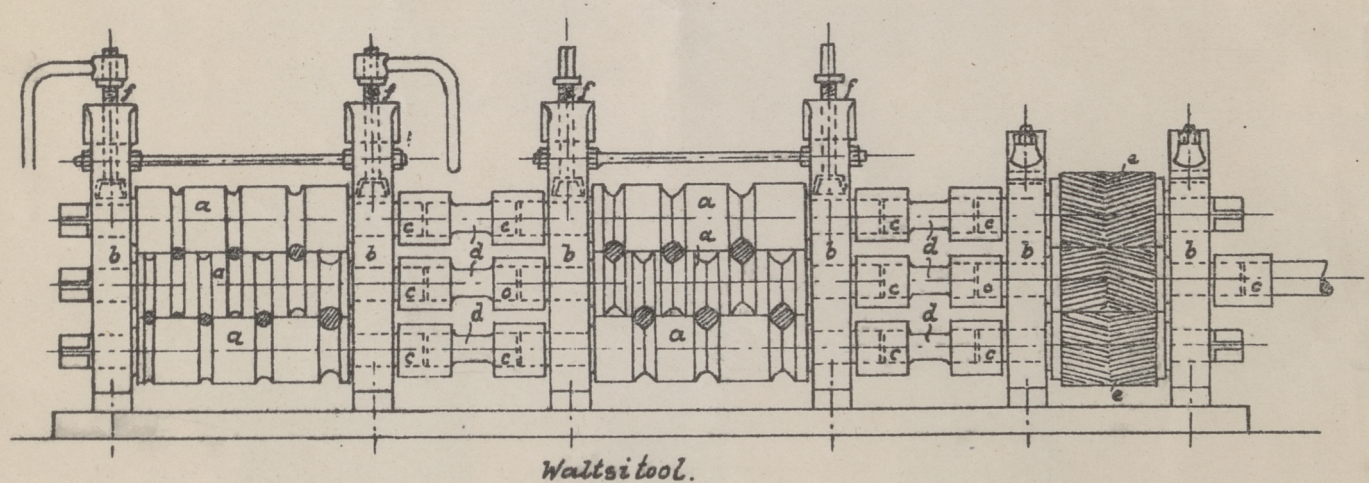
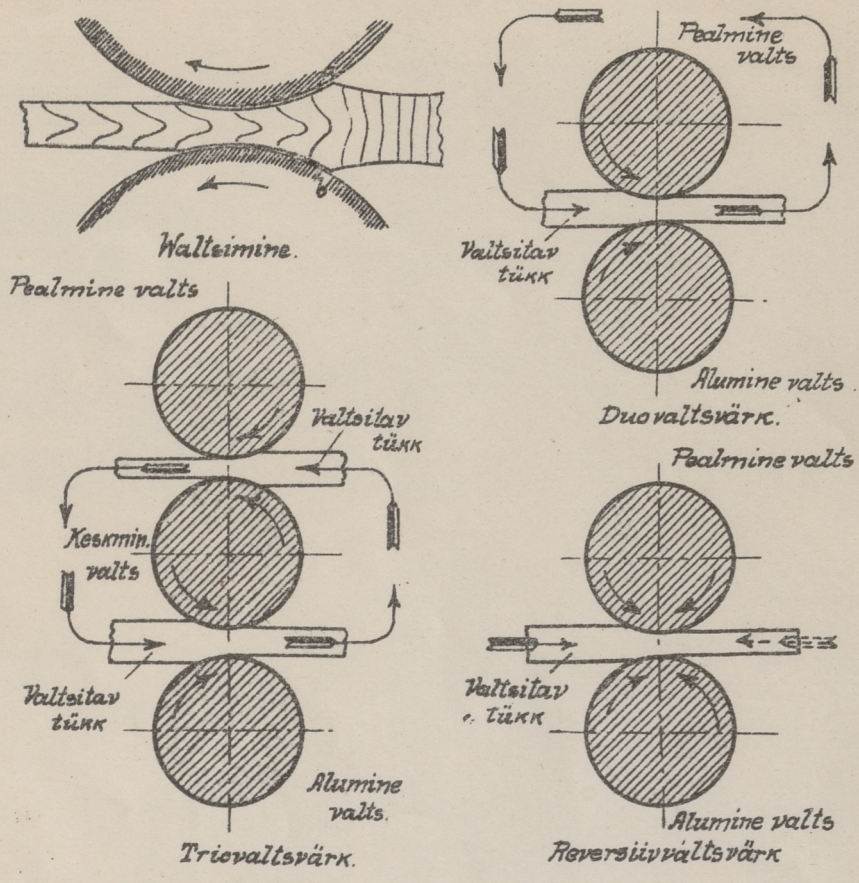
Tiigelahi.

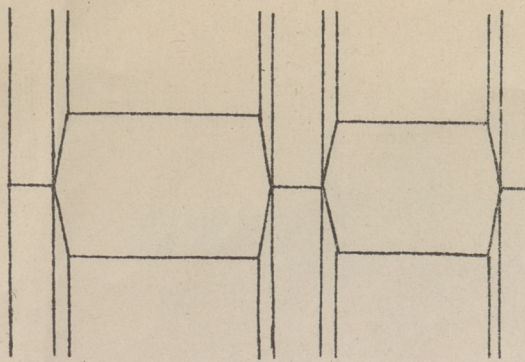


Siemens Martinahi
Baltreuehati
jargi.

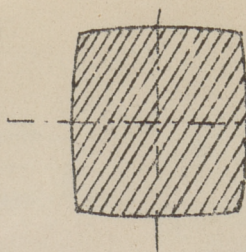


Bessemeri birn.

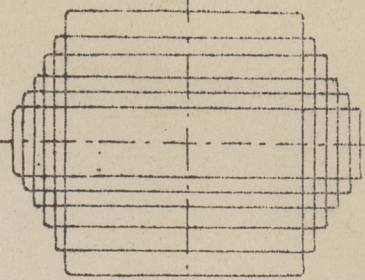




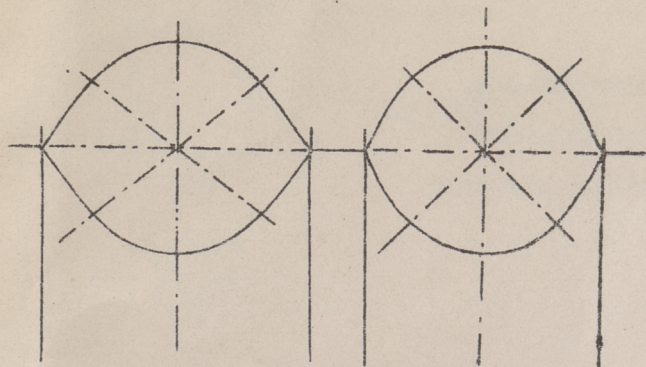
Lahtine kalüber.



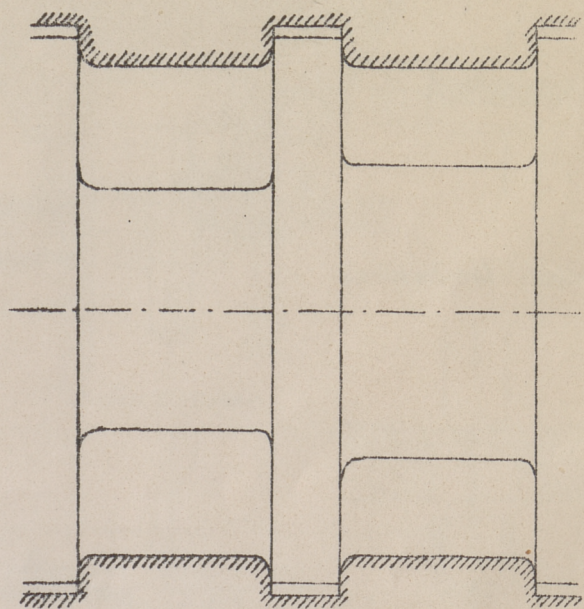
Kantrava proofil.



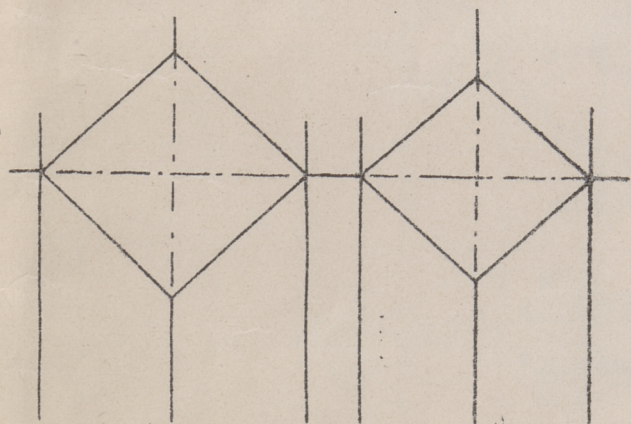
Lamerava kalübrid



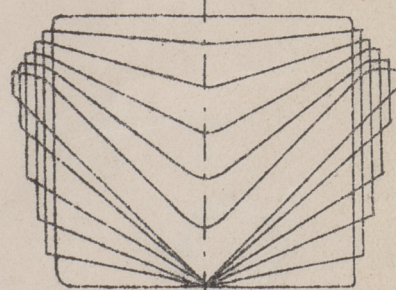
Ümmarguse rava kalüber.



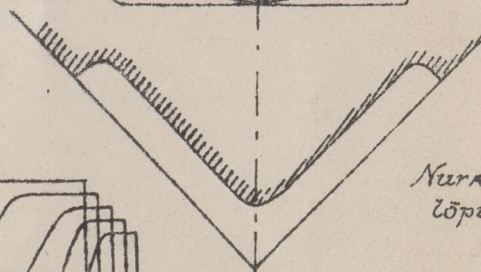
Sulatud kalüber.



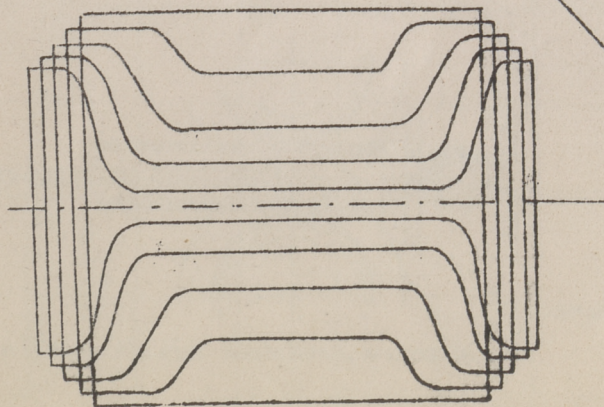
Rantrava kalüibri valtsid.



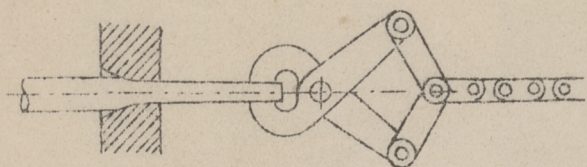
Nurava kalübrid



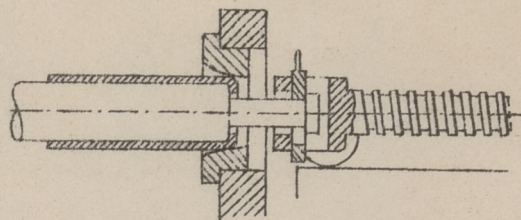
Nurava lõpukalüber.



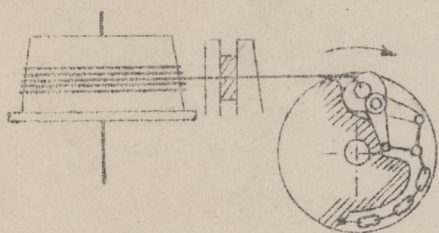
Doppel Traua kalübrid.



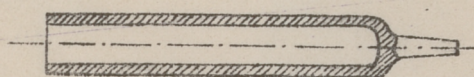
Traadi tõmbe tangid.



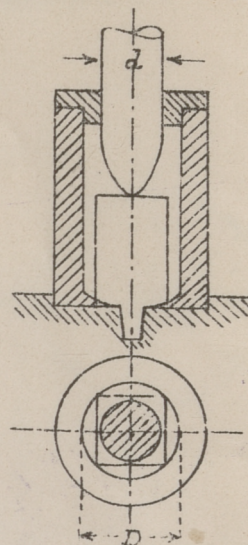
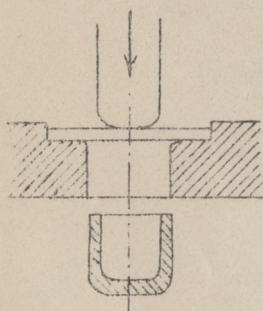
Toru tõmbamine läbi silma.



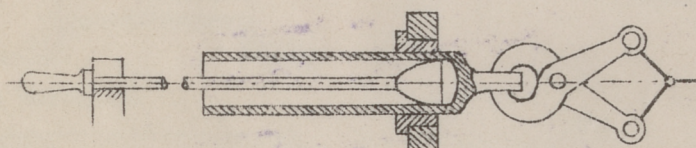
Traadi tõmbepink.



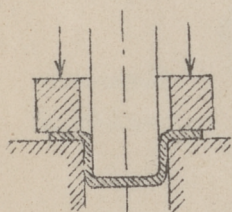
Toru tõmbamiseks pressitud
blokk.



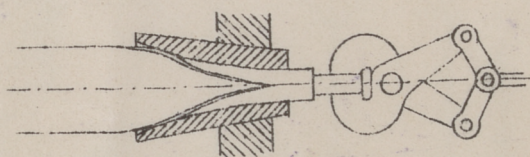
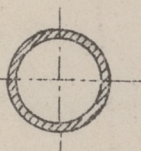
Torude pressimine
chrhanali viisi järgi.



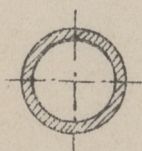
Toru tõmbamine läbi silma.
ületorni.



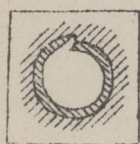
Toru tõmbamine
plekist



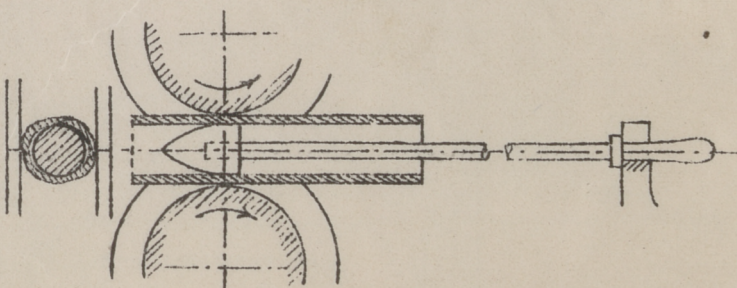
Keedetud torude tõmbamine.



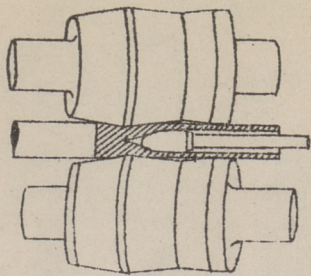
Üleserva
keedetud toru.



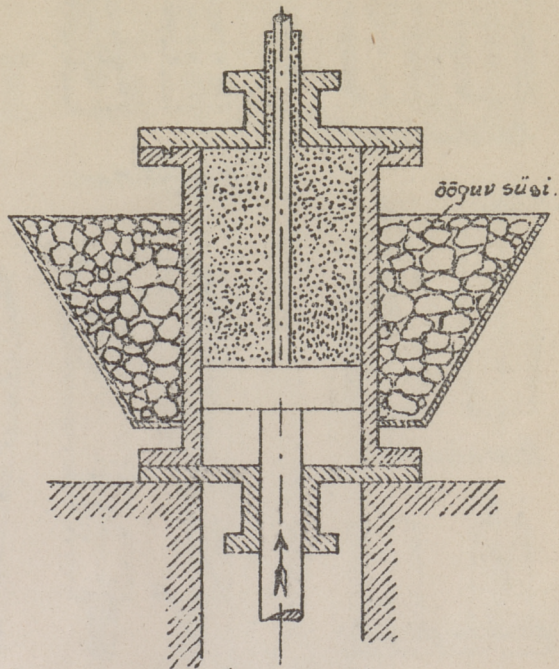
Servade
ettevalmistamine.



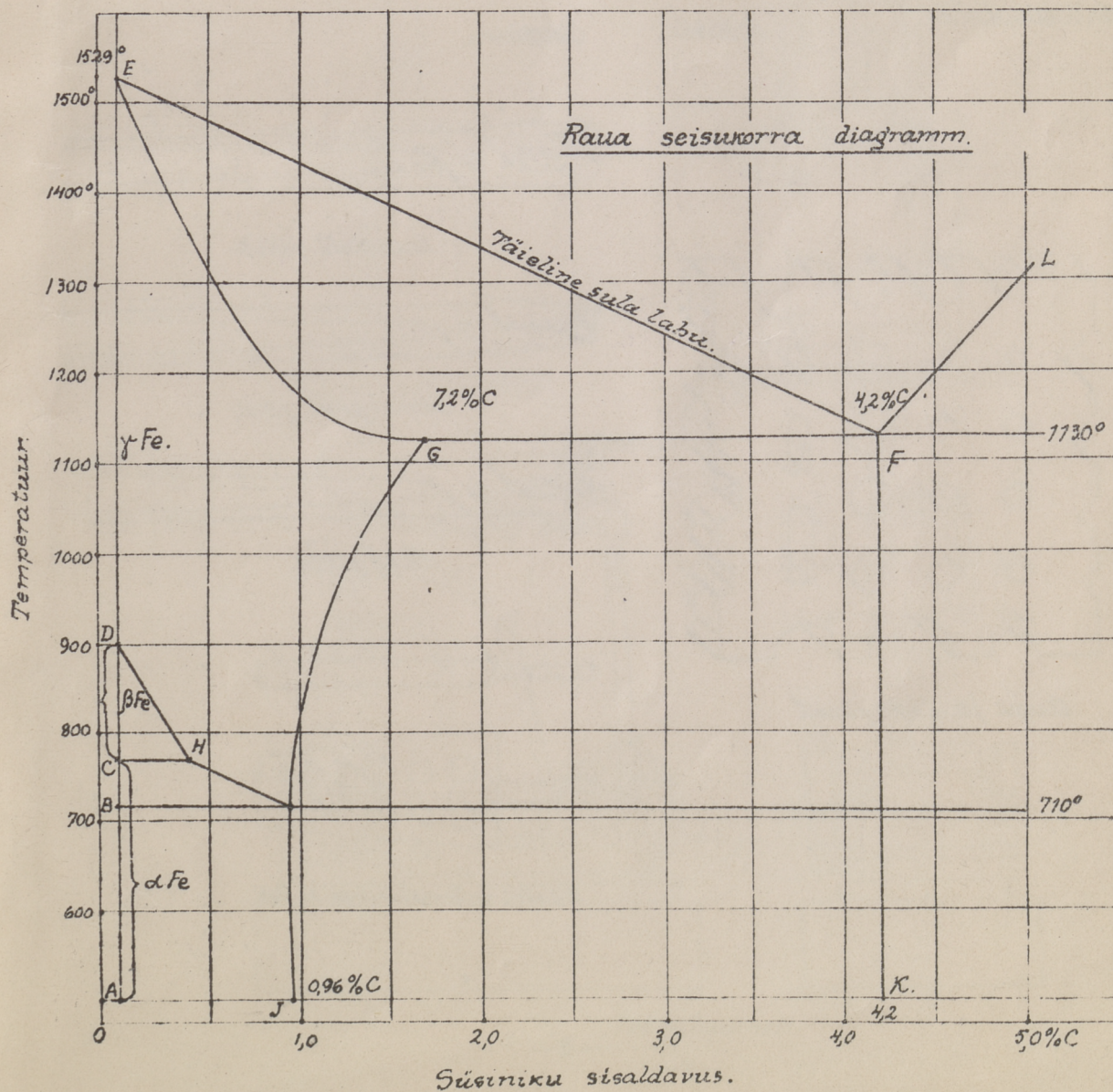
Üleserva keedetud torude valtsimine.

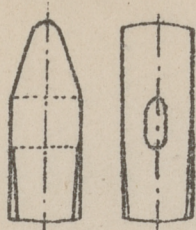


Mannesmann toru
valtsvärk.

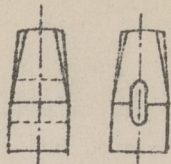


Tinctoru press.

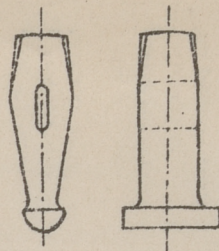




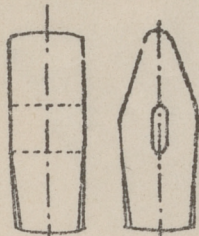
Kärihaamer.



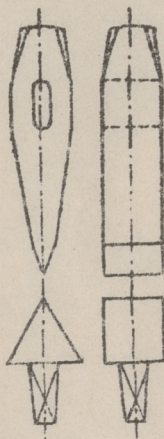
Setshaamer.



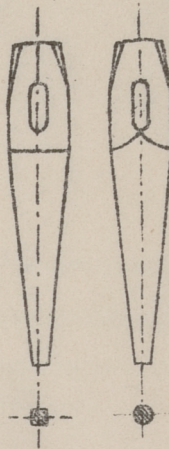
Pallhaamer



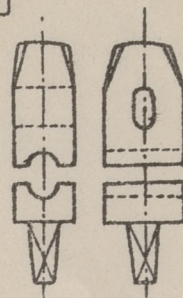
Risthaamer.



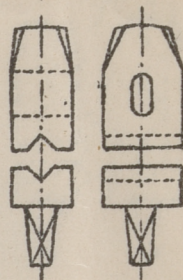
Meisel.



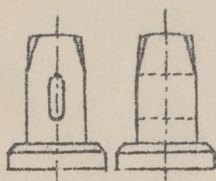
Augulorn.



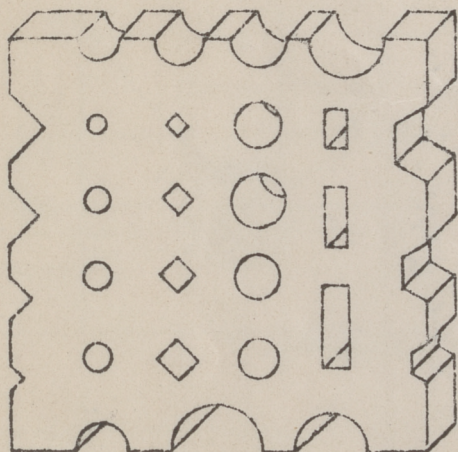
Ümmargune vorm.



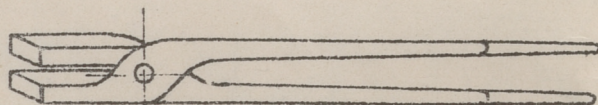
Kantvorm.



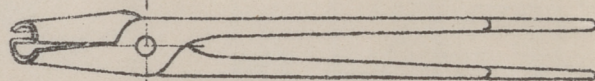
Shlihthaamer.



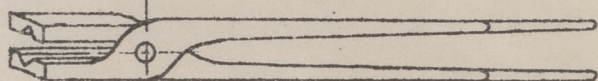
Augu ja sennplaat



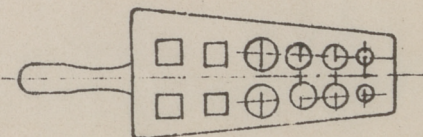
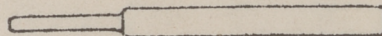
Lamedad pihid.



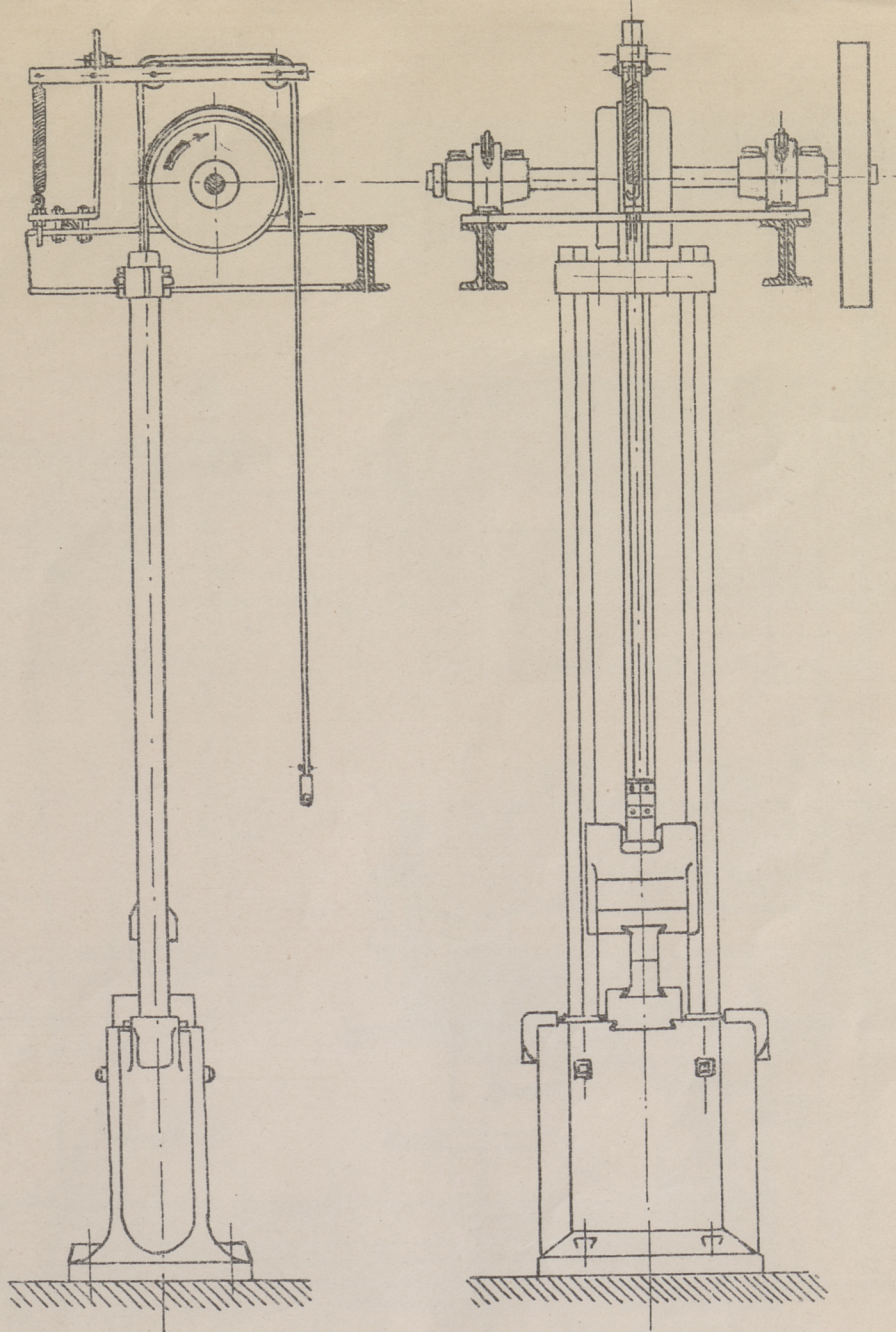
Ümmargused pihid



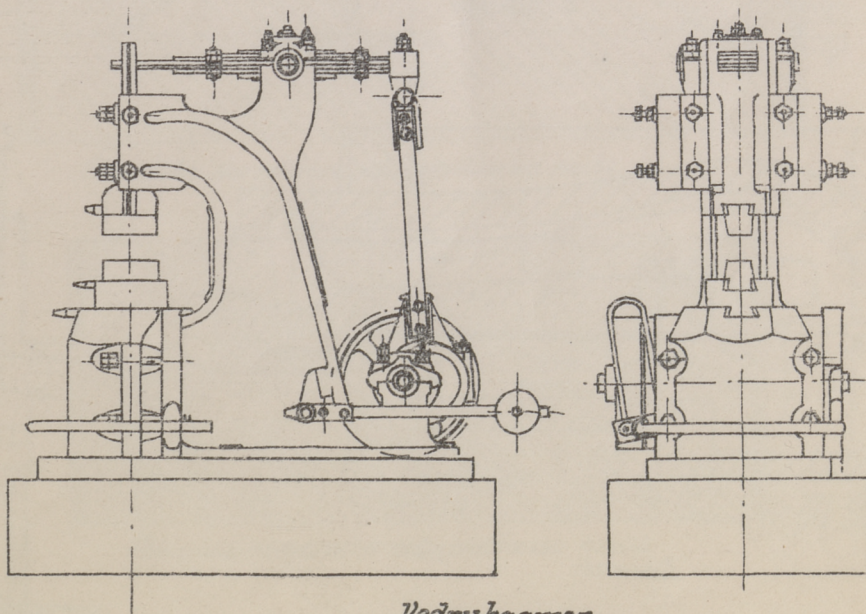
Kant pihid.



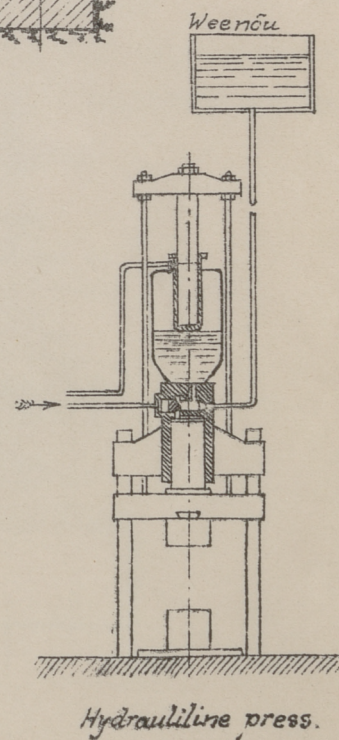
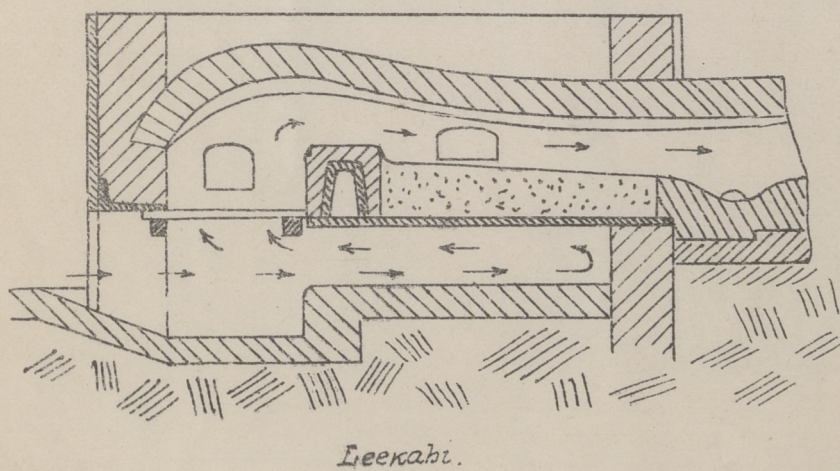
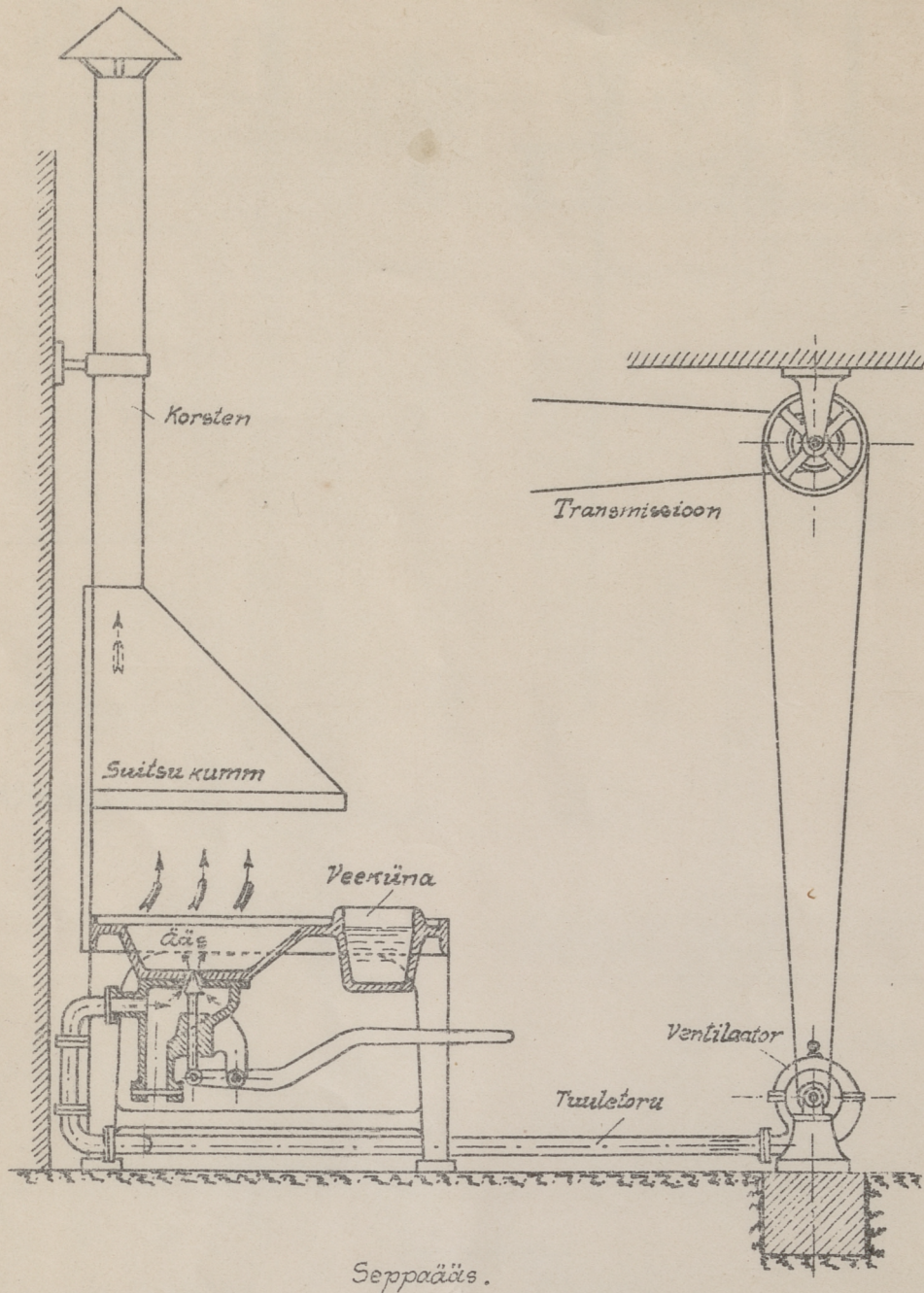
Naela valmistamise raud.

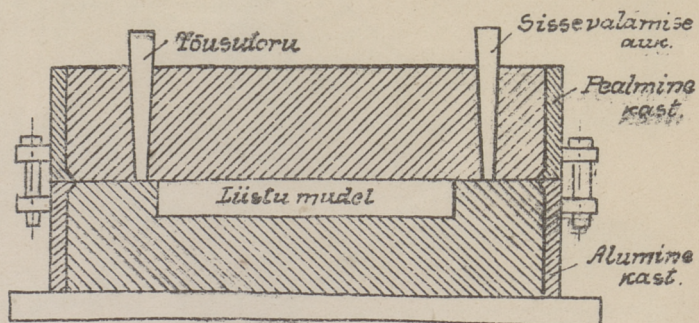
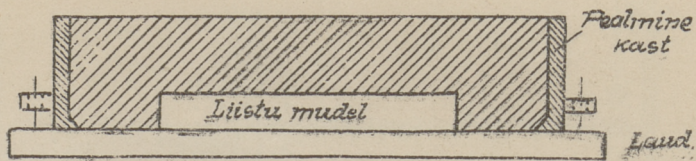


Langehaamer.

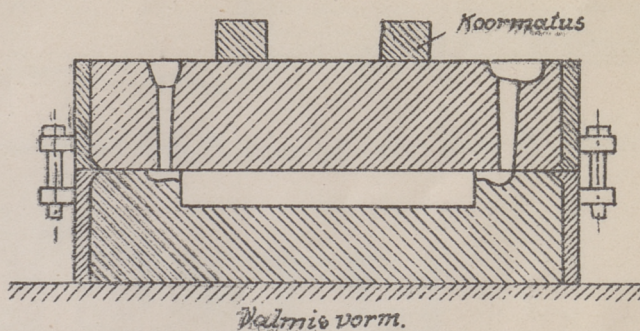


Vedruhaamer.

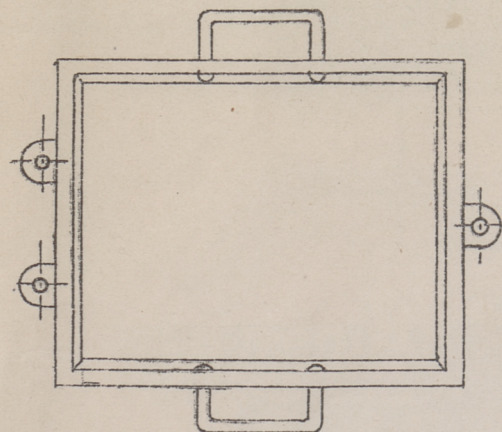
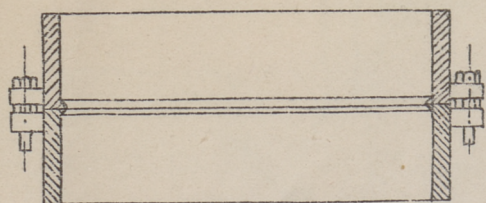




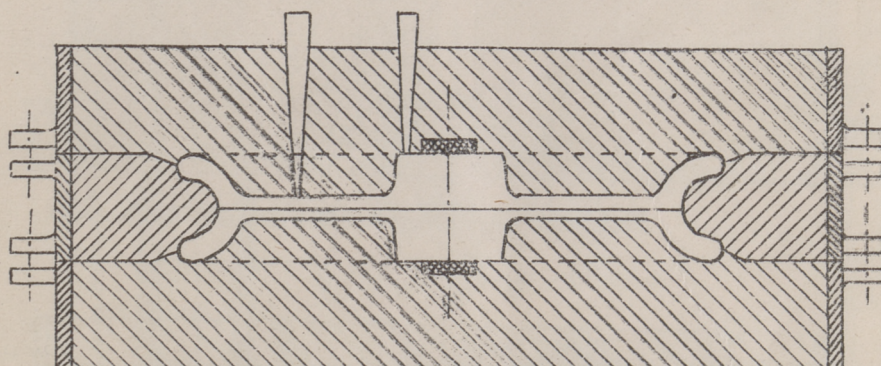
Liistu vormimine kahepoolsega kastis.



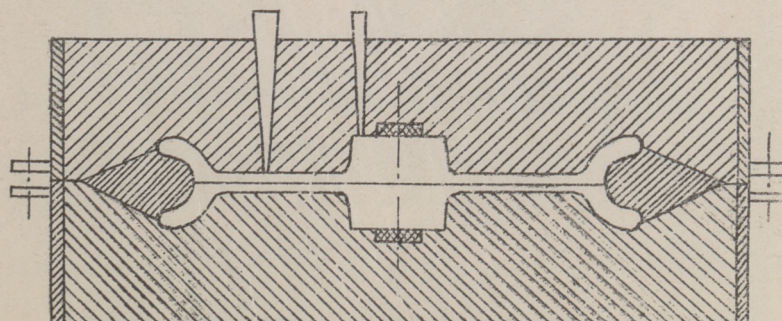
Valmis vorm.



Väikene vorminast.

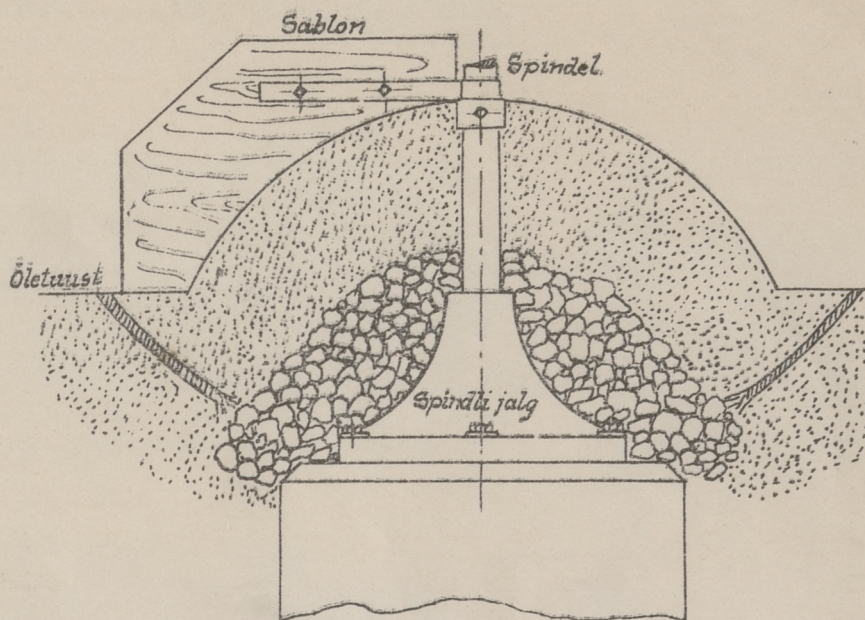


Kõieseibi vormimine kolmejoonisesse kasti.

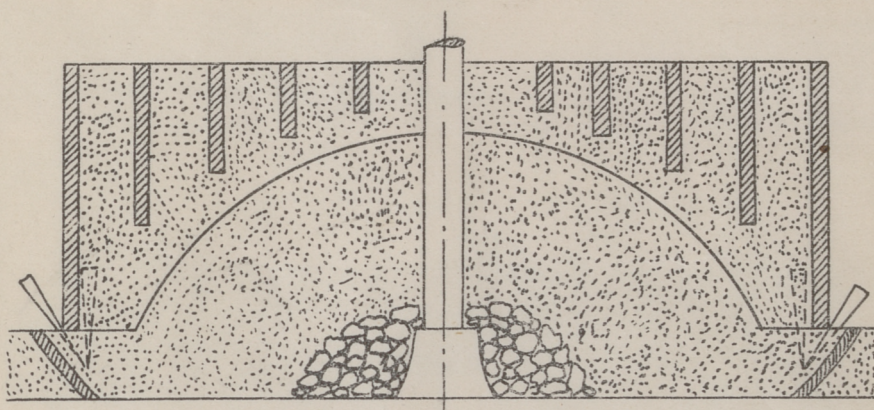


Kõieseibi vormimine kahejoonisesse kasti.

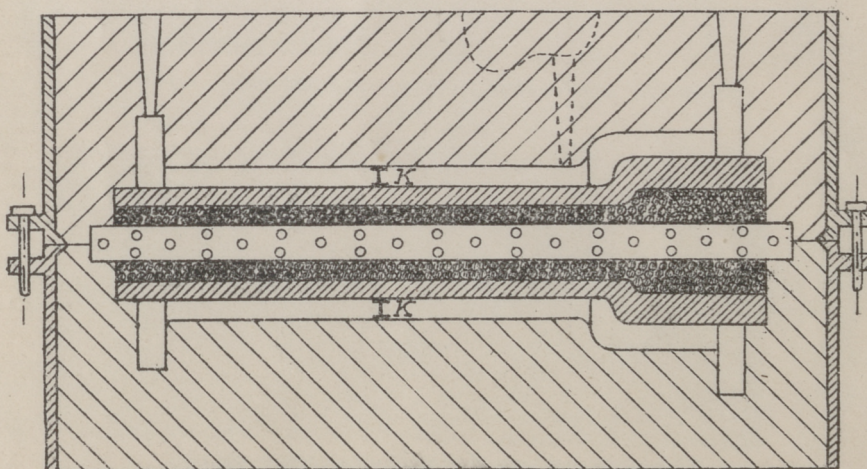




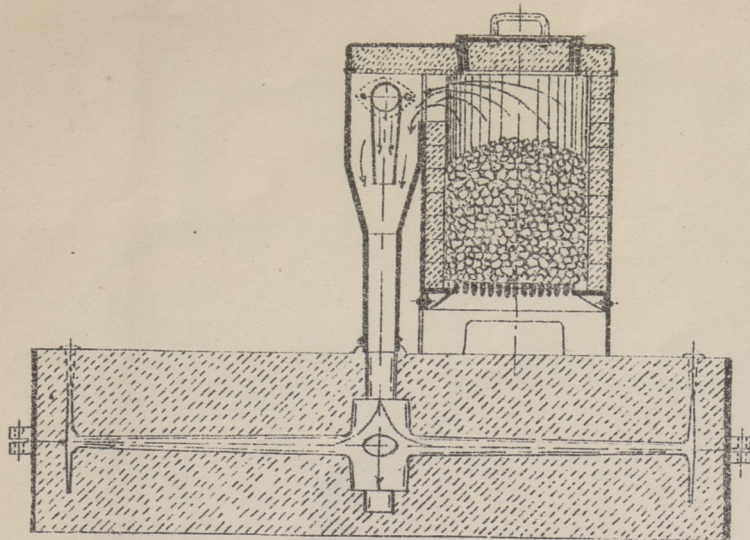
Mudeli valmistamine



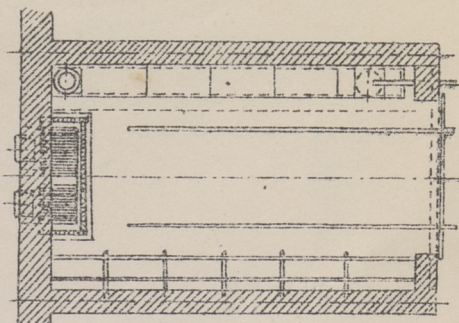
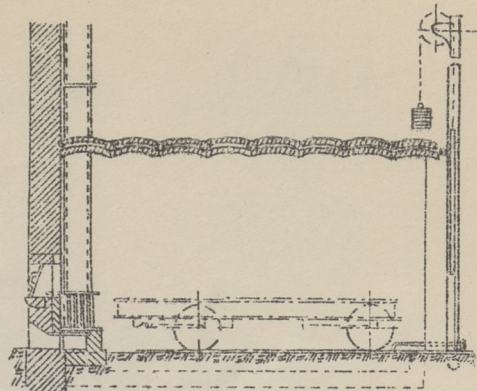
Sabloniga vormimine. (Vormikasti täitmine).



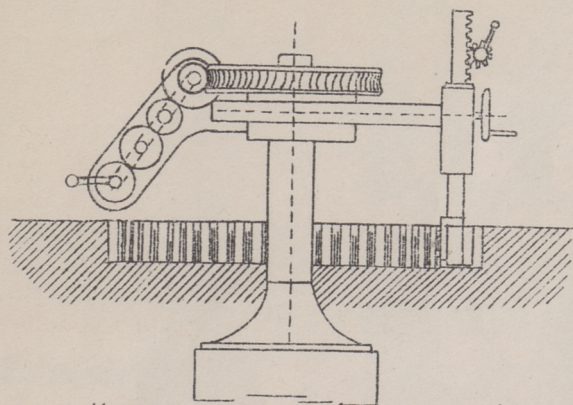
Flansiga toru vort. K = Kärni tuugi



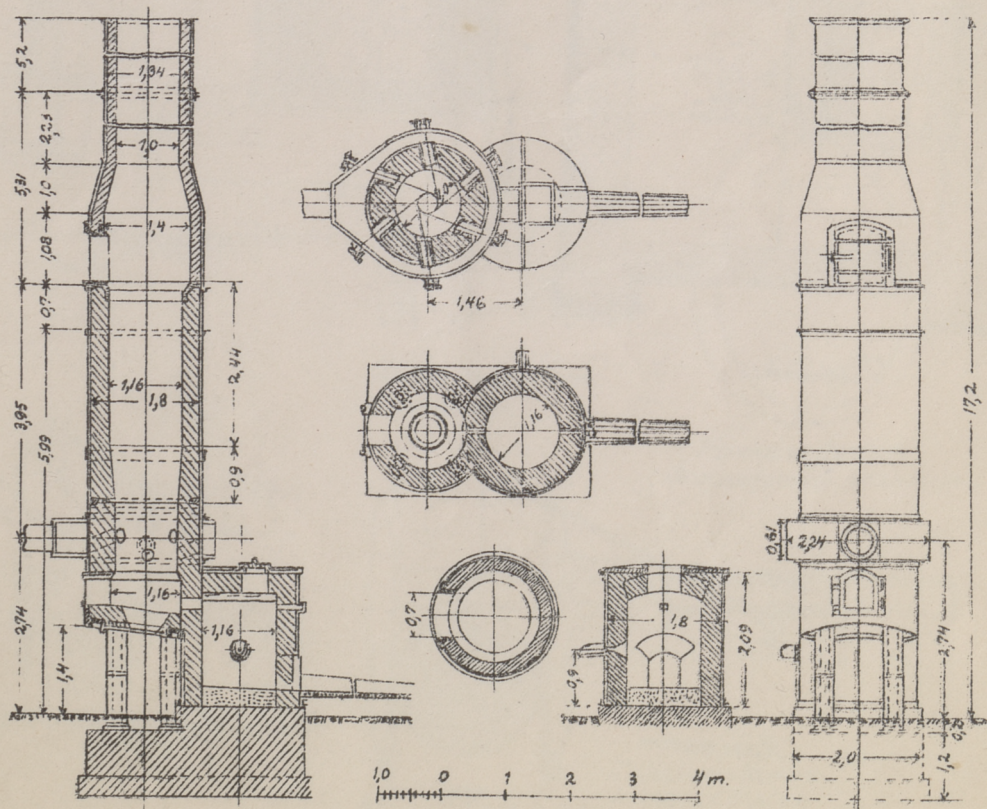
Vormi kuivatus-ahi.



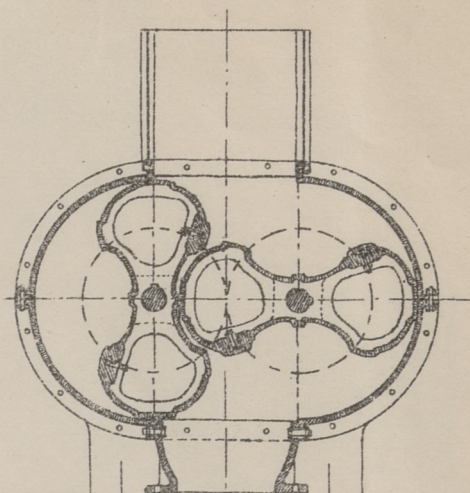
Vormi ja kärni kuivatus-kamber.



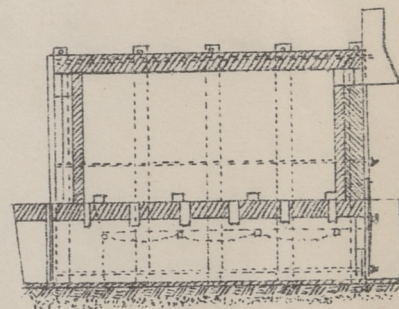
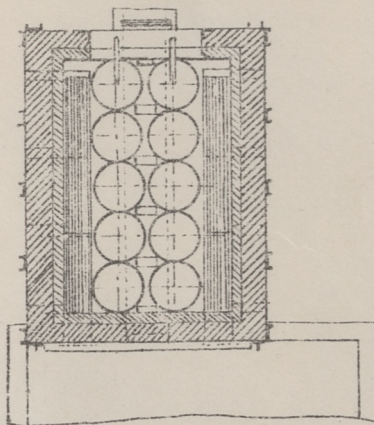
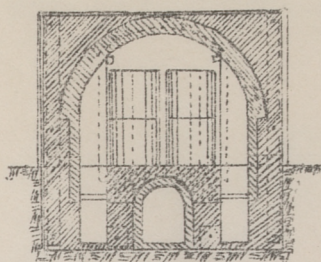
Hambaratta vormimise masin.



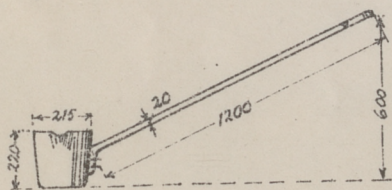
Kupolahi võimega 7 tonni tunnis.



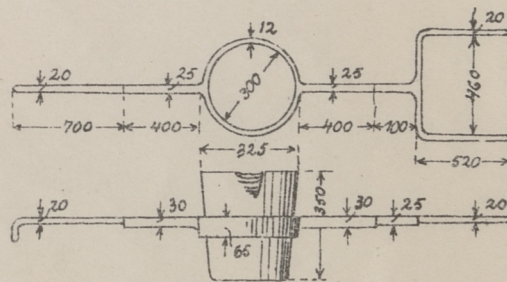
Ruotpuhuja.



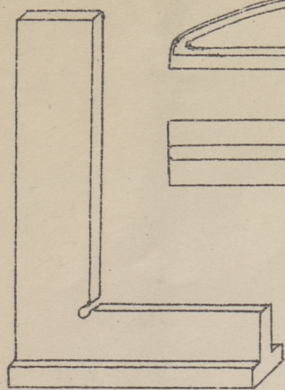
Tiigelahti.



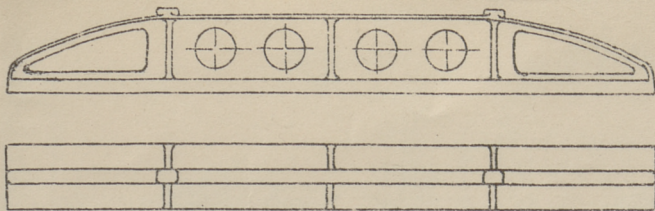
Käsipartii.



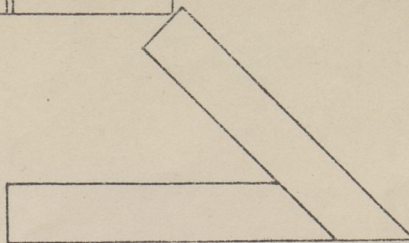
Eulamalmi parin 50 kg. sisaldavusele.



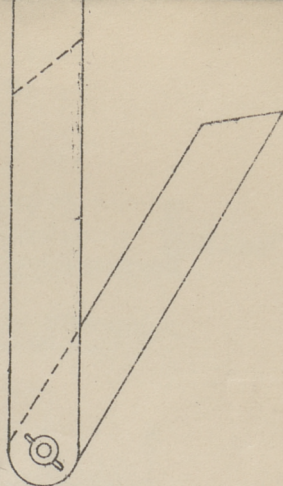
Rist-vinkel.



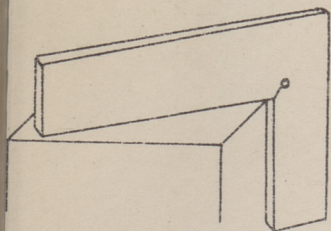
Riht joonlaud.



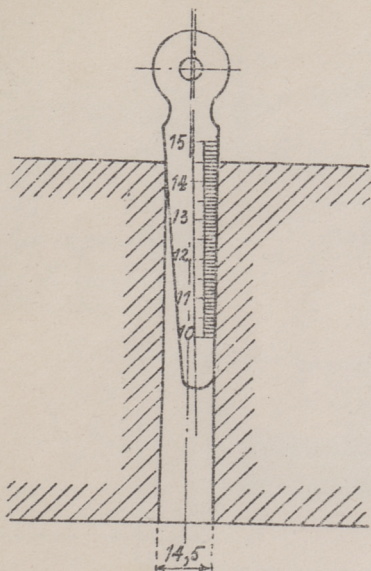
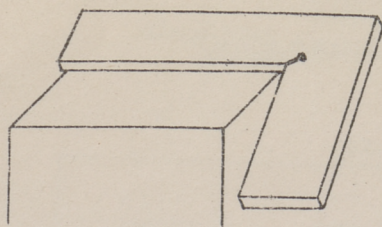
Geerungi vinkel



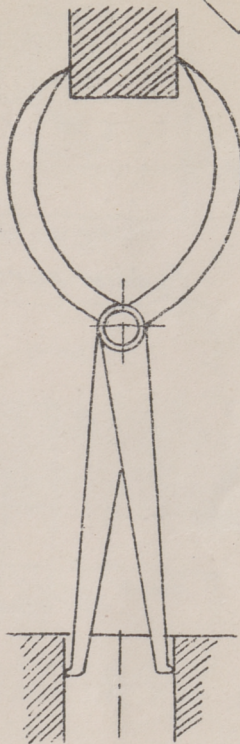
Shmiige.



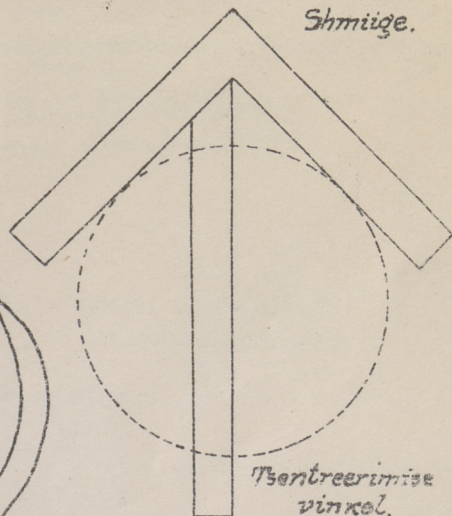
Valesti mõõtmine nurgamõõtjaga.



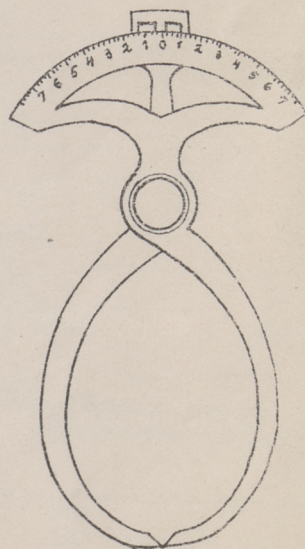
Augu läbimõõdu küürmõõtmise kaliber.



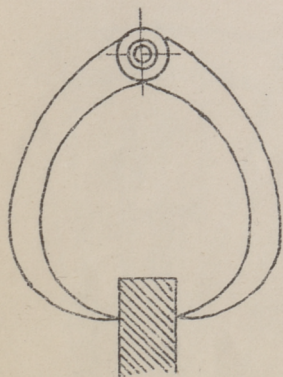
Augu ja paksuse taster.



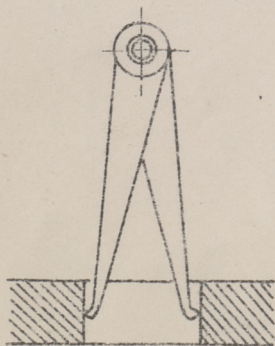
Tsentreerimise vinkel.



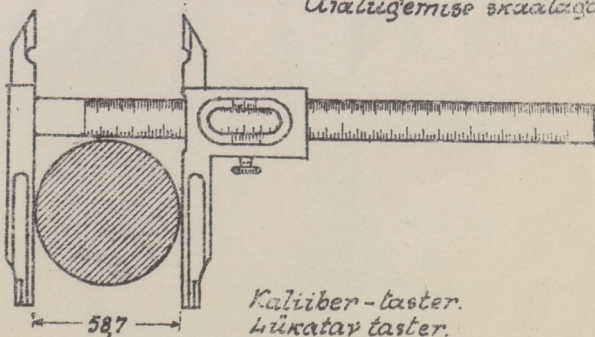
Paksuse taster.
Ärakuemise skaalaga.



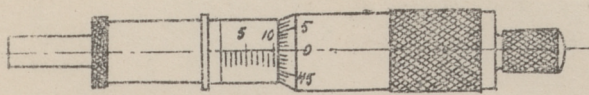
Paksuse taster.



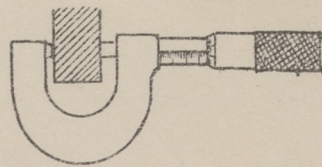
Augu taster.



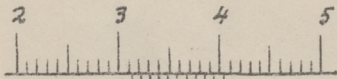
Kaliiber-taster.
Lukatar taster.



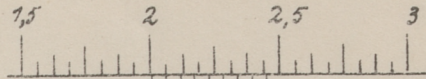
Siigavuste mõõtmise
mikromeeter.



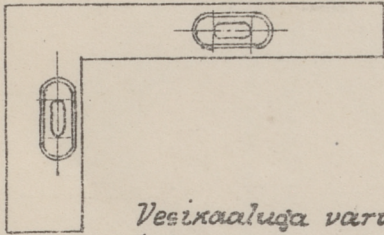
Mikromeeter



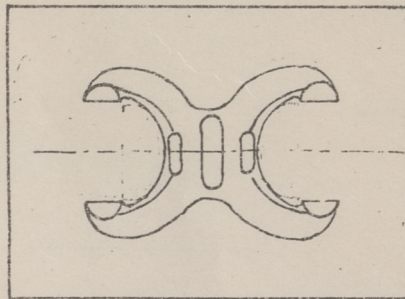
Noonius millimeetritele



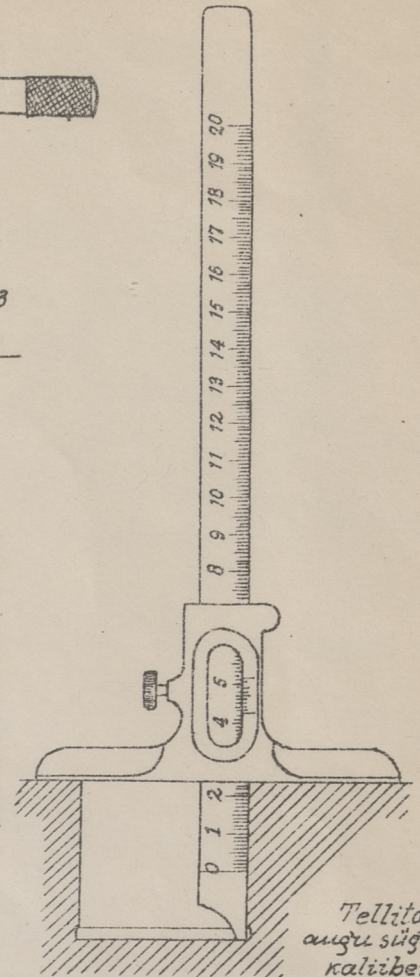
Noonius tollidele.



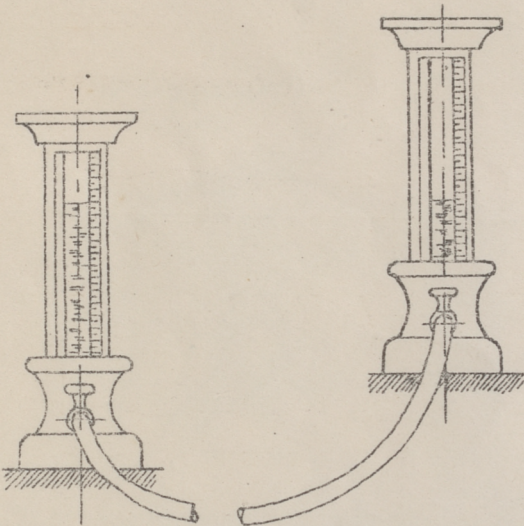
Vesikaaluga varus-
talud vinkelmõet.



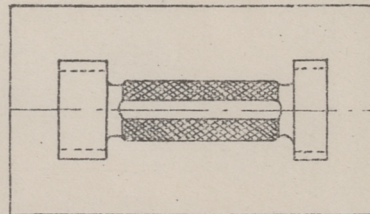
Paksuse piirikaliber.



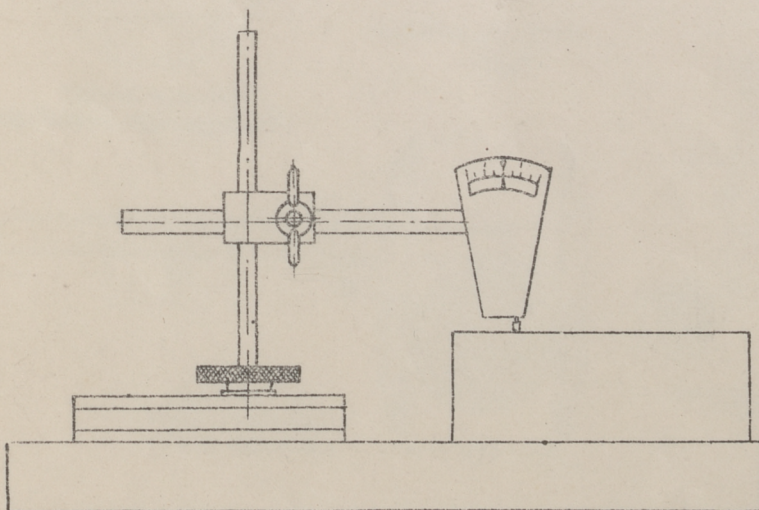
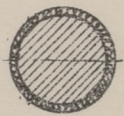
Tallitav
augu siigavus-
kaliber.



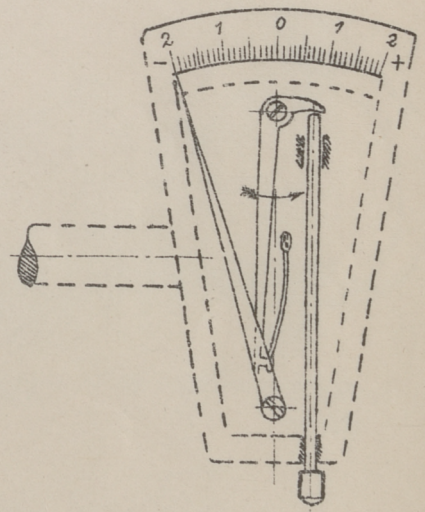
Vesikaal kaugel asuvate punktide
vesiloodistamiseks



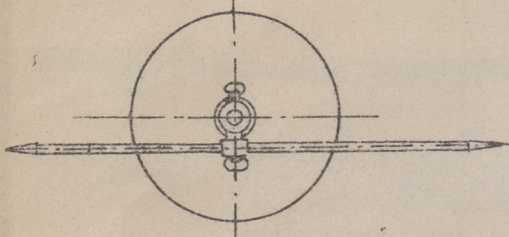
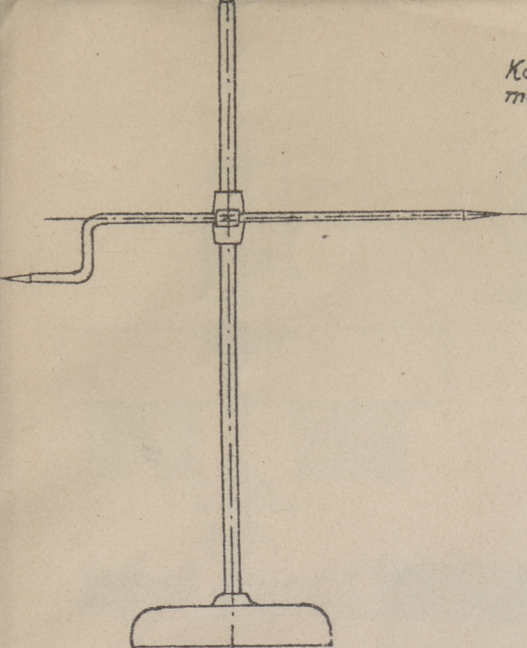
Augu ja tapi piirikaliber.



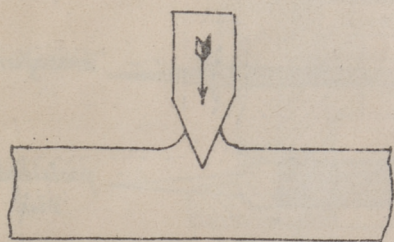
Pinna tasasuse mõetja.



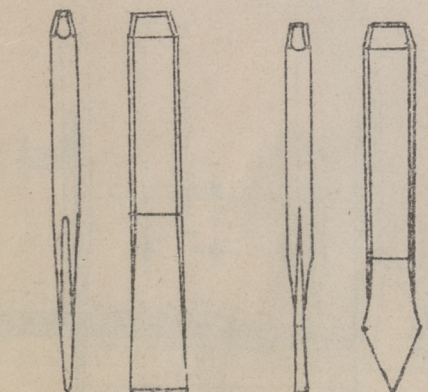
Tasasuse mõetja
mehanism.



Paralleelkriipsutaja

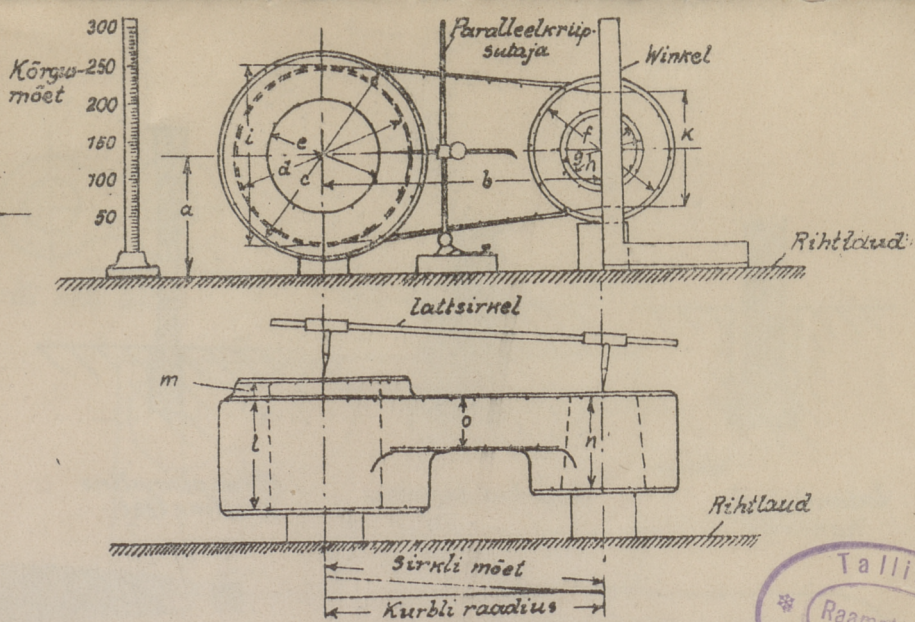


Risti sissetungiva tera mõju-
avalduis plastilisesse ainesse.

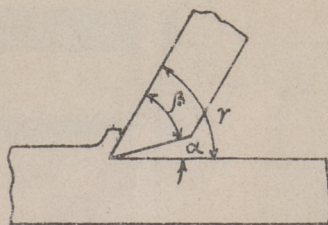


Lame meisel

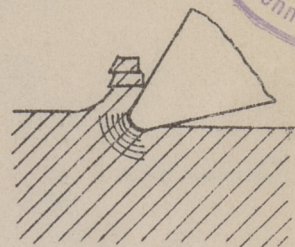
Ristmeisel.



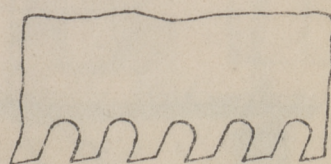
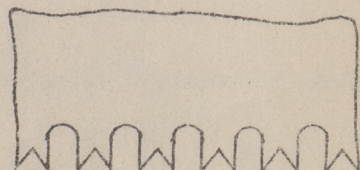
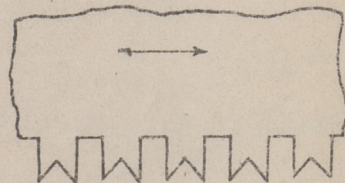
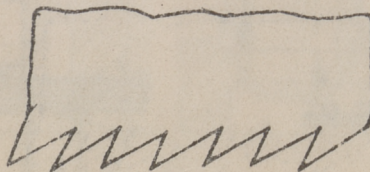
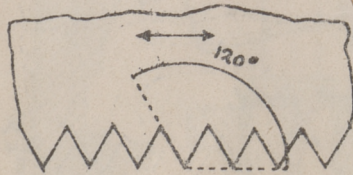
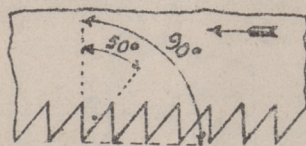
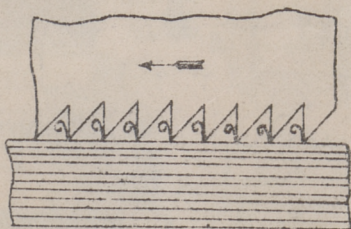
Näide kurbli ettemärgimisest.



Lõiketera nurgad.

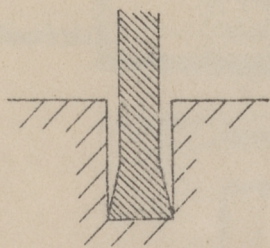


Lõiketera töötamise viis

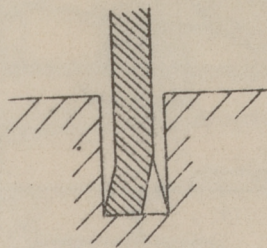


Sashamba vormid.

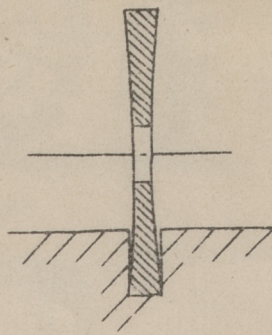




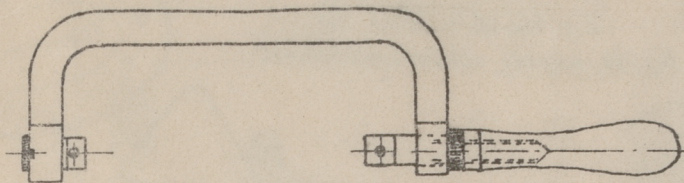
laiendatud hammas



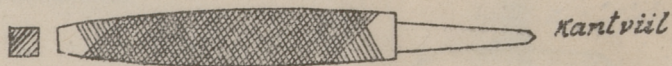
murtud hammas.



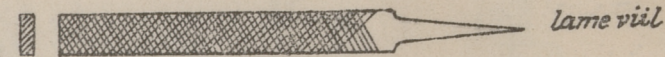
õõnespinnaline kreissae leht.



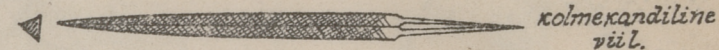
Käsisae pea.



Kantviil



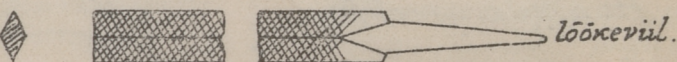
Lameviil



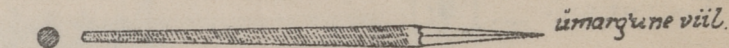
kolmekandiline viil.



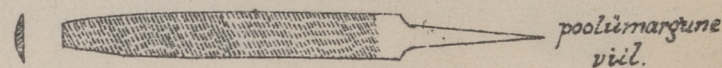
ruuga viil.



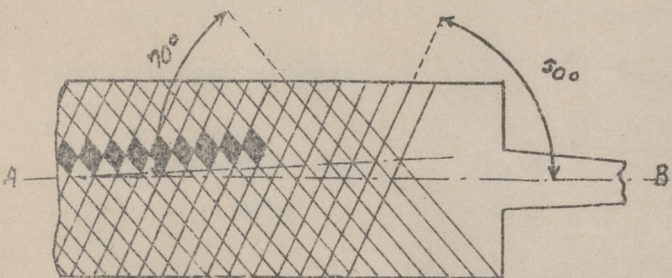
lõõkeviil.



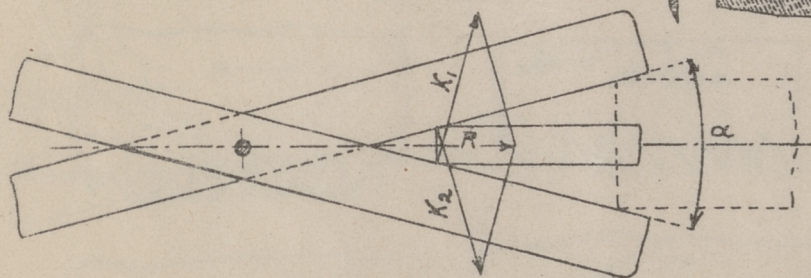
ümargune viil.



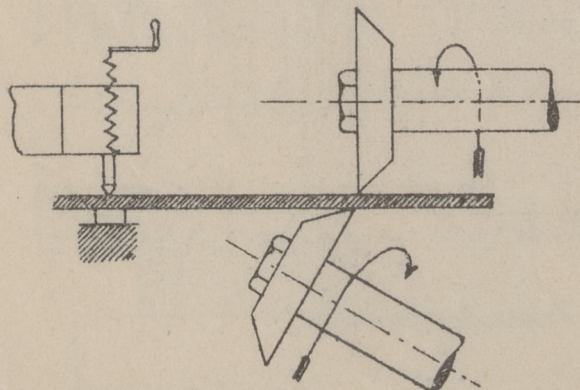
poolümargune viil.



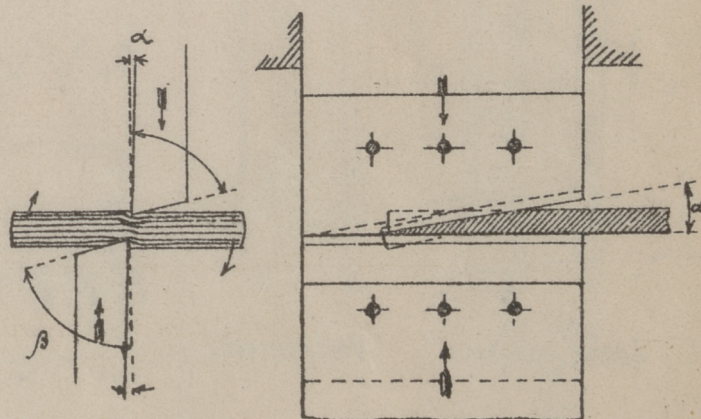
Viilhamba lõõk.



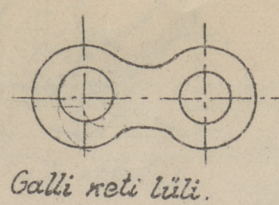
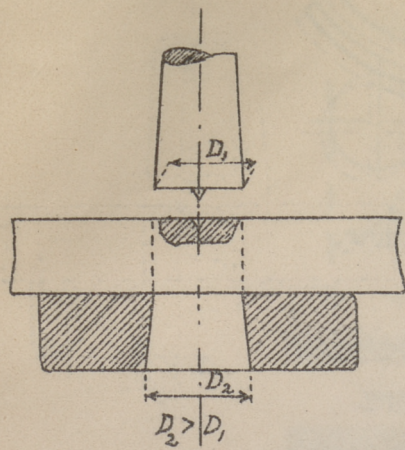
Käärde lõikamisel ülesastuvad jõud.



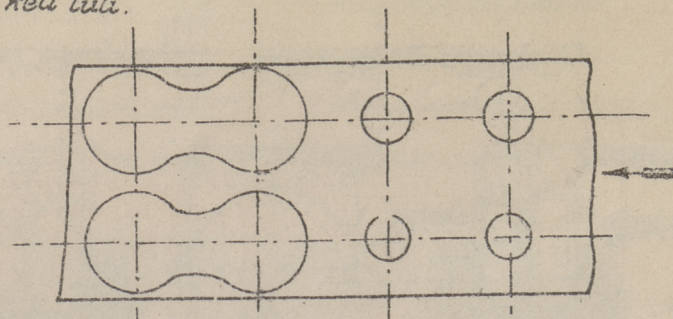
Ringjoones töötavad käärid.



Masin käärde töötamise viis.

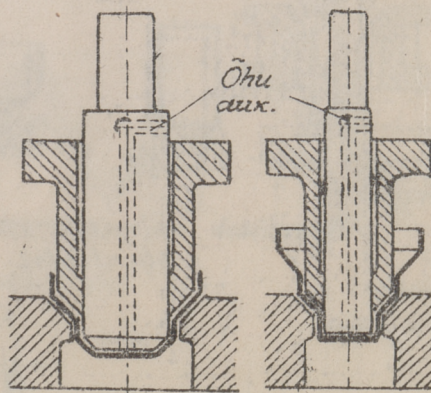
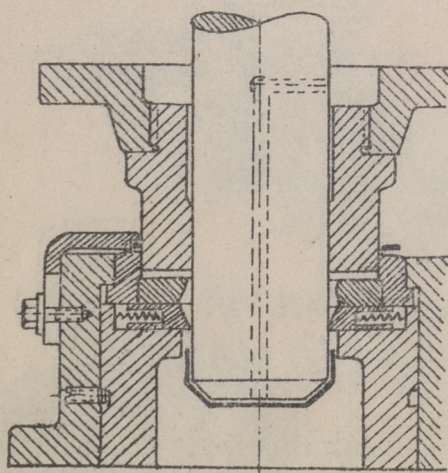
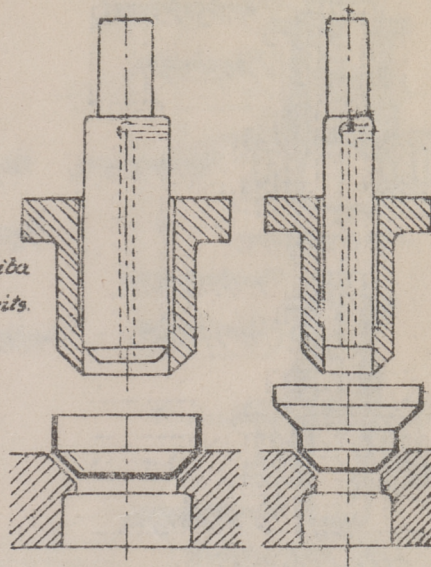
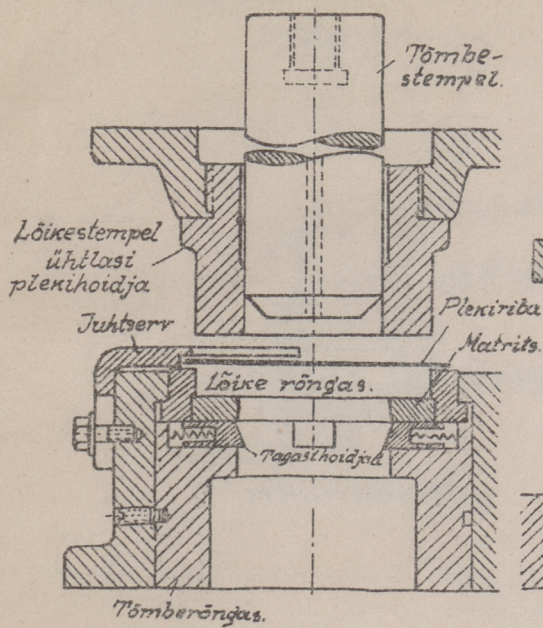


Calli reti lüli.

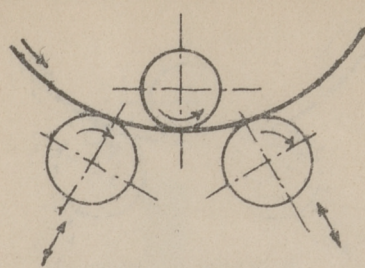


Keti lülide slantsimine plexist.

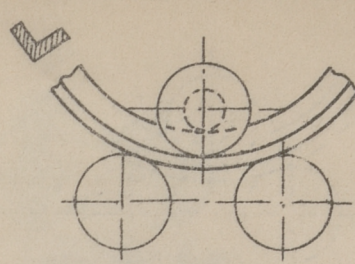
Augustuspel alusega.



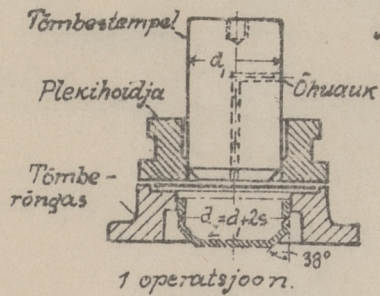
Stantsi lõike ja tõmbe seadis.



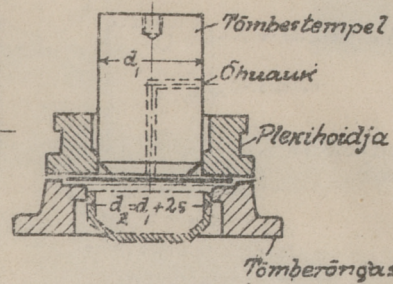
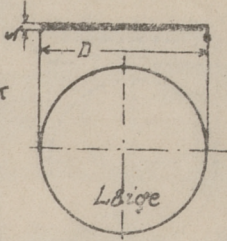
Lamerava paenutamise



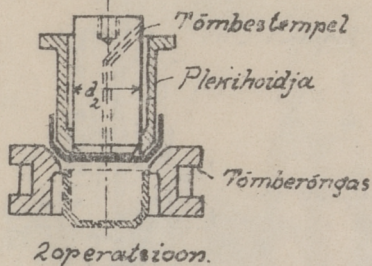
Vinkelraua paenutamise.



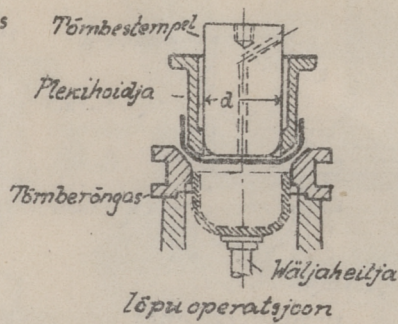
1 operatsioon.



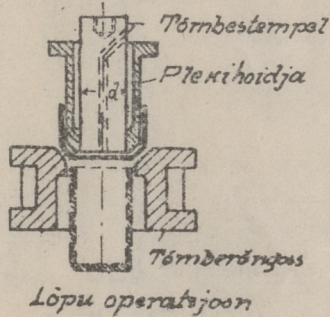
1 operatsioon.



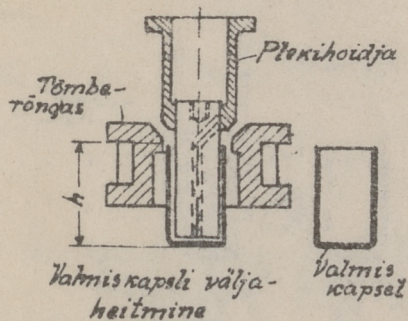
2 operatsioon.



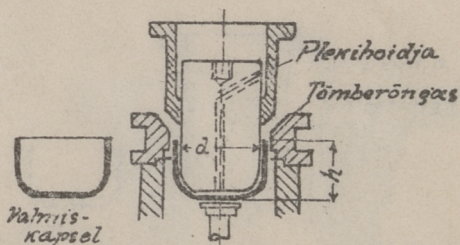
Lõpu operatsioon



Lõpu operatsioon

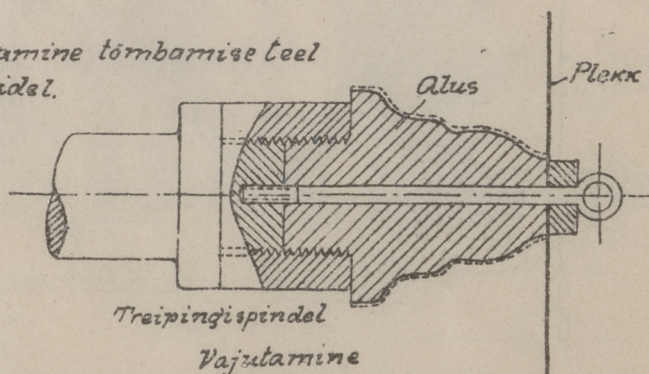


Valmis kapsli väljaheitmine



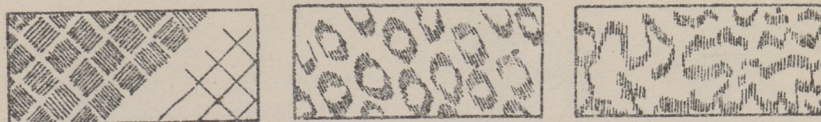
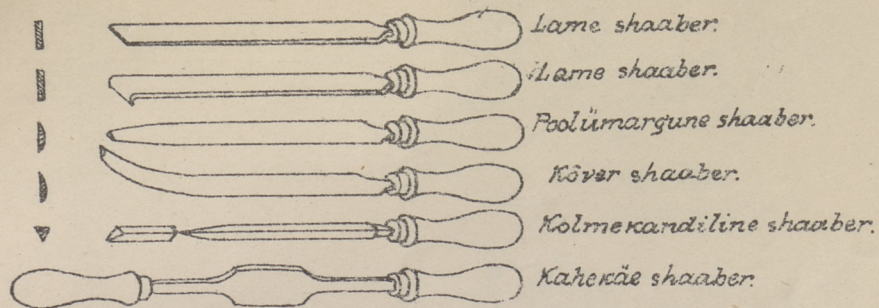
Valmis kapsel

Plexkiõude valmistamine tõmbamise teel stantsidel.

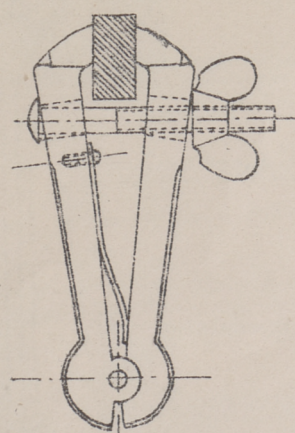


Treipingispindel

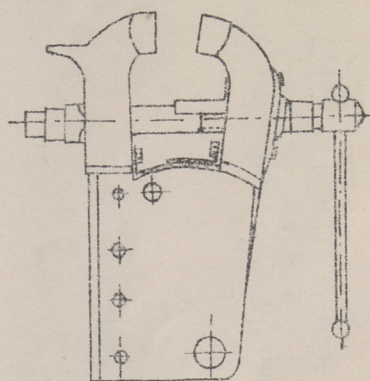
Vajutamine



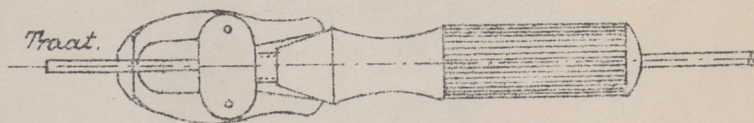
Shaabitud mustrid.



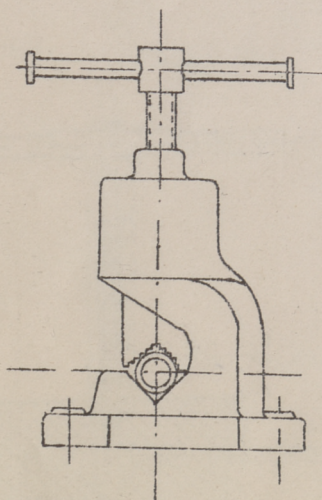
Hävilik käsinruustang



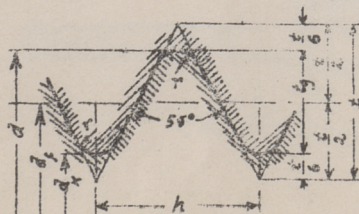
Kruustang



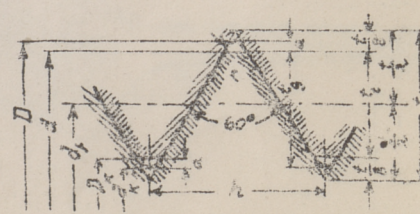
Õõnes varrega käsinruustang



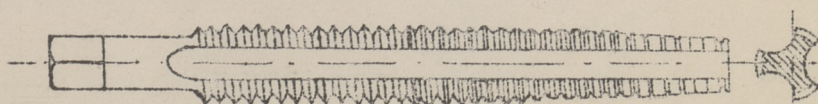
Toru kruustang.



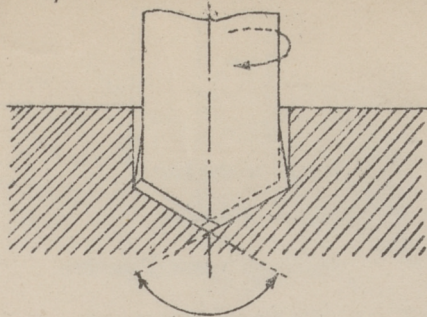
Whitworth - vint.



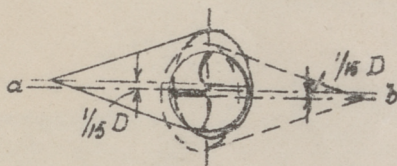
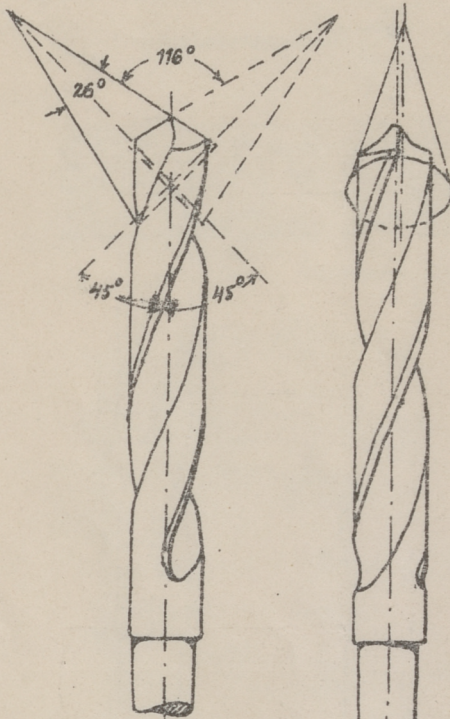
Meetriline vint.



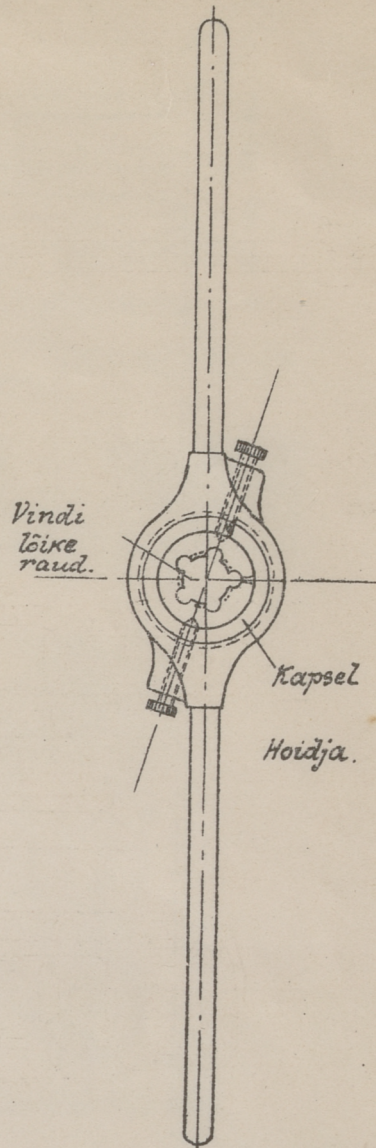
Vinti puur.



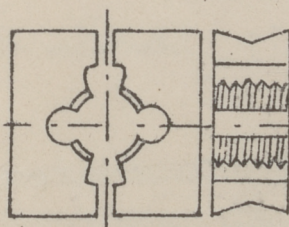
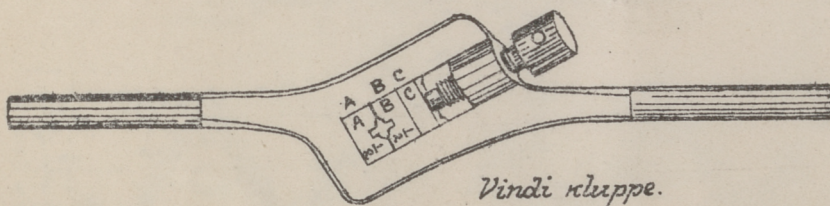
-90-120°
Pits-puur.



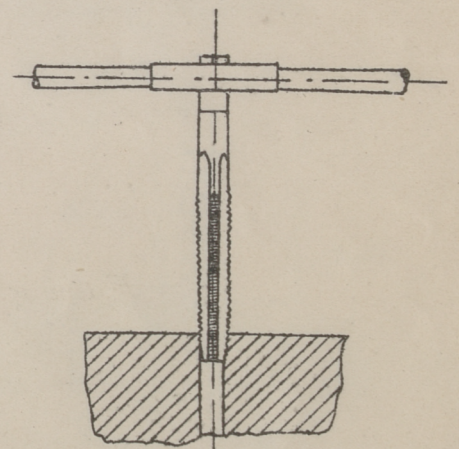
Spiraal-puur.



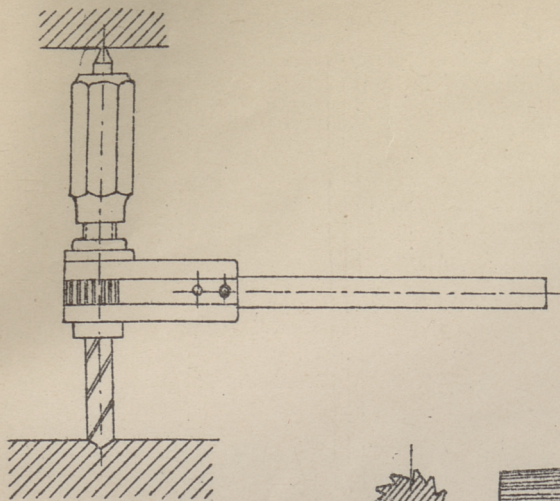
luern vindi lõikaja.



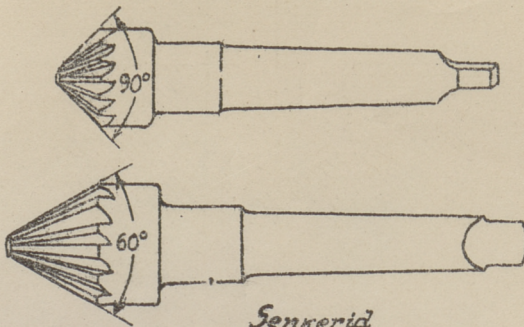
Kluppe barid.



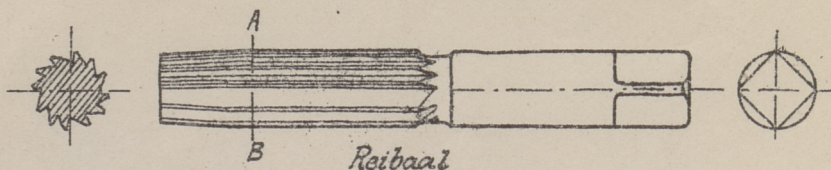
Vindi lõikamine ettepuuritud auku.



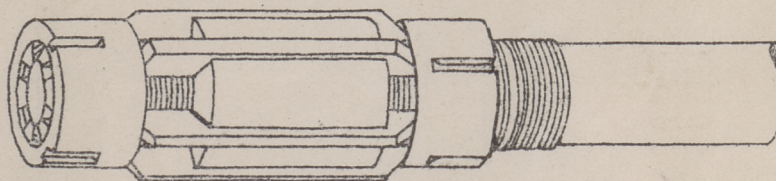
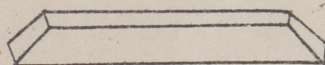
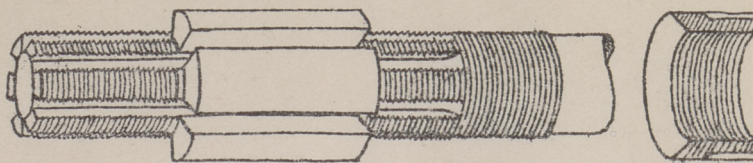
Knarr-puur.



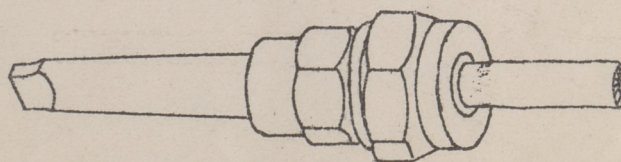
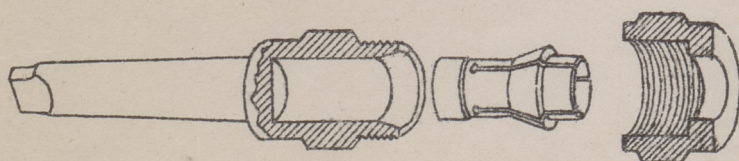
Senkerid.



Reibaal



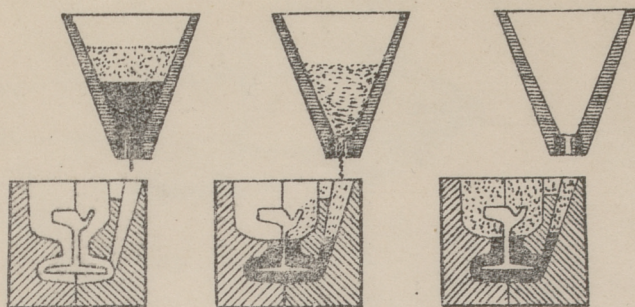
Tellitav reibaal.



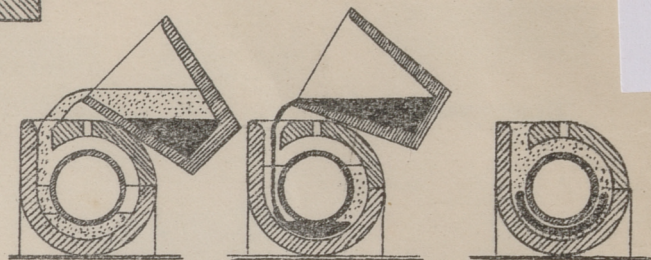
Puuri kinnitus-padrin.



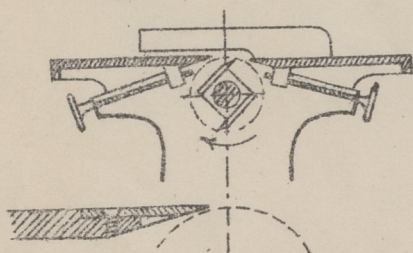
Morse padrun.



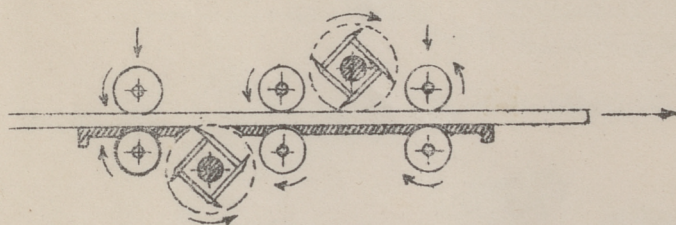
Kombineeritud termiit-keetmis viis.



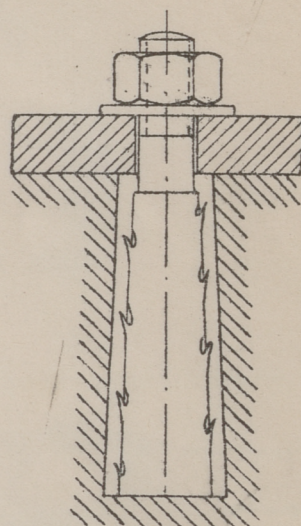
Termiit keetmis viis tarvitatud torude ühendamiseks



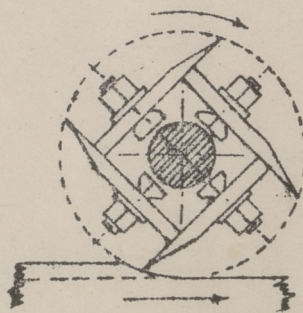
Rihtmasin.
Fugmasin



Kahe poolsega kőõvelmasin.



Ankurukruvi kivile.



Puu kőõvli nusa vőõli.

EC61

kuin, n.

1953

*Luhaanilin teknologia
joon.*

Elmiste laenutuste arv:

Balt ?

-20
-02

TLÜ AKADEEMILINE RAAMATUKOGU



1 0200 00547483 2