36

ÁLLATTAN

ATLÁSA

439 ÁBRÁVAL.

20 kr pp.

59=11
A31

K.k. 253
L. 33 sz.

I/17

Domokos Ignácz tulajdona.
Szécsely Udvarhelyt 1851.

36

K. n. 1040
f. 1
L. n.

153 14

2

Kk. 253.

ÁLLATTAN

átlása

439 ábrával.

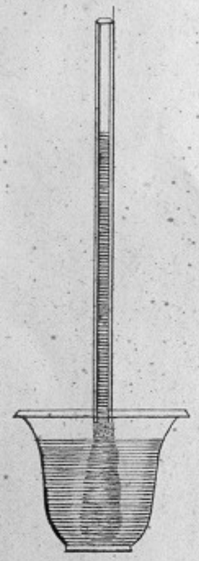
...LYI ...NÁZIUM ...TÁRÁÉ. ROL. H. I. ...

Ifjúsági könyvtárá.

KOLOZSVÁRTT.

TILSCH JÁNOS TULAJDONA.

Az ev. ref. Koll. Lithogr. Kolozsvártt. Metsz. Daniélis.



1so ábra.



2ik ábra. Édesvizi habarcz. (Hydra.)



4ik ábra. Ilistiti (Hapale vulgaris).



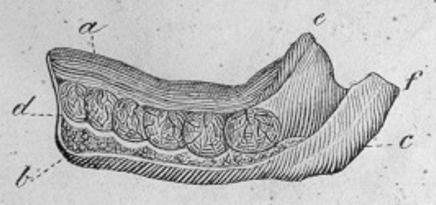
5ik ábra. Élefántfő.



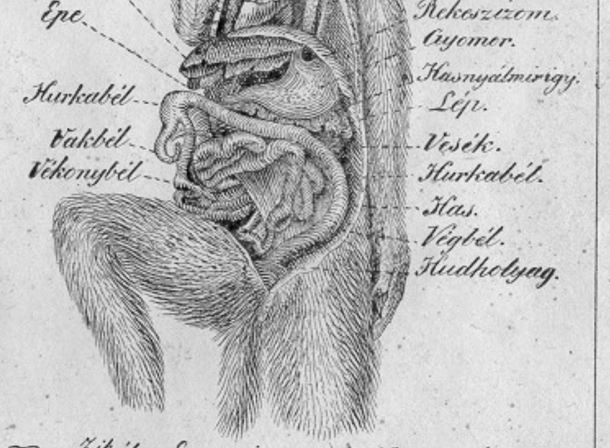
6ik ábra. Futrinka. (Carabus.)



7ik ábra. Futrinka állkapcsai.



10ik ábra.



3ik ábra. Egy majom emésztő szerszámzata.



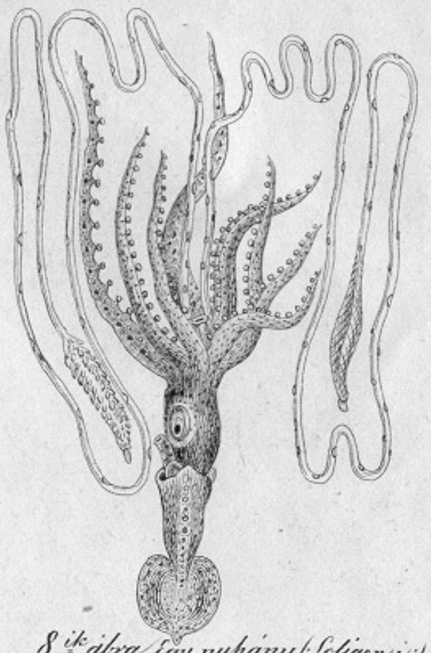
9ik ábra. Bombylius pictus.



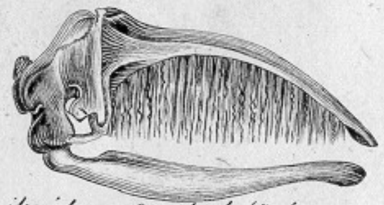
11ik ábra.



12ik ábra. A' tengeri nyúl áll kapocsa.



8ik ábra. Egy puhány (: Loligopsis :)



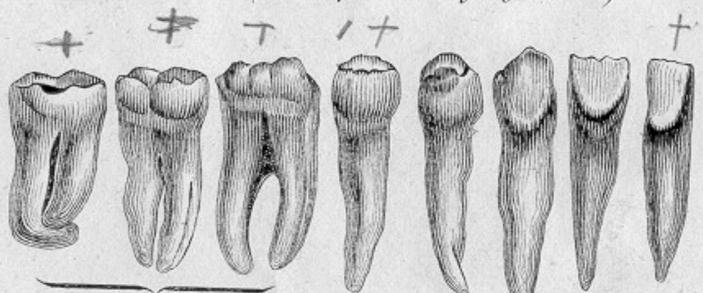
14ik ábra. Czethal-főváz a' hathejjakkal együtt.



15ik ábra. Gáviál-fő (: Rhamphostoma gangeticum :)



13ik ábra.



Nagy zápfogak. Kis zápfogak. Szemfog. Vágfogak.

16ik ábra. Az ember fogai.



17ik ábra. Egy hus-evő fogai.



18ik ábra. Egy rovarevő fogai.



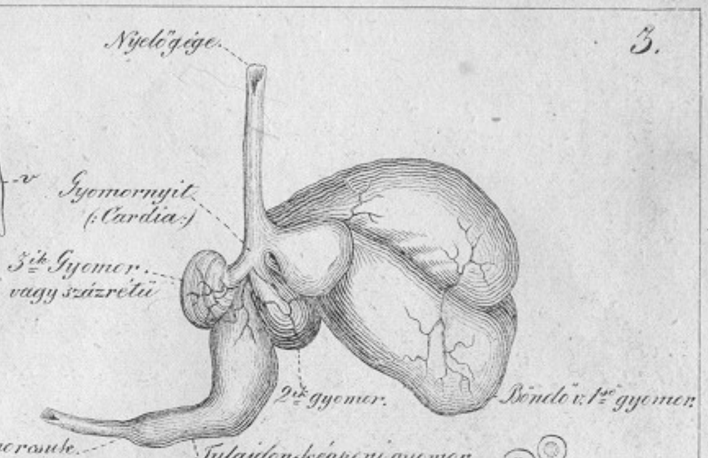
19ik ábra. Egy növényevő fogai.



20ik ábra. Egy gyümölcsevő fogai.



29ik ábra. Hajszálos edények a' béka lábában.

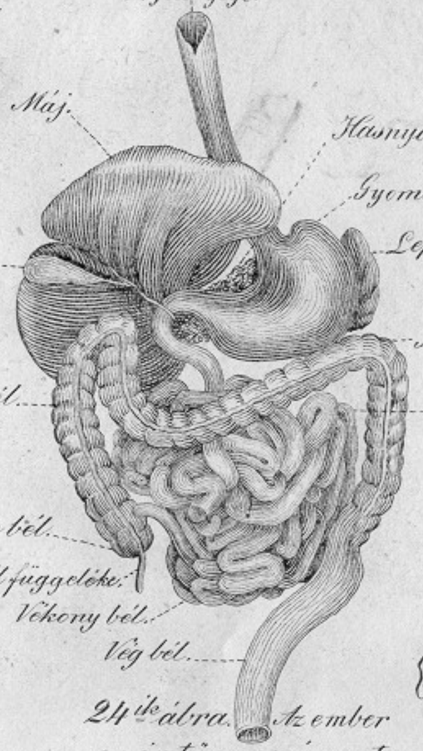


25ik ábra. A' juh gyomrai.

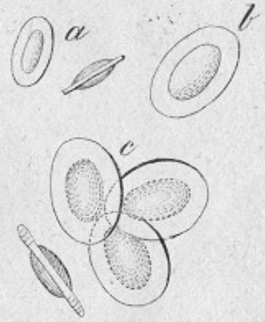


27ik ábra.

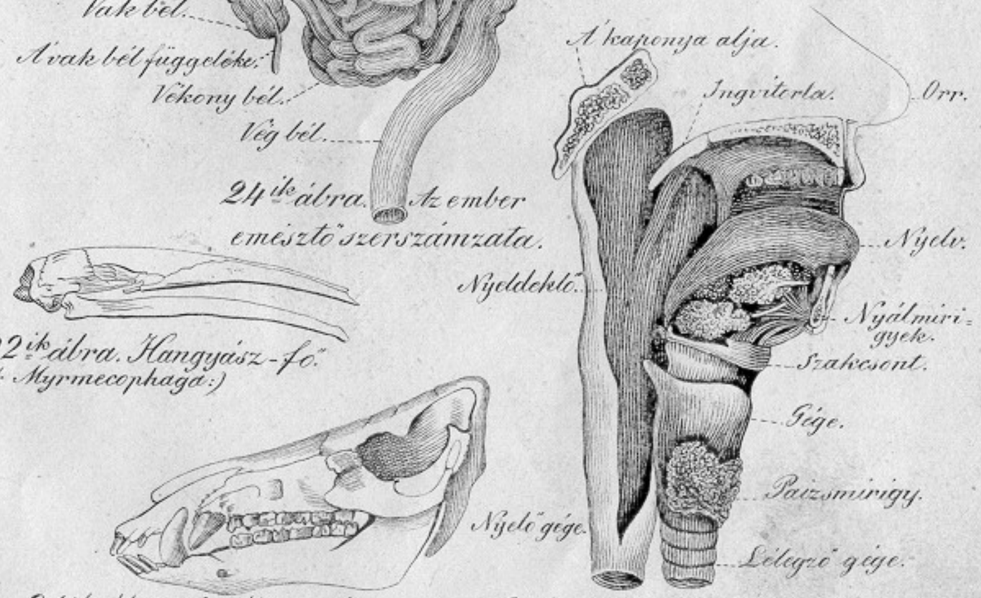
Nyelő gége



24ik ábra. Az ember emésztő szerszámzata.



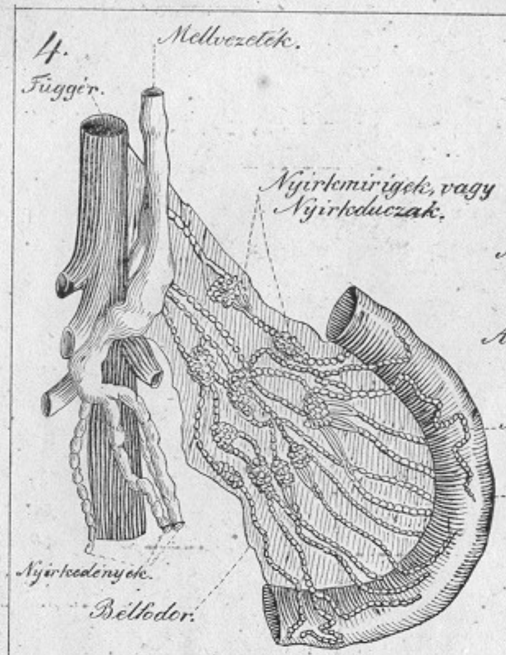
28ik ábra.



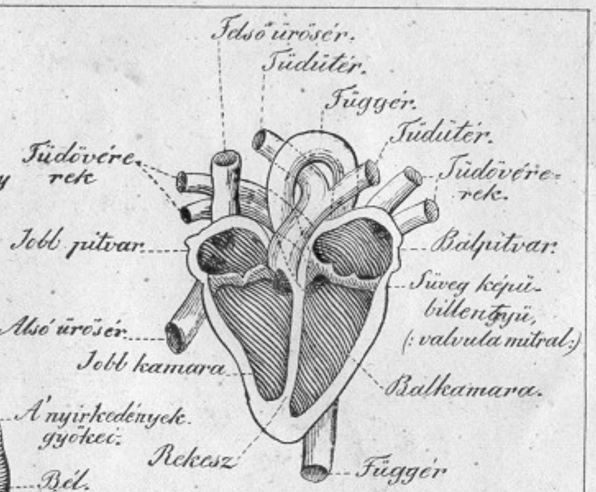
23ik ábra. A' száj és gége függőleges szelete.

22ik ábra. Hangyász-fő (: Myrmecophaga :)

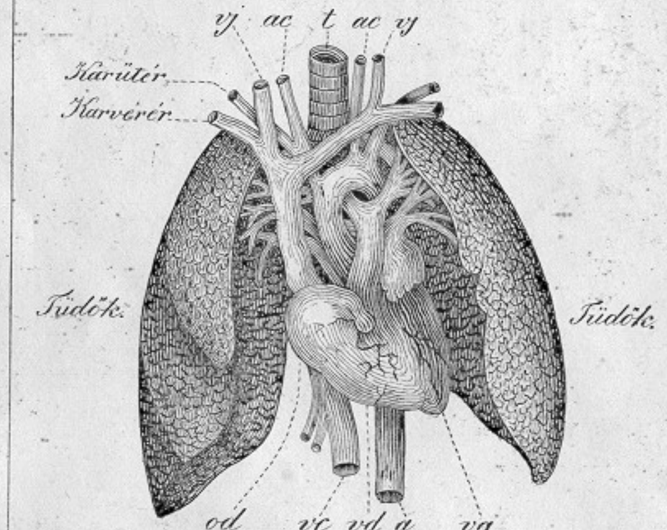
21ik ábra. Vaddisznó-fő.



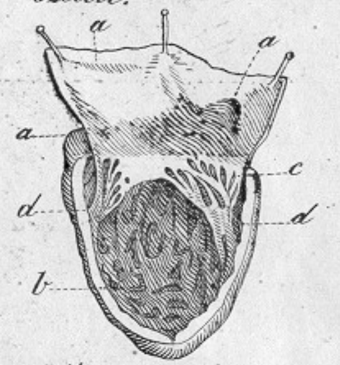
26ik ábra. Nyirkedényele.



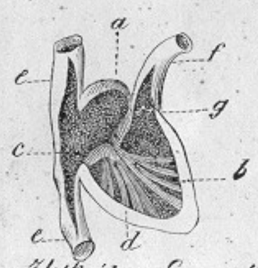
31ik ábra. Az ember szive elméleti szelete.



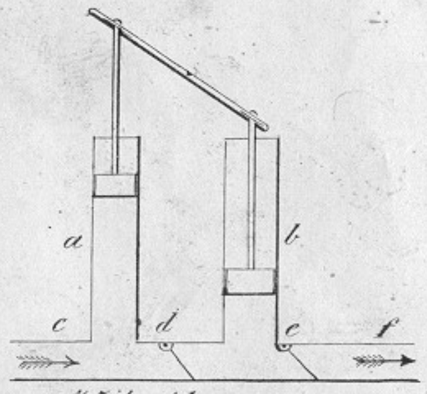
30ik ábra. Az ember tüdöi, szive és főbb edényei.



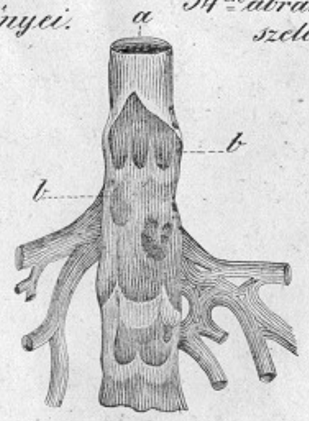
33ik ábra. Egy szív-szelet.



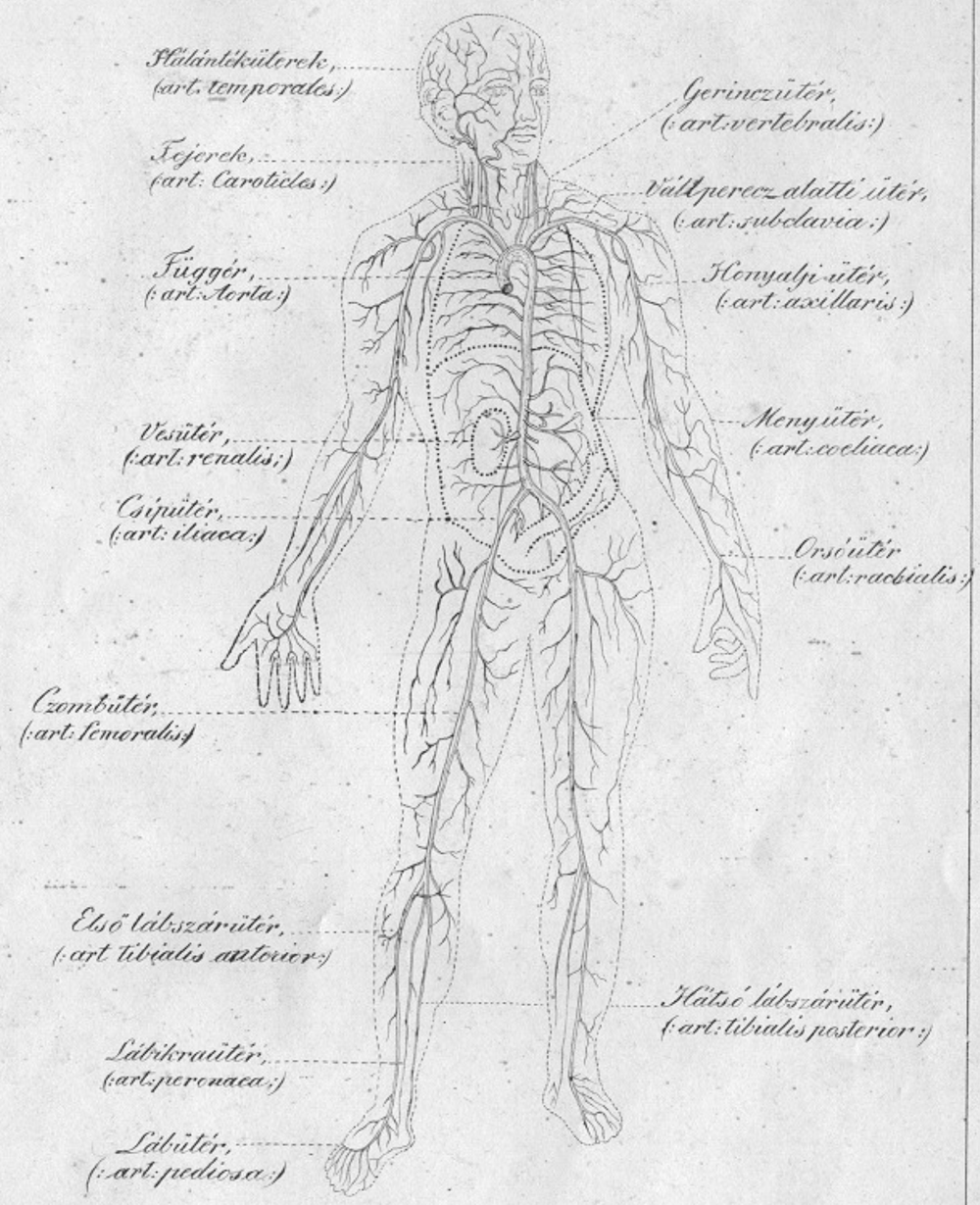
34ik ábra. Egy szív-szelet.



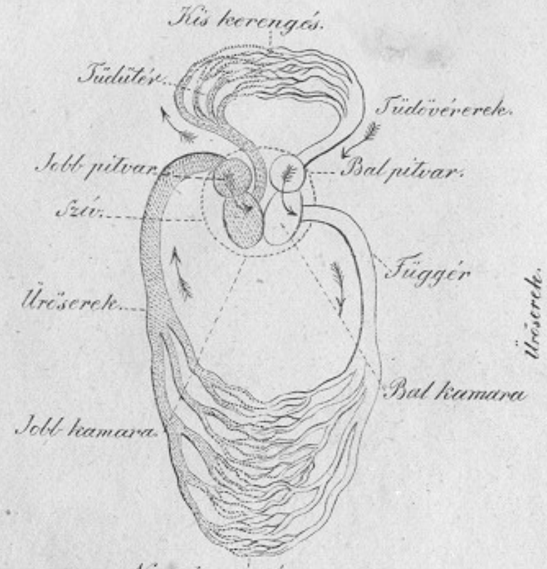
35ik ábra.



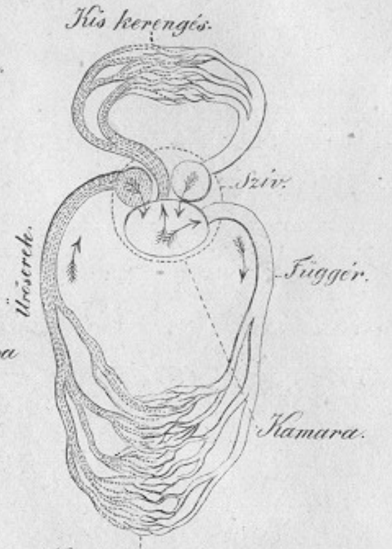
36ik ábra. Egy felhasitott vérér.



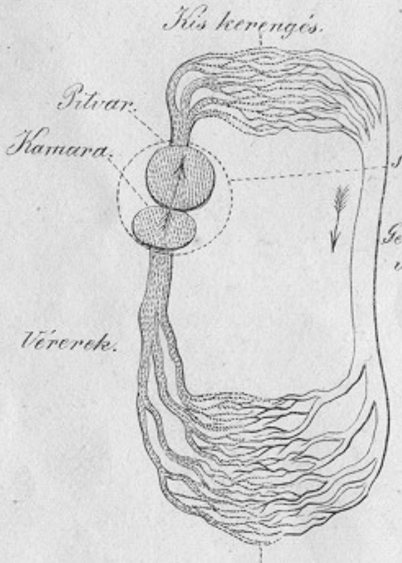
32ik ábra. Üterrendszer az emberben.



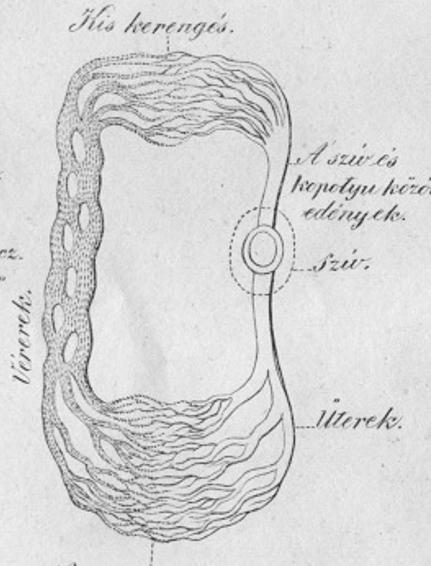
37ik ábra. Emlösök és Madarak.



38ik ábra. Hüllök. (reptilia.)

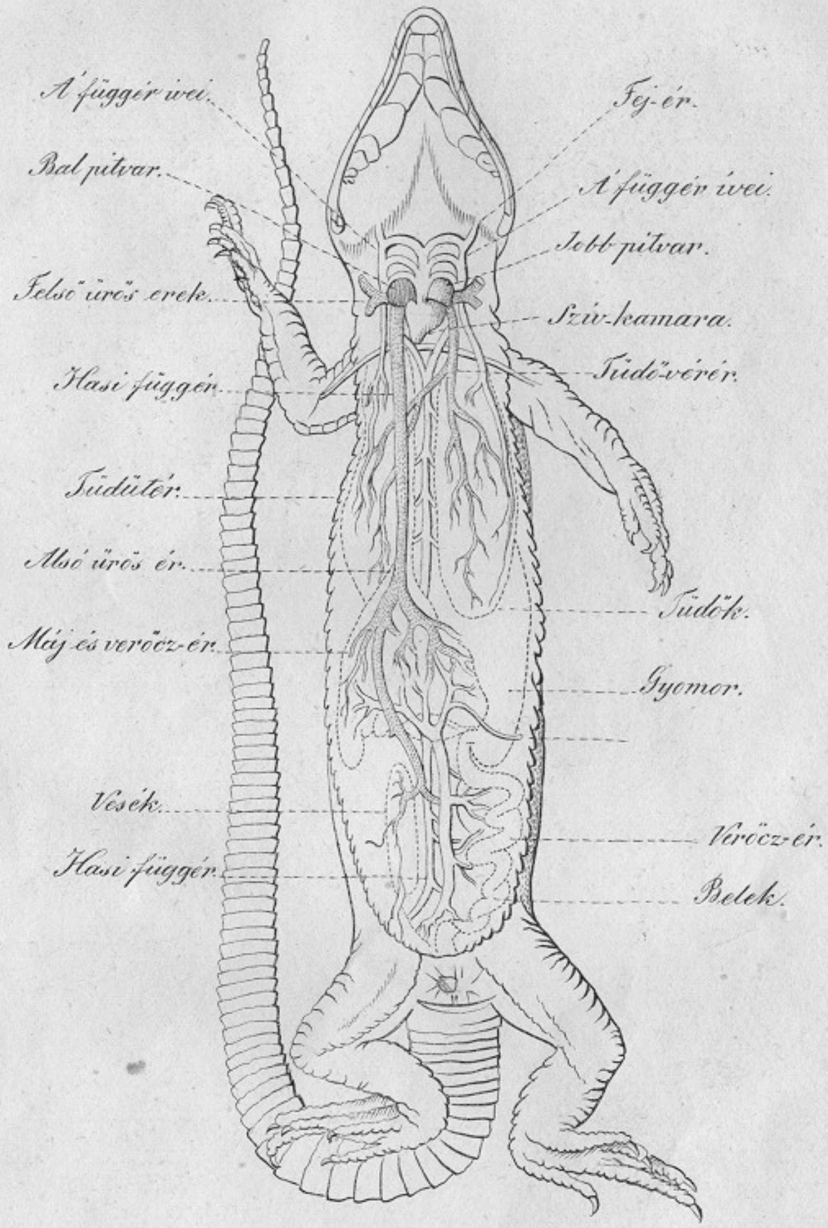


39ik ábra. Halak.

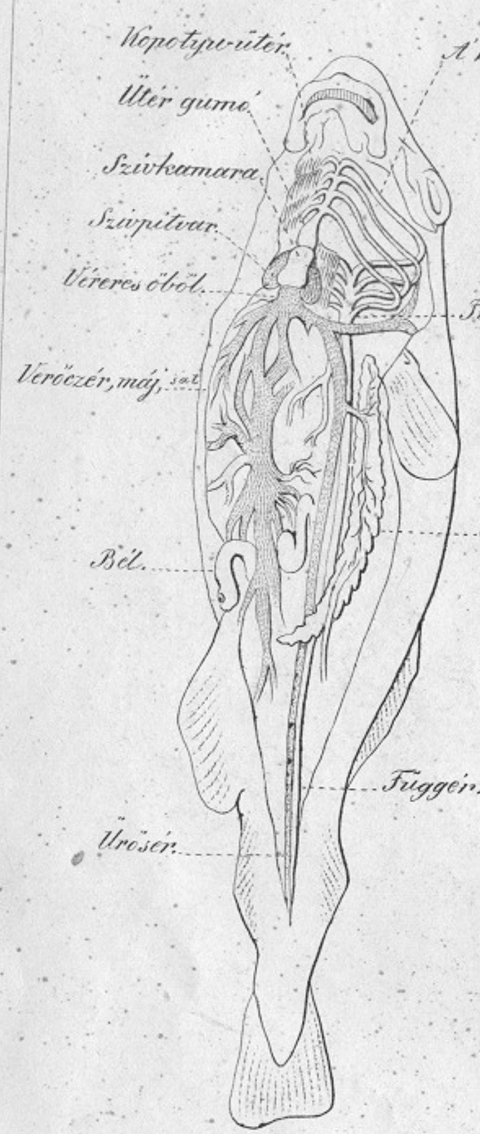


40ik ábra. Hüjjasok (Crustacea.)

A kerengés emléteti ábrái.



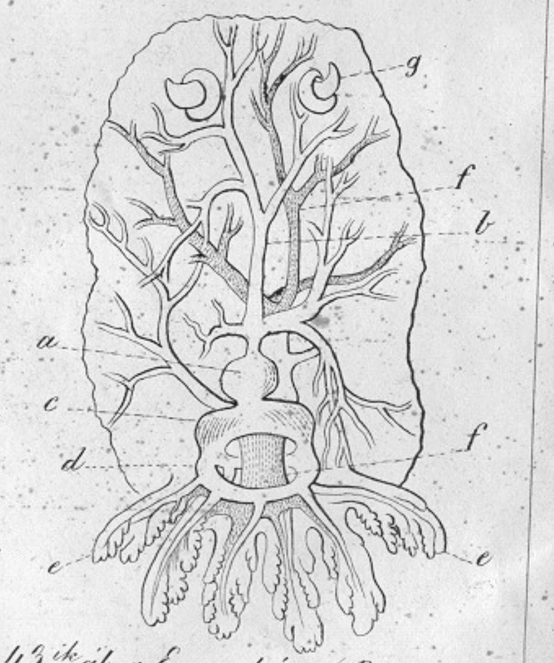
41ik ábra. Egy gyik kerengö szerszámzata.



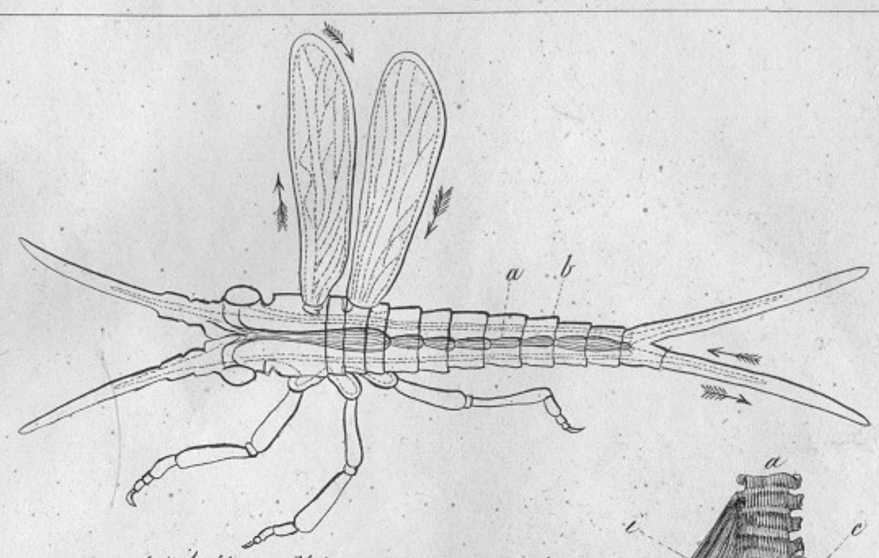
42ik ábra. Egy hal kerengő szerszámzata.



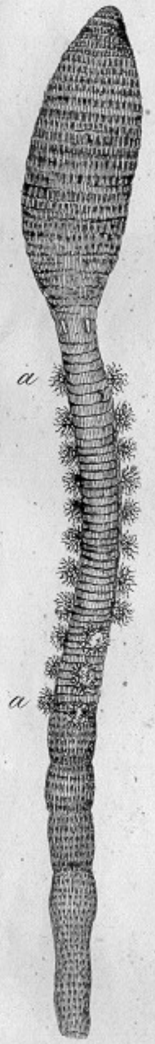
44ik ábra. Egy tengeri rák (Astacus marinus) kerengő szerszámzata.



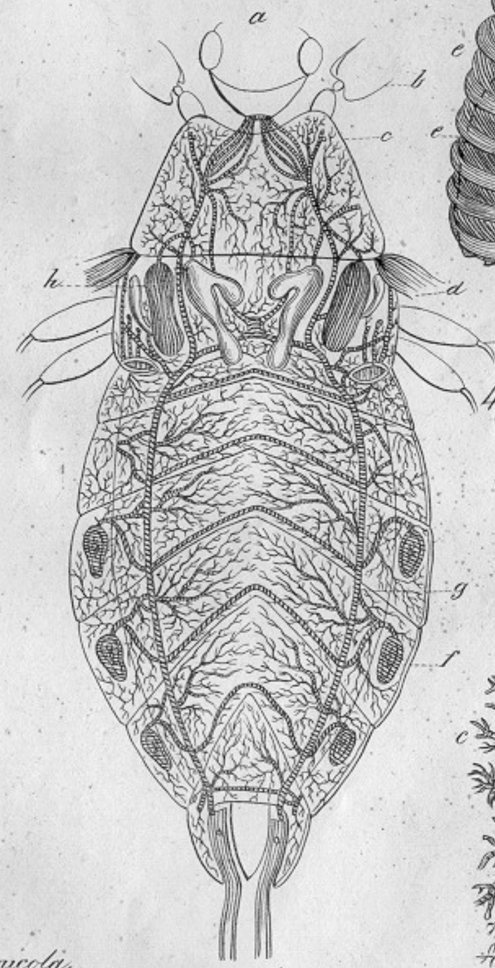
45ik ábra. Egy tengeri puhány (Doris) kerengő szerszámzata.



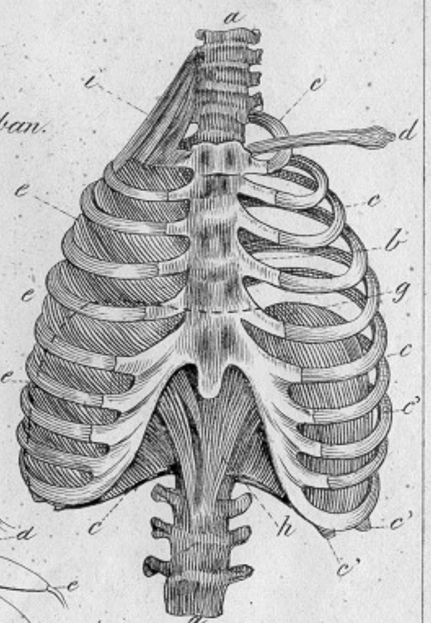
45ik ábra. Vérkerengés a' rovarokban.



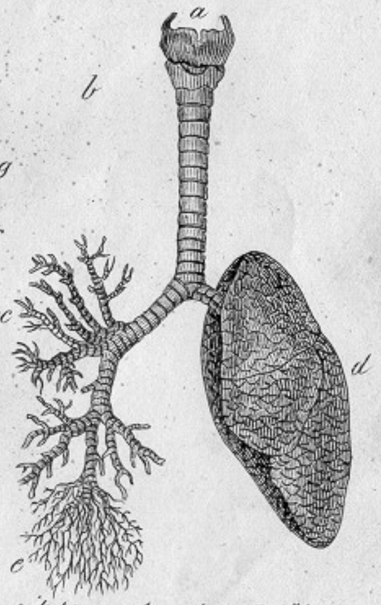
46ik ábra. Arenicola.



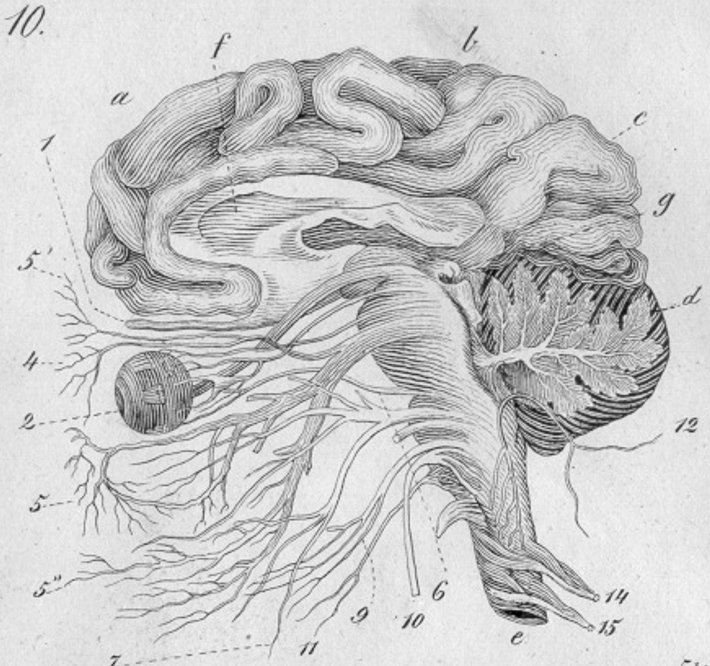
47ik ábra. Egy rovar lélegző szerszámzata.



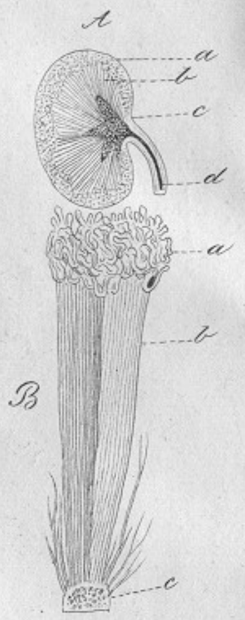
49ik ábra. Az ember mellkasa.



48ik ábra. Az ember tüdői és légcsői.



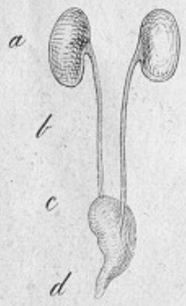
55ik ábra. Az agyvelő s.at. szelete.



51ik ábra. A vesék szerkezete.



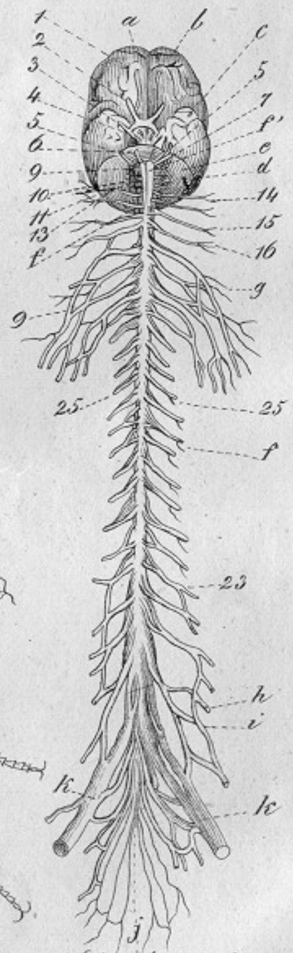
50ik ábra. Egy összetett mirigy (: a' fültömirigy :) bel szerkezete.



52ik ábra. Vizellő szerszámzat.

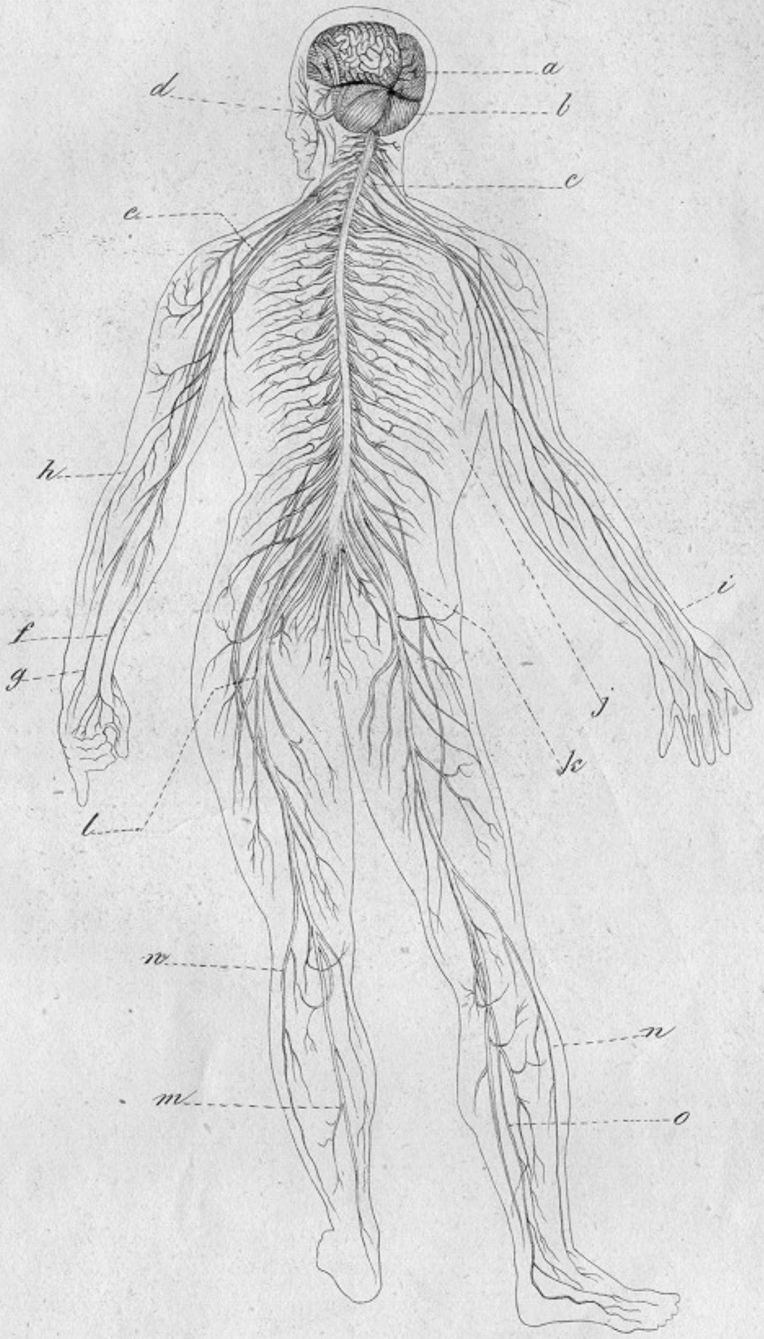


57ik ábra.

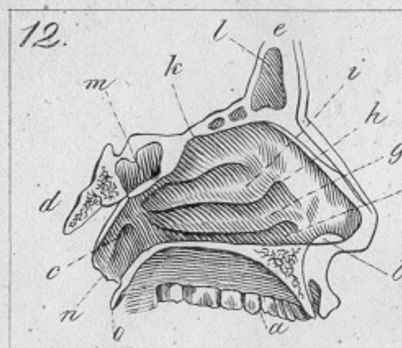


58ik ábra. egy rovar (: Carabus hortensis :) idegrendszere.

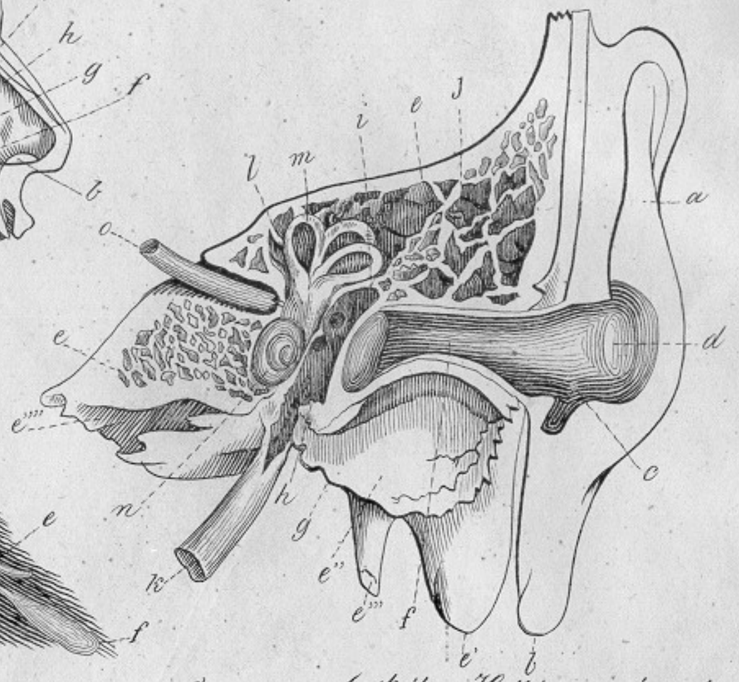
56ik ábra. Agyge- - rincz-tengely.



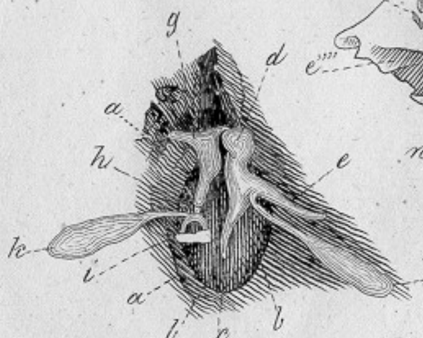
51ik ábra. Idegrendszer.



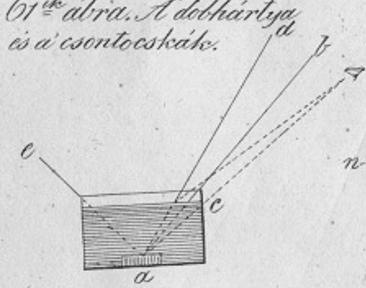
59ik ábra. Orrüregek.



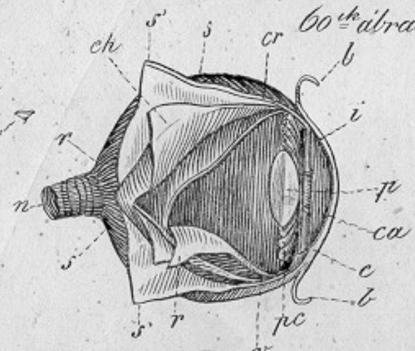
60ik ábra. Halló szerszámzat.



61ik ábra. A' dobhártya és a' csontocskák.



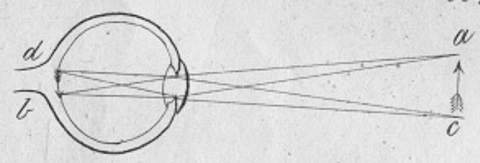
64ik ábra.



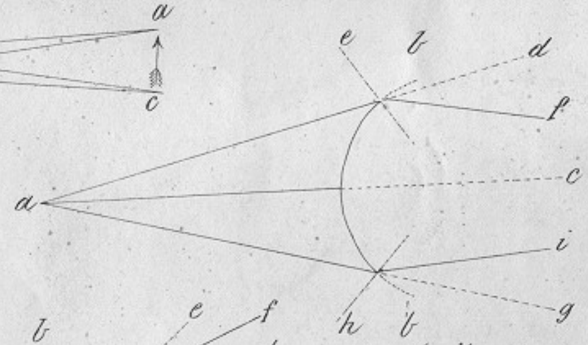
63ik ábra. Egy felhasitott szemgolyó



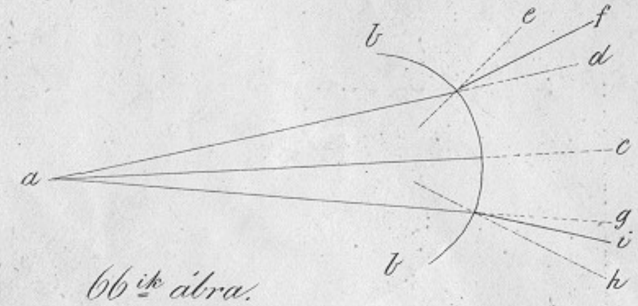
62ik ábra. A fül csontocskai.



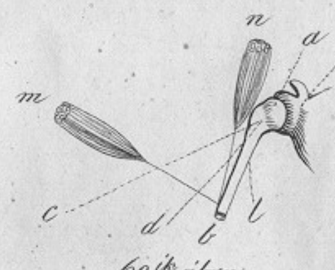
67ik ábra.



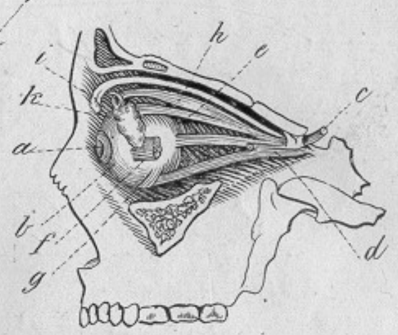
65ik ábra.



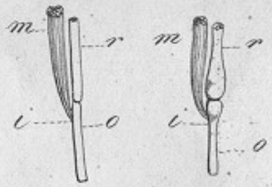
66ik ábra.



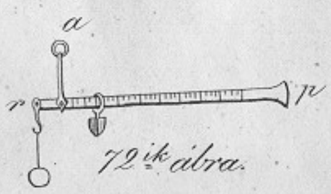
69ik ábra.



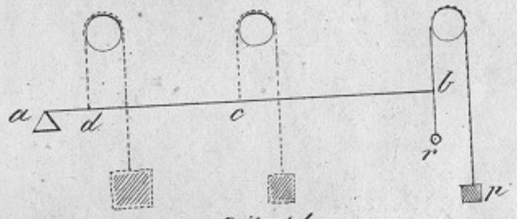
68ik ábra.



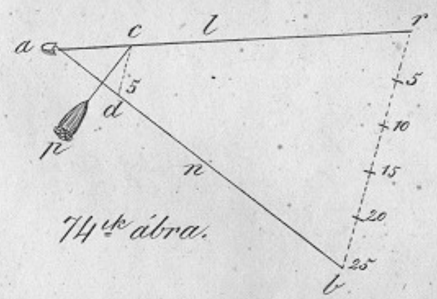
70ik ábra. 71ik ábra.



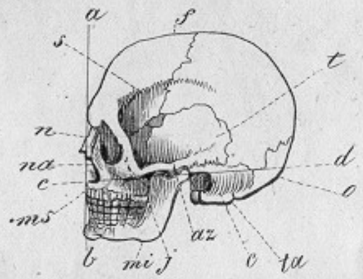
72ik ábra.



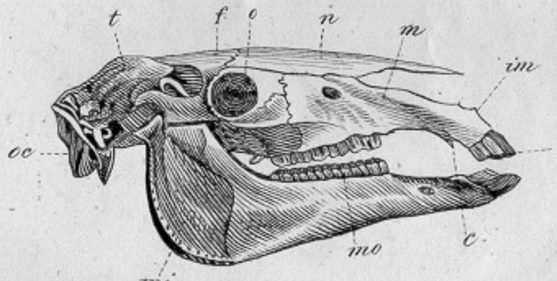
73ik ábra.



74ik ábra.



75ik ábra.



76ik ábra. Ló-fő.



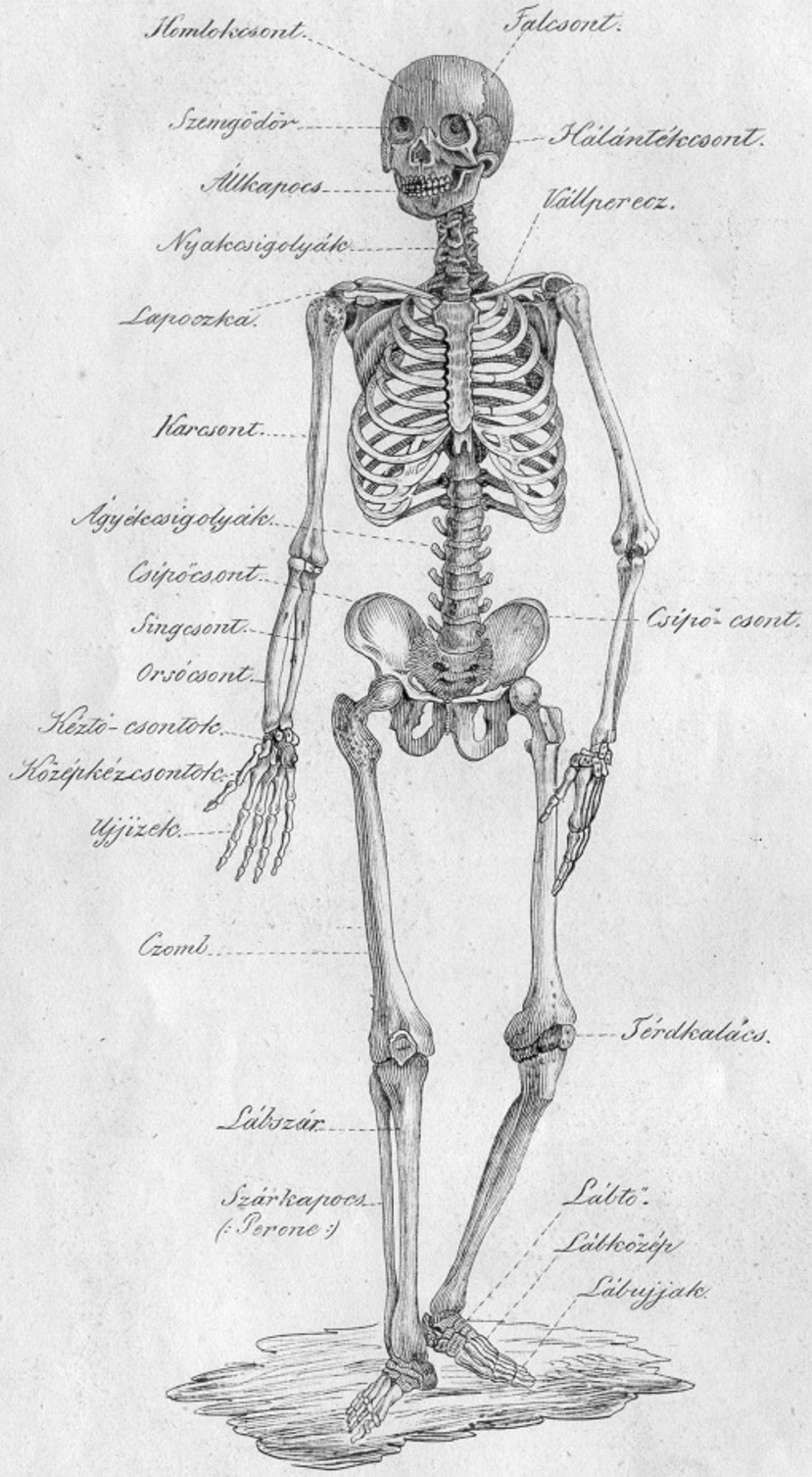
79ik ábra.



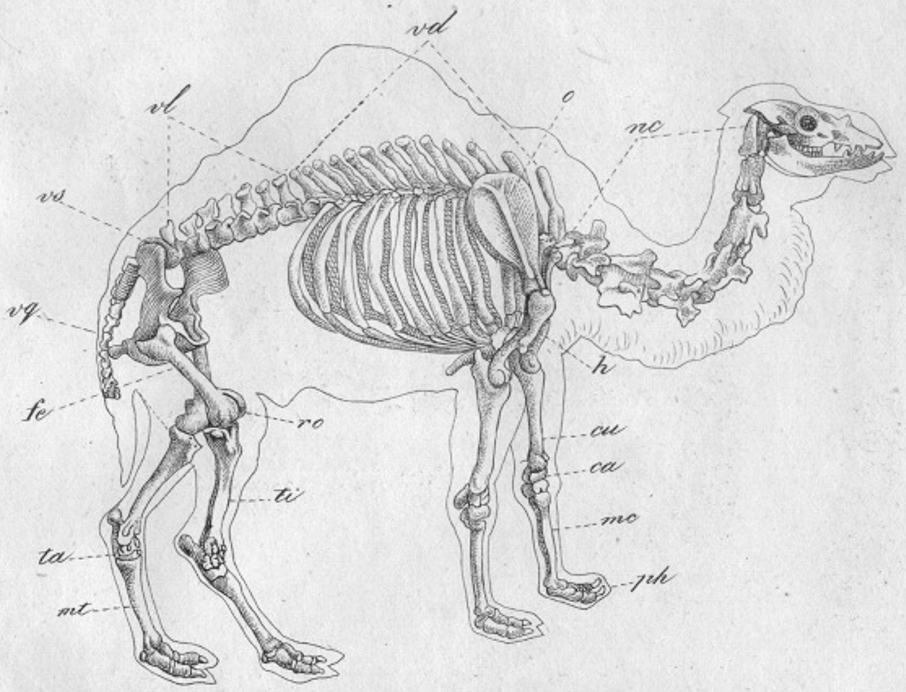
80ik ábra.



77ik ábra.



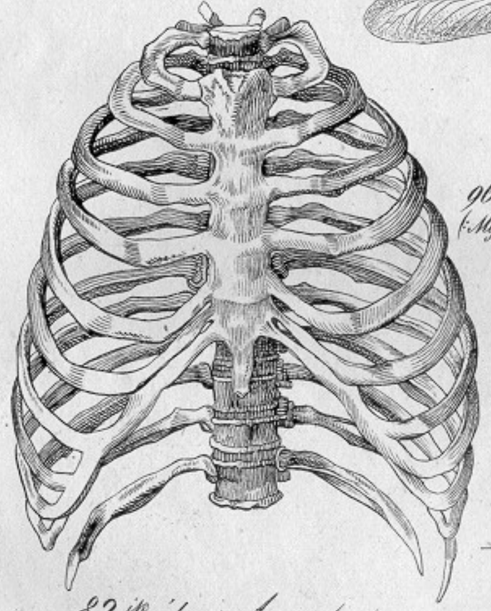
78ik ábra. Az ember csontvázа.



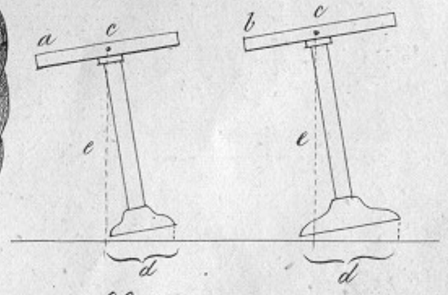
81ik ábra. Teve- váz.



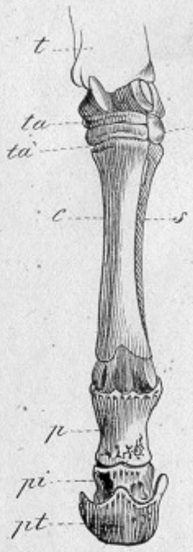
96ik ábra. Hangyapazér
(Myrmecoleon formicarius:)



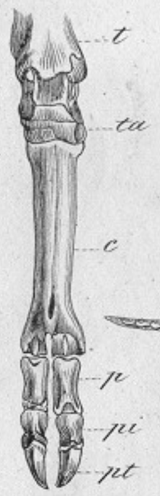
82ik ábra. Az ember mellkasa.



83ik ábra.



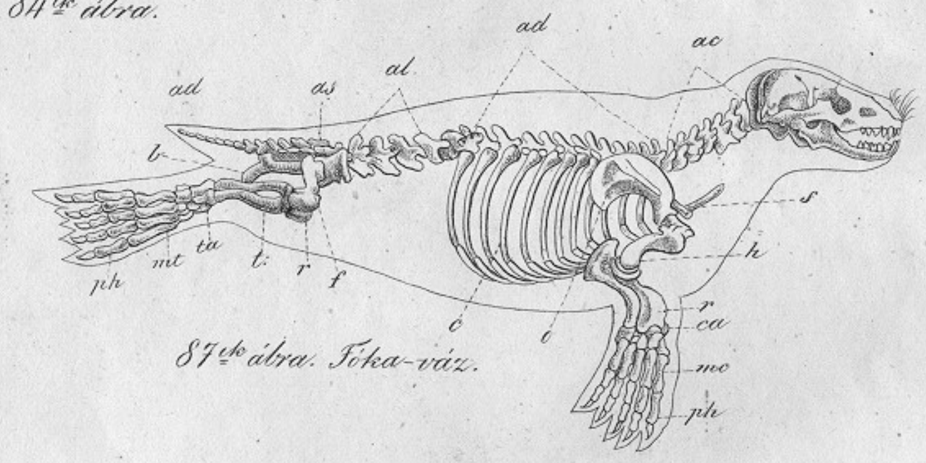
84ik ábra.



85ik ábra.



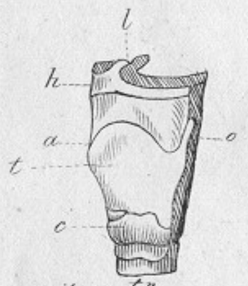
86ik ábra. Kanguru-vaz.



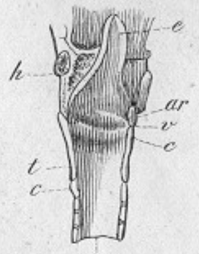
87ik ábra. Tőke-váz.



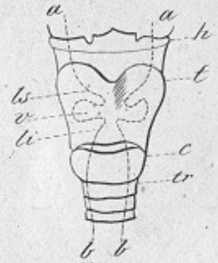
88ik ábra. Egy repülő hal (Dactyloptera volitans).



93ik ábra.



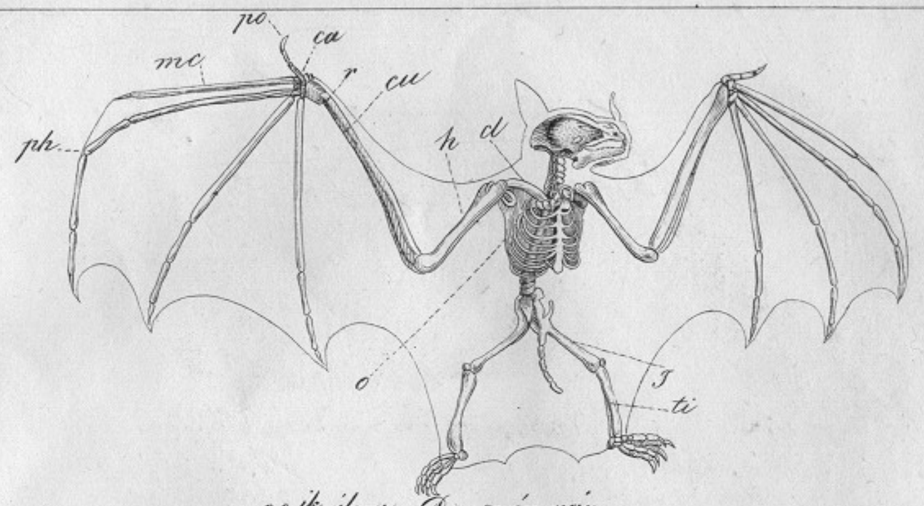
94ik ábra.



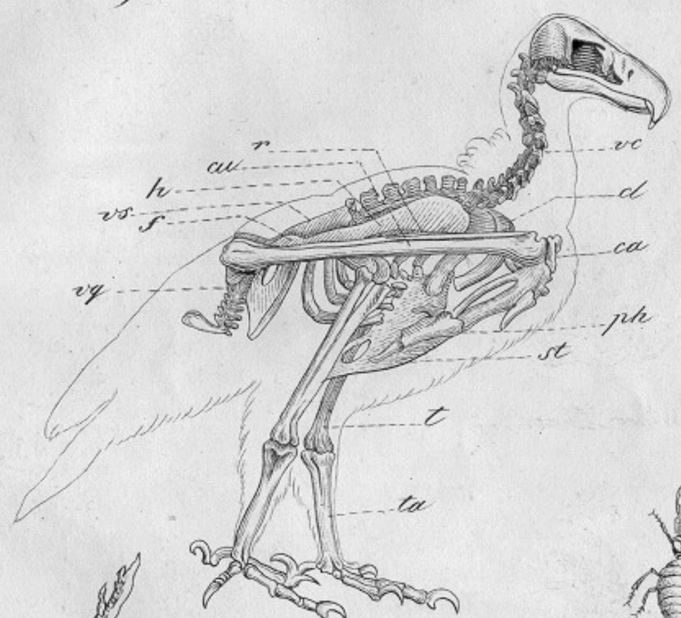
95ik ábra.



89ik ábra. Galeopithecus.



90ik ábra. Denevér-váz.



91ik ábra. Keselyű-váz.

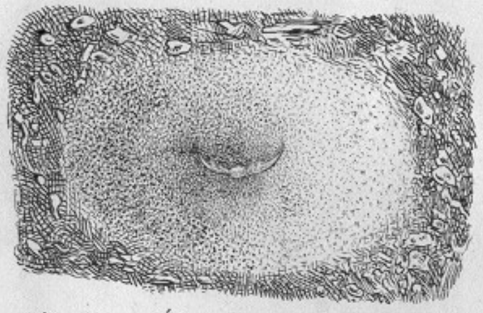
97ik ábra. A hangya-pazér lárvája.



92ik ábra. Cebus Capucinus. (Csuklyás kúcsfőd:)



101ik ábra. A' kömüves pók
(: Cteniza cementaria :) fészke.



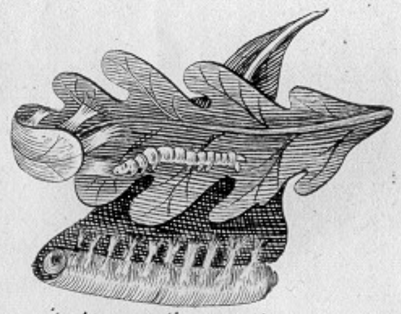
98ik ábra. A' hangyaparázér lesgödre.



99ik ábra. Evet.
(: Sciurus vulgaris :)



100ik ábra. Hörcsög.



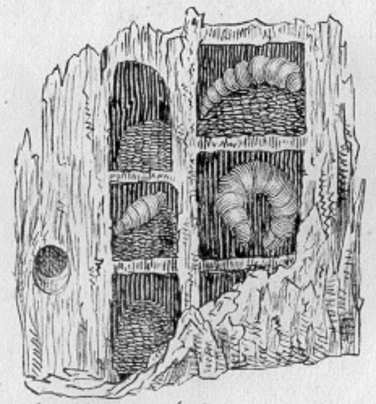
102ik ábra. A' zöld ilonoza.
(: Tortrix viridana :) fészke.



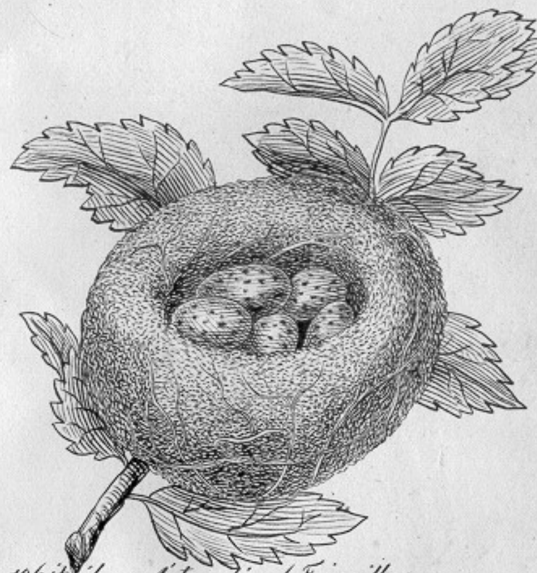
104ik ábra. Xylocopa.
(: Fürész bogár :)



103ik ábra. Temetőbogár.
(: Necrophora :)



105ik ábra. A' fürészbogár fészke.



106ik ábra. A' tenglicz (: Fringilla carduelis :) fészke.



107ik ábra. A' takácsmadár.
(: Ploceus :) fészke.



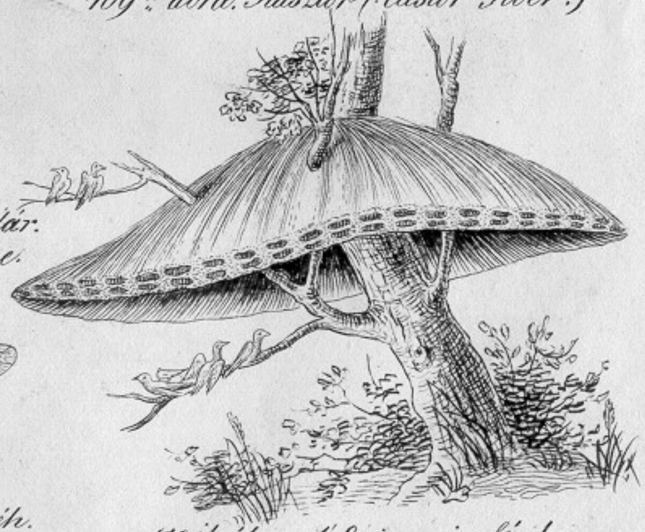
108ik ábra. A' varrómadár.
(: Sylvia sutoria :) fészke.



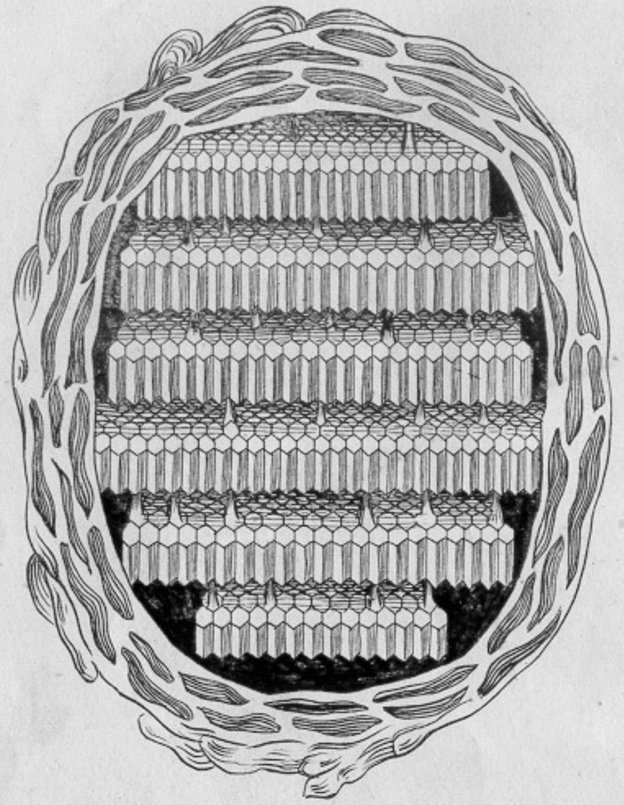
109ik ábra. Kásztor (: Castor Fiber :)



112ik ábra. Dolgozóméh.



110ik ábra. A' Loxia socia fészke.



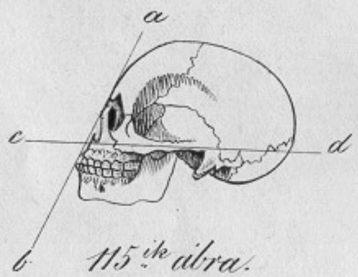
111 ik ábra. Darázsfészek.



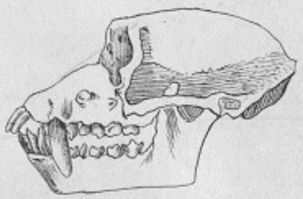
113 ik ábra. A méh egyik hátulsó lába.



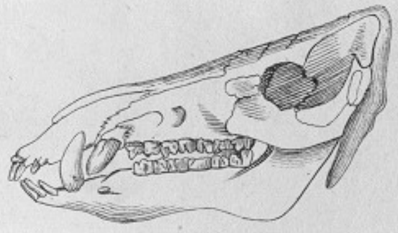
114 ik ábra. Orángutáng
(: Pithecus troglodites :)



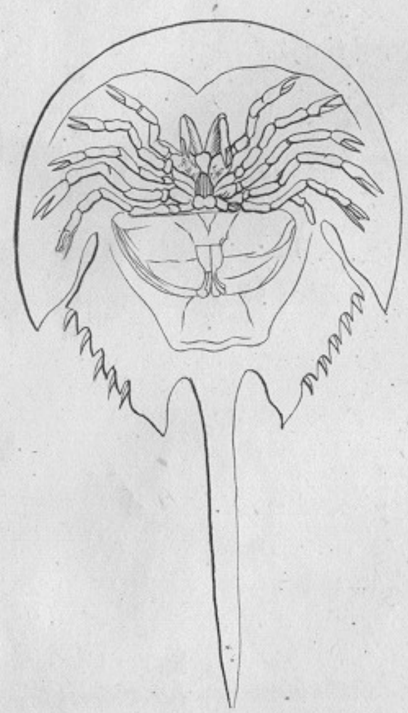
115 ik ábra.



116 ik ábra. A makogó majom
(: Cercopithecus Cynomolgus)
fejének csontváza.



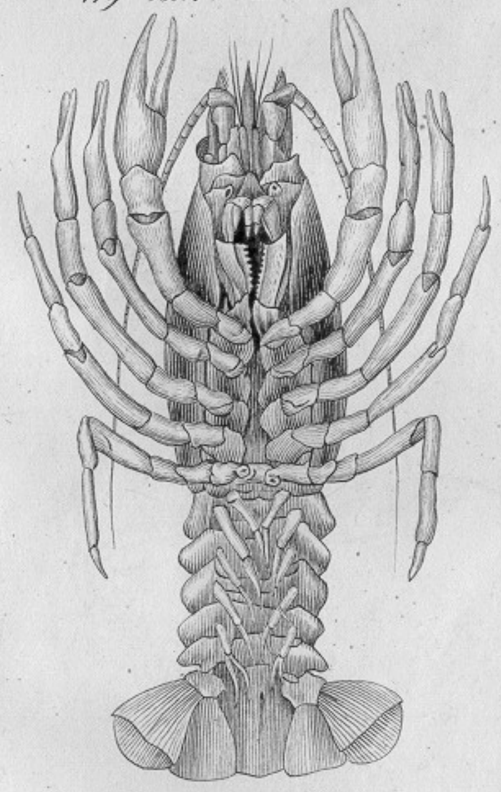
117 ik ábra.



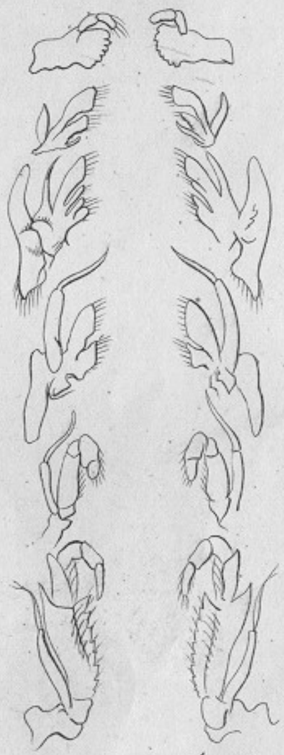
119 ik ábra. Limulus.



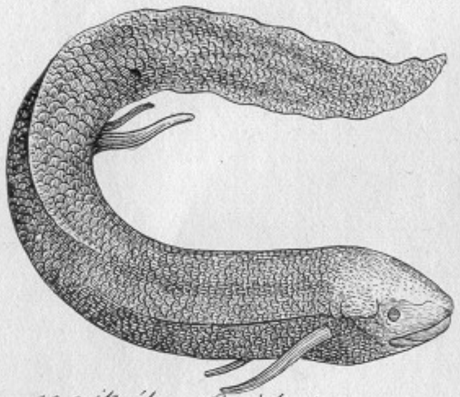
118 ik ábra. Hydra.



120 ik ábra. Rák.



121 ik ábra. A rák rágó szerszámzata.



123 ik ábra. Lepidosiren.



122 ik ábra. Siredon.



124 ik ábra. Egy oroszlán-fog.



125 ik ábra. Limnaea.



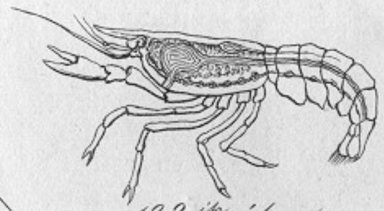
126 ik ábra. A' Limnaea lárvája.



127 ik ábra. Cyclops.



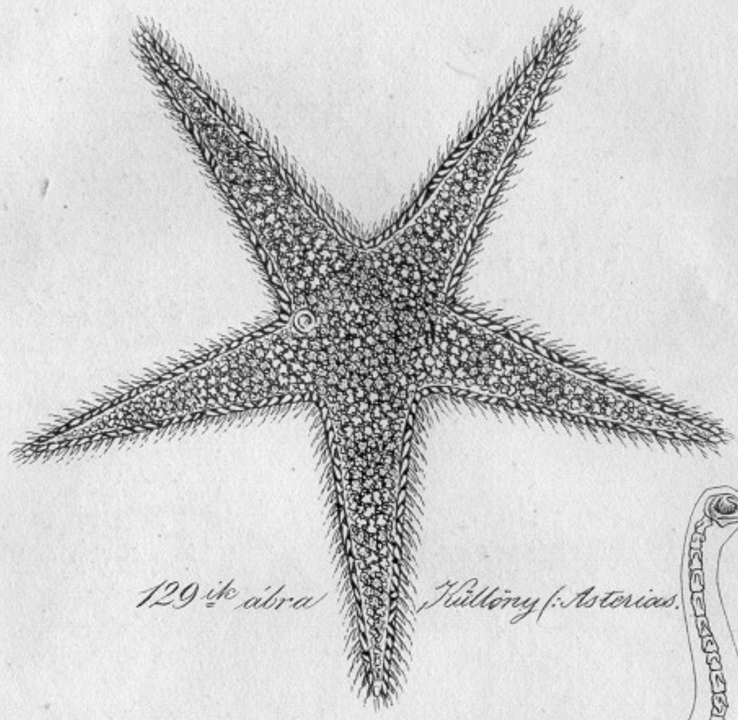
128 ik ábra. A' Cyclops lárvái.



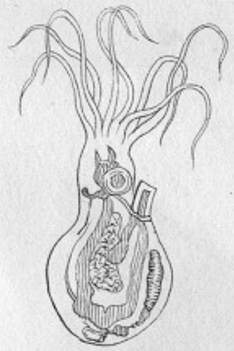
132 ik ábra.



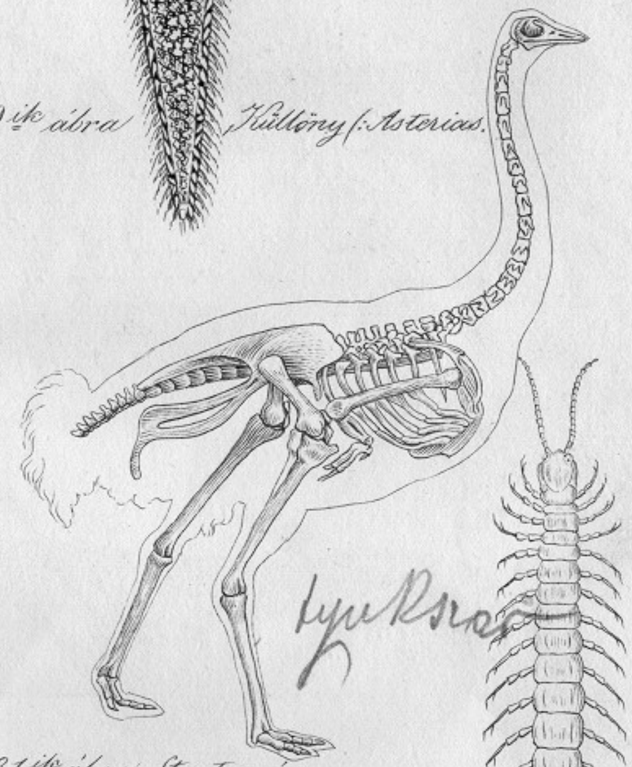
130 ik ábra.



129 ik ábra. Küllöny f. Asterias.



134 ik ábra.



131 ik ábra. Strutz-váz.



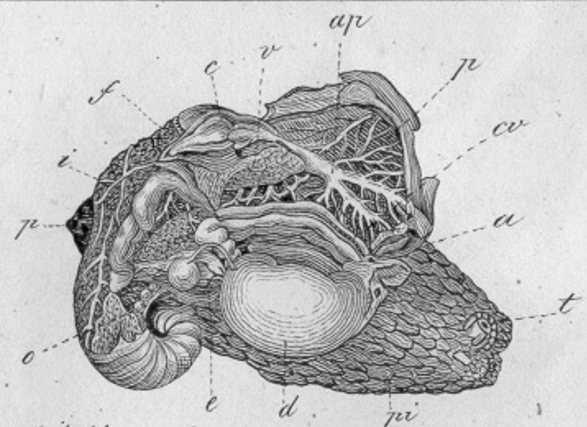
135 ik ábra. Hanyász
(: Limnaeus Stagnalis :).



133 ik ábra. Rinya
(: Scolopendra :).



137 ik ábra. Actinia.



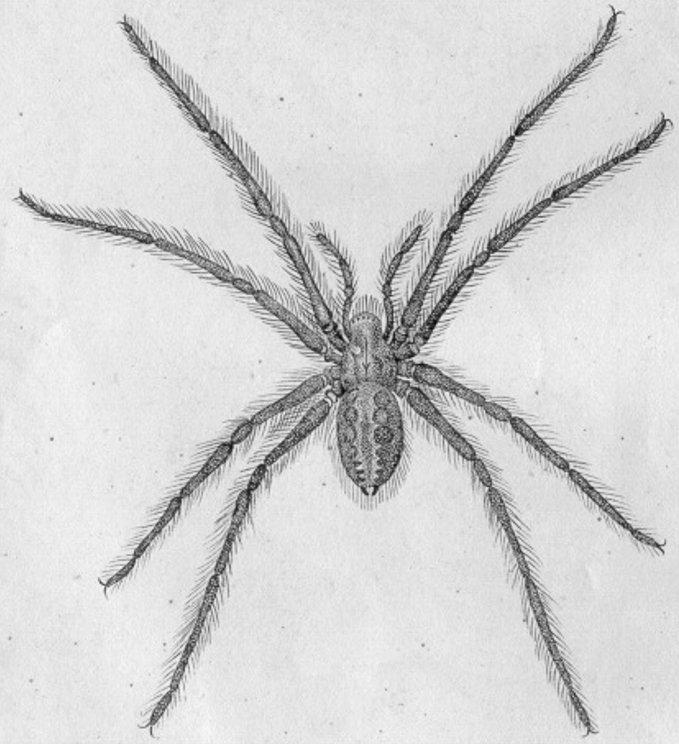
136 ik ábra. A kerti csiga belső részei.



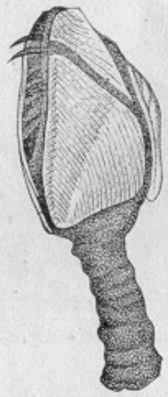
139 ik ábra. Szitás. (: Agrion :)



141 ik ábra. Talitrus.



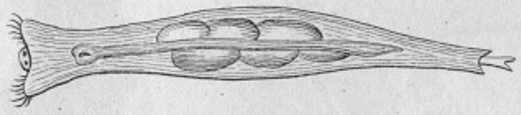
140 ik ábra. Házi pók (: Aranea domestica :)



142 ik ábra. Anatifa.



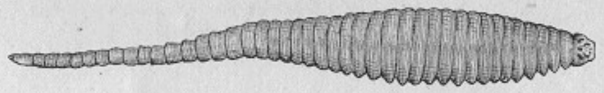
141 ik ábra. Telphusa.



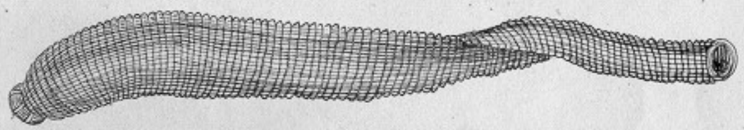
146 ik ábra. Rotifer.



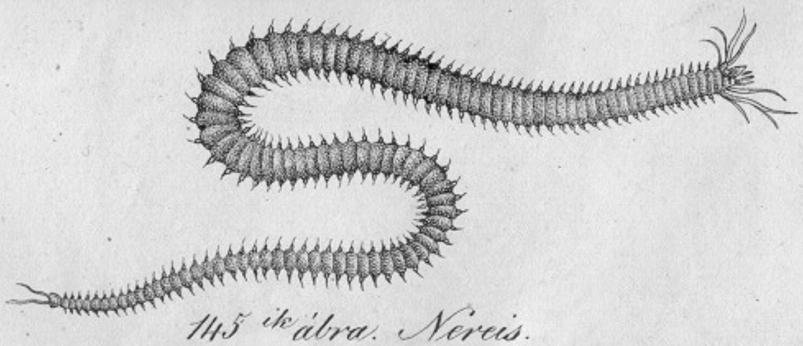
143 ik ábra. Az Anatifa belső részei.



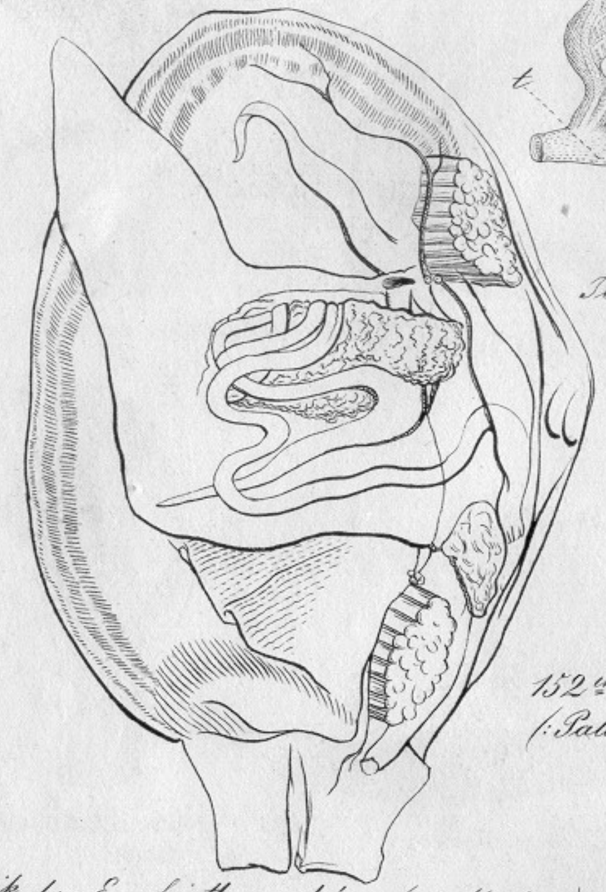
147 ik ábra. Lingatula.



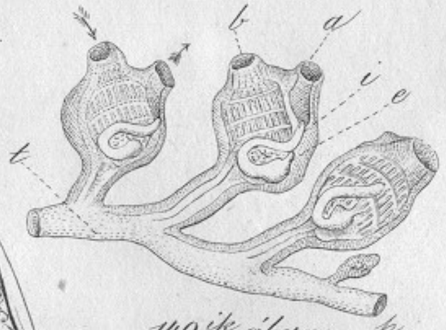
144 ik ábra Nadály (: Hirudo :)



145 ik ábra. Nereis.



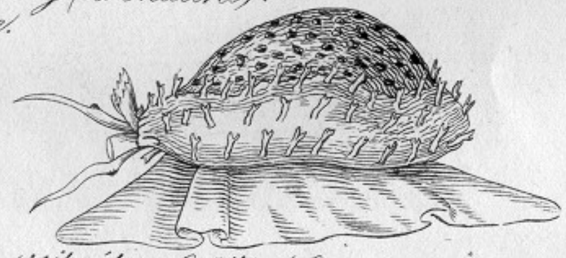
148ik ábra. Egy fejetlen puhány (: a' Mactra :) belseje.



149ik ábra. Társas Ascidia.



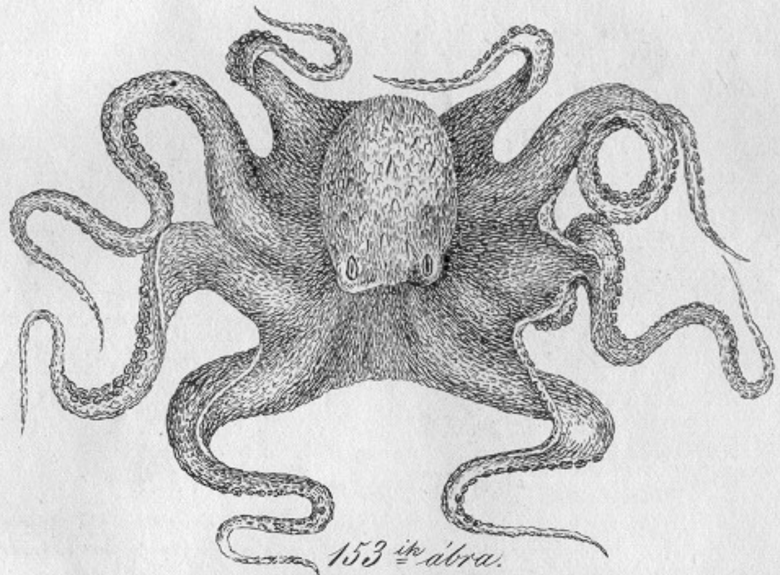
152ik ábra. A' mocsga (: Paludina :) kagylója.



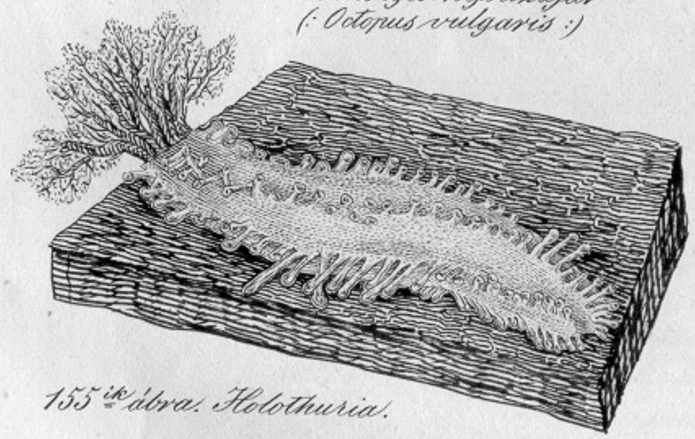
151ik ábra. Csüllör (: Cypraea :)



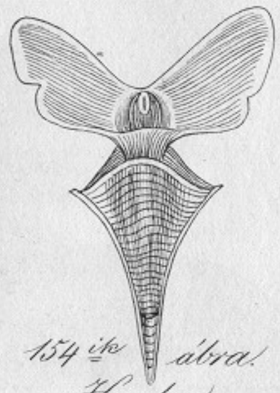
150ik ábra. Egy puhány (: Iridacna :) kagylója.



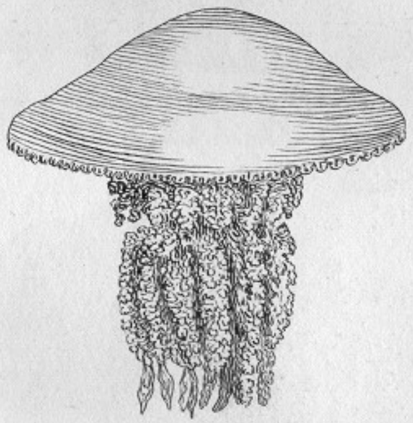
153ik ábra. közönséges nyolczajár (: Octopus vulgaris :)



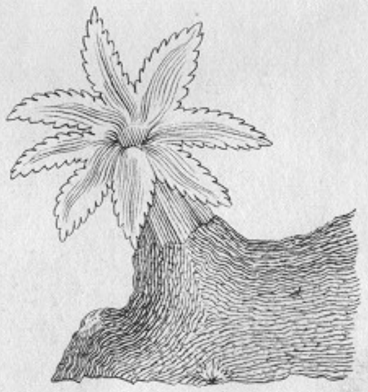
155ik ábra. Holothuria.



154ik ábra. Hyalea.



156ik ábra. Rhizostoma.



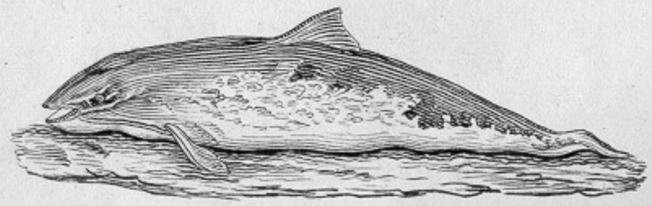
157ik ábra. Egy turány kabarcza.



158 ik ábra. Klária.



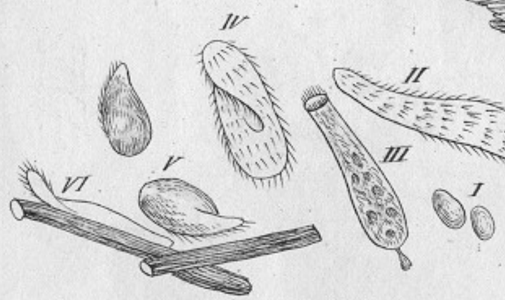
159 ik ábra. Egy puhány a Cartyophyllia nemből.



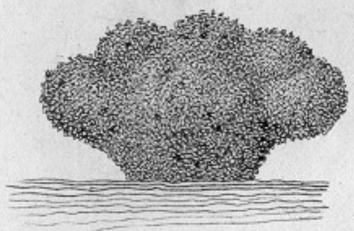
162 ábra. Delphinus Phocaena.



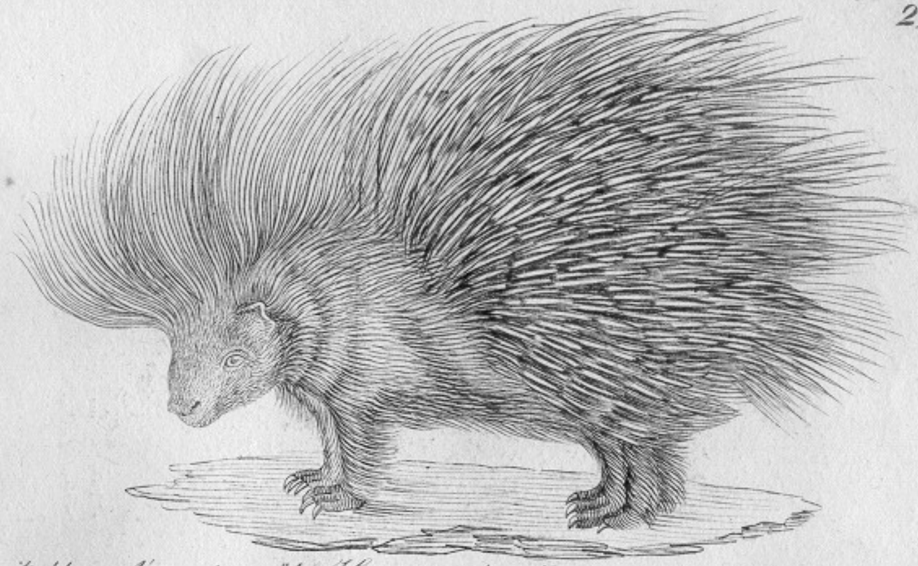
163 ik ábra. Fijahordó (: Didelphys :)



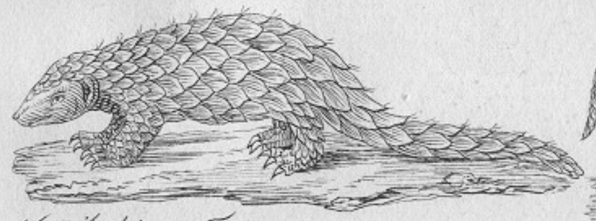
161 ik ábra. Ázalagok.



160 ik ábra. Szivacs (: Spongia :).



164 ik ábra. A tarajos sül (: Hystrix cristata :).



165 ik ábra. Tobzoska (: Manis macroura :).



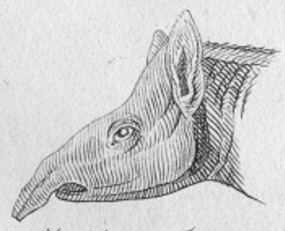
166 ik ábra. Orrszarvú (: Rhinoceros :).



167 ik ábra.



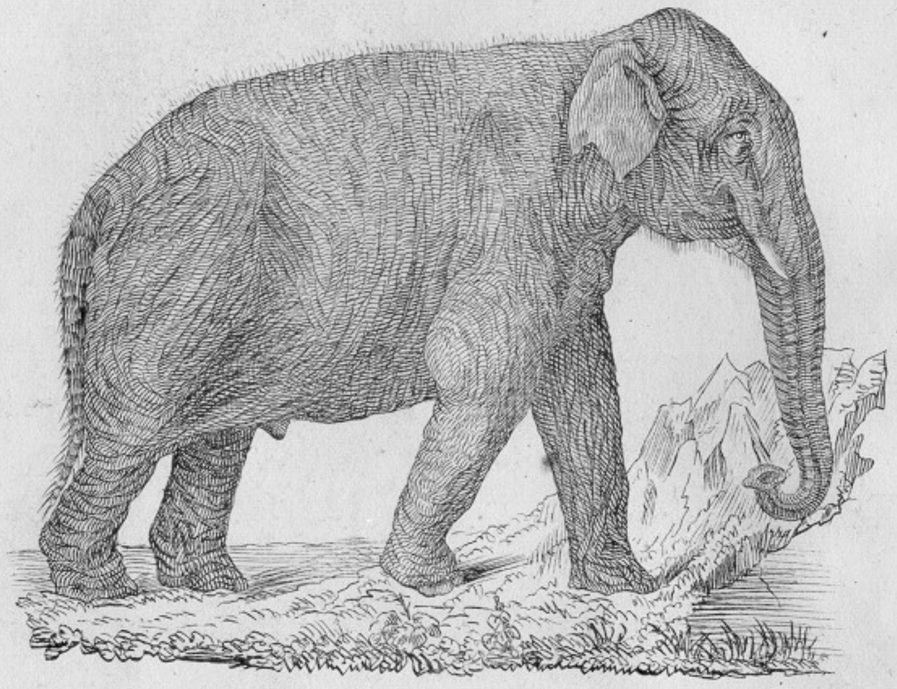
168 ik ábra. Szarvas (: Cervus :)



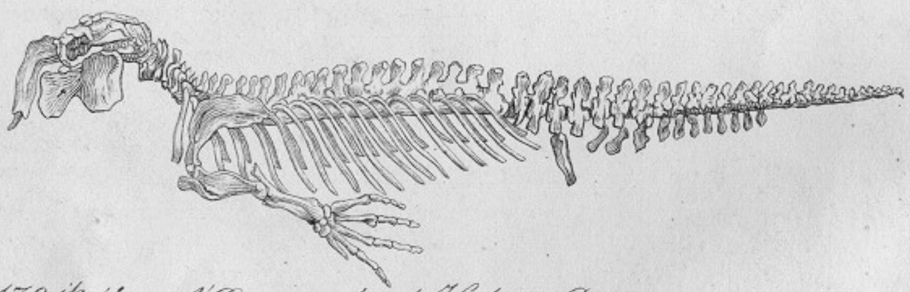
170 ik ábra. Tapir.



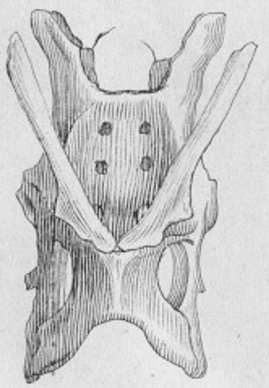
171 ik ábra. (: Mygale moschata :).



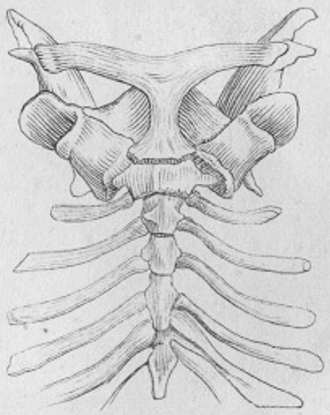
169 ik ábra. Indiai elefánt.



172 ik ábra. A' Dugong váza (: Halicore Dugong :).



174 ik ábra.



173 ik ábra.



176 ik ábra. A' vakondok lapoczkája.



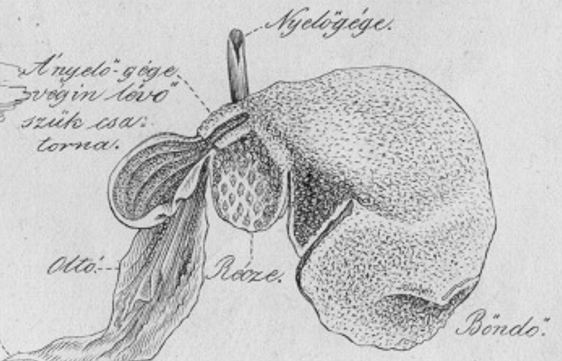
175 ik ábra. Vakondok (: Talpa :)



178 ik ábra. Pézmány (: Moschus :)



177 ik ábra. A' vakondok első lába.



179 ik ábra. A' juh gyomrainak belseje



180 ik ábra. Egy Maki a' fiókjával.



182 ik ábra. Hiéna.



193 ik ábra. Zsiráf.

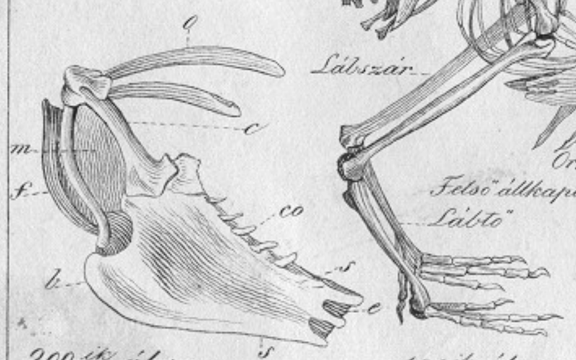


197 ik ábra. Kázuár.



Nyak-csigolyák.

Lapoczka.
Keresztcsont.
Farkcsik.
Lábszár.
Karcsont.
Vállporcz.
Mellcsont.
Orrüregek.
Könycsont.
Szemgödör.
Ujjporcz.
Kapocsnya.
Orrlyuk.
Felső állkapocs.
Lábtő.
Dobüreg.
Négyszögücsont.
Pofacsont.
Alsóállkapocs.
A szemgödröc közötti válaszfal.



200 ik ábra.

198 ik ábra.

199 ik ábra. Sas-fő.



202 ik ábra. Frégát (Tachypetes.)



201 ik ábra. Egy Solyom szárnya.

203 ik ábra. Egy karvaly szárnya.



204 ik ábra. Harkály. (Picus medius.)



205 ik ábra. Ibis.



208 ik ábra. Afrikai Strutz.



207 ik ábra. Sas. (Aquila fulva.)



206ik ábra. Pingvin (: Aptenodites :).



209ik ábra. Európai vérlábu (: Himantopus atropterus :).



211ik ábra. A Strutz agyveleje.



212ik ábra. Kánya (: Milvus :)



210ik ábra. Fekete réczc (: Anas nigra :)



213ik ábra. Solyom-fő.



214ik ábra.



219ik ábra. Jégmadár (: Alcedo ispida :).



220ik ábra. Veréb (: Fringilla domestica :)



215ik ábra. Parlagi sas. (: Vultur fulvus :).



216ik ábra. Marabu. (: Ciconia Marabu :)

218ik ábra. Kecskefejő. (: Caprimulgus europaeus :)



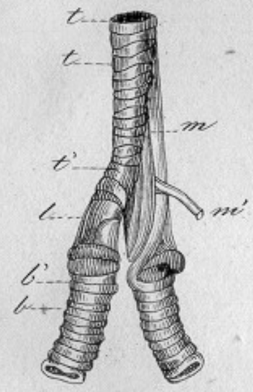
217ik ábra. Gyurgyalag. (: Merops Apiaster :)



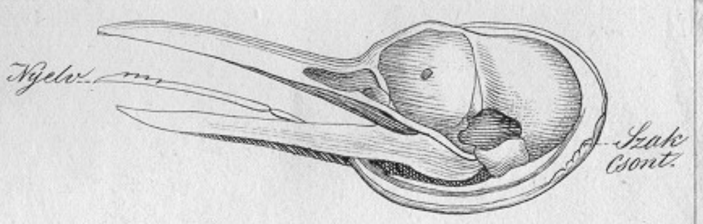
221ik ábra. Pelikán.



222ik ábra. Szarvasmadár. (: Buceros Rhinoceros :)



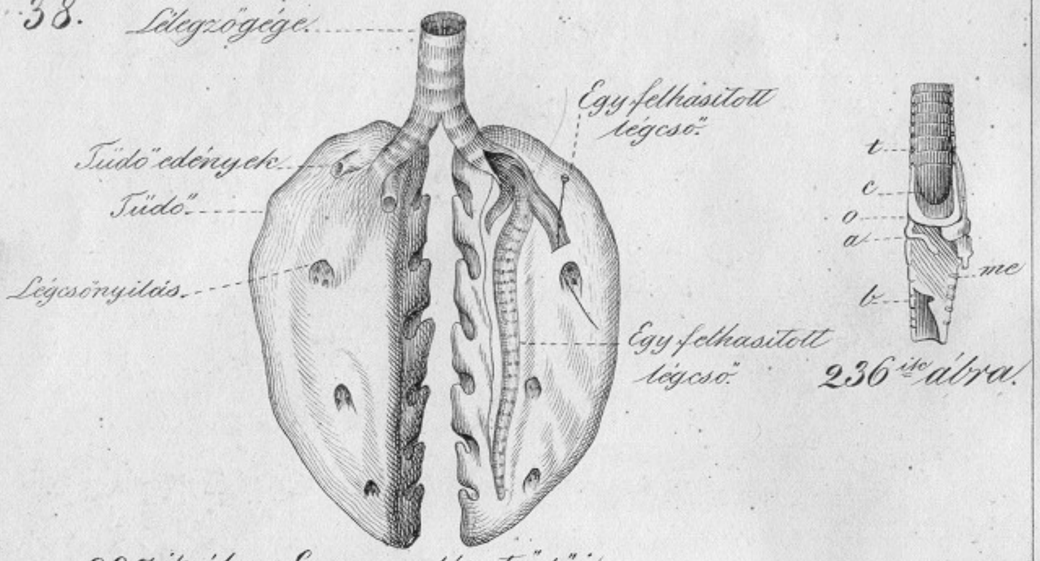
228ik ábra.



224ik ábra. Harkály-fő.

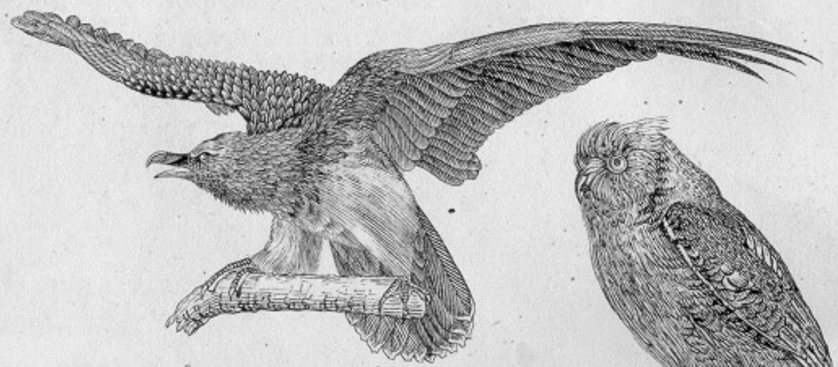


223ik ábra.



227ik ábra. Egy madár tüdői.

236ik ábra.



231ik ábra. Szakálos griff.
(: Gypaëtos barbatus :)



232ik ábra.
(: Scops vulgaris :)



233ik ábra.
Paradiesom.
madár.



234ik ábra.
(: Sitta europaea.

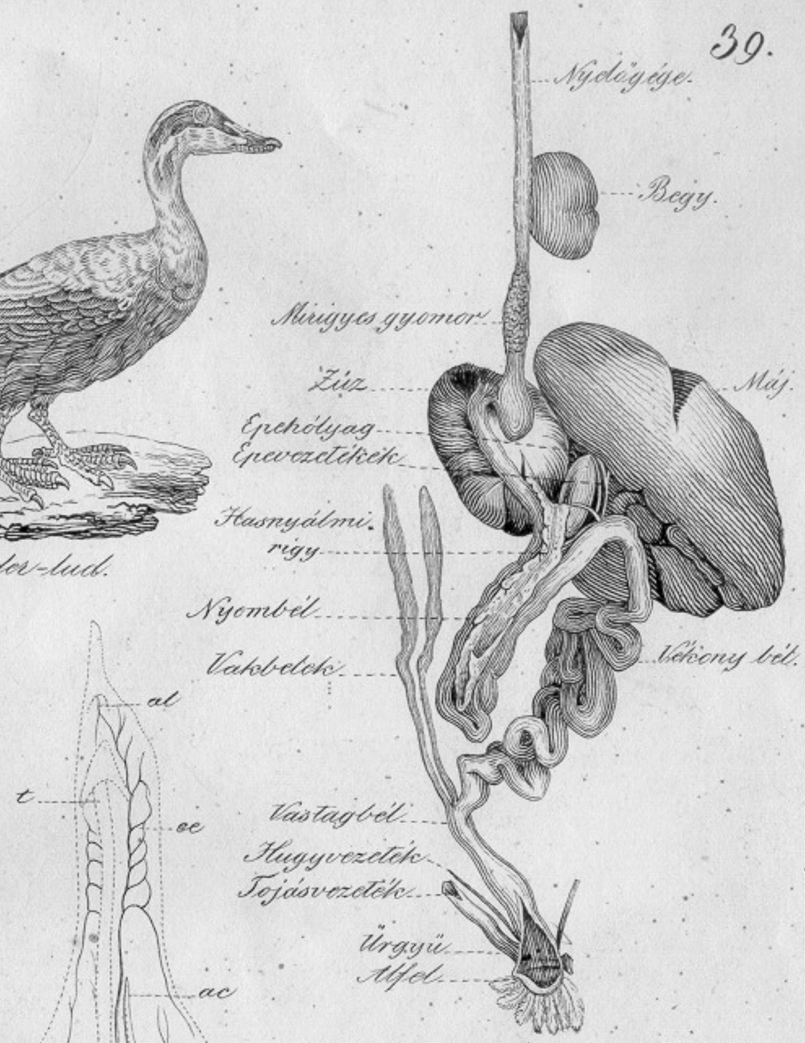


235ik ábra. Tolvajszarka.
(: Lanius excubitor :)

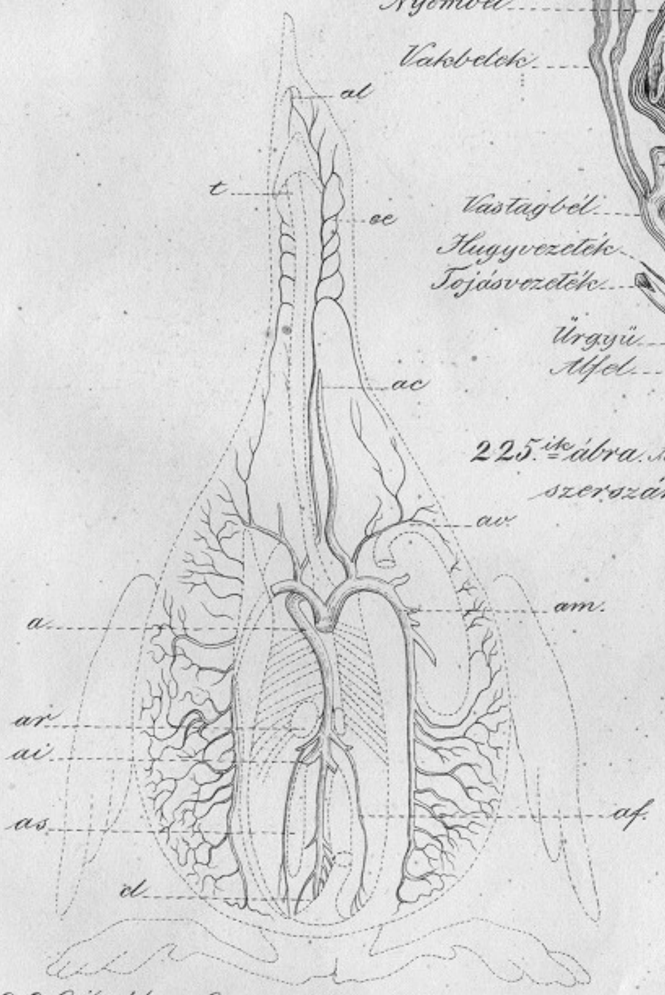
Sórár



230ik ábra. Eider-kud.



225ik ábra. A csirke emésztő szerszámzata.



226ik ábra. Egy madár ütérrendszere.



236ik ábra.
(: Regulus crococephalus :)



237ik ábra.
Kolibri (: Trochilus :)



238ik ábra. Ara.
(: Macrocerus. :)



239ik ábra. Hó fajd.
(: Tetrao Lagopus. :)



240ik ábra. Holyó
(: Crax :)



242ik ábra. Dobos gém.
(: Ardea stellaris :)



241ik ábra. Daru.



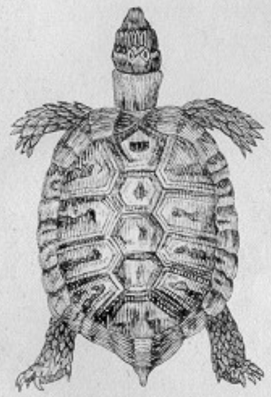
247ik ábra. Varangy
(: Bufo vulgaris :).



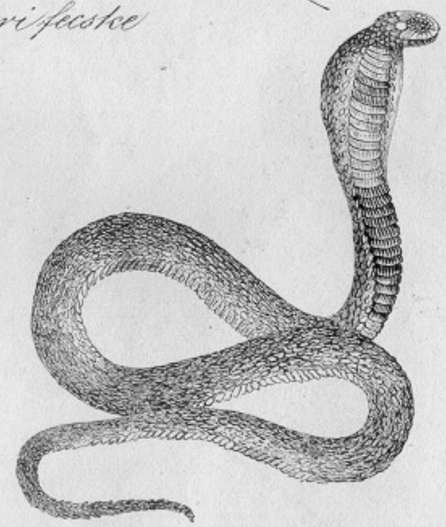
243ik ábra. Lángmadár
(: Phoenicopterus :).



244ik ábra. Tengeri fecskе
(: Sterna :)



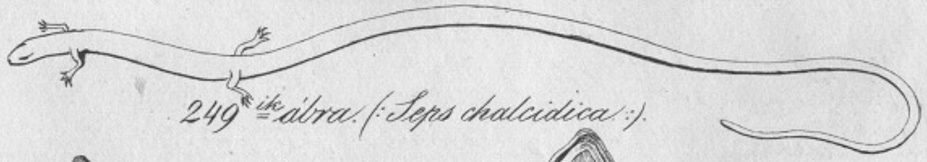
246ik ábra. Kocskás teknecz
(: Testudo graeca :).



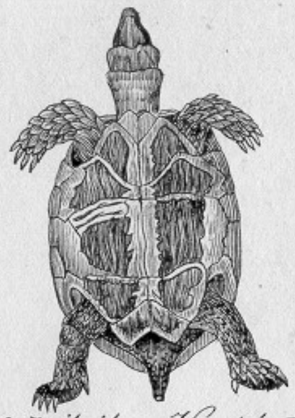
248ik ábra.
(: Naja Haje :).



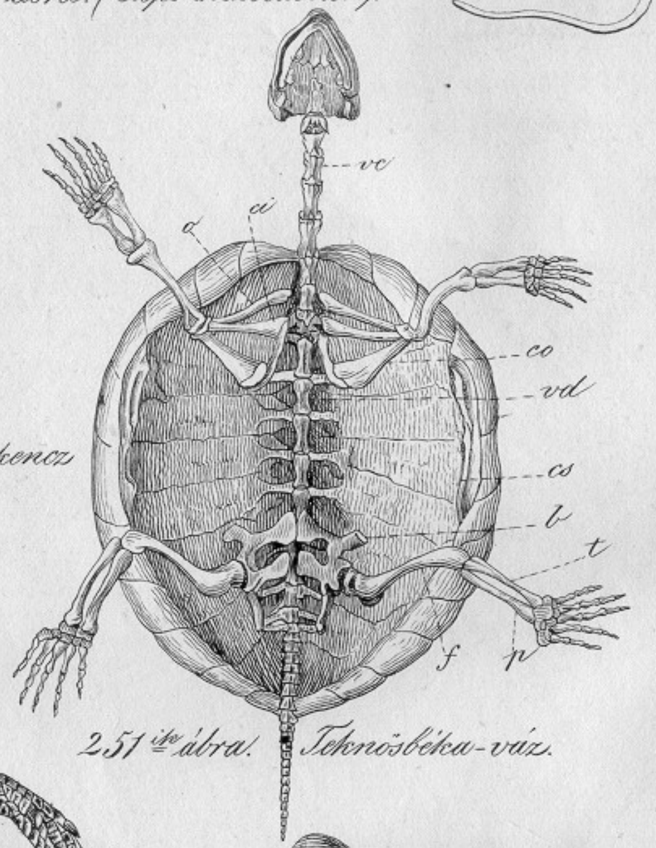
245ik ábra. Krokodil (: Crocodilus :)



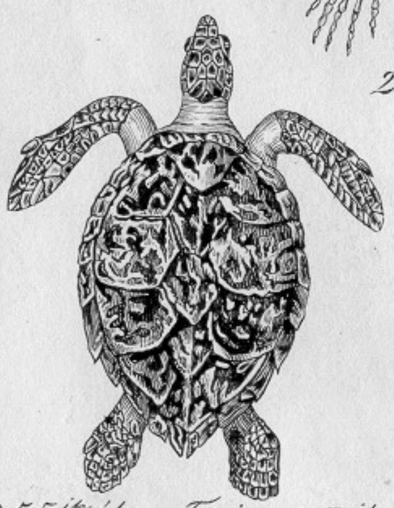
249ik ábra. (: Seps chalcidica :).



250ik ábra. Kocskás teknecz
(: Testudo graeca :)
hanyatt fektetve.



251ik ábra. Teknősbéka-váz.



255ik ábra. Tarjagos tajkoncz
(: Chelonia imbricata :)



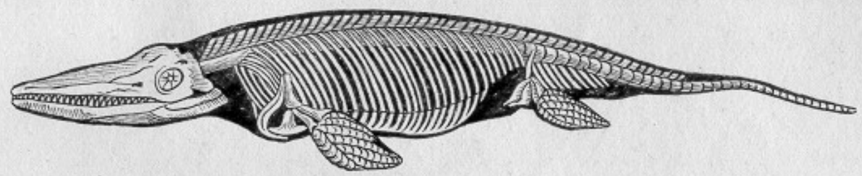
252ik ábra. Lovelí béka.
(: Hyla arborea :)



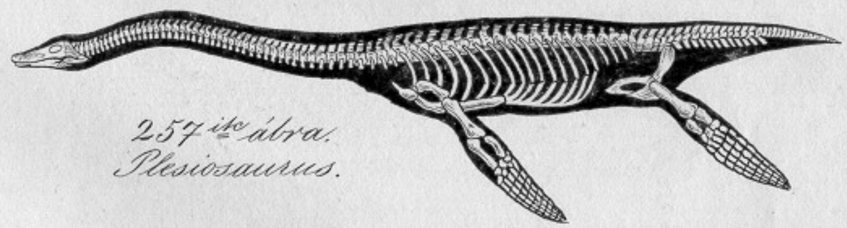
253ik ábra. Gekko (: Ascalobates murorum :).



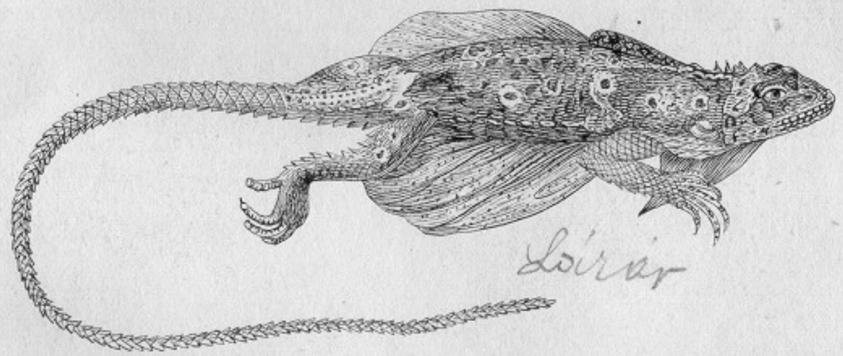
254ik ábra. Kaméleon
(: Cameleo africanus :).



256ik ábra. Ichtyosaurus.



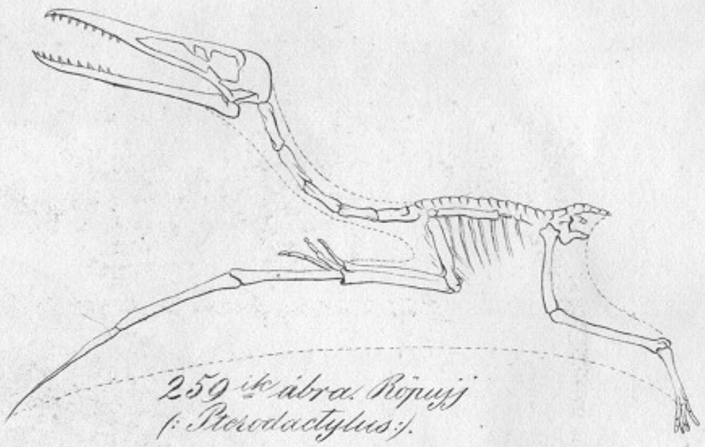
257ik ábra.
Plesiosaurus.



258ik ábra. Repülő sárkány (: Draco :).



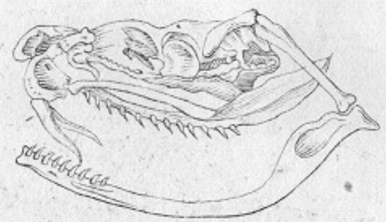
260ik ábra.



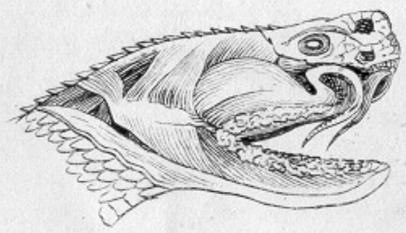
259ik ábra. Rójunj
f. Steiodactylus f.



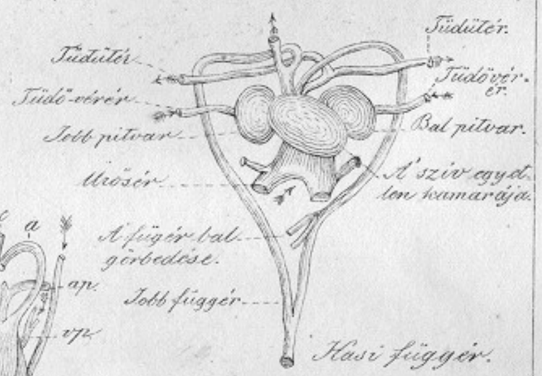
261ik ábra.



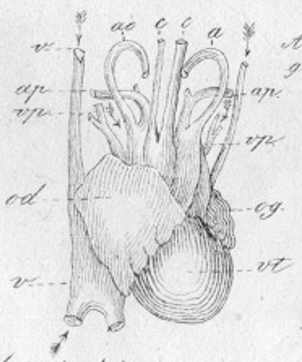
262ik ábra. A csörgő kígyó
fejének váza.



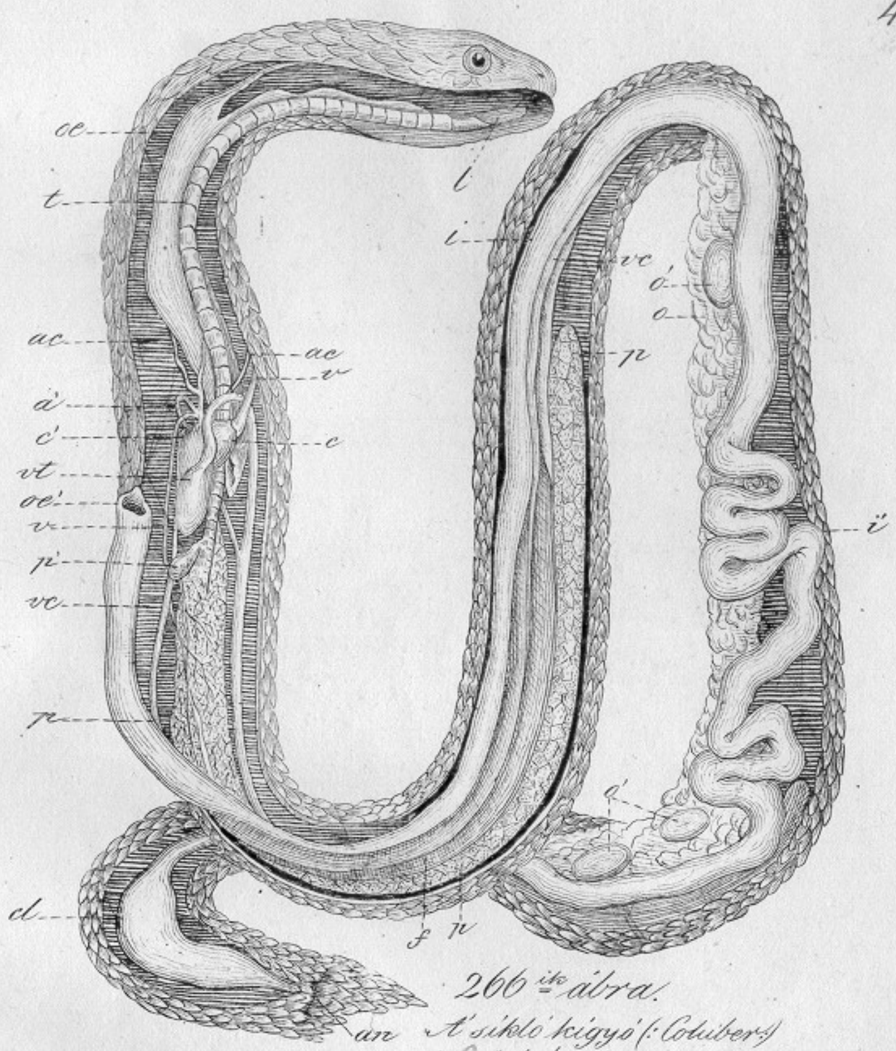
263ik ábra.



264ik ábra.



265ik ábra.



266ik ábra.
A sikló kígyó f. Coluber f.
belrészei.



269ik ábra.



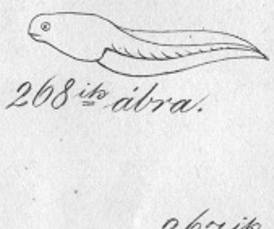
270ik ábra



272ik ábra.



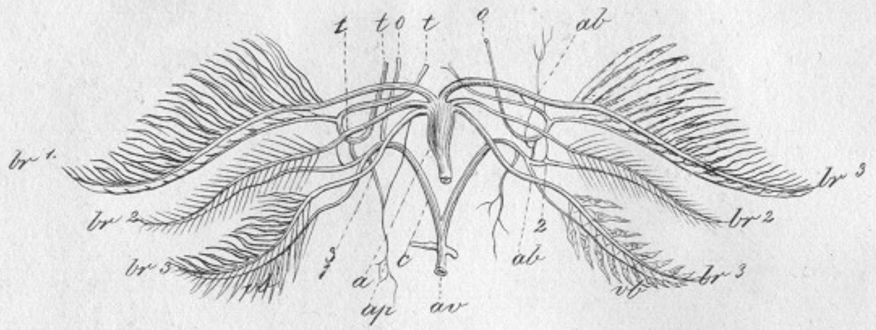
271ik ábra.



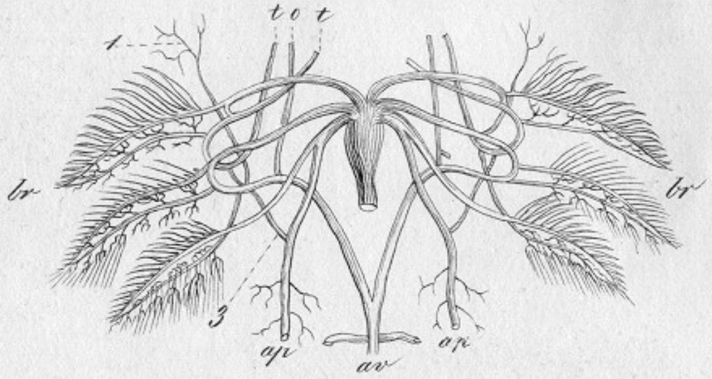
268ik ábra.



267ik ábra.



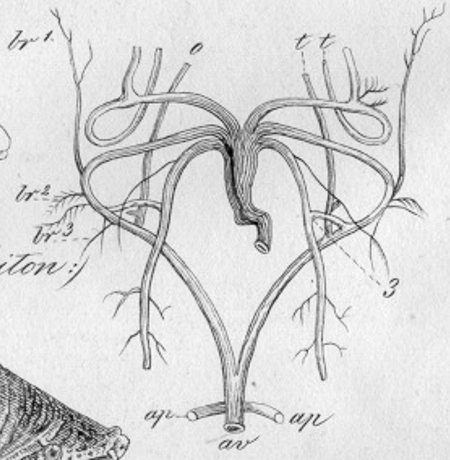
273ik ábra. A' salamandra-czenk véredényei.



274ik ábra.



276ik ábra. Vízi salamandra (: Triton :)



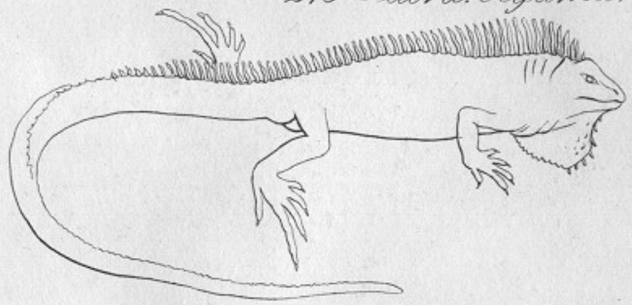
275ik ábra.



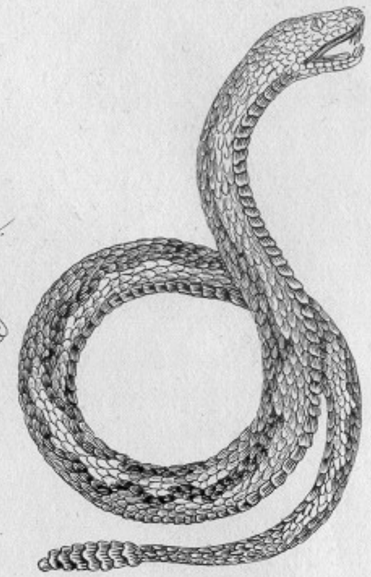
277ik ábra. Czippete (: Pipa :)



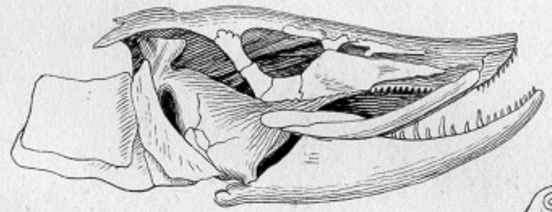
278ik ábra. Agama.



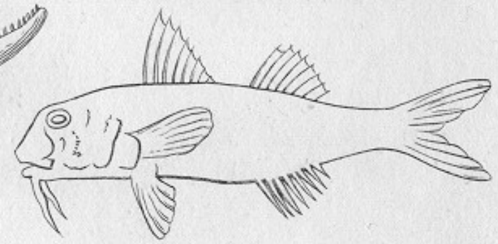
280ik ábra. Iguana.



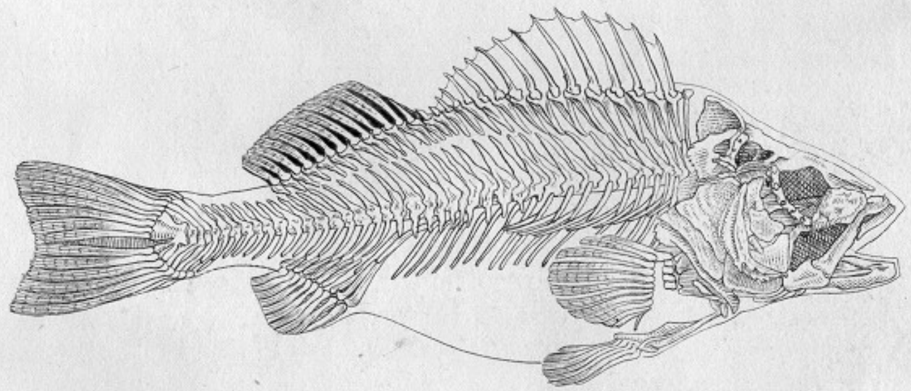
279ik ábra. Csörgő kígyó (: Crotalus :)



283ik ábra. A' csuka. (: Esox lucius :) fejének csontjai.



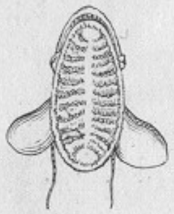
281ik ábra.



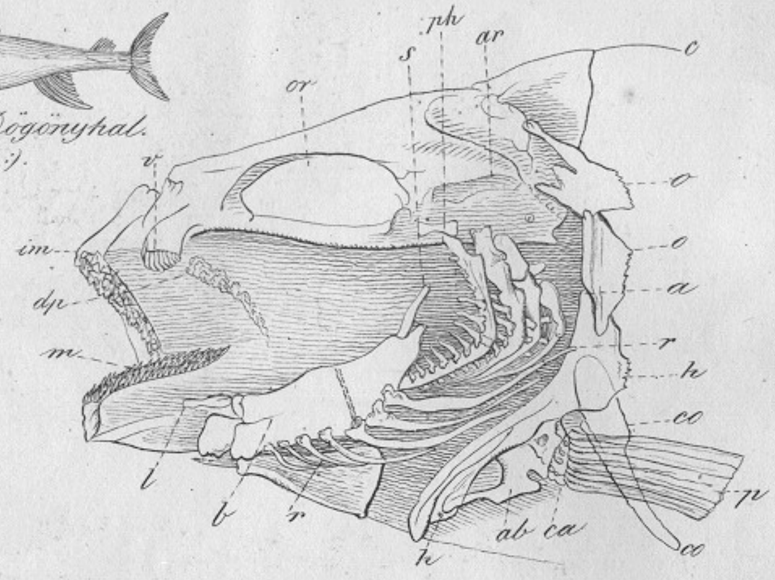
282ik ábra. A' fejes süger (: Perca fluviatilis :) csontváza.



285ik ábra. Dögönyhal.
(: Xiphias :).



287ik ábra.



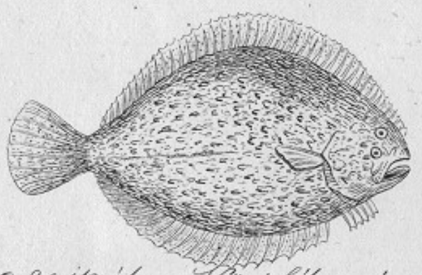
284ik ábra. Egy hal feje
es lélegző szerszámzata.



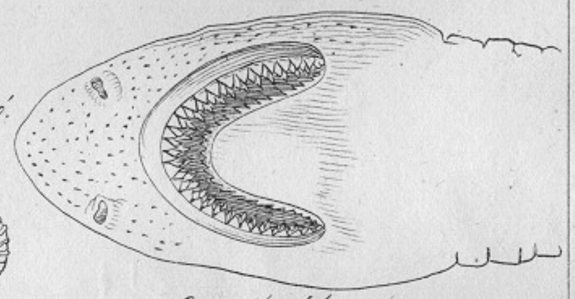
288ik ábra. Gályagánc.
(: Remora :).



286ik ábra. Hát-úszó nél-



289ik ábra. Kövi félszegúszó.
(: Pleuronectes maximus :).



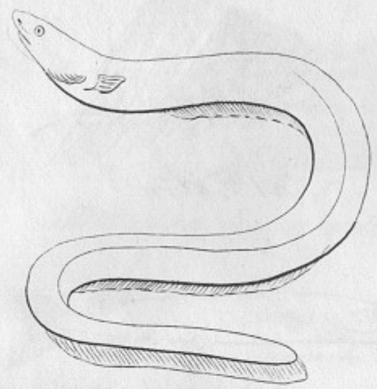
290ik ábra.
Az emberevő czápa feje.



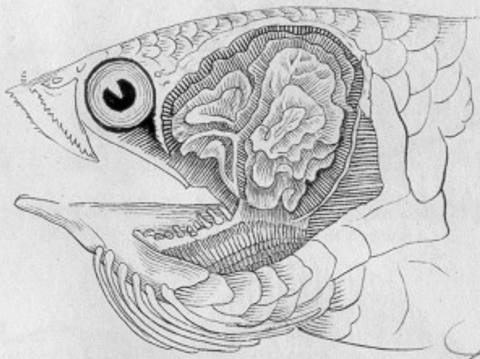
291ik ábra. Csikóczar.
(: Hippocampus :).



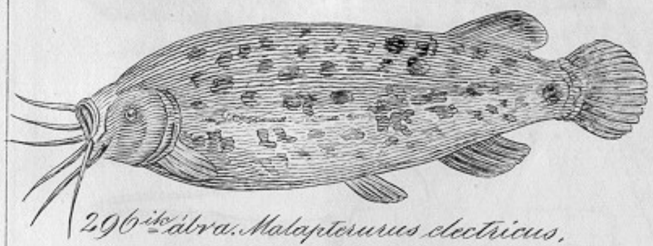
292ik ábra. Emberevő czápa.
(: Squalus Carcharias :).



294ik ábra. Sajgócz
(: Gymnotus electricus :).



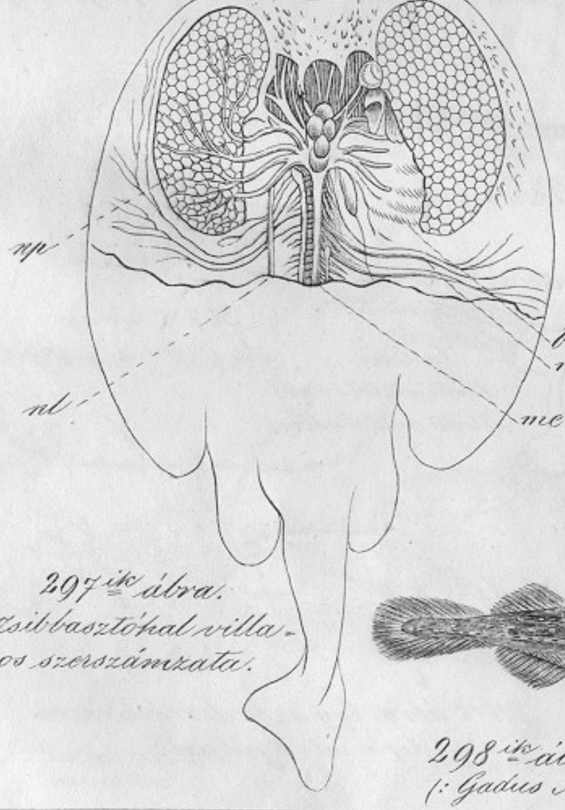
293ik ábra. Az Anabas
lélekző szerszámzata.



296ik ábra. Malapterurus electricus.



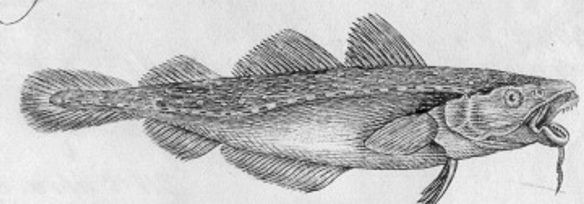
295ik ábra.
Zsibbasztó hal
(: Torpedo marmorata :).



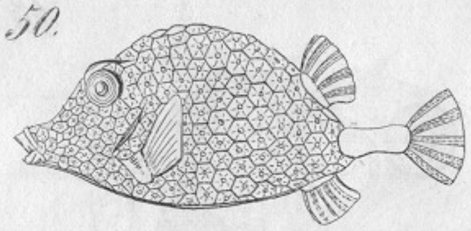
297ik ábra.
A' zsibbasztóhal villa-
mos szerszámzata.



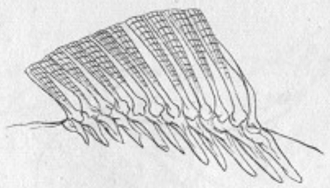
300ik ábra.
Tinnhal (: Thynnus :).



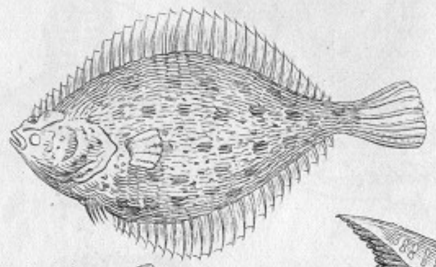
298ik ábra. Tőkehal
(: Gadus Morhua :).



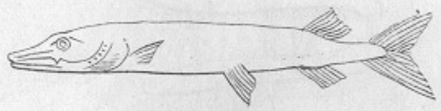
299ik ábra. Csontpikkelyü (Ostracion).



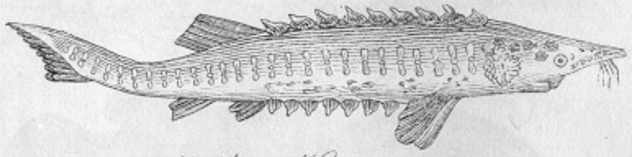
301ik ábra.



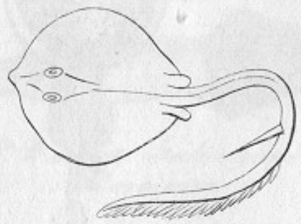
303ik ábra. Pleuronectes Platessa.



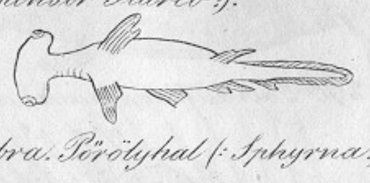
302ik ábra. Csuka (Esox lucius).



304ik ábra. Közönséges tok (Acciponser Sturio).



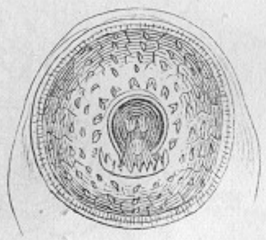
305ik ábra. Rája.



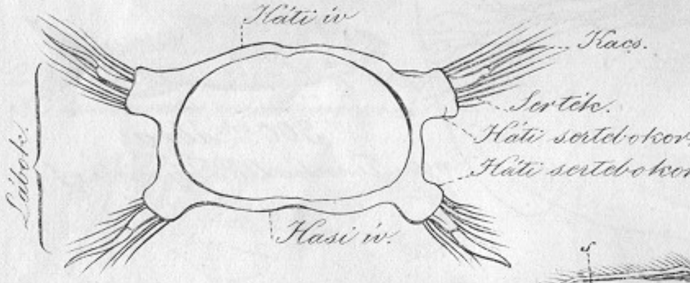
306ik ábra. Pörölyhal (Sphyrna).



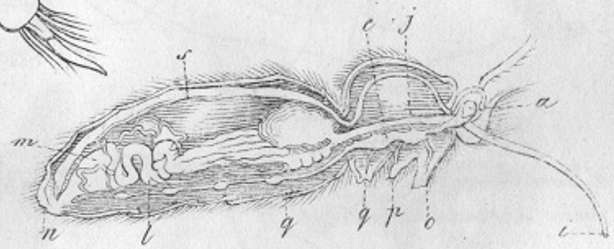
308ik ábra. Orsóhal (Pteromyzon maximus).



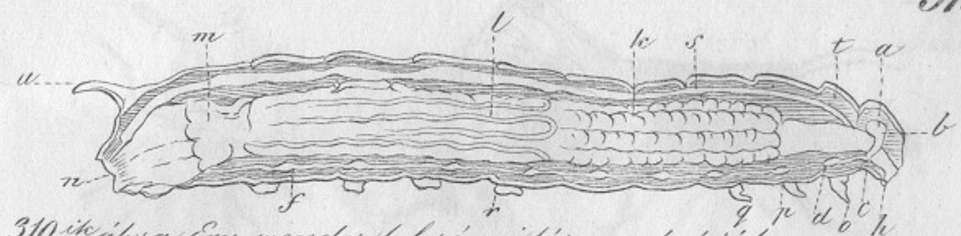
307ik ábra. Az Orsóhal szája.



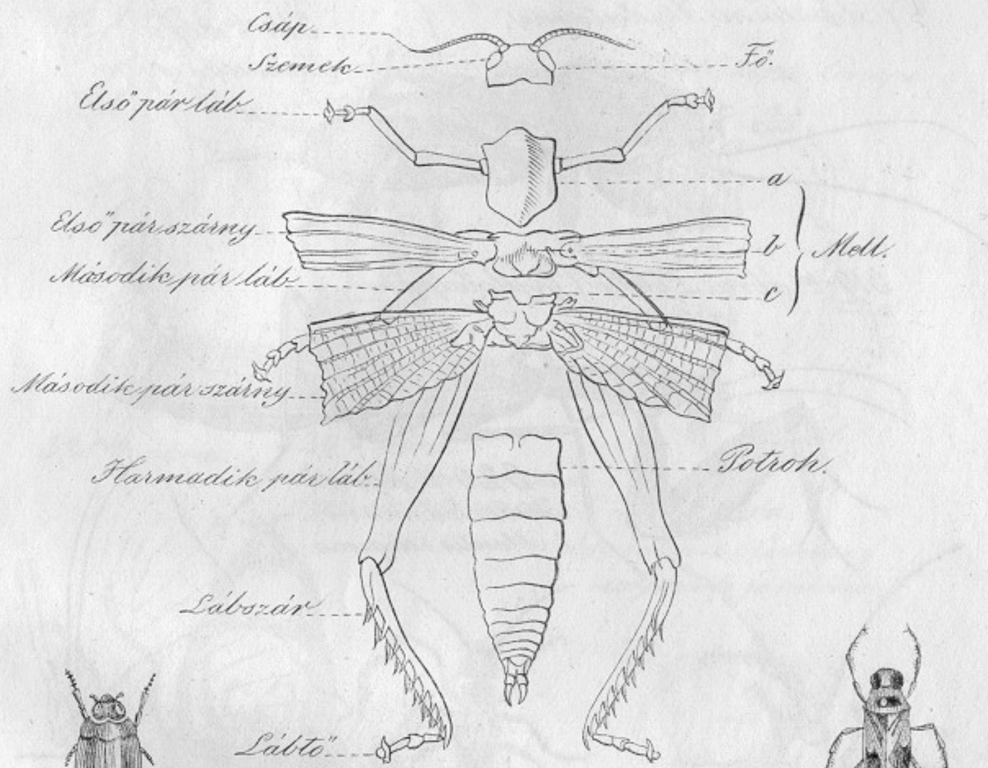
309ik ábra. Egy ízállat egyik gyürüjének függ. göleges szelete.



311ik ábra. Egy szender belrészei lepe alakjában.



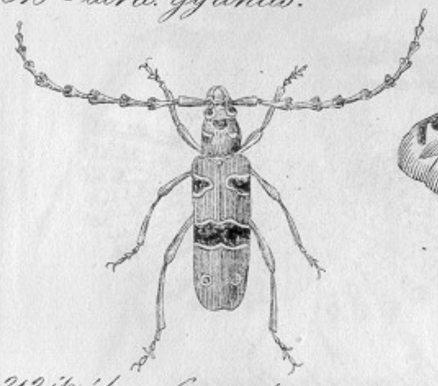
310ik ábra. Egy szender bel részei lárva alakjában.



312ik ábra. A vándorsáska (Acridium migratorium) boriték-vázája.



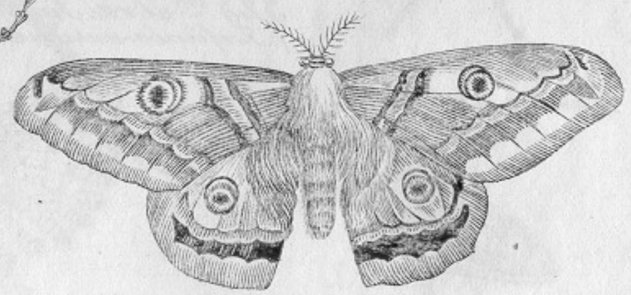
313ik ábra. Gyrinus.



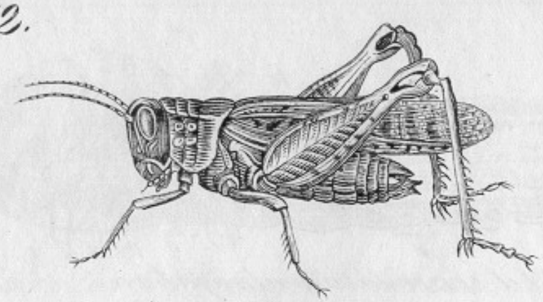
313ik ábra. Ceramb ix alpinus.



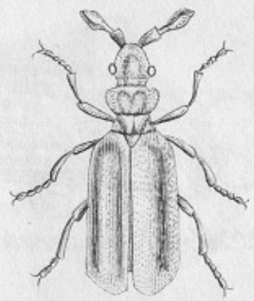
316ik ábra. Notonecta.



315ik ábra. Saturnia Carpini.



317ik ábra. Szöcske (: Acridium Stridulum :).



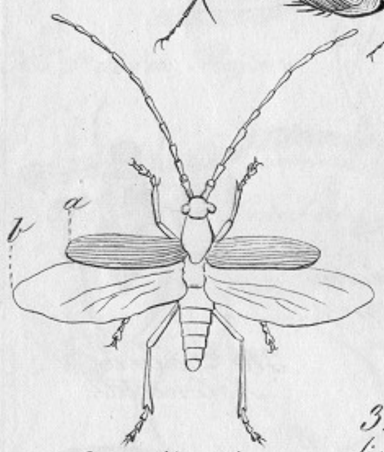
314ik ábra. Paussus cornu.



319ik ábra. Lótetü (: Gryllotalpa vulgaris :).



320ik ábra. Vándorka mantó (: Mantis religiosa :).



322ik ábra. Lamia aedilis.



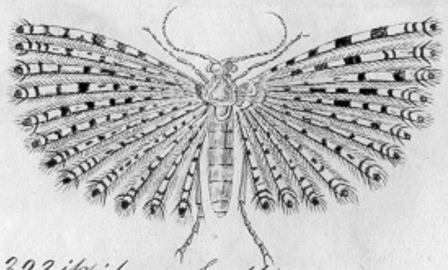
321ik ábra. Morpho.



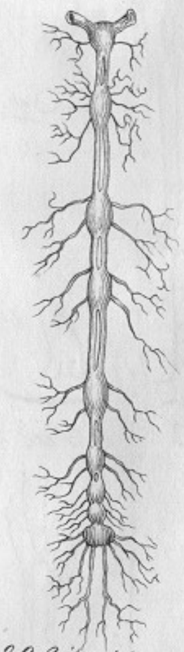
325ik ábra. Fülmászó (: Forficula auricularia :).



326ik ábra. Podura.



323ik ábra. Szellemke (: Orneodes :).



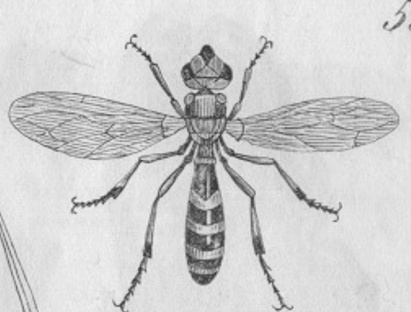
328ik ábra.



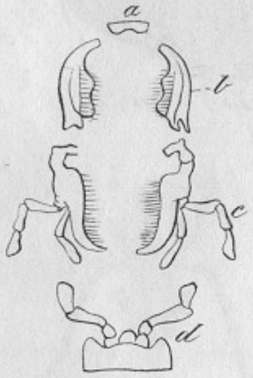
327ik ábra. Foenus jaculator



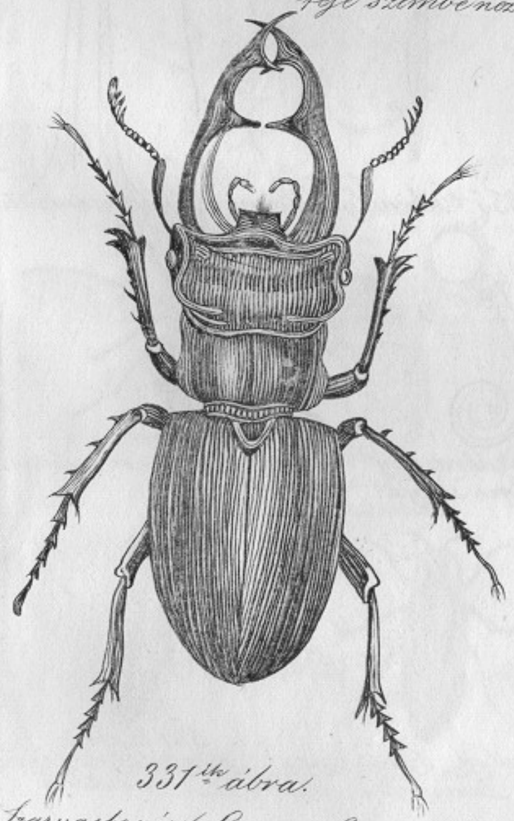
329ik ábra. A csótány (: Blatta orientalis :) feje szembenézve.



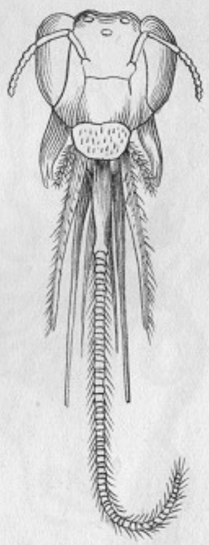
324ik ábra. Conops.



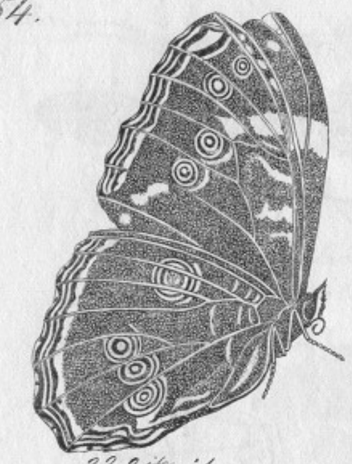
330ik ábra. Egy futonez (: Carabus :) szájának járulékai



331ik ábra. Szarvasbogár (: Lucanus Cervus volans :)



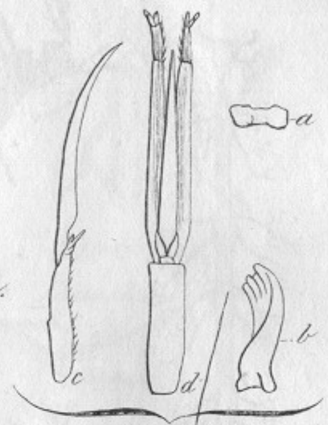
332ik ábra. Egy Antophora feje.



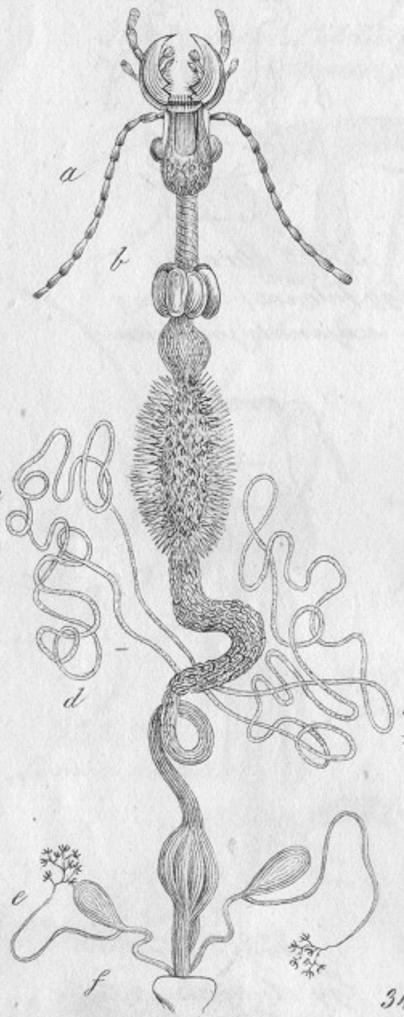
338ik ábra.



334ik ábra.



333ik ábra.



339ik ábra.
Emésztő szerszámzat.



335ik ábra. Egy félröpü száj-szerszámzata.



336ik ábra.
Nemestrina longirostris.



337ik ábra. Egy naplepe szipja.



340ik ábra. Szent János bogár (Lampyris noctiluca ♀, pim.



341ik ábra.
Szent János bogár, nőstény.



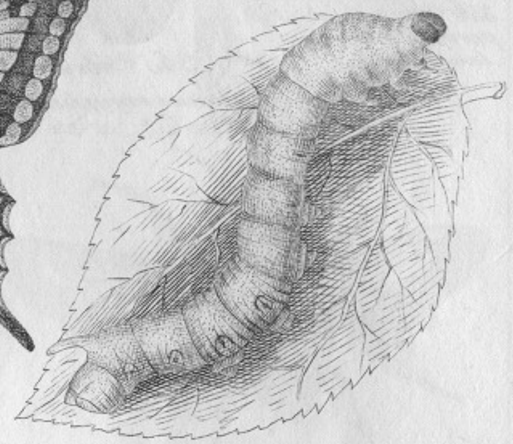
343ik ábra. A' Machaon pillangó (Aëronauta Machaon) báb alakban.



342ik ábra. A' Machaon pillangó hernyó alakban.



344ik ábra.
A' Machaon pillangó lepe alakban.



345ik ábra. Selyem bogár. (Bombyx mori) hernyó alakban.



346ik ábra.
A' Selyem bogár lepe-alakban.



349ik ábra.
A' szunyog (Culex) nagyitva.



347ik ábra.
A' Selyem bogár báb alakban.



352ik ábra.
A' cserebogár lárvája (Cainicer.)



351ik ábra.



350ik ábra. Kérészf (Ephemera.)



348ik ábra.
A' szunyog lárvája.



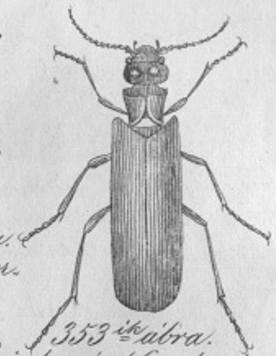
356ik ábra. Szalonna porva (: Dermestes lardarius :):



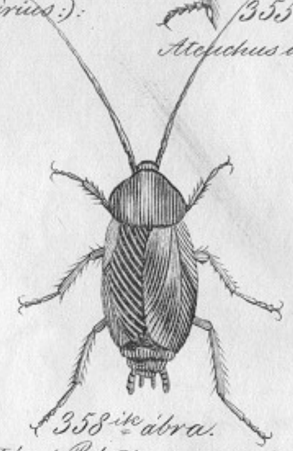
355ik ábra. Atopichus aegyptiorum.



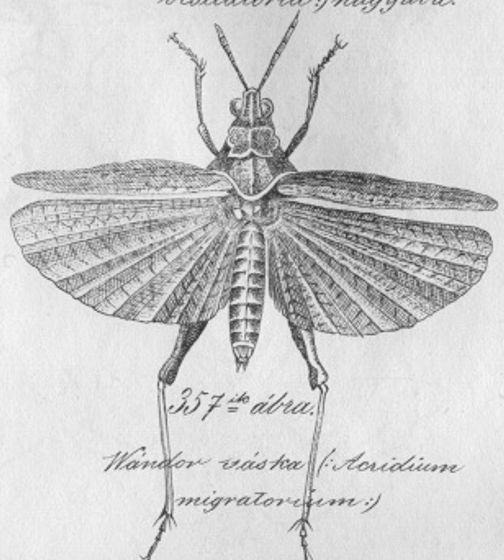
354ik ábra. Anobium pertinax.



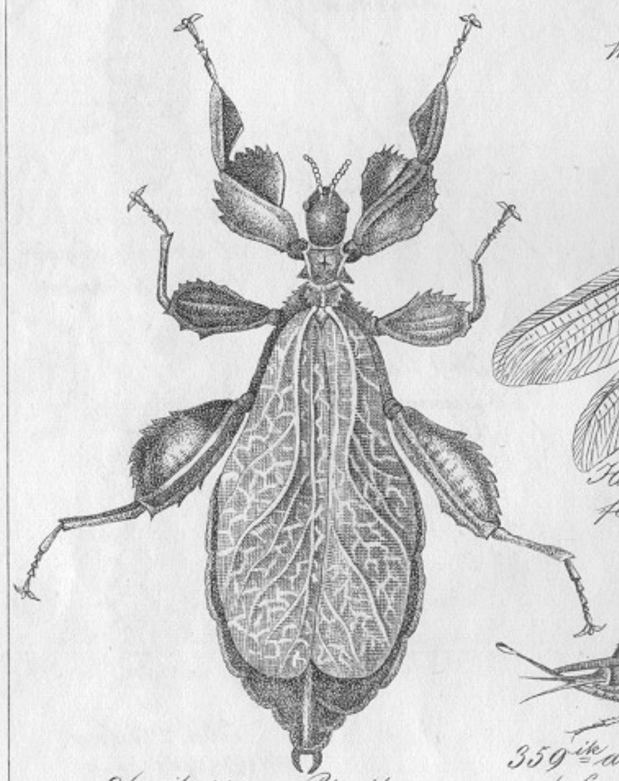
353ik ábra. Kéris bogár (: Cantharis vesicatoria :) nagyitva.



358ik ábra. Csótán (: Blatta orientalis :)



357ik ábra. Wándor sáska (: Acridium migratorium :)



360ik ábra. Phyllidium siccifolium.



362ik ábra. Hangyales (: Myrmeleo formicarius :)



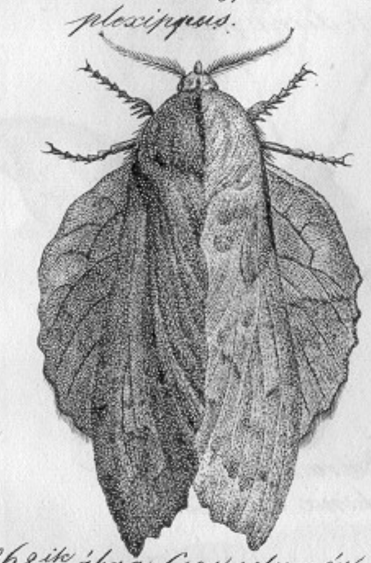
359ik ábra. Házi prücsök (: Gryllus domesticus :).



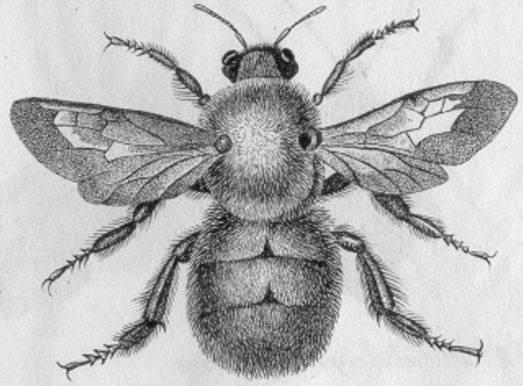
366ik ábra. Tachyptera plexippus.



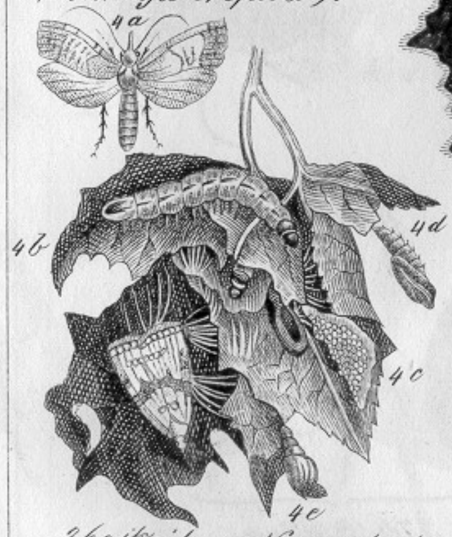
361ik ábra. Libellula indica.



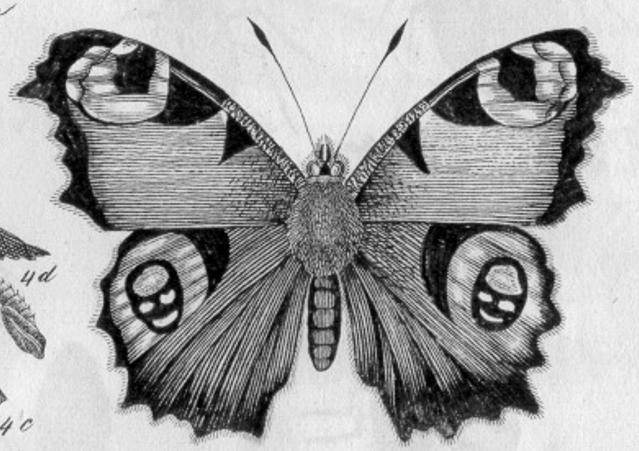
368ik ábra. Cser selymér (: Bombyx trepida :).



363ik ábra. Dongó (: Bombus terrestris :).



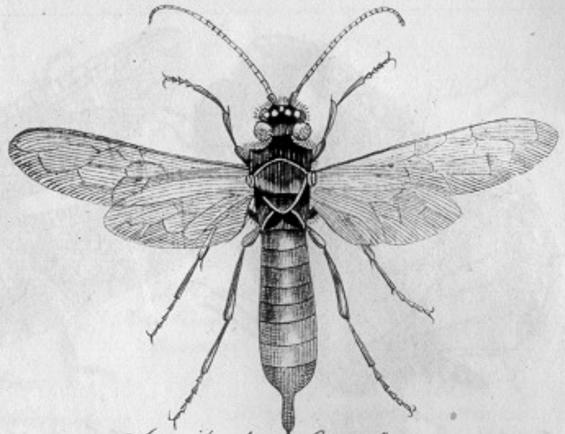
369ik ábra. Nymphula lemnalis.



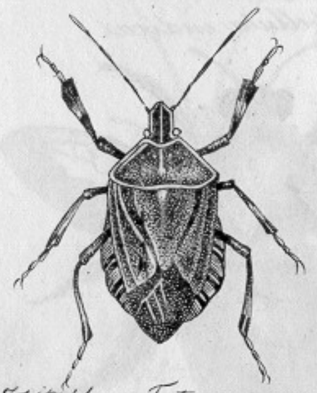
365ik ábra Vanessa Jo.



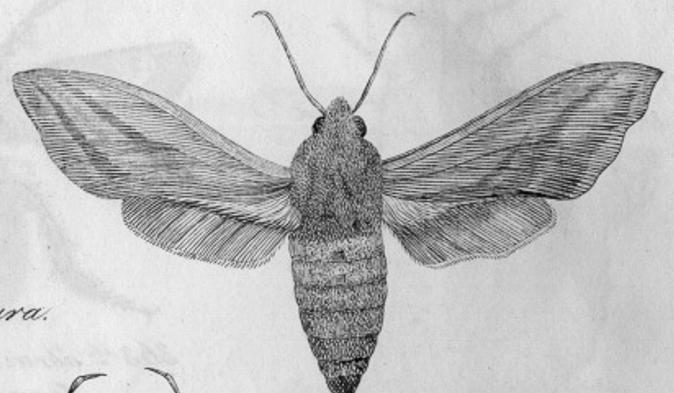
370ik ábra. Pentatoma.



364ik ábra. Gerlőrözs
(: Sirex gigas :).



371ik ábra. Tetyra maura.



367ik ábra. Szőlő szender
(: Sphinx Celerio :).



374ik ábra. Poloska.
(: Acanthia lectularia :).



373ik ábra.
Nepa.



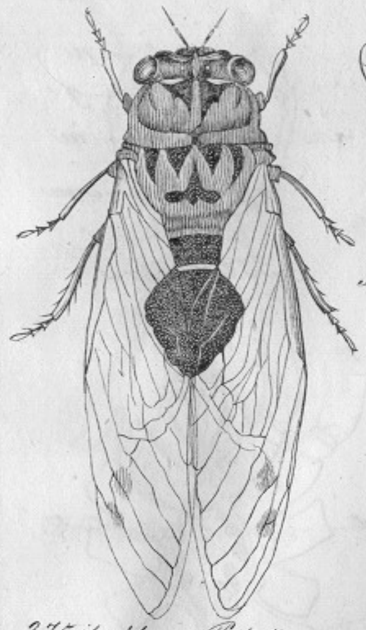
372ik ábra. Bolha
(: Pulex irritans :).



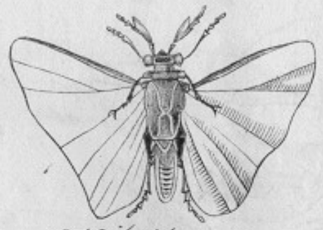
377ik ábra. Tőcsök
(: Tabanus :).



376ik ábra.
Bögöly (: Oestrus :).



375ik ábra. Tetytyes
kabocza (: Cicada maculata :).



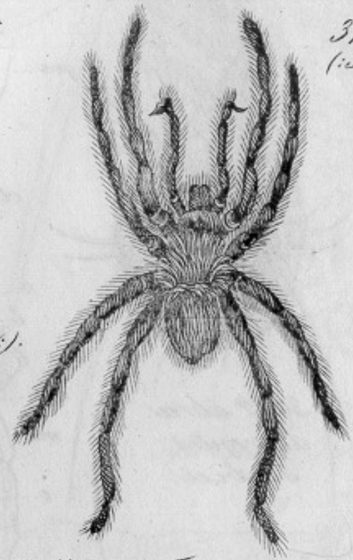
378ik ábra.
Styleps (: nagyitva :).



379ik ábra. Fej tetü
(: Pediculus Capitis :).



384ik ábra.



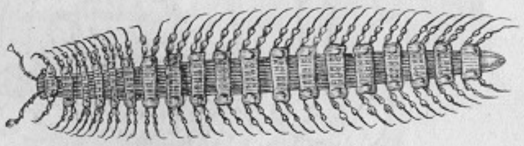
383ik ábra. Theraphosa.



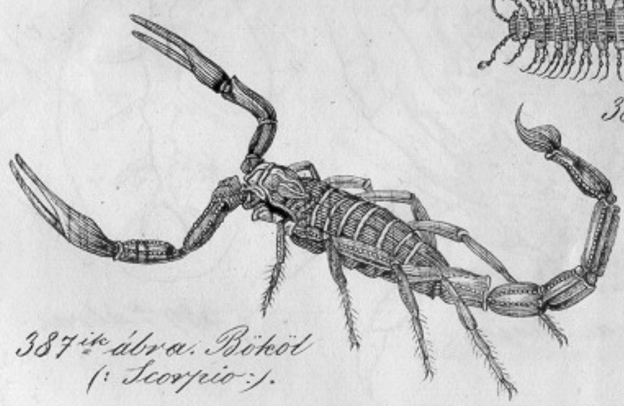
380ik ábra.
Muskális :.



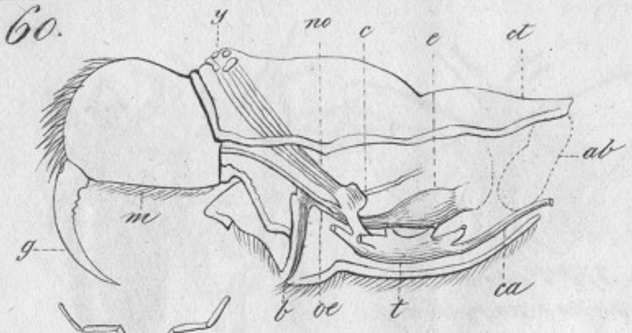
381ik ábra. Henge (: Iulus :).



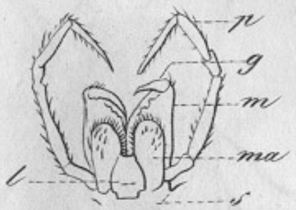
382ik ábra. Polydesmus.



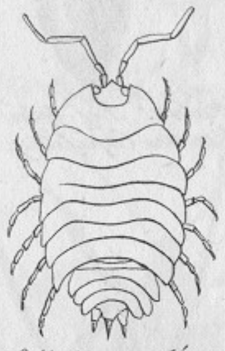
387ik ábra. Bököl
(: Scorpio :).



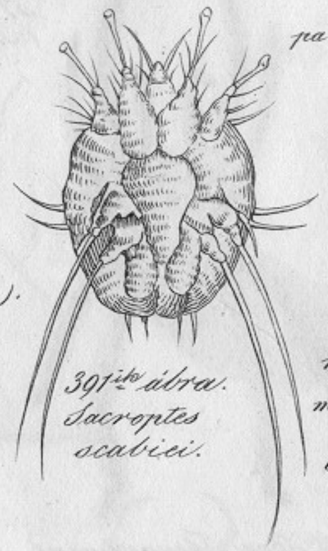
385ik ábra.



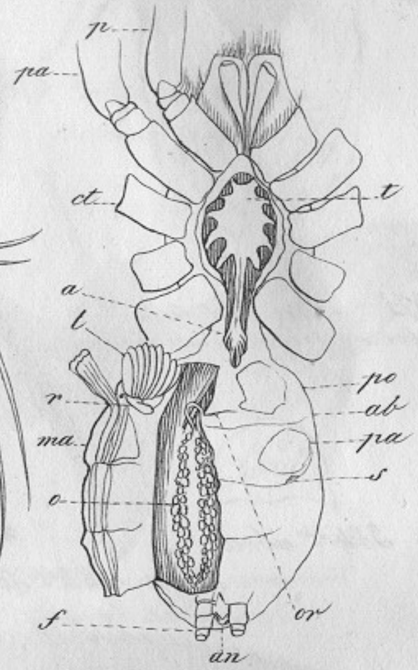
386ik ábra.



393ik ábra. Aszka. (Onisaus murarius.).



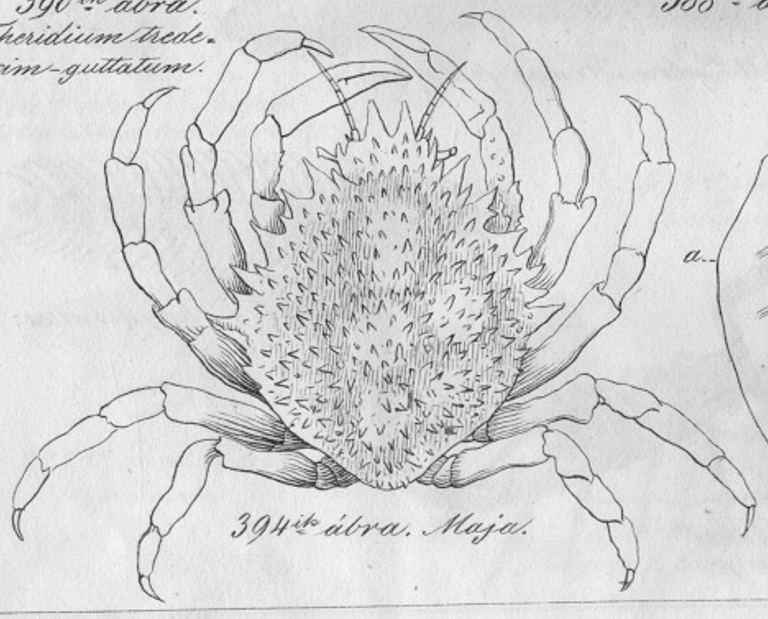
391ik ábra. Sacroptes scabiei.



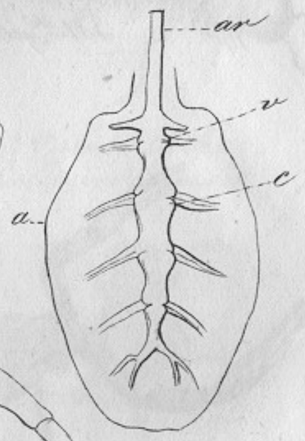
388ik ábra.



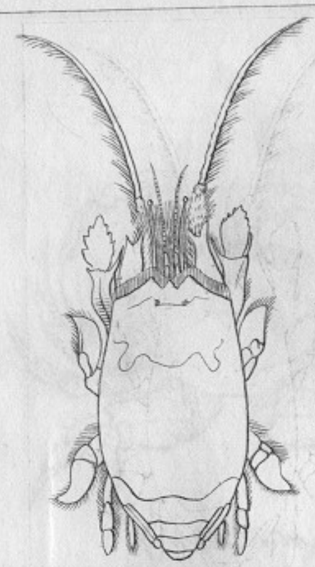
390ik ábra. Theridium tredecim-guttatum.



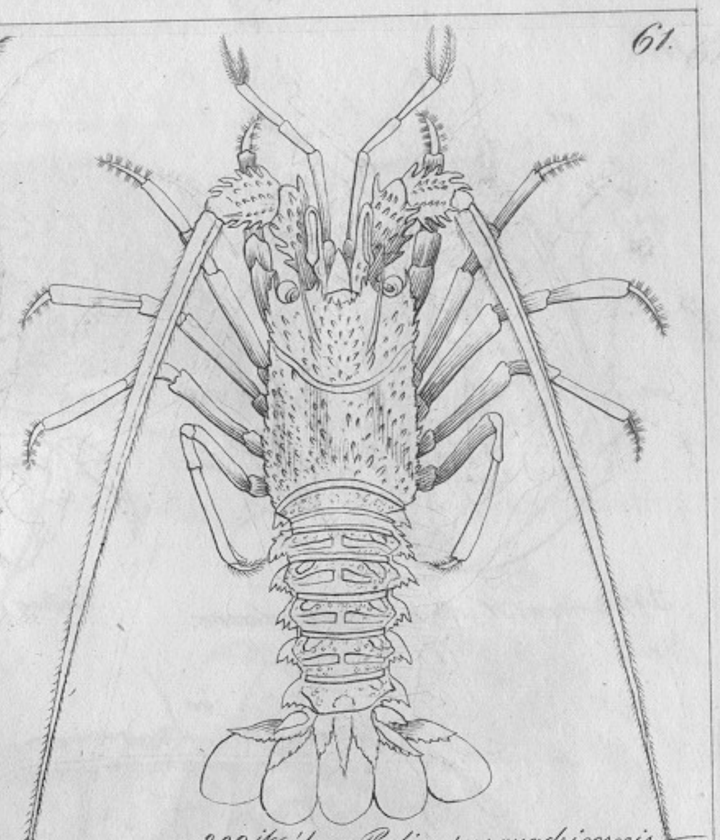
394ik ábra. Maja.



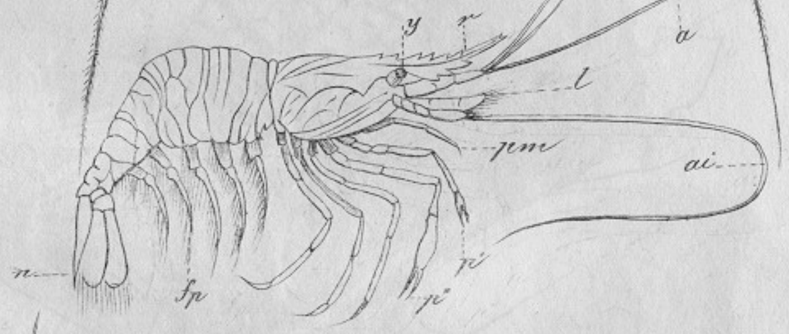
389ik ábra.



396ik ábra. Hippa.



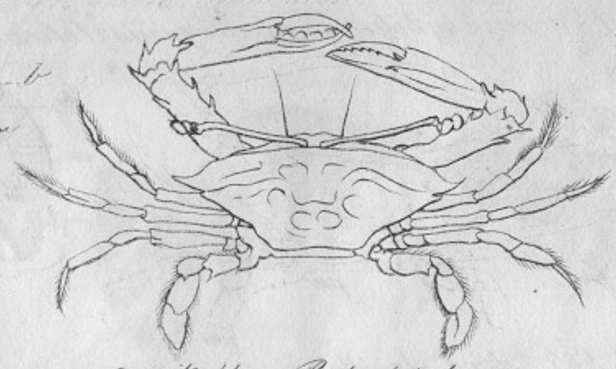
392ik ábra. Palinurus quadriconnis.



395ik ábra. Palaemon.



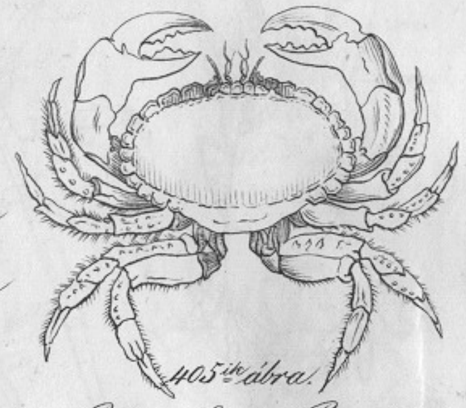
399ik ábra.



398ik ábra. Podophtalmus.

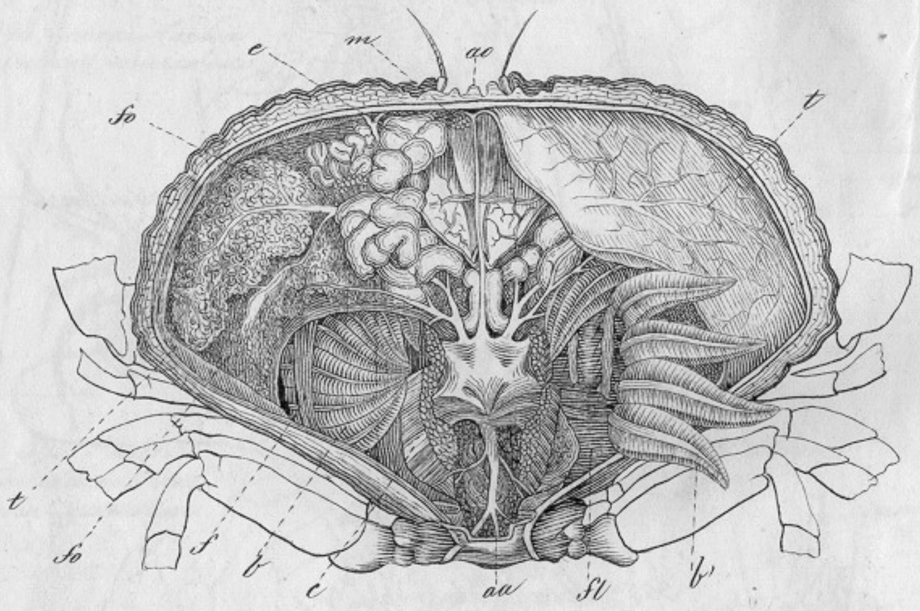


397ik ábra. A Maja idegrendszere.

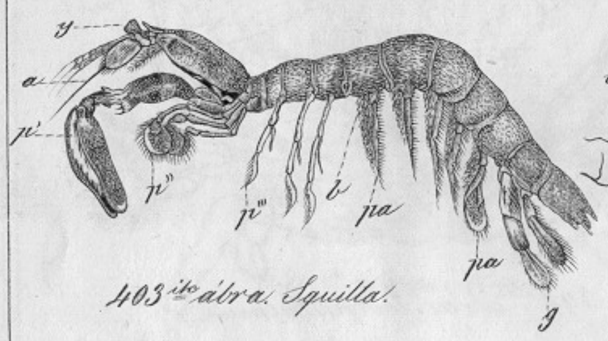


405ik ábra.

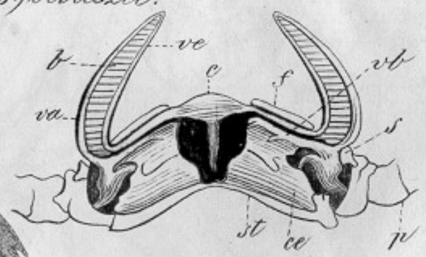
Bolyog (: Cancer Pagurus :).



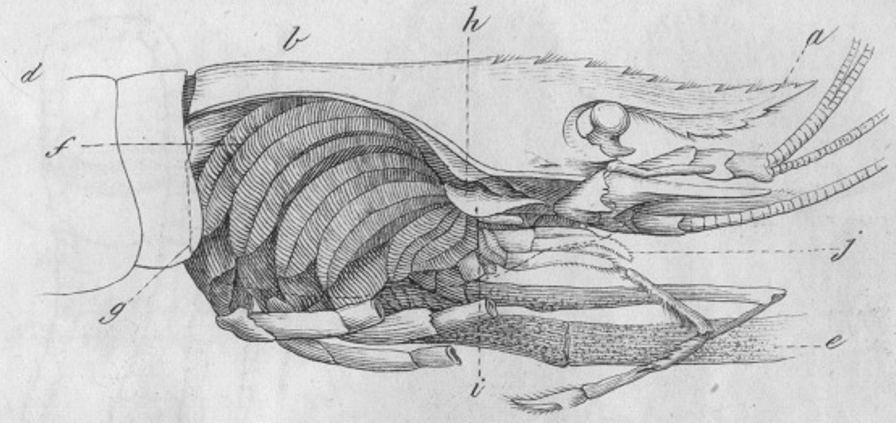
401ik ábra. Egy bolyog (: Cancer Pagurus :) belrészei.



403ik ábra. Squilla.



400ik ábra.
A bolyog kerengő szerszámzata.



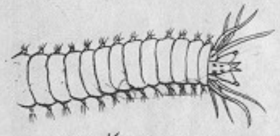
402ik ábra. Egy Palaemon lélegző szerszámzata.



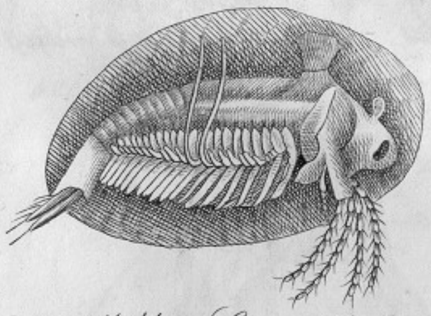
406ik ábra.
Aniloora.



404ik ábra.
Gecarcinus ruricola.



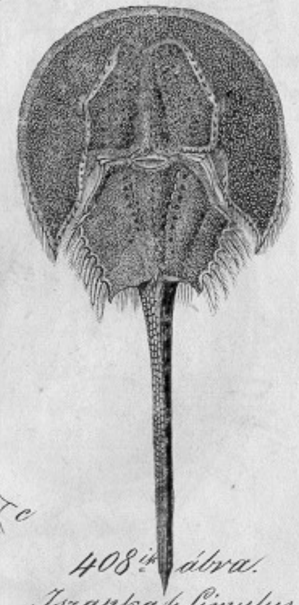
412ik ábra.
Egy Nereis feje.



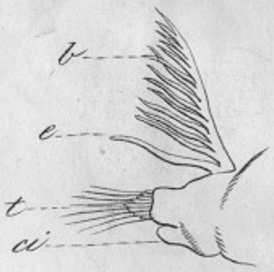
407ik ábra Limnadia.



419ik ábra.
Balanus.



408ik ábra.
Iszapka (: Limulus :).



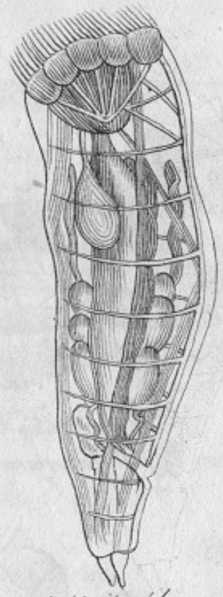
410ik ábra.



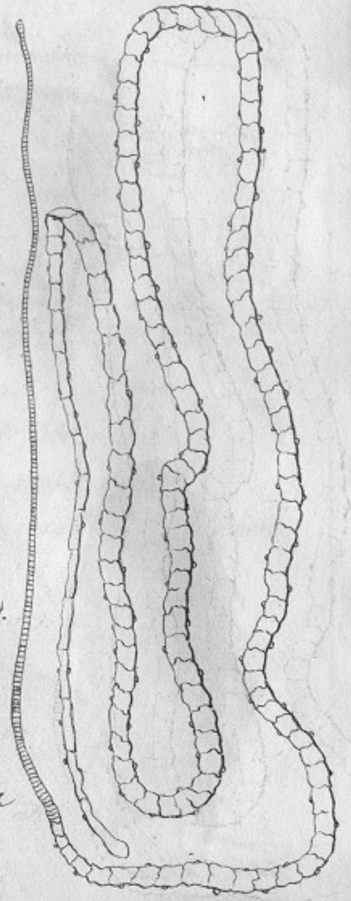
411ik ábra.
A Glycera feje és szépja.



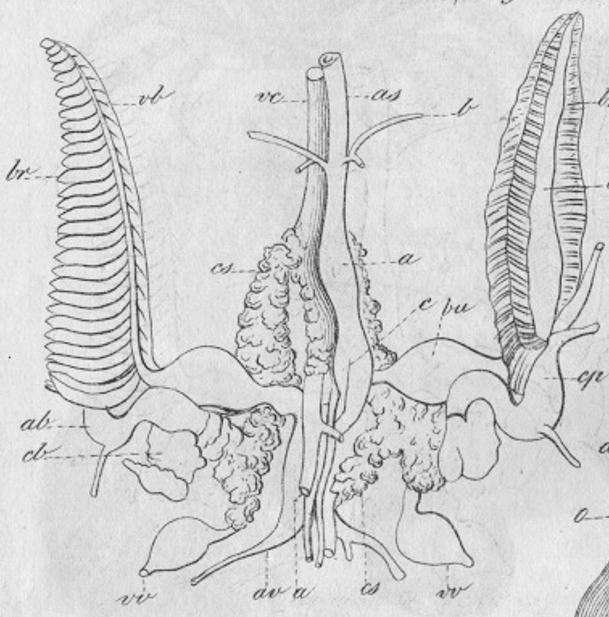
413ik ábra: Egy csoport csövike (: Sepula :).



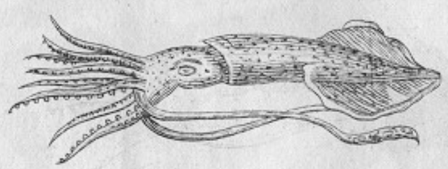
414ik ábra. Vízöntike (: Hydatina :).



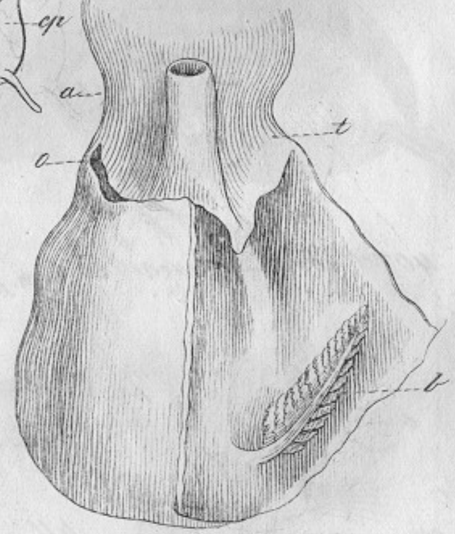
415ik ábra. Galandócz (: Taenia :).



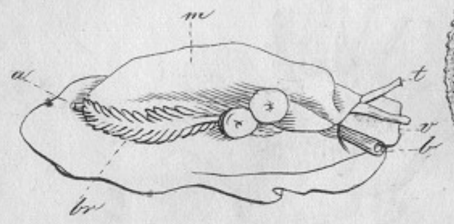
418ik ábra.



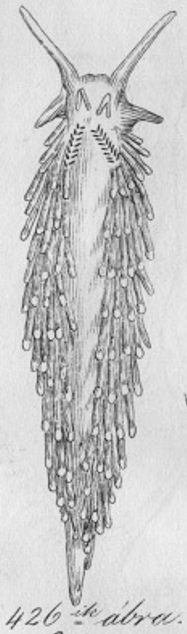
416ik ábra. Loligo vulgaris.



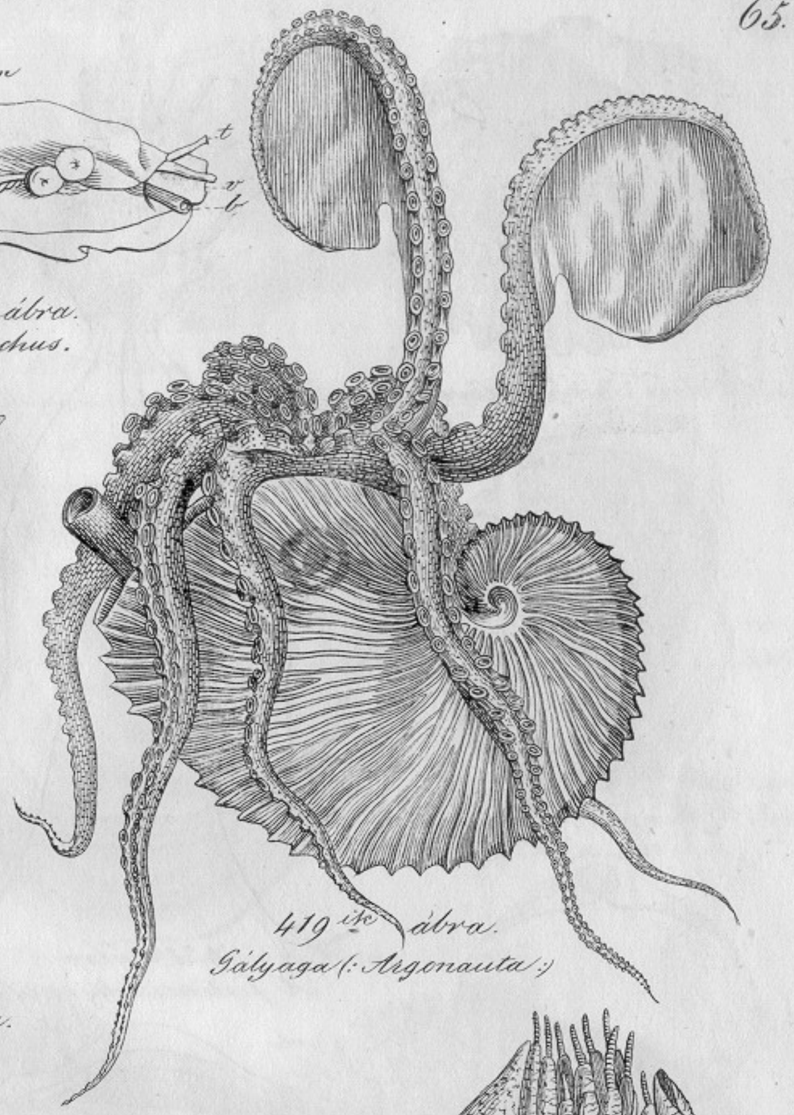
417ik ábra. A' festőnecz kopolyai.



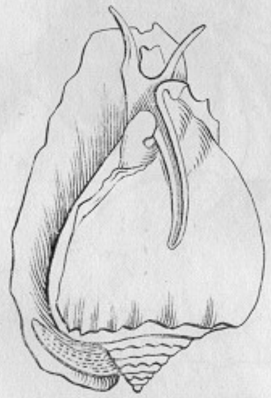
425ik ábra. Pleurobranchus.



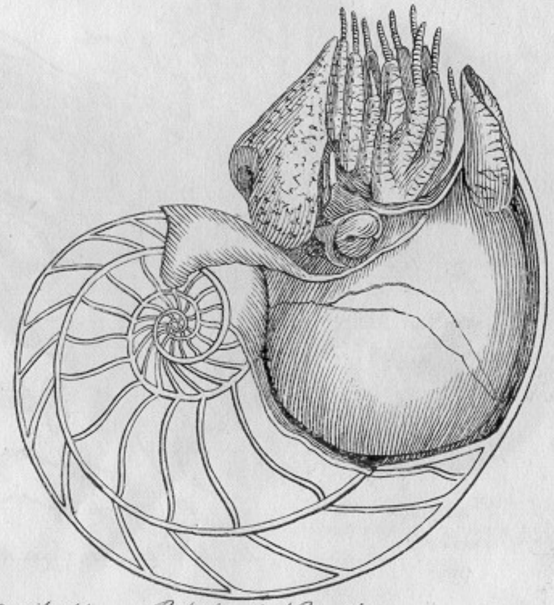
426ik ábra. Eolis.



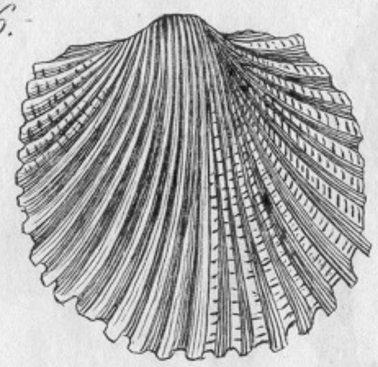
419ik ábra. Gályaga (: Argonauta :)



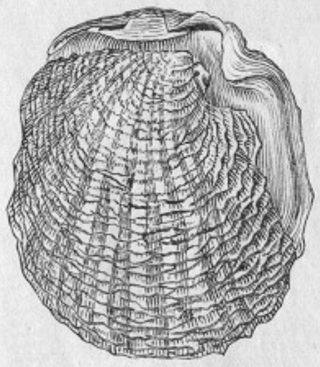
423ik ábra.



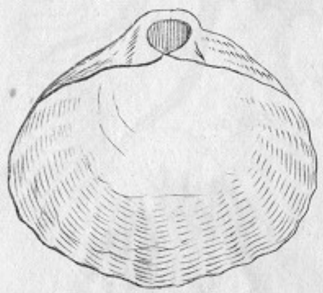
420ik ábra. Revész (: Nautilus :)



431ik ábra. Szüvény (:Cardium:)



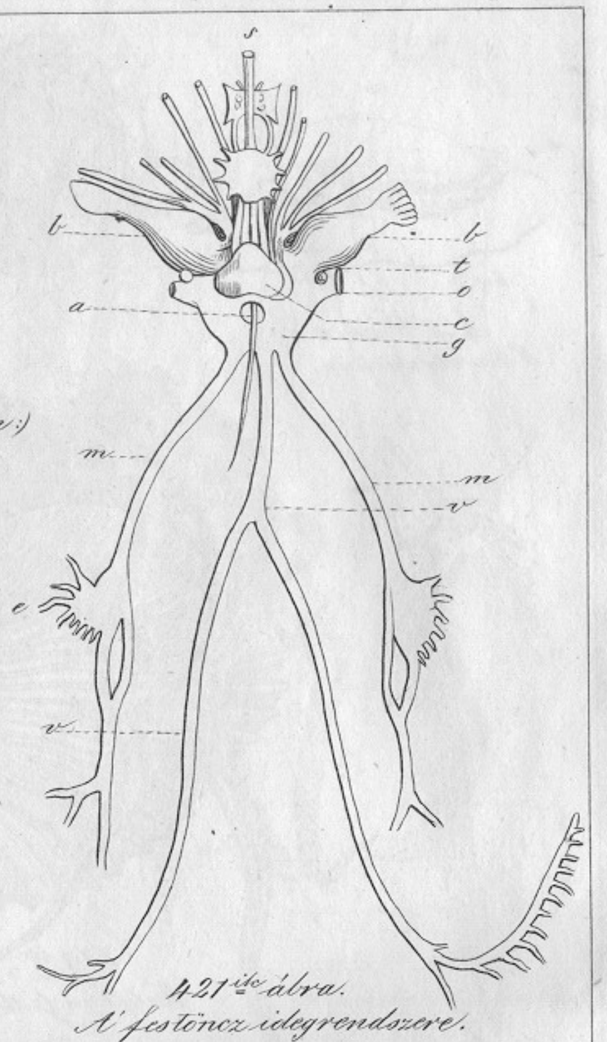
430ik Gyöngyör (:Avicula:)



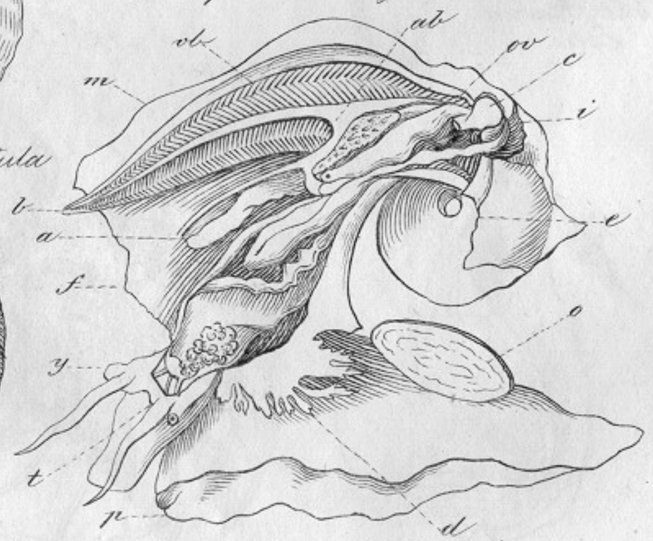
432ik ábra. A' Terebratula kagyloja.



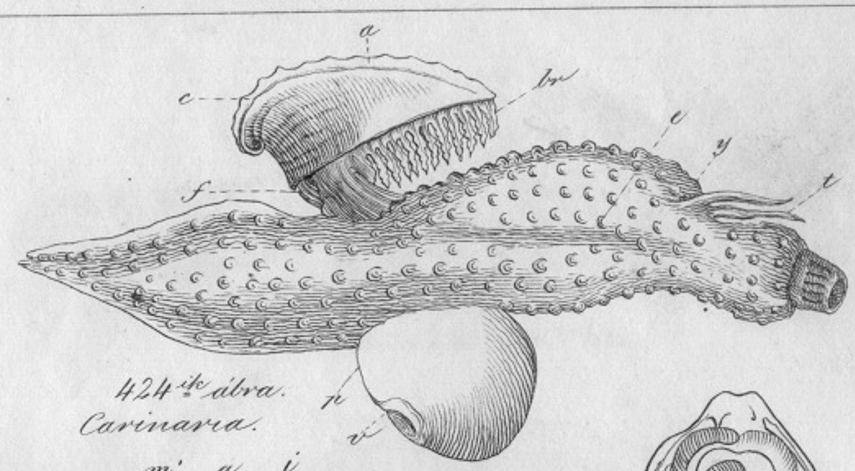
422ik ábra
Ammonites.



421ik ábra.
A' festönez idegrendszere.



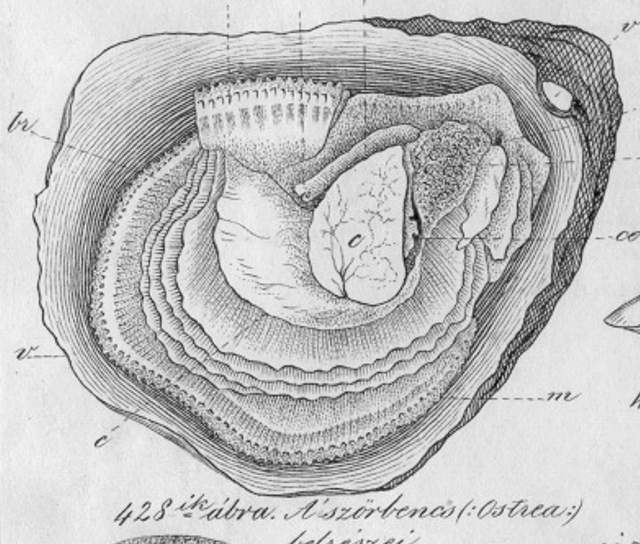
424ik ábra. Egy haslábú belreészei.



424ik ábra.
Carinaria.



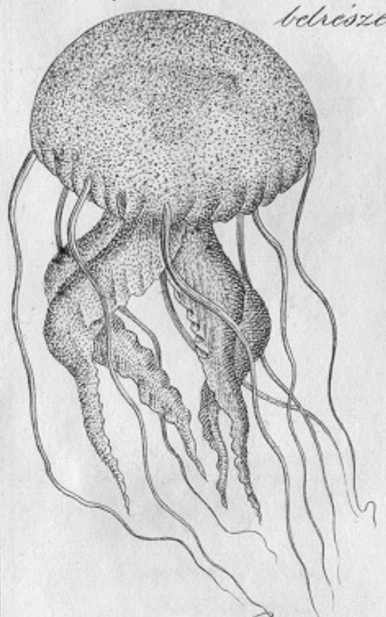
433ik ábra.
A' Terebratula állatja.



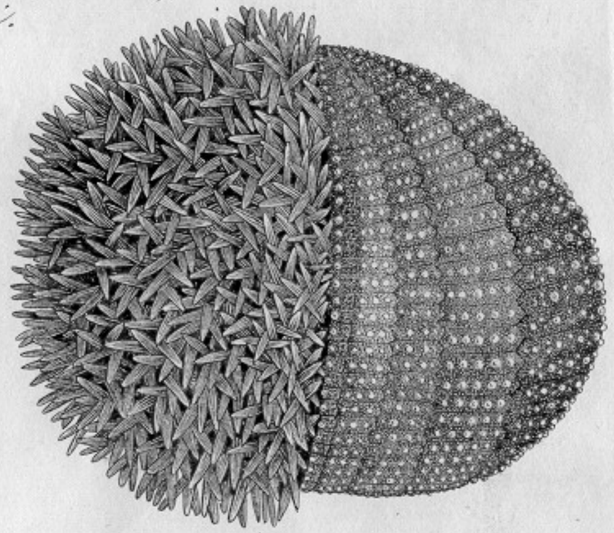
428ik ábra. A' szörbencs (:Ostrea:)
belreészei.



429ik ábra. Tellina.



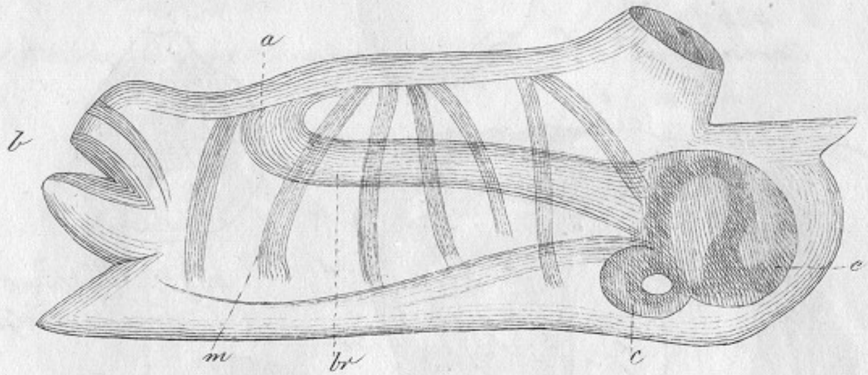
437ik ábra. Pelagia.



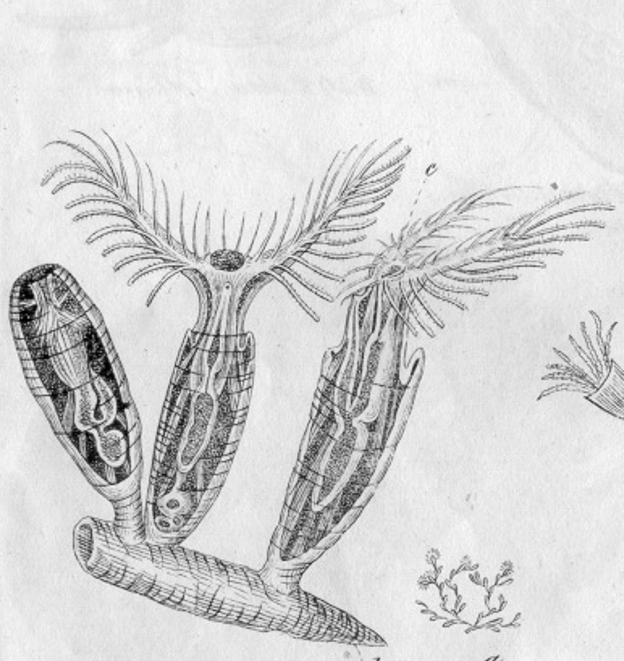
436ik ábra. Tüskény (:Echinus:)



439ik ábra. Veretilla.

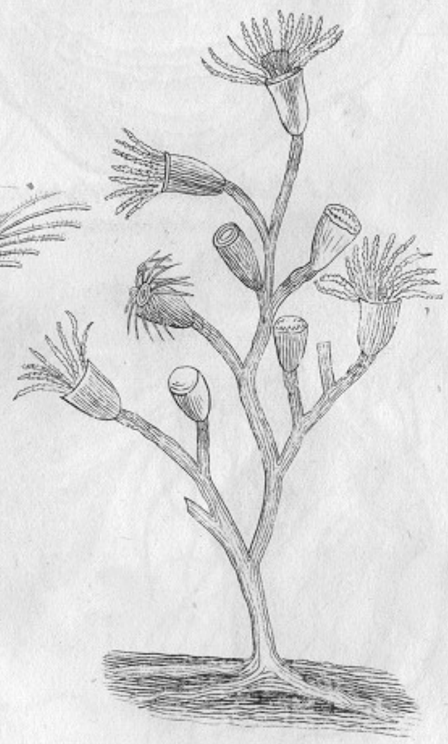


435ik ábra. Biphora.



434ik ábra. Tollú
(: Plumatella :)





438ik ábra.
Sertularia.