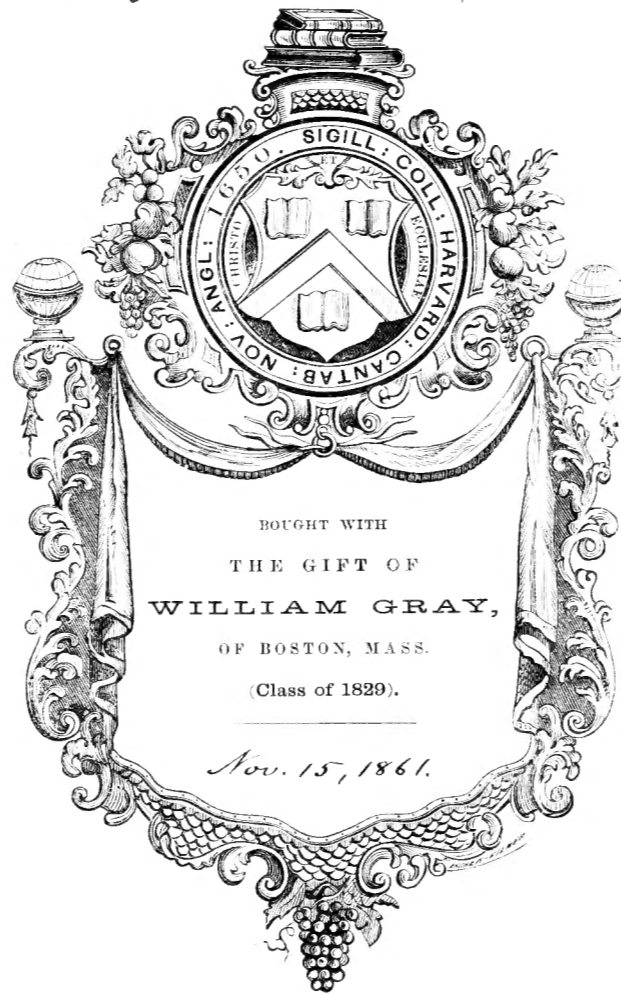
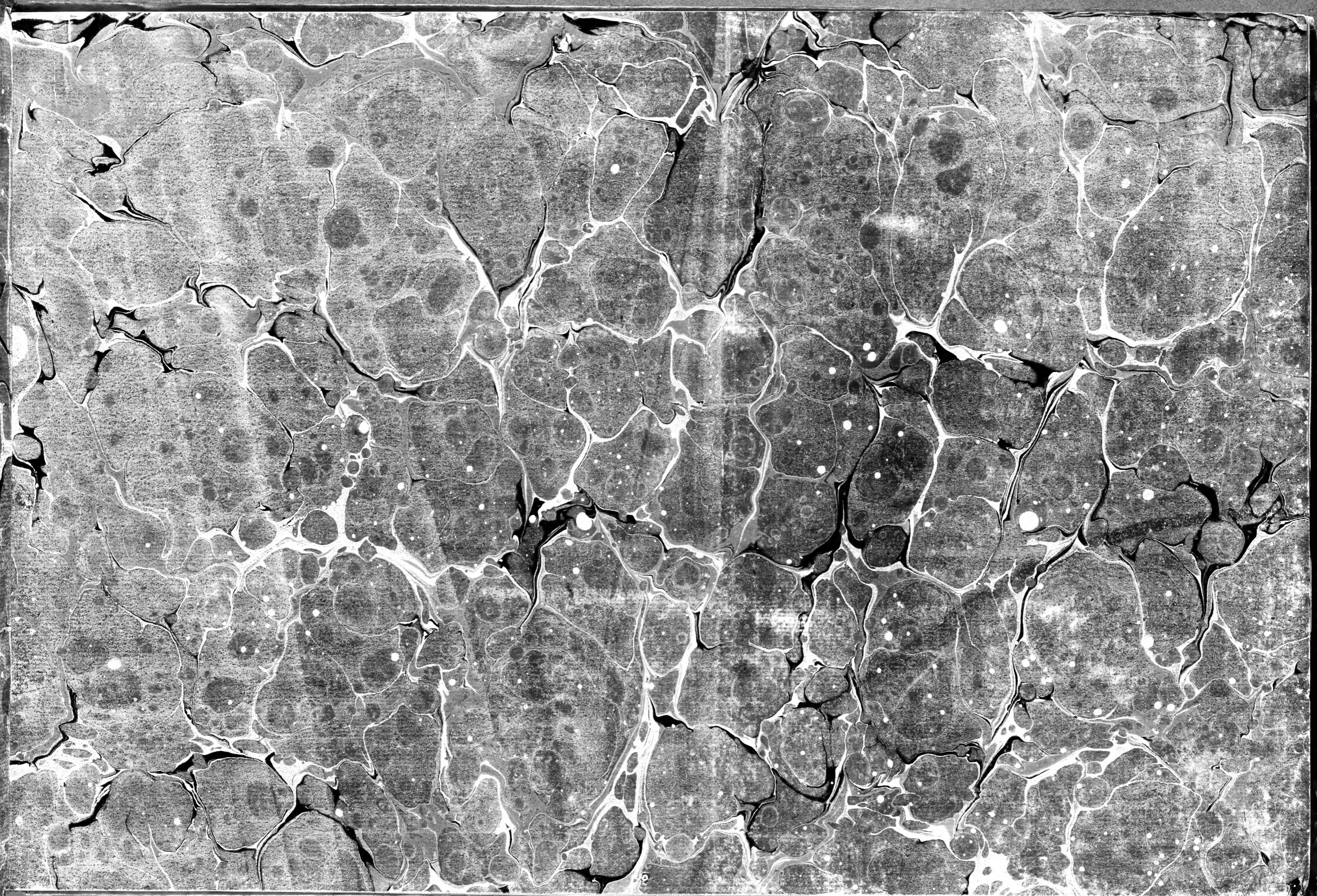


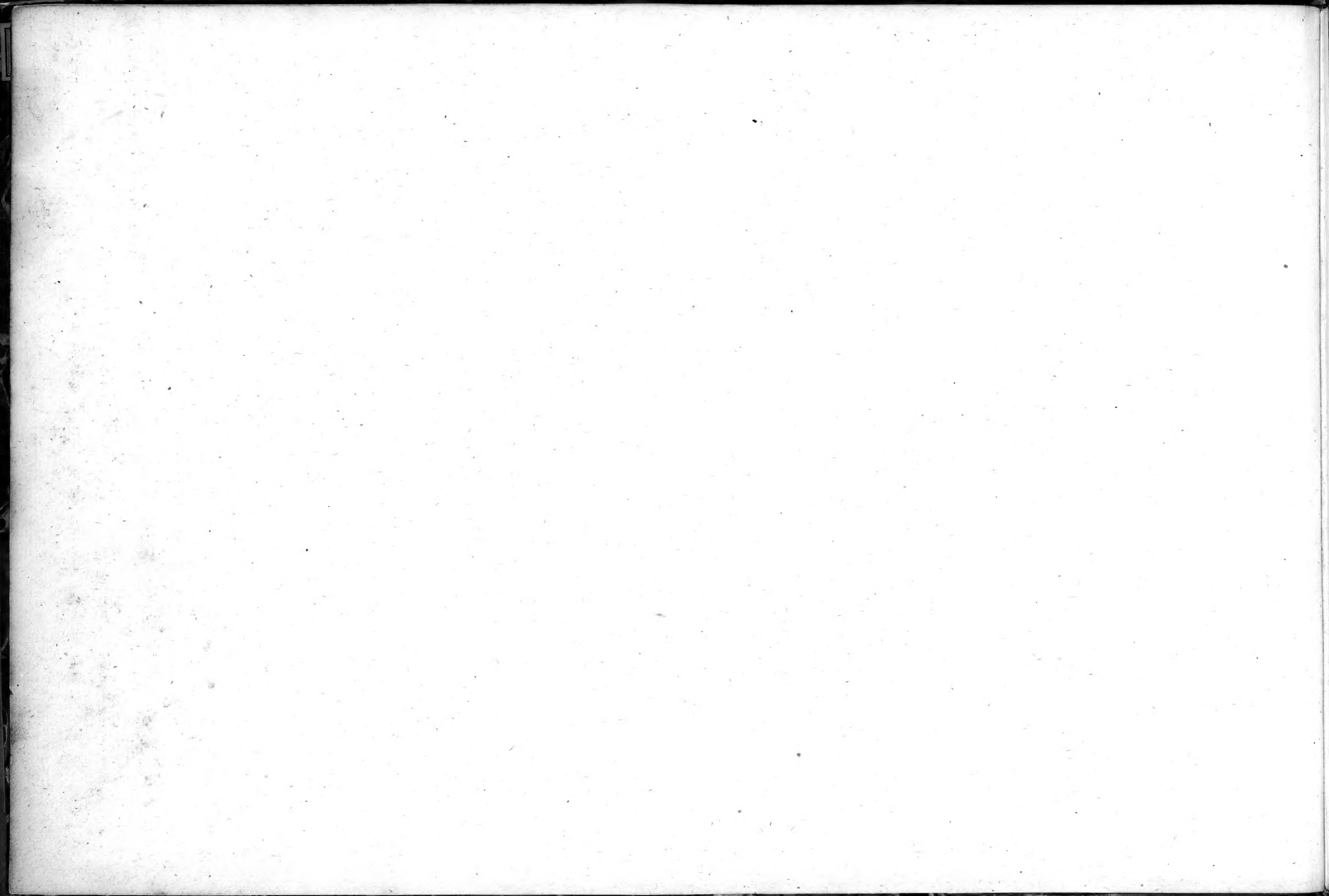


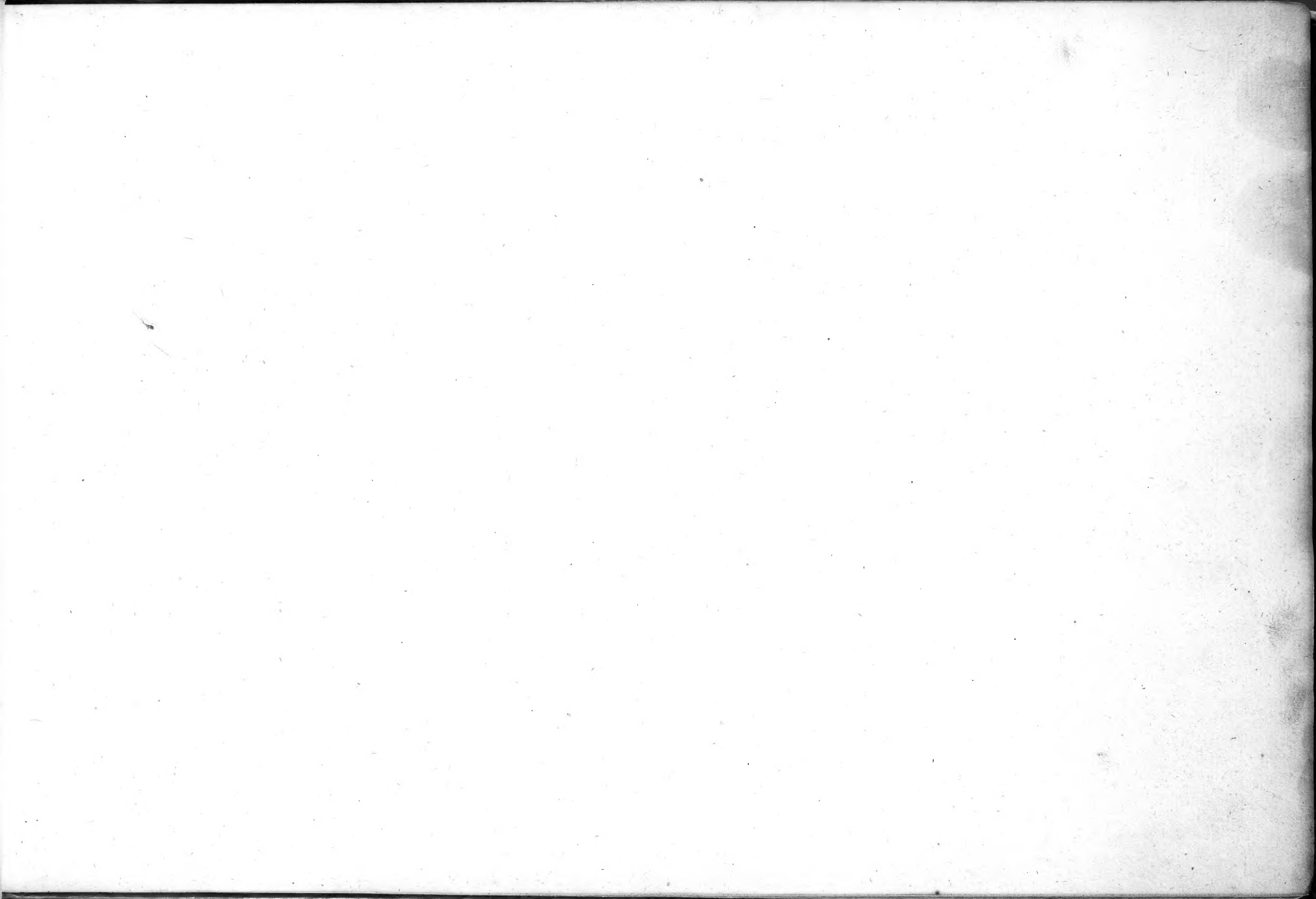
47.77.1

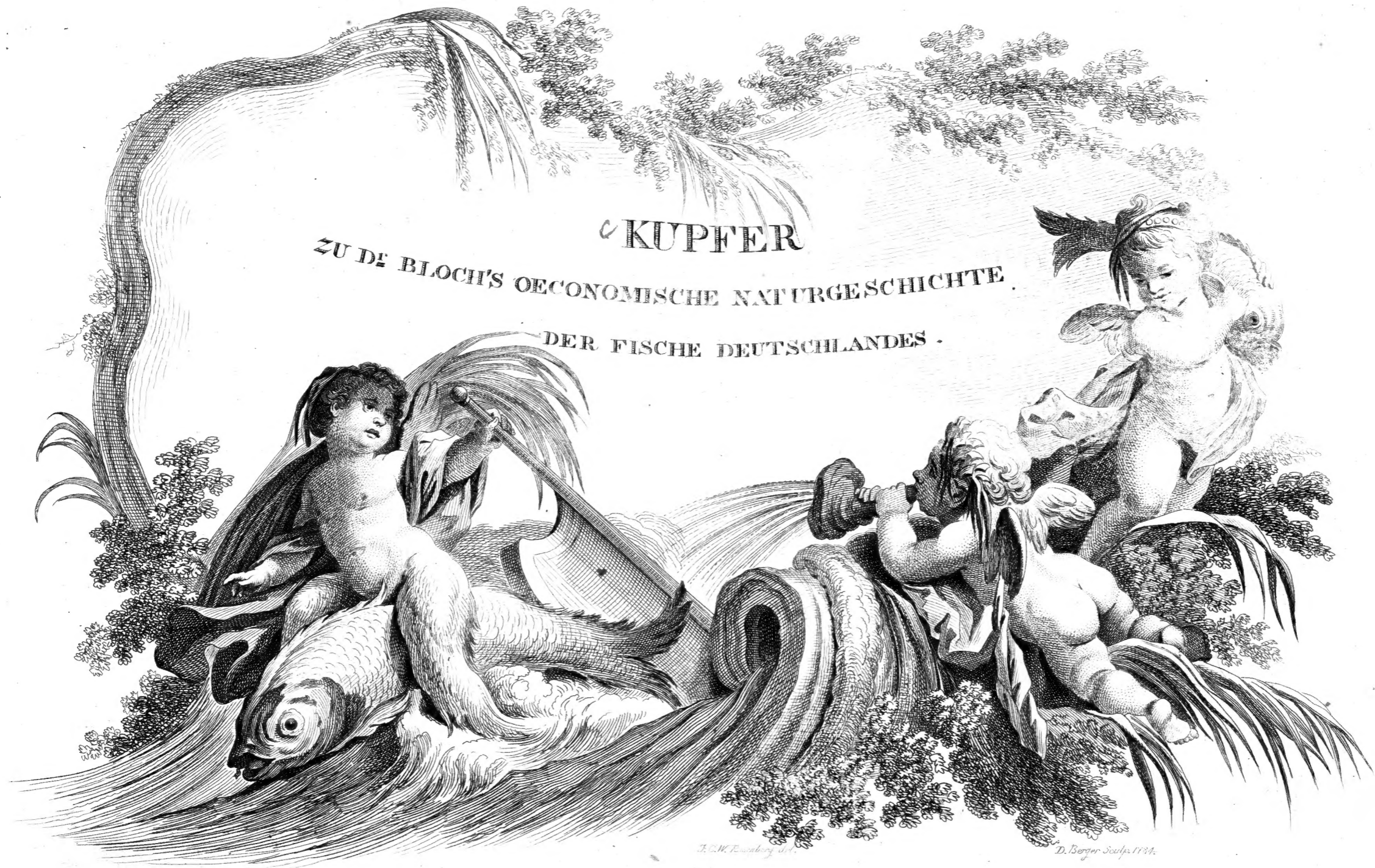
Br. to Zool. Museum Oct. 15, 1868











KUPFER

ZU DE BLOCH'S OECONOMISCHE NATURGESCHICHTE
DER FISCHE DEUTSCHLANDES .

J. W. F. ...

D. Berger Sculp. 1794.

571

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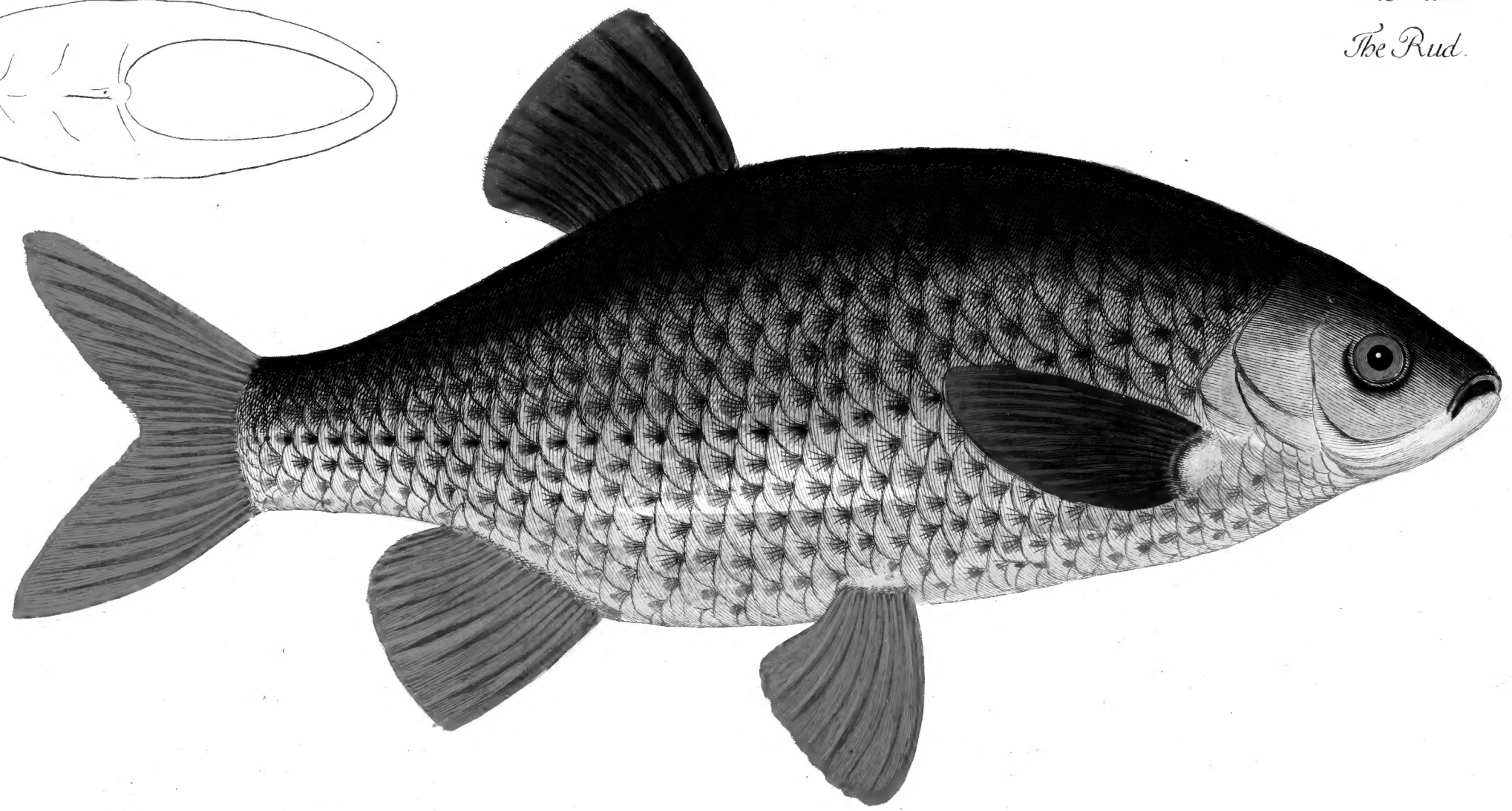
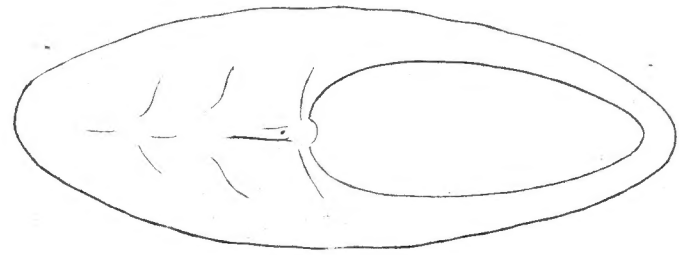
I Taf.

Natürliche Größe.

CYPRINUS ERITHROPHthalmus.

Die Plötze.

Die Rud.

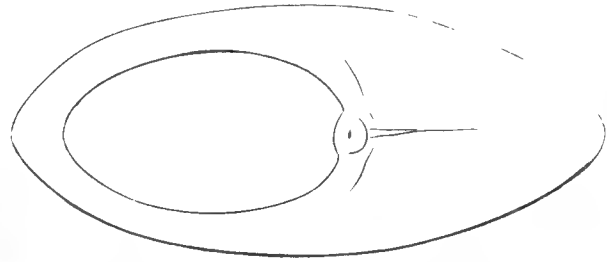


Kruger jun. del.

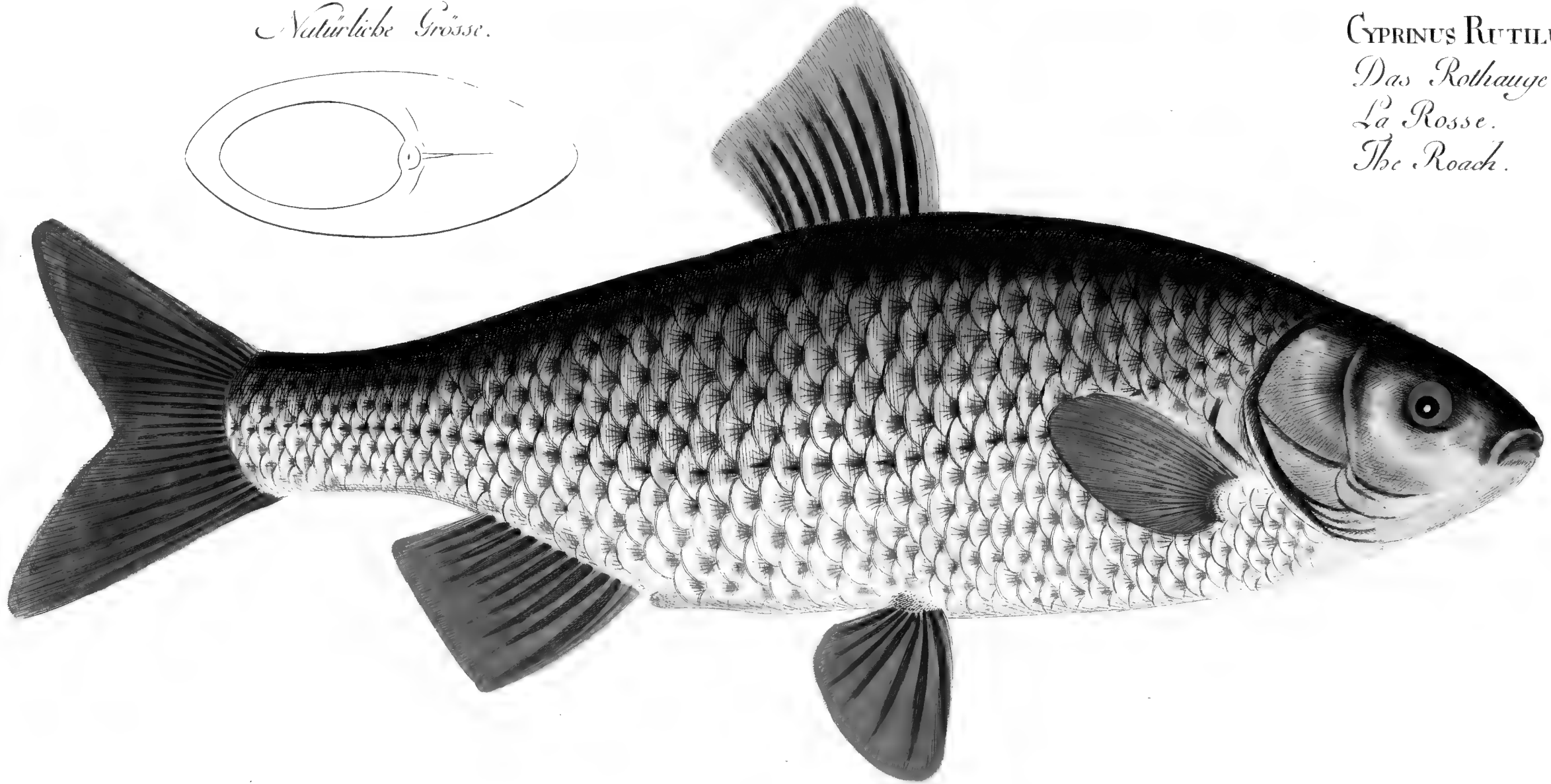
C. Schmidt sc.

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Natürliche Grösse.



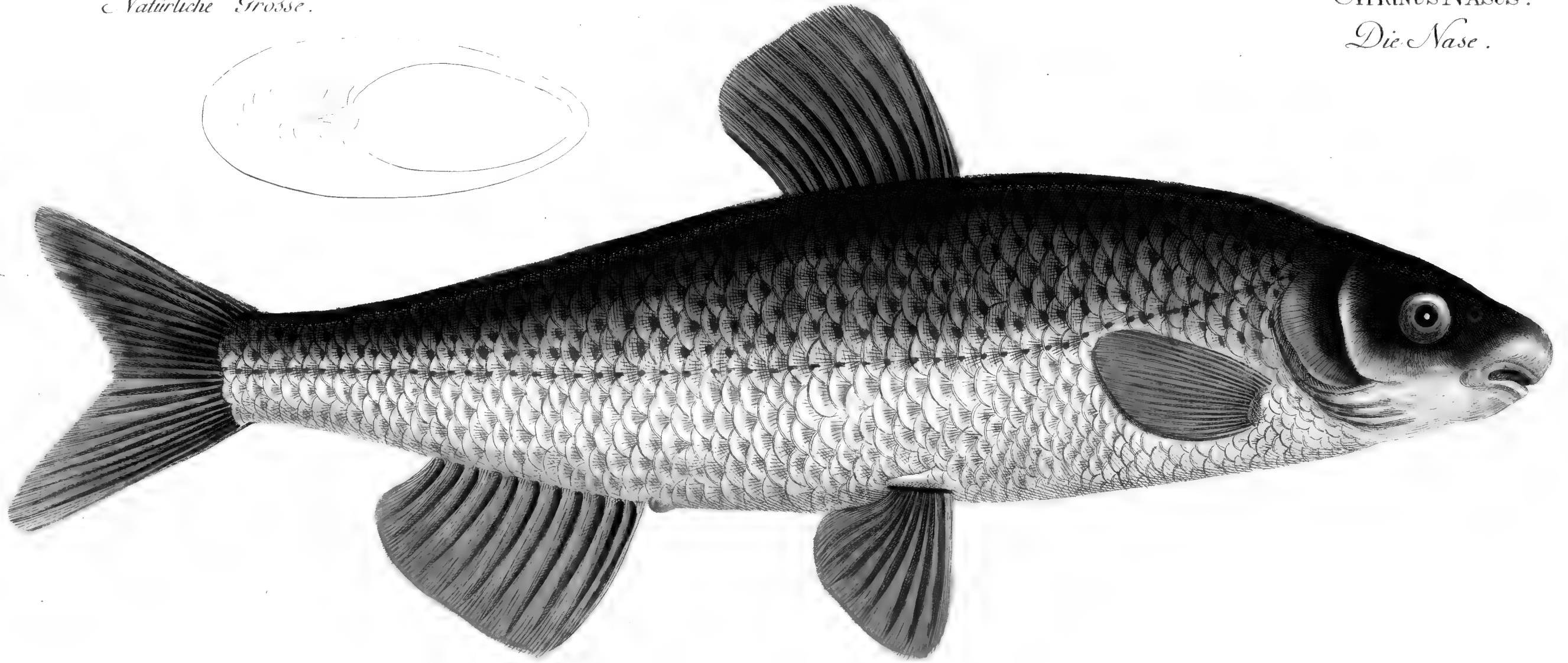
CYPRINUS RUTILUS.
Das Rothauge.
La Rosse.
The Roach.



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Natürliche Grösse.

CYPRINUS NASUS.
Die Nase.

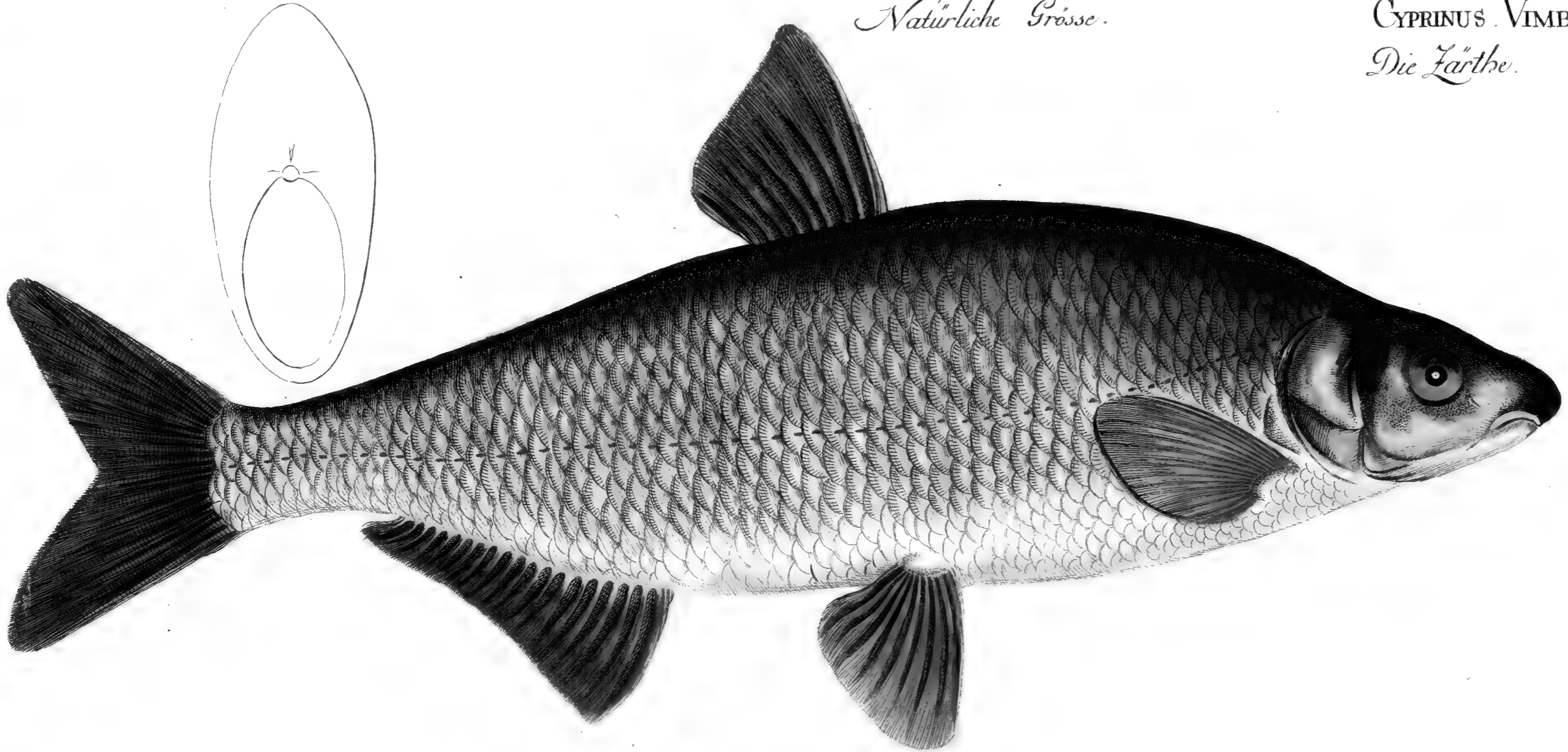


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IV Taf.

Natürliche Grösse.

CYPRINUS VIMBA.
Die Färthe.

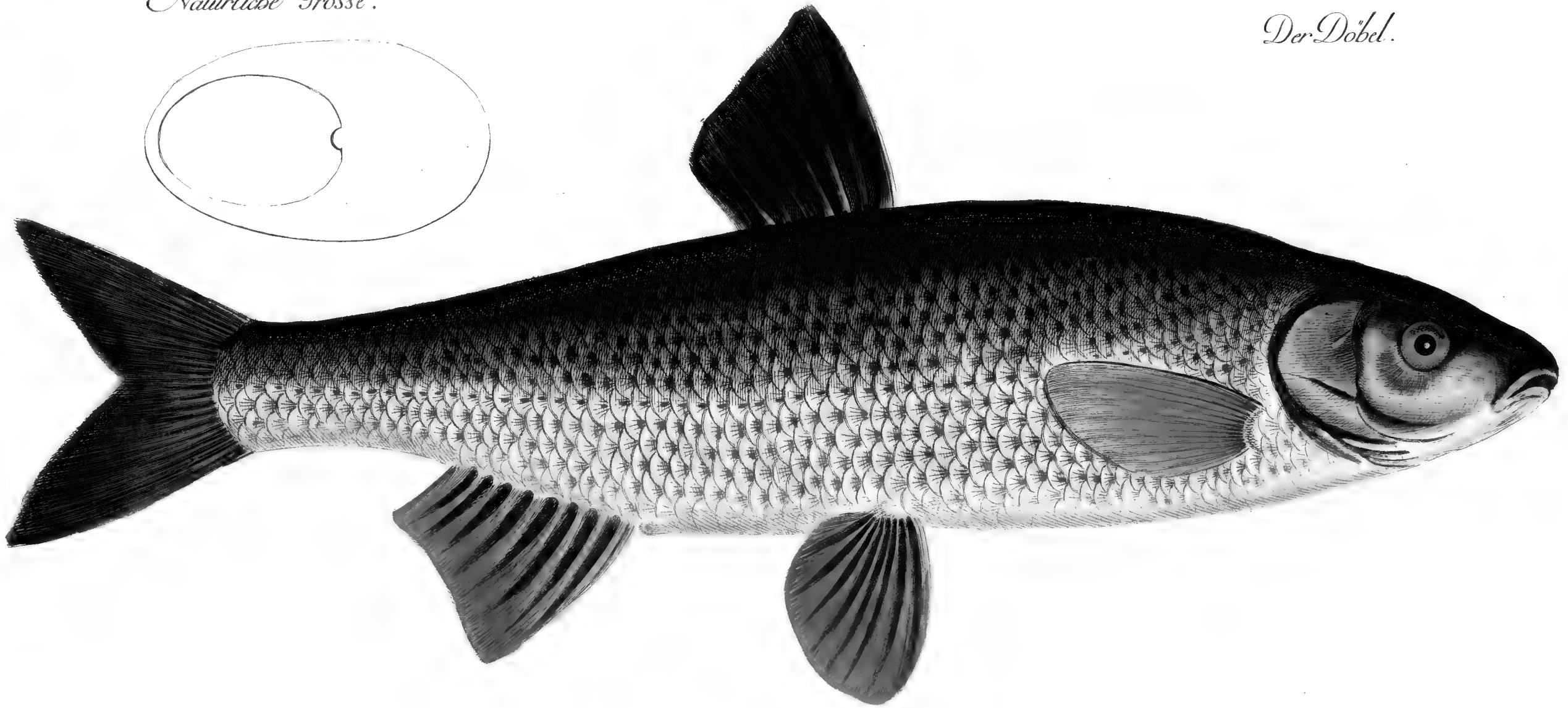


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V Taf.

Natürliche Grösse.

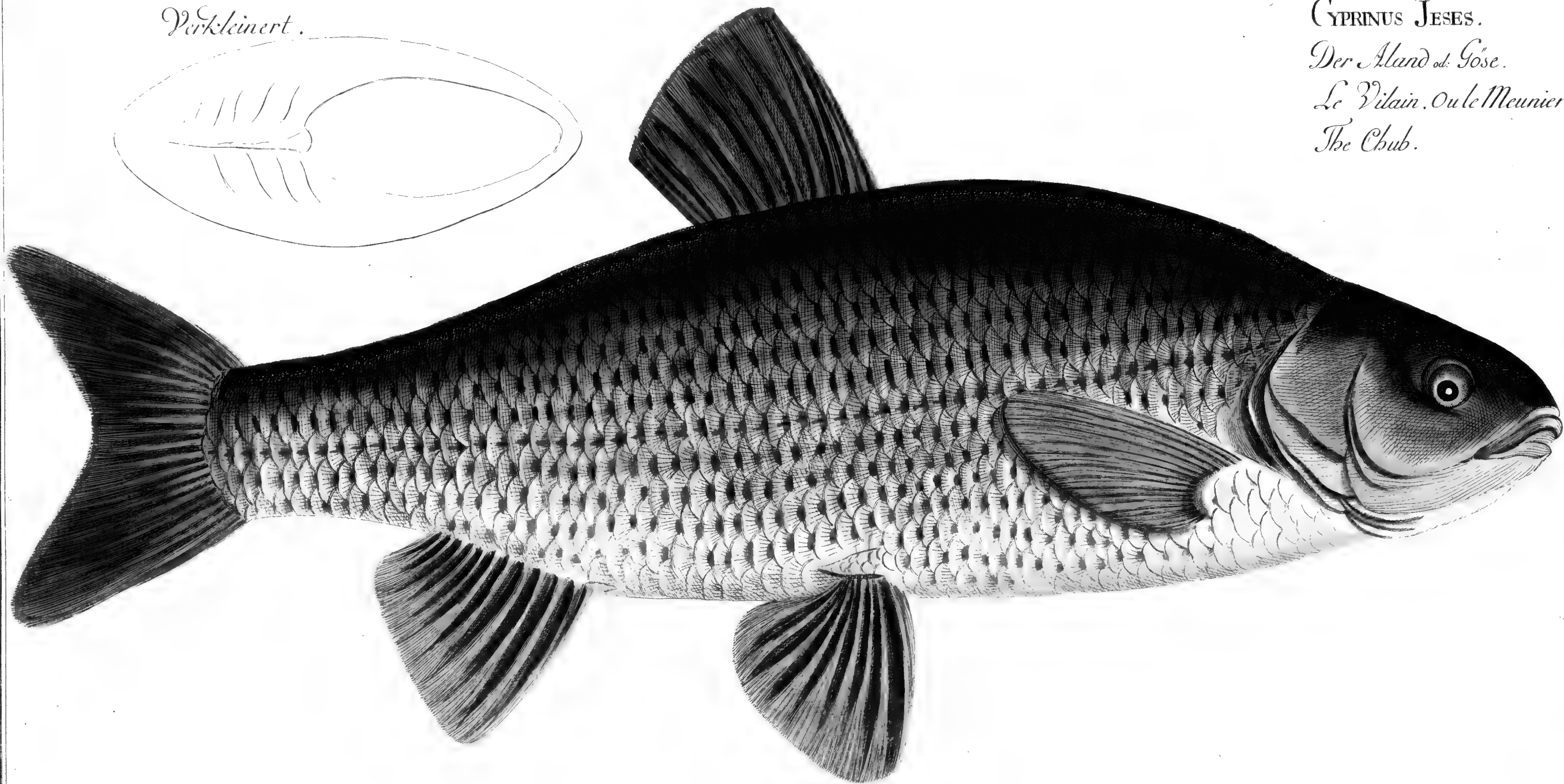
CYPRINUS DOBULA.
Der Döbel.



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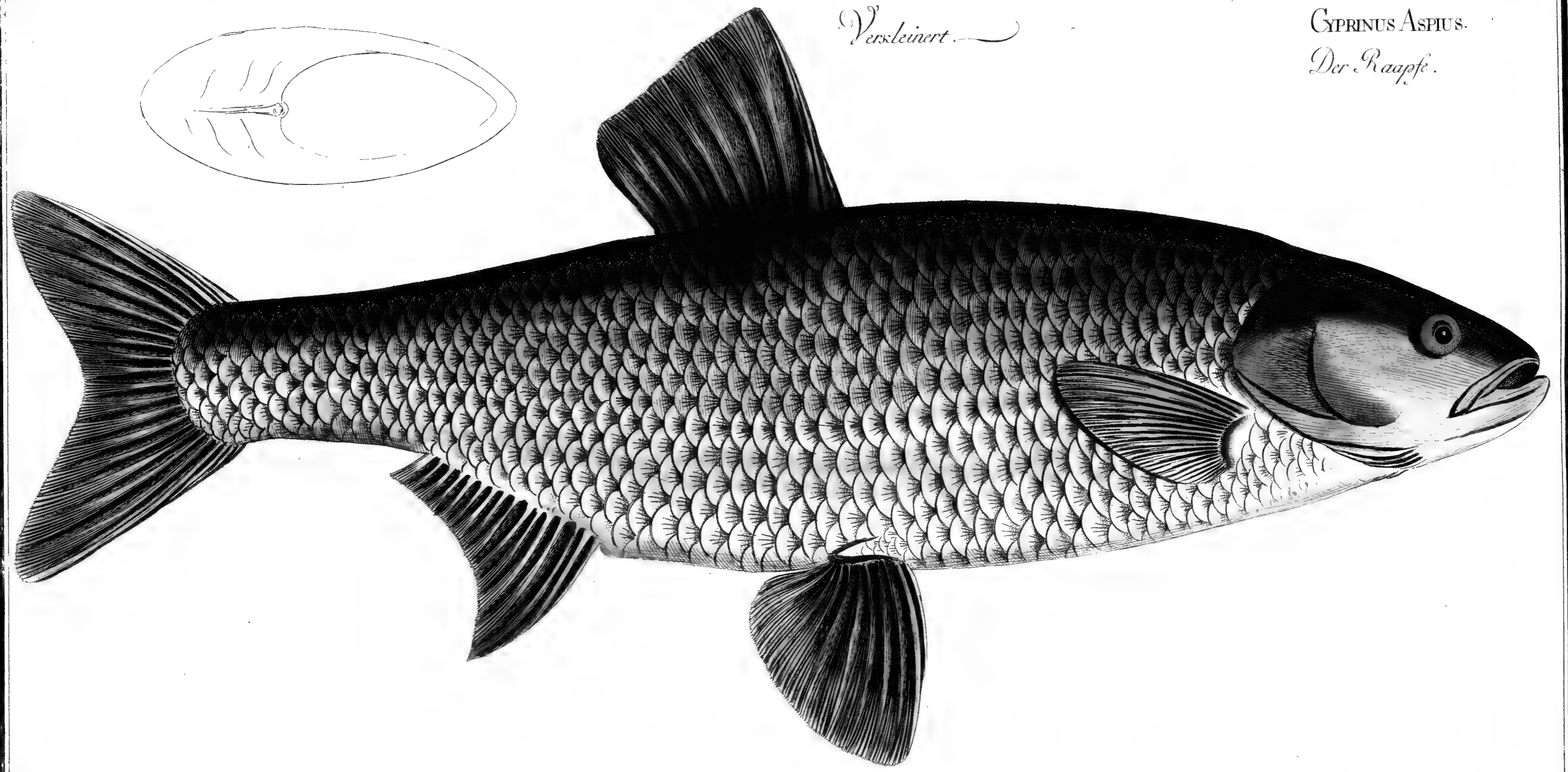
CYPRINUS JESES.
Der Aland od. Göse.
Le Vilain, ou le Meunier.
The Chub.



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Versleinert.

CYPRINUS ASPIUS.
Der Raapfe.



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Fig. 1.
CYPRINUS BIPUNCTATUS.
Die Aland-Blecke.

Fig. 2.
CYPR. GOBIO.
Der Gründling.
Le Goujon.
The Gudgeon.

Fig. 3.
CYPR. AMARUS.
Der Bitterling.

Fig. 4.
CYPR. ALBURNUS.
Der Uxedeley.
La Weblette.
The Bleak.

Fig. 5.
CYPR. PHOXINUS.
Die Sritze.
Le Veron.
The Minnow.

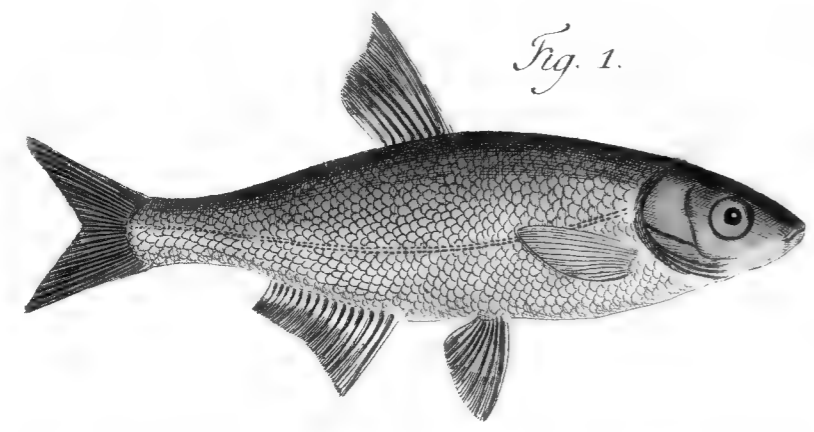


Fig. 1.



Fig. 2.

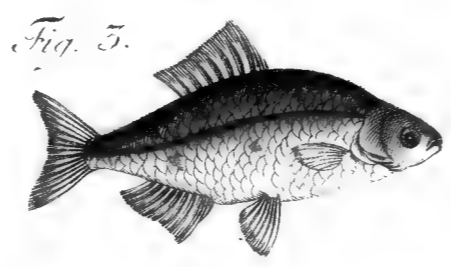
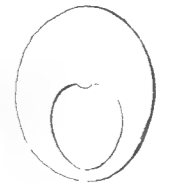


Fig. 3.

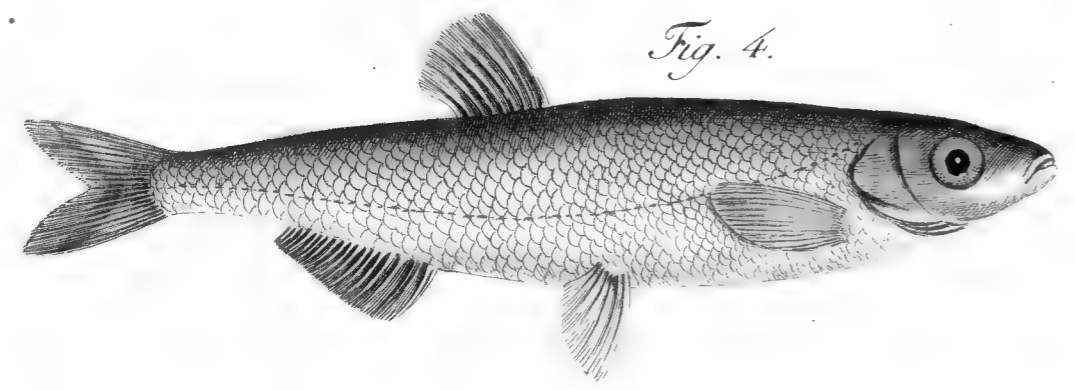


Fig. 4.

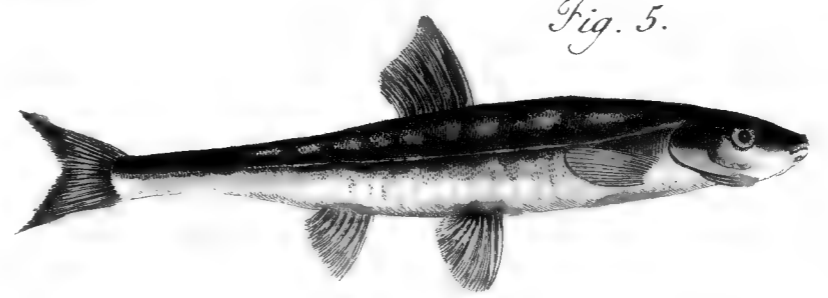


Fig. 5.



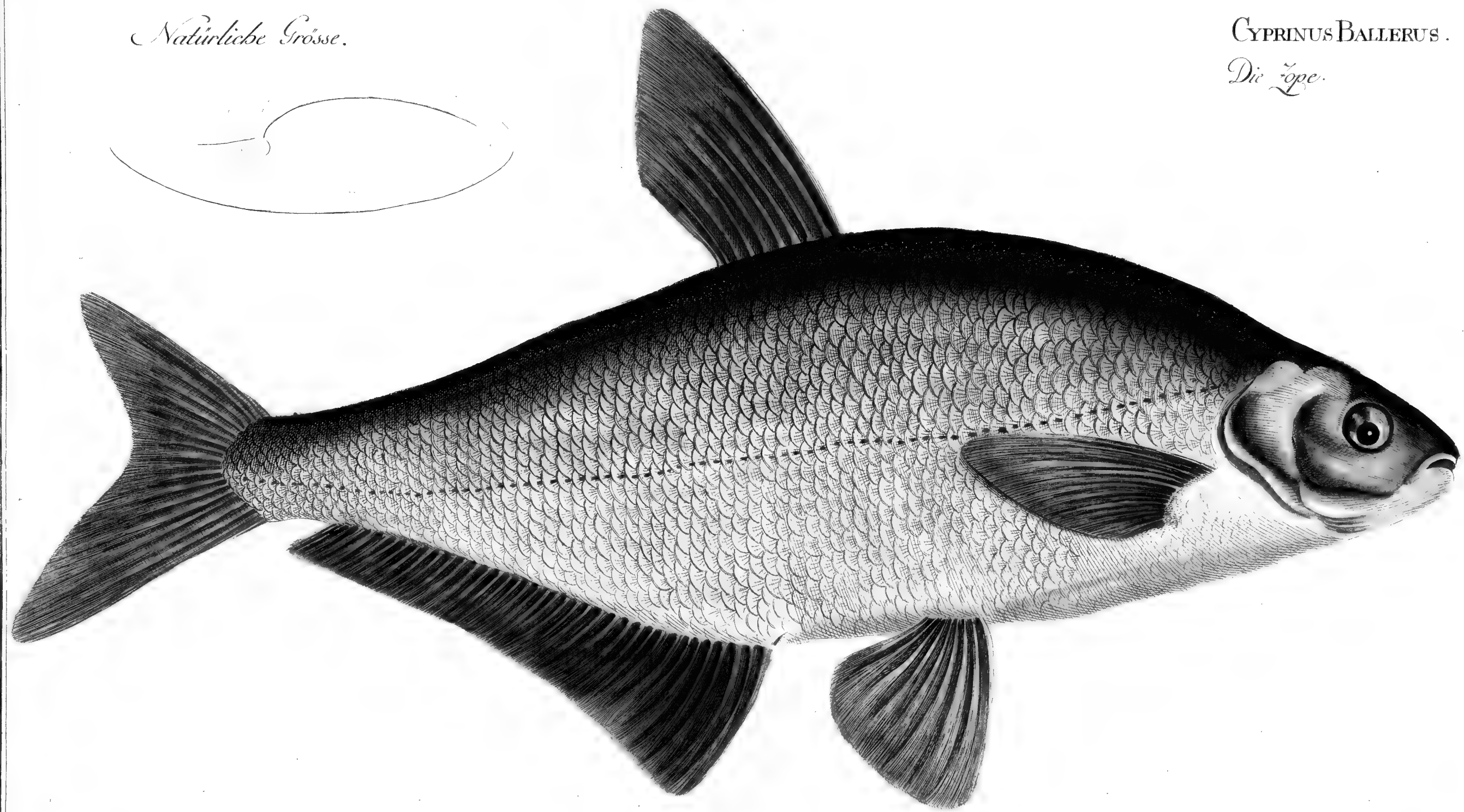
Natürliche Grössen.

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Natürliche Grösse.

CYPRINUS BALLERUS.

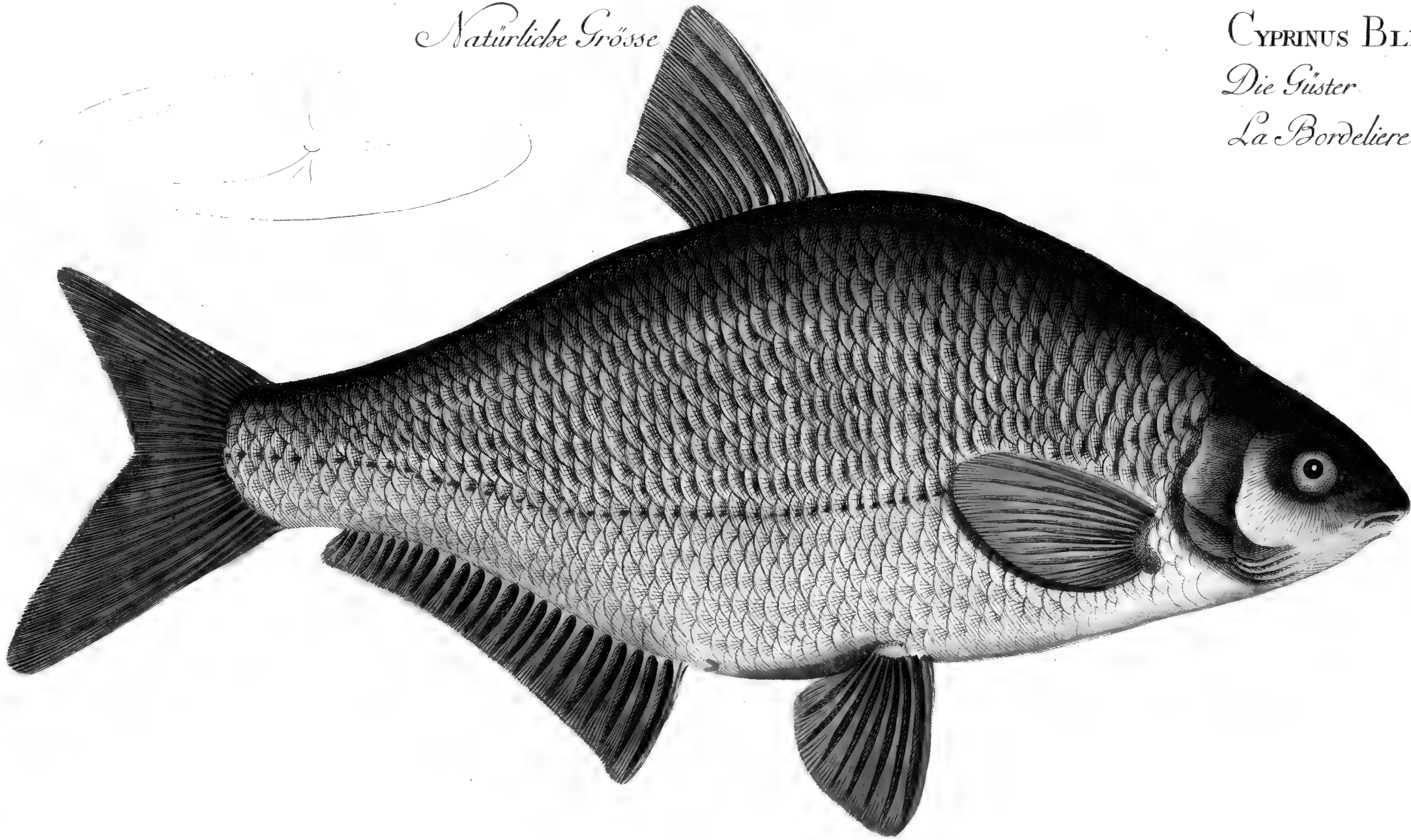
Die Zope.



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Natürliche Grösse

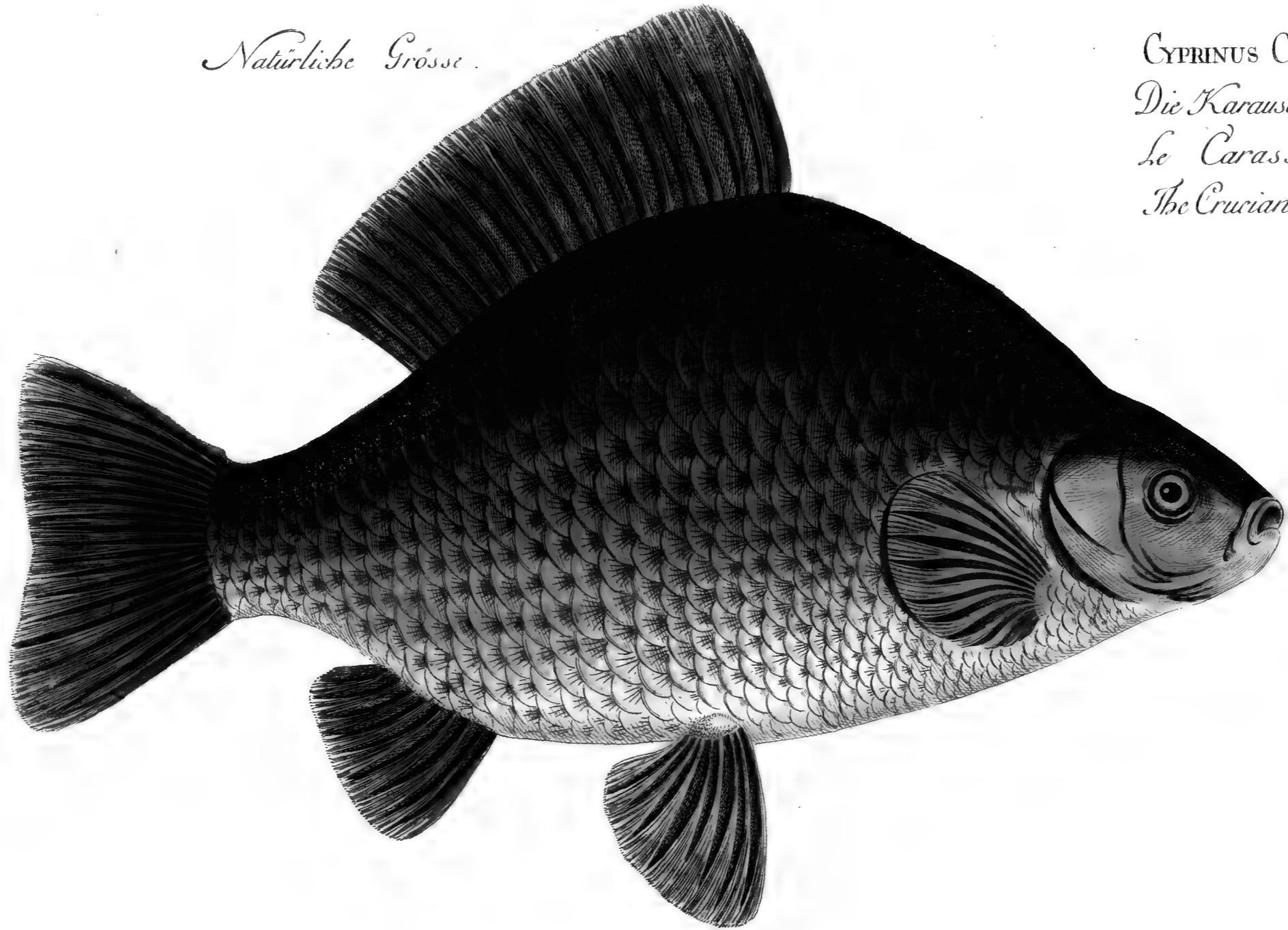
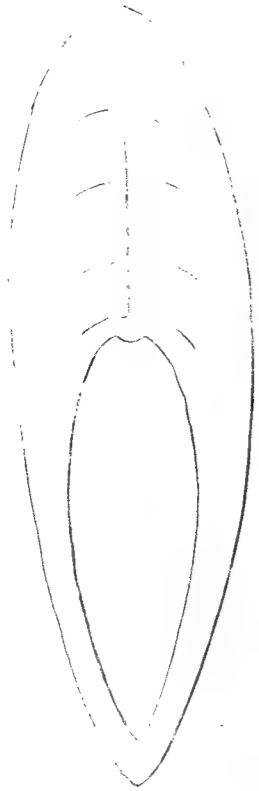
CYPRINUS BLICCA
Die Güster.
La Bordeliere



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Natürliche Grösse.

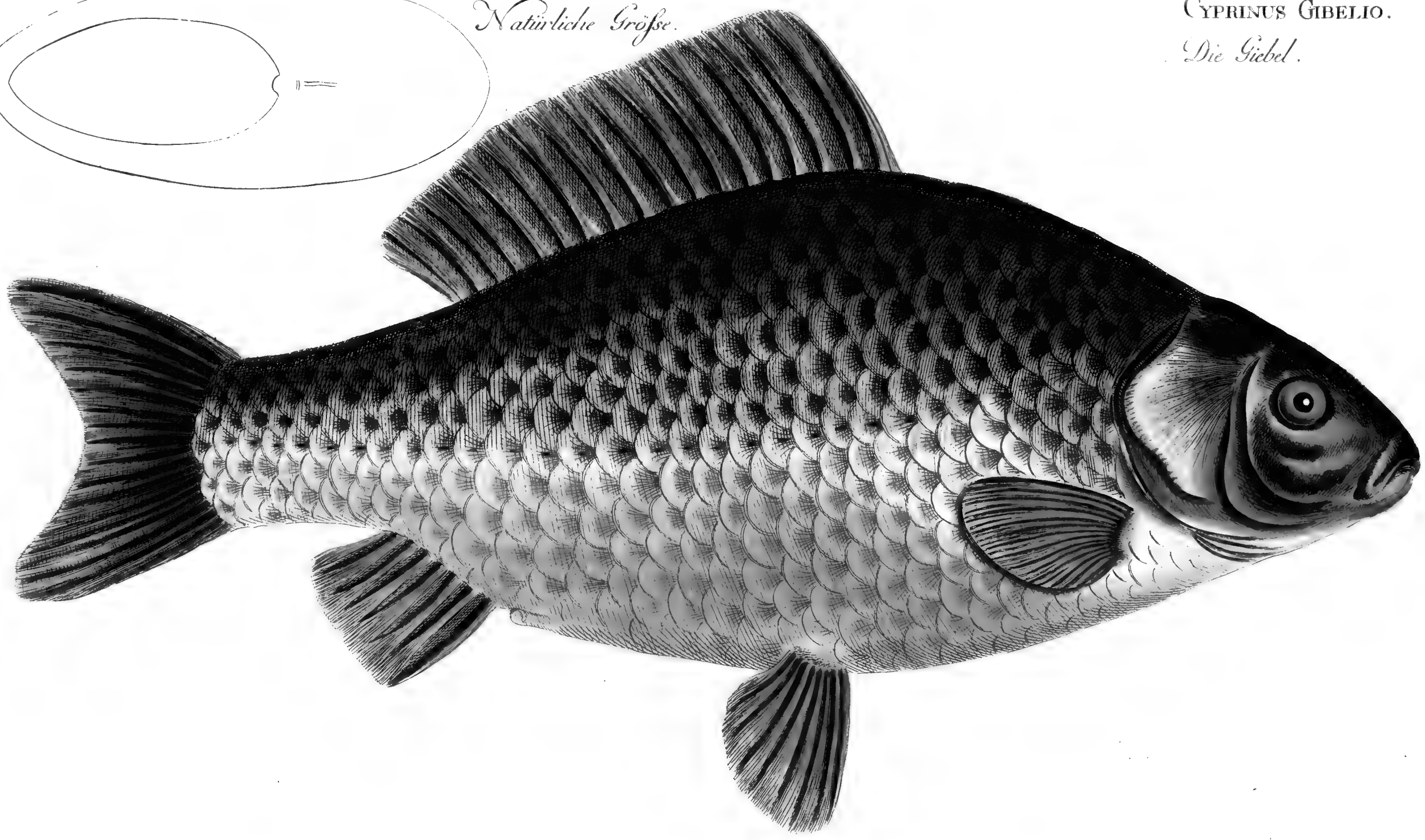
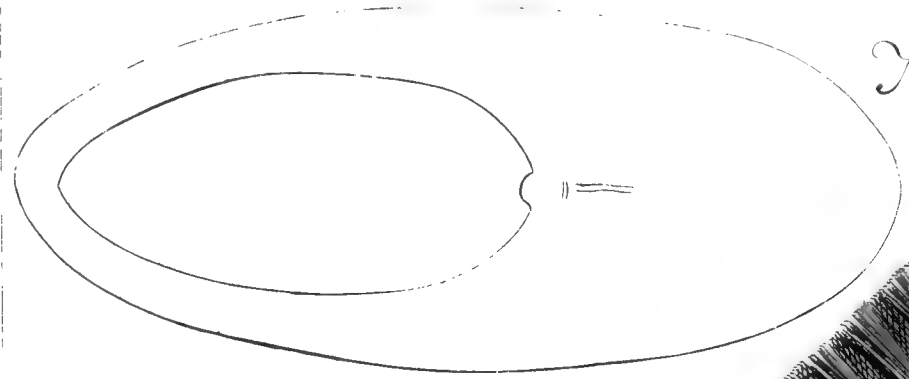
CYPRINUS CARASSIUS.
Die Karausche.
Le Carassin.
The Crucian.



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Natürliche Größe.

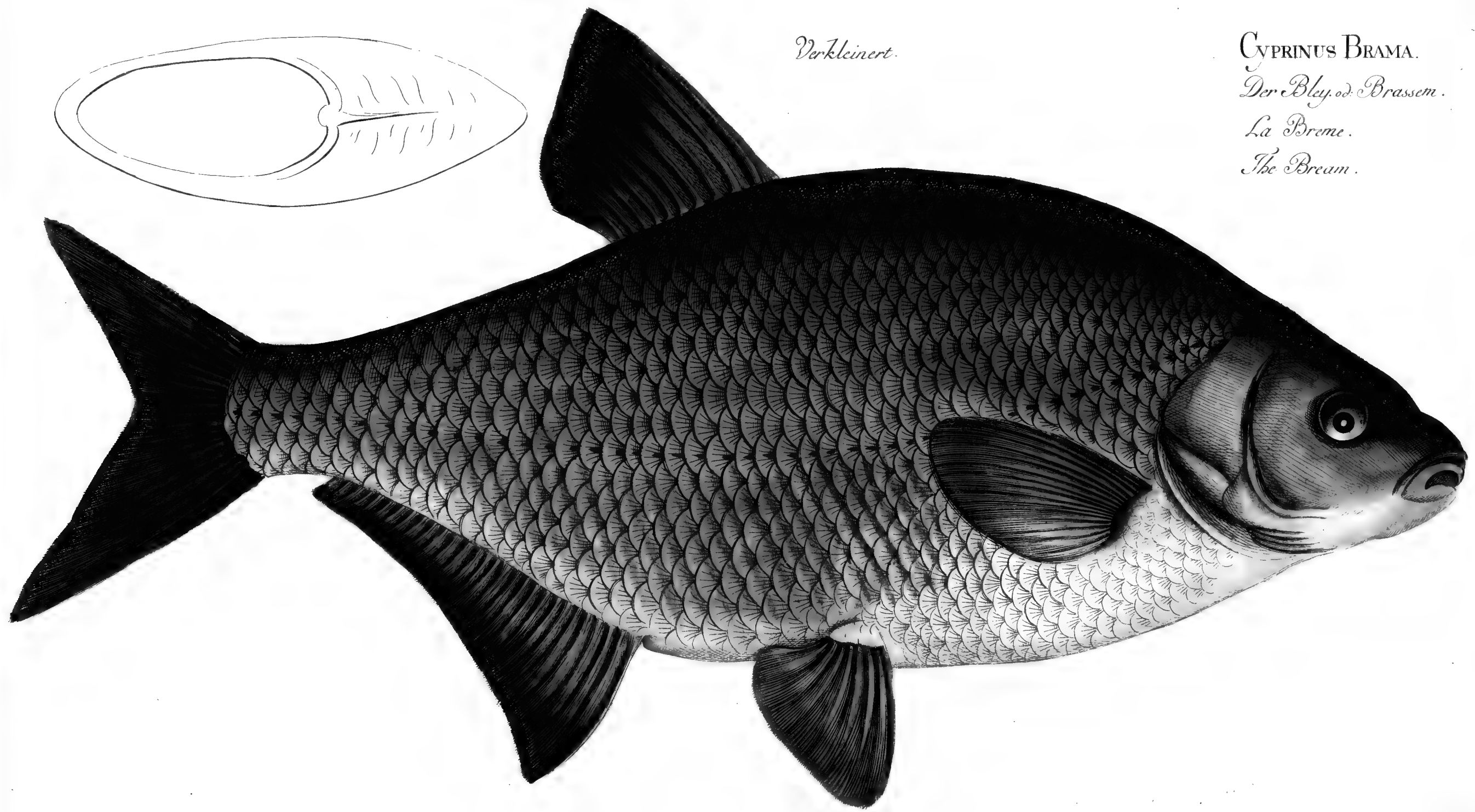
CYPRINUS GIBELIO.
Die Giebel.



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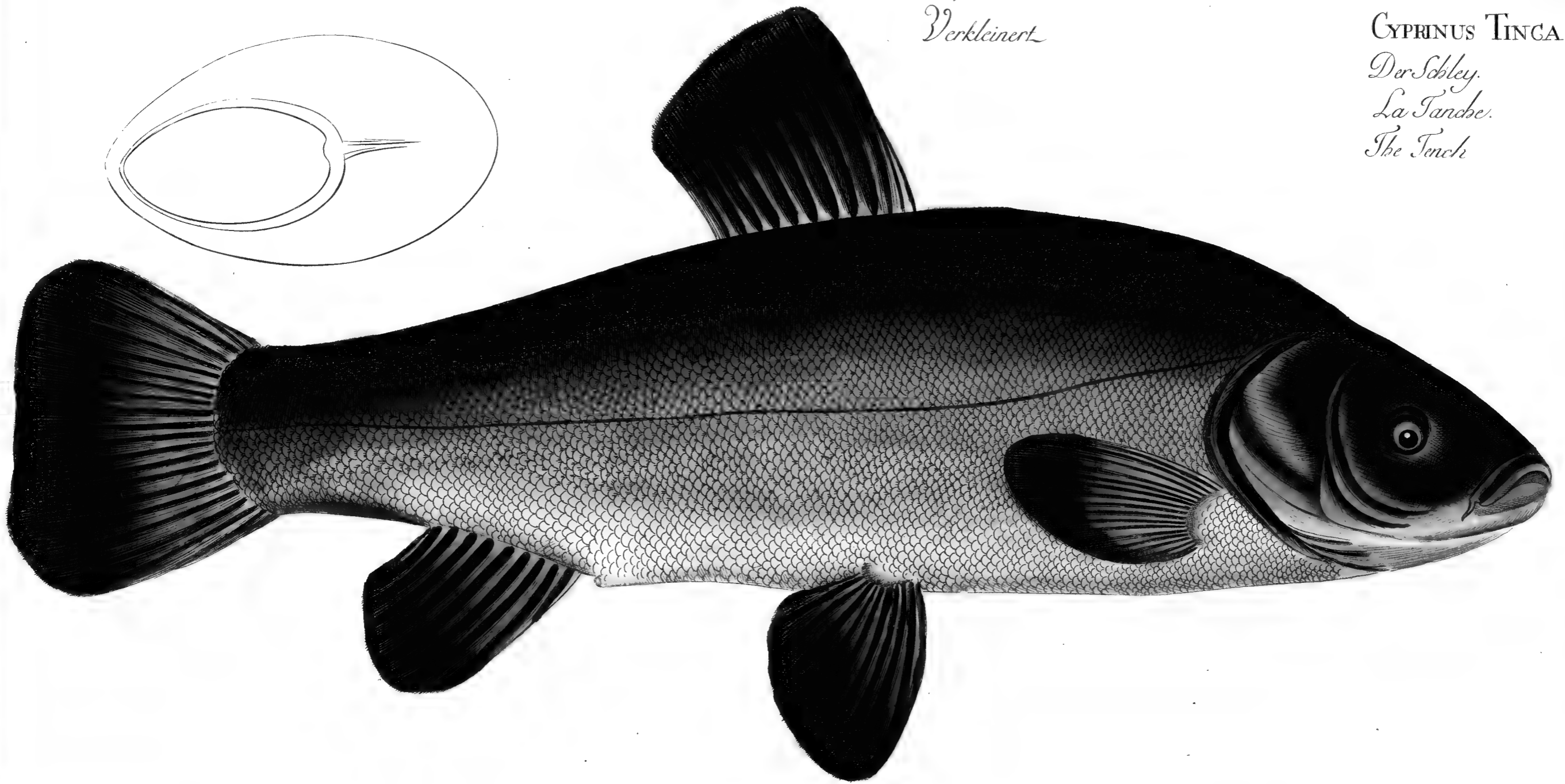
CYPRINUS BRAMA.
Der Bley. od. Brassem.
La Brome.
The Bream.



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Verkleinert

CYPRINUS TINCA.
Der Schley.
La Tanche.
The Tench



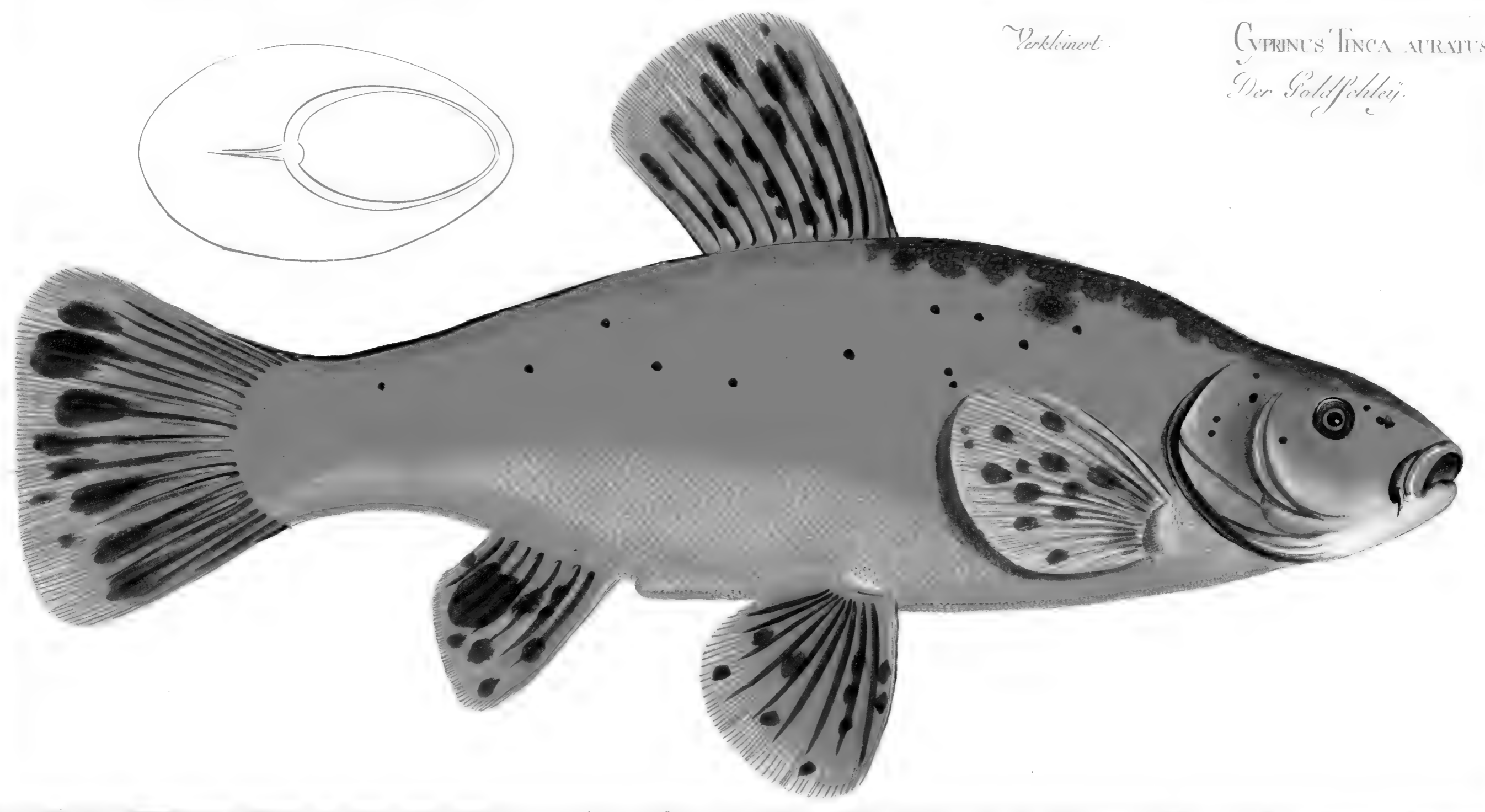
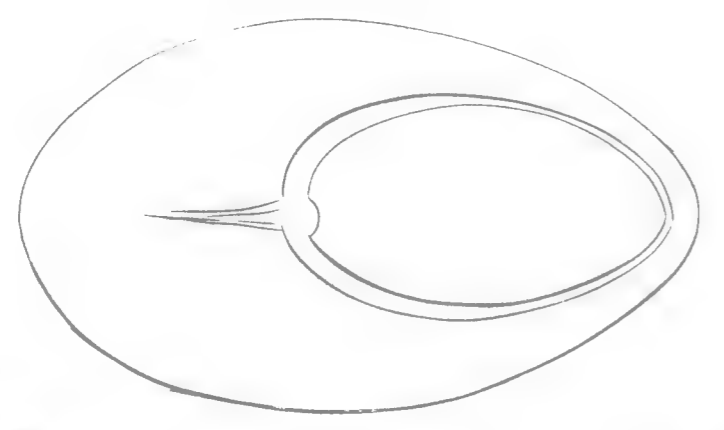
W. Schlegel del.

J. G. Schmidt sc.

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Verkleinert.

CYPRINUS TINCA AURATUS.
Der Goldschleij.



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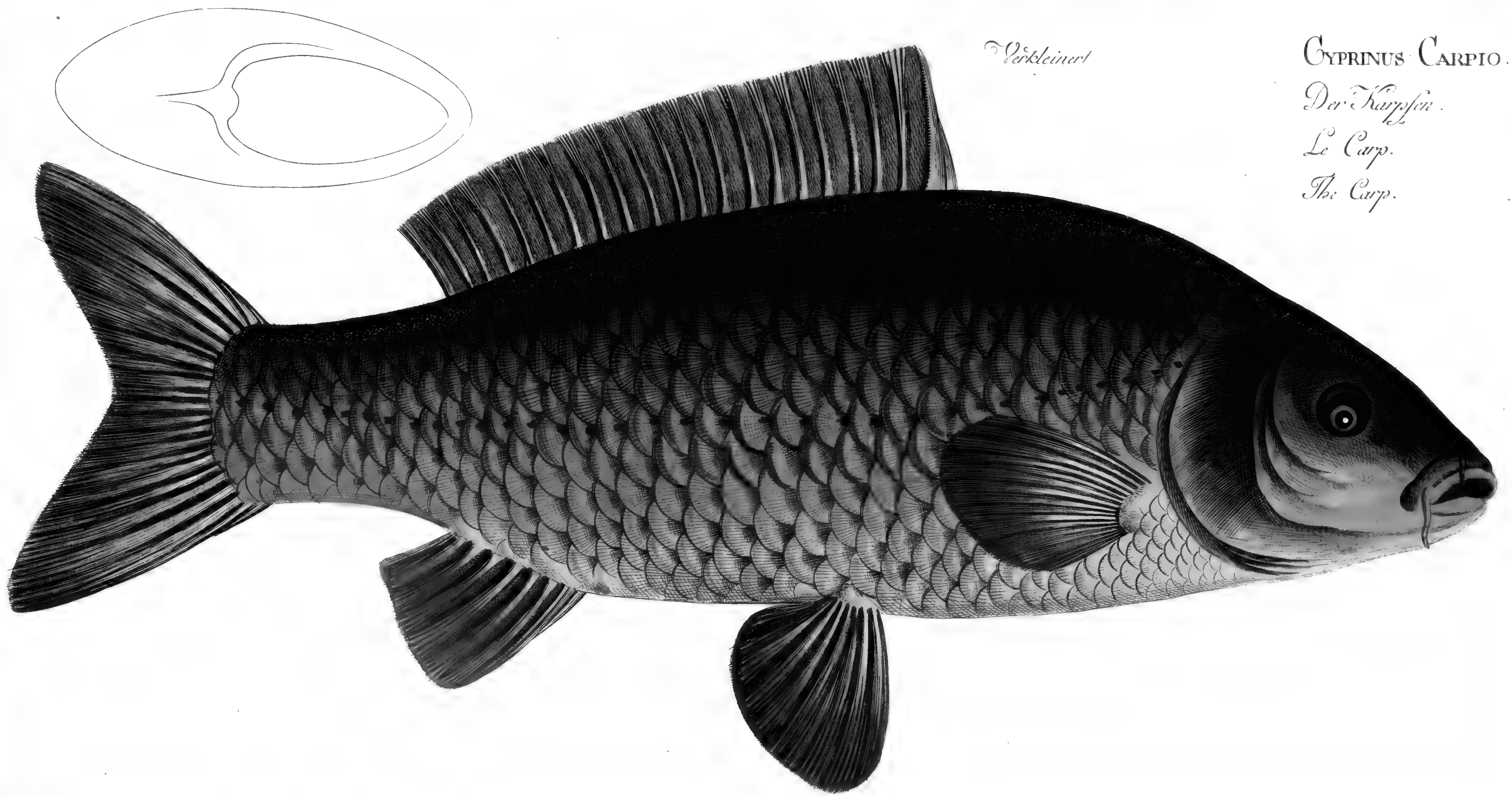
Verkleinert

CYPRINUS CARPIO.

Der Karpfen.

Le Carp.

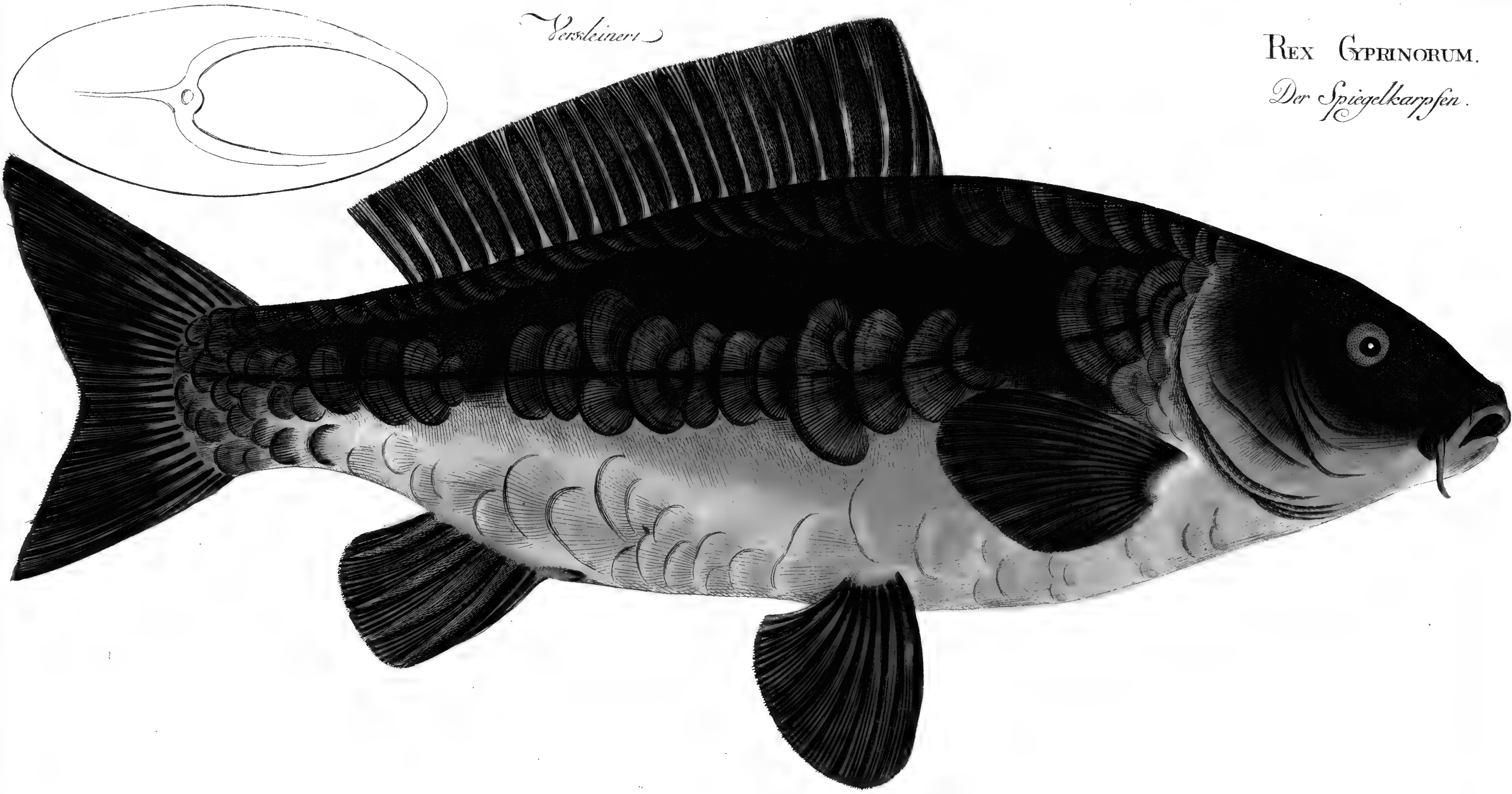
Ilse Carp.



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Verkleinert

REX GYPRINORUM.
Der Spiegelkarpfen.



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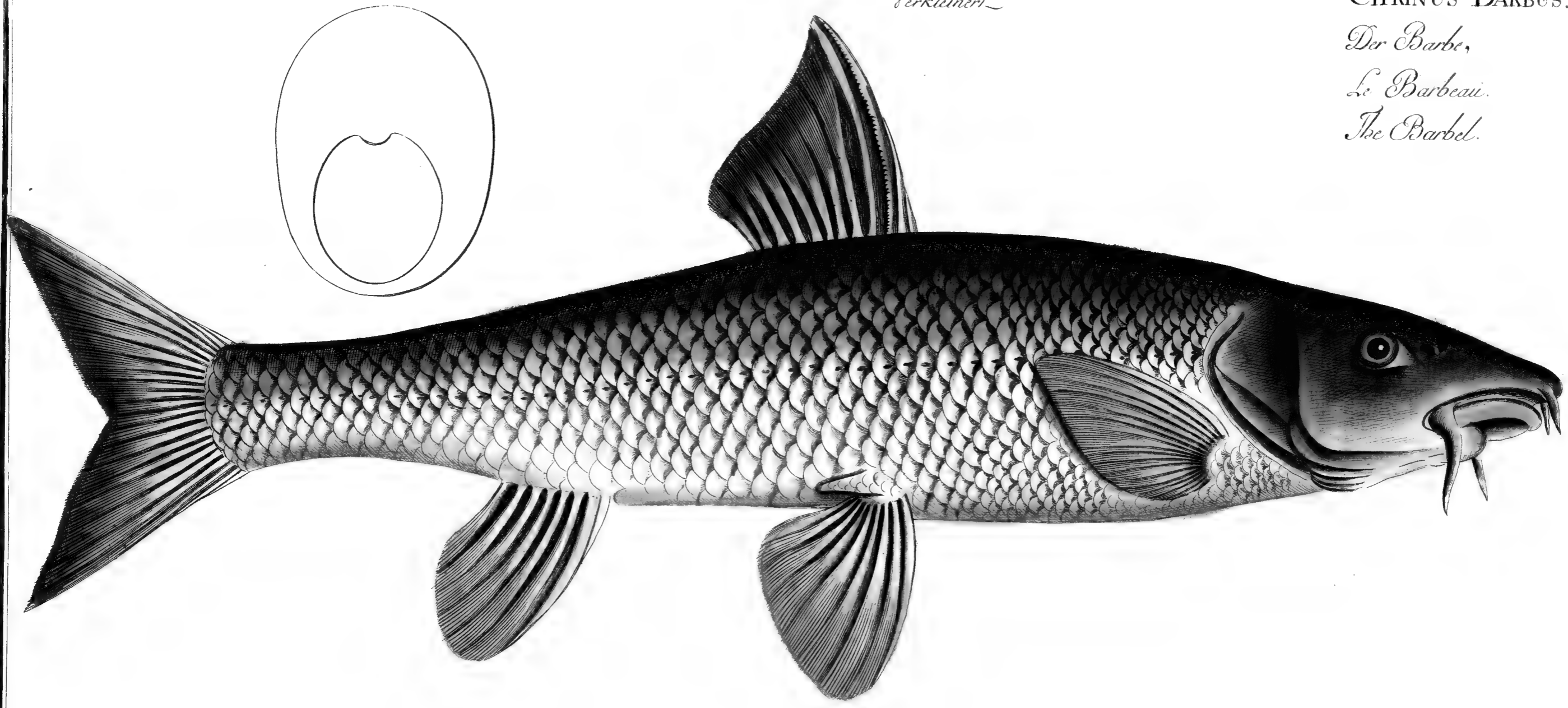
Verkleinert

CYPRINUS BARBUS.

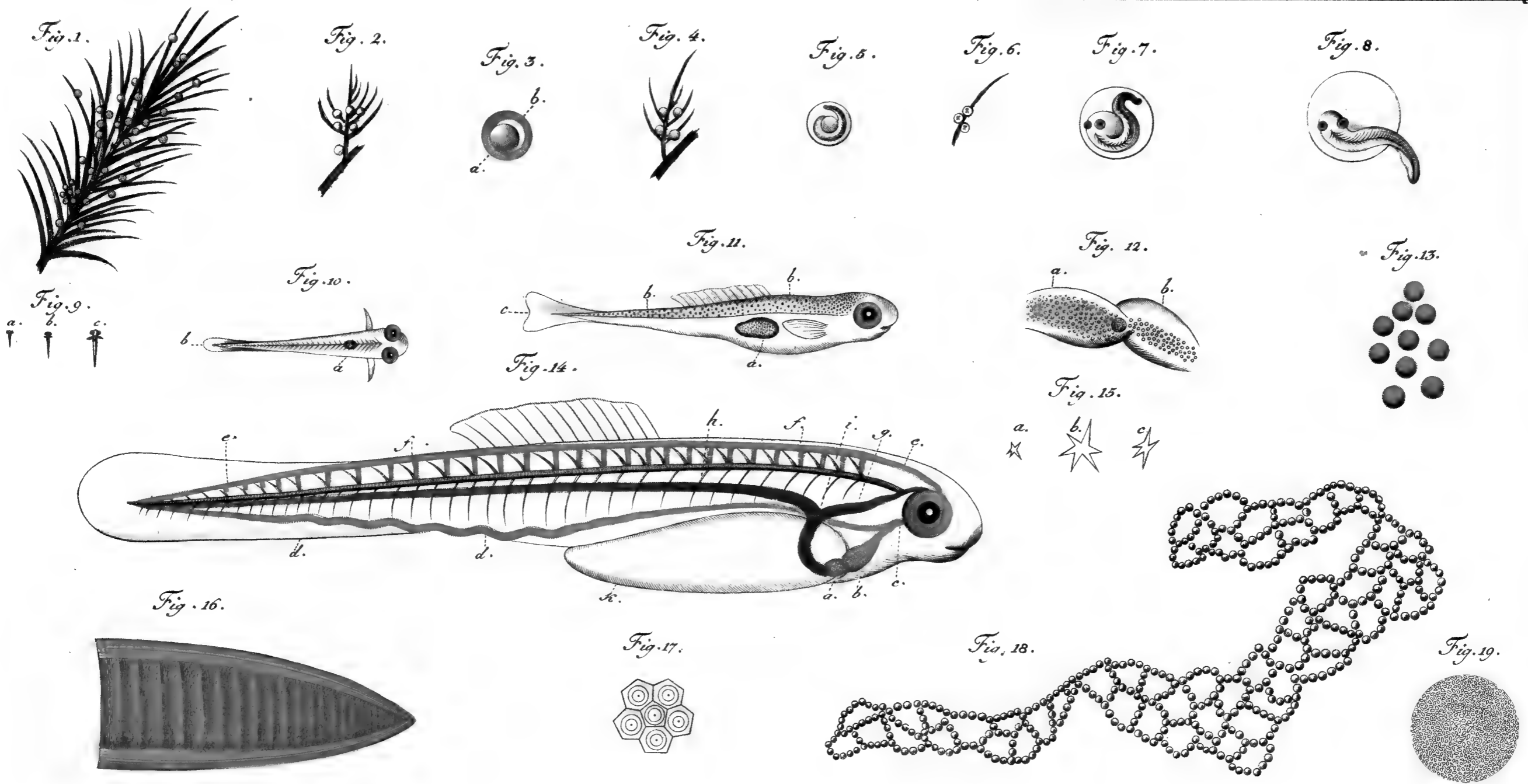
Der Barbe,

Le Barbeau.

The Barbel.



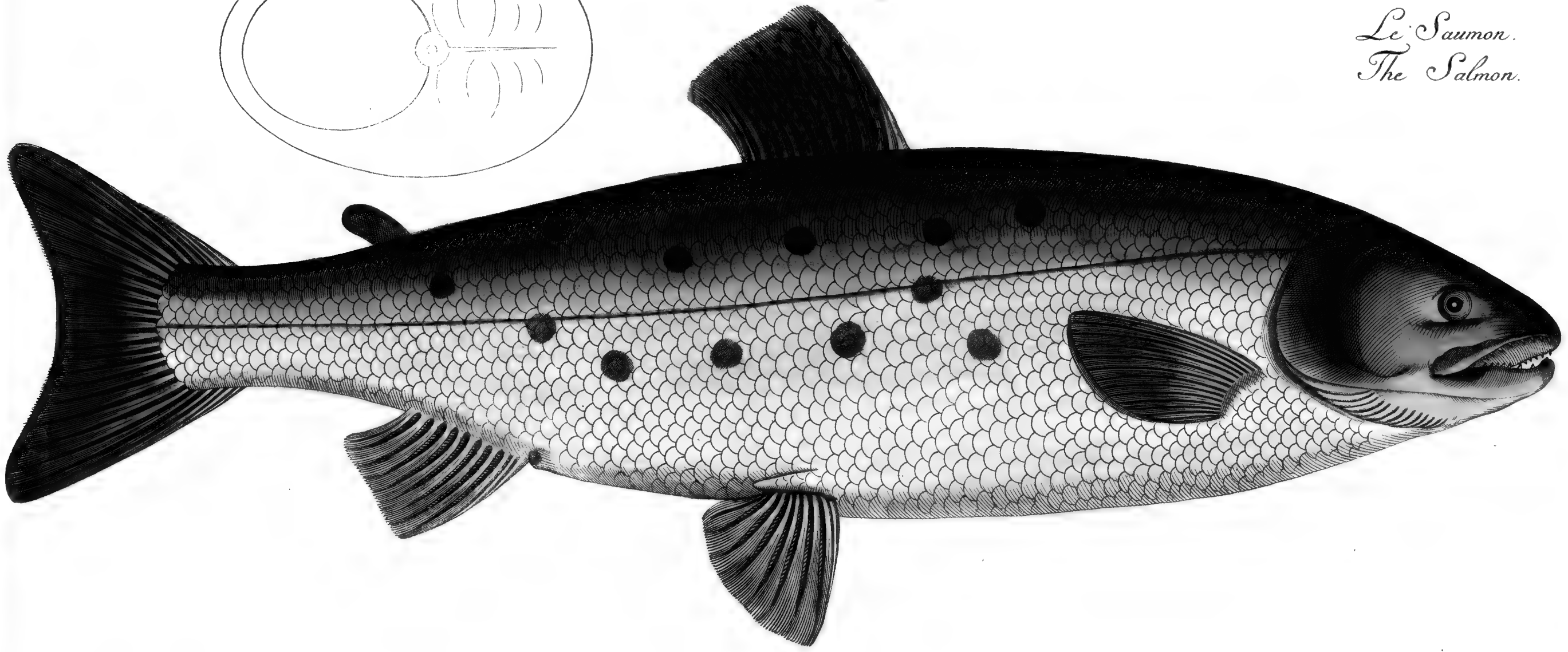
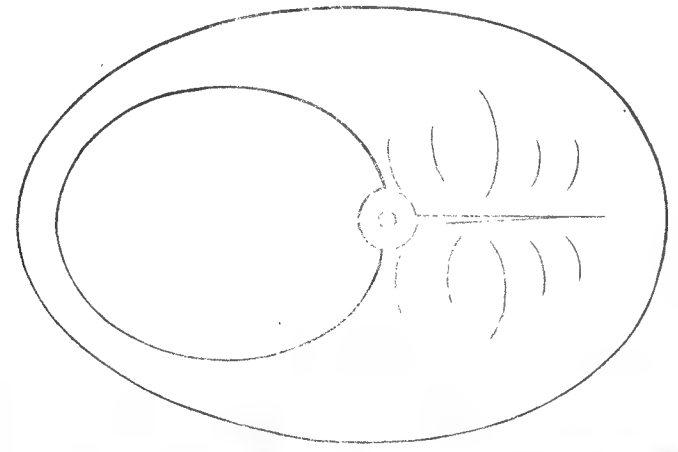
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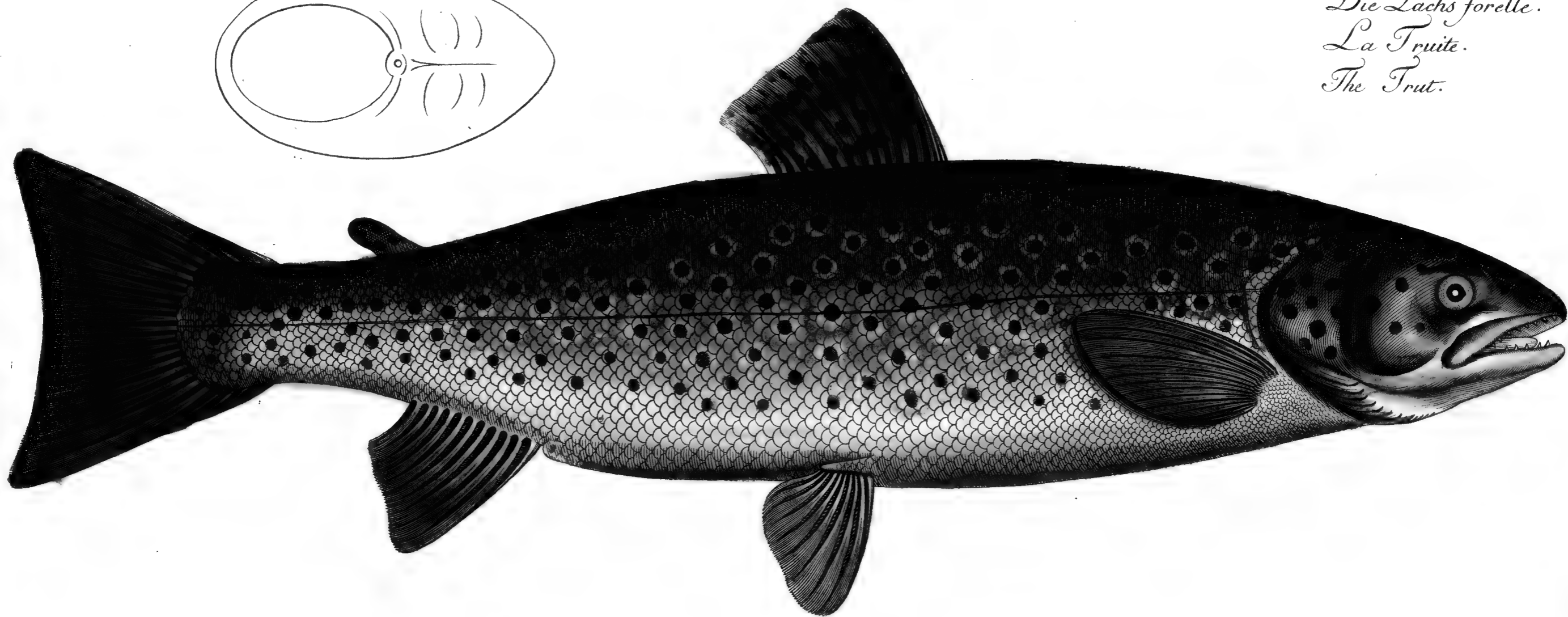
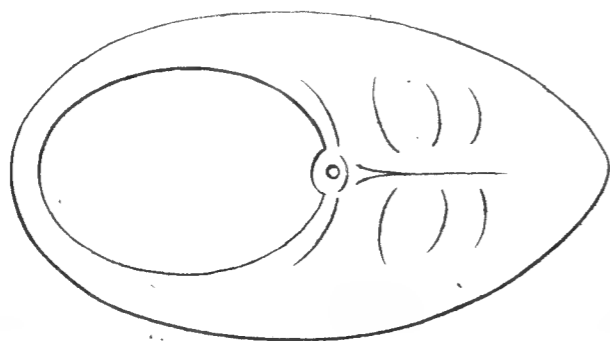
SALMO. SALAR. *Ferr.*
Der Lachs. *Taf. 98. Mas.*
Le Saumon.
The Salmon.



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Verkleinert.

SALMO TRUTTA.
Die Lachs forelle.
La Truite.
The Trout.



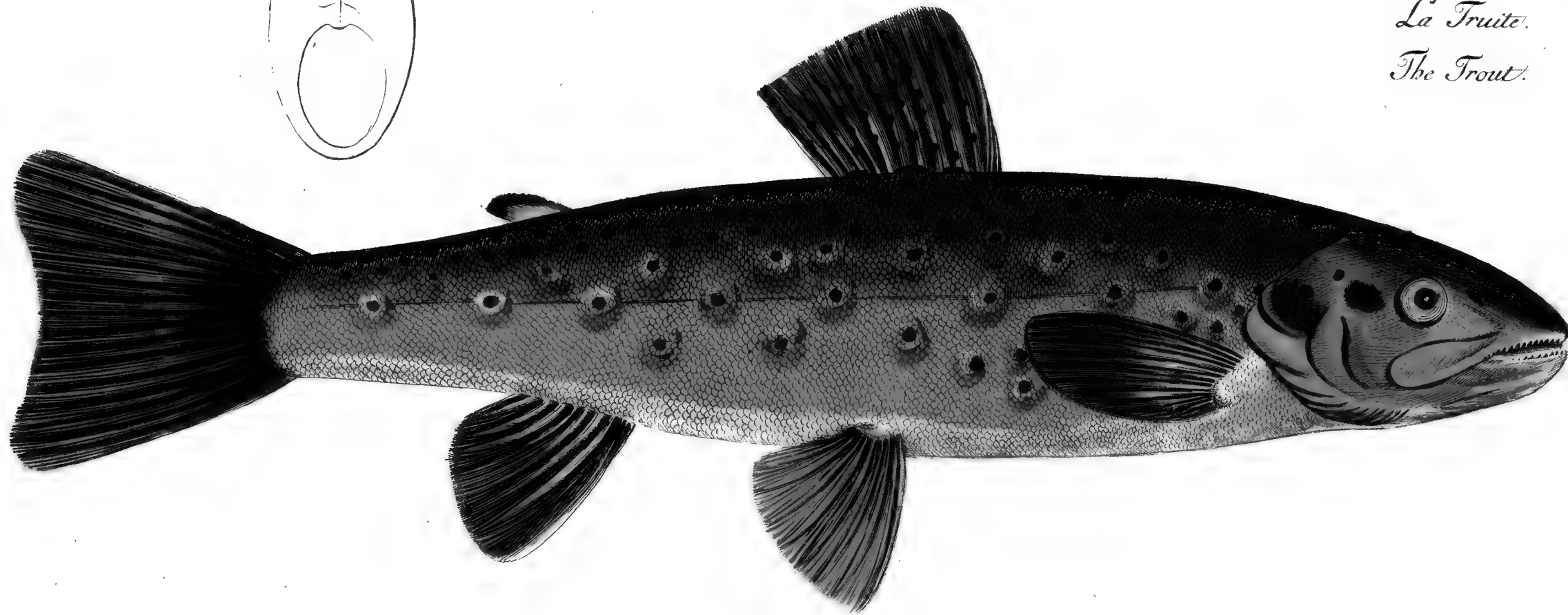
Krüger jun. del.

G. Bodensch. sc.

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Natürliche Grösse

SALMO FARIO.
Die Teichforelle.
La Truite.
The Trout.

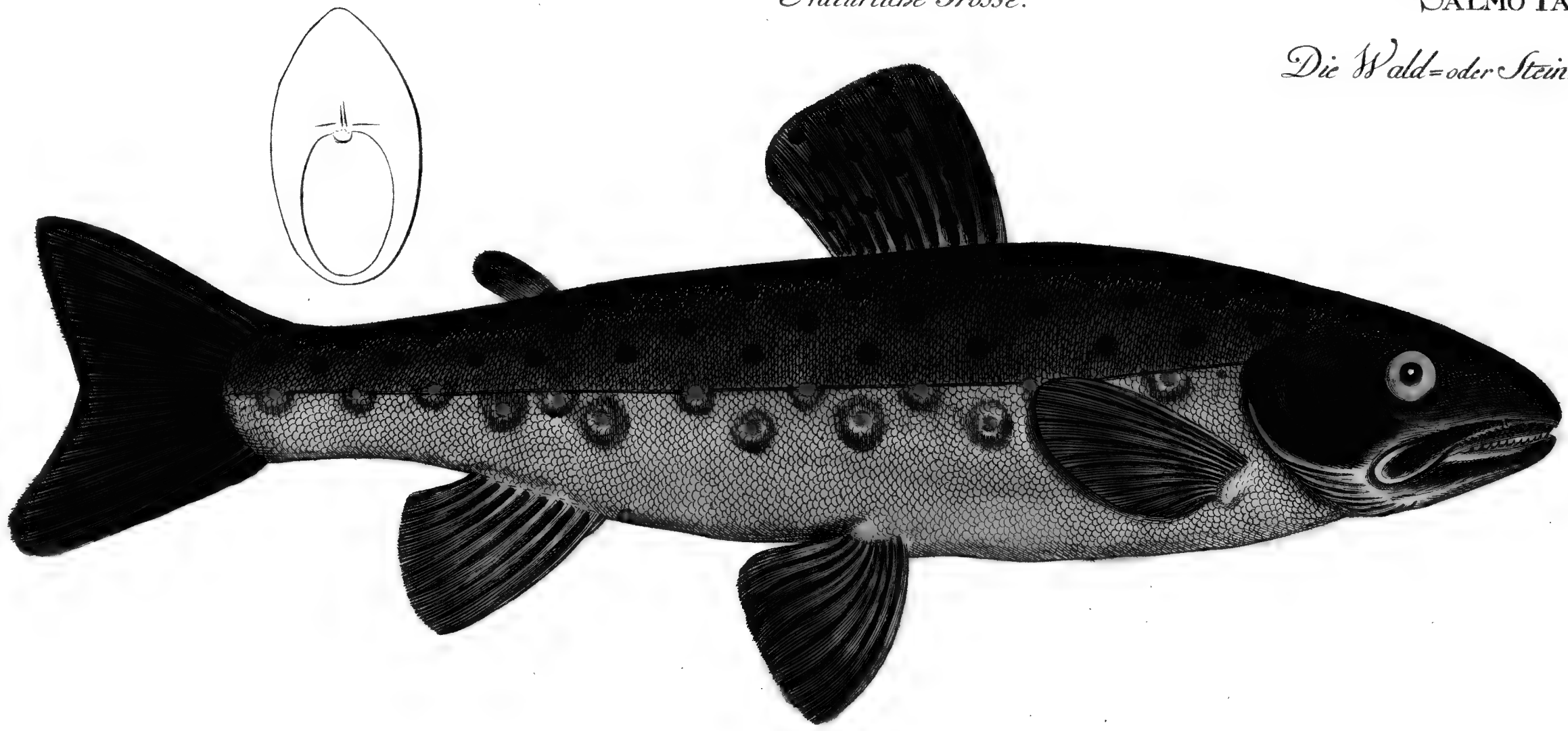


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Natürliche Grösse.

SALMO FARIO.

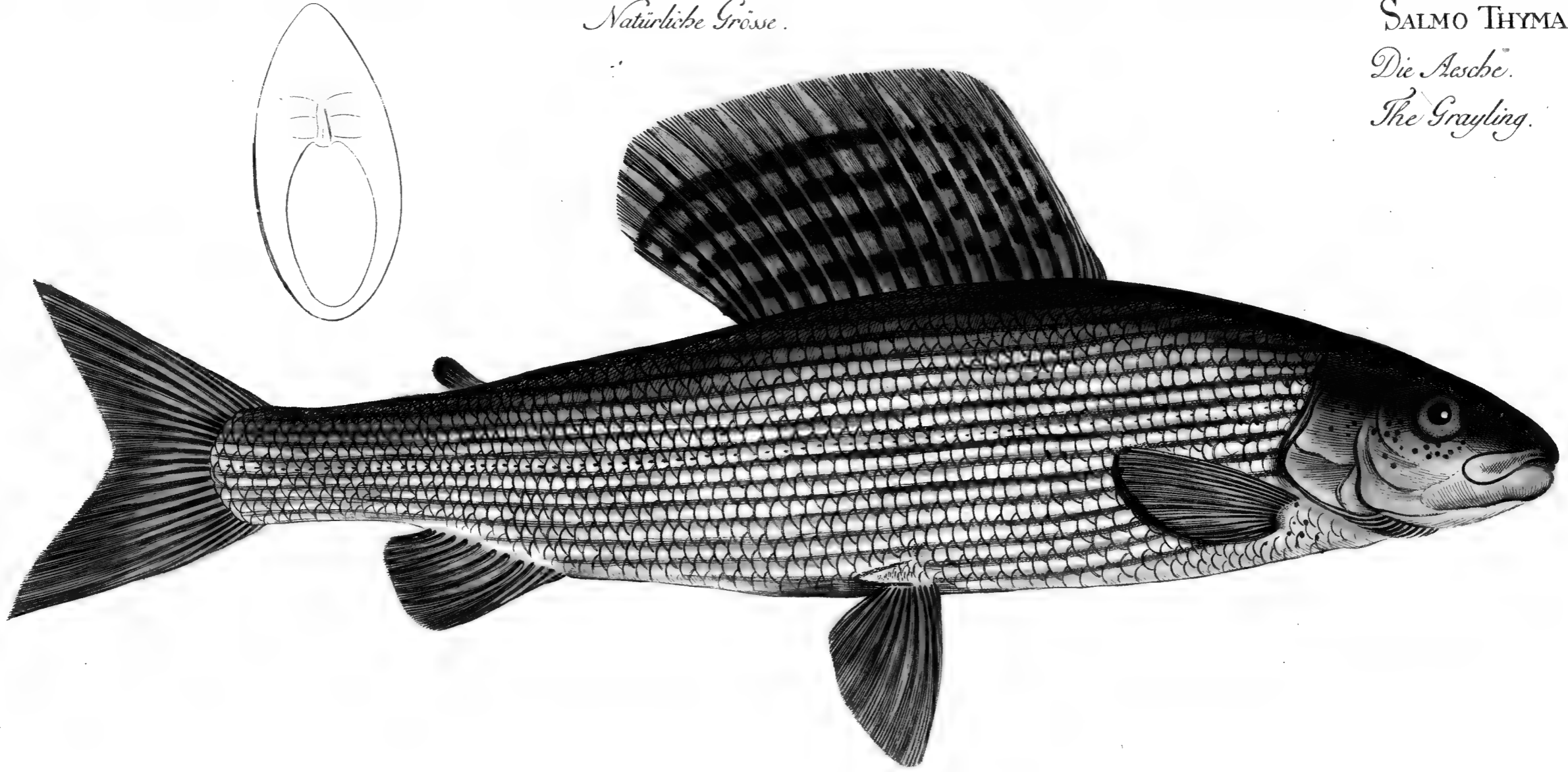
Die Wald-oder Stein-forelle.



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Natürliche Grösse.

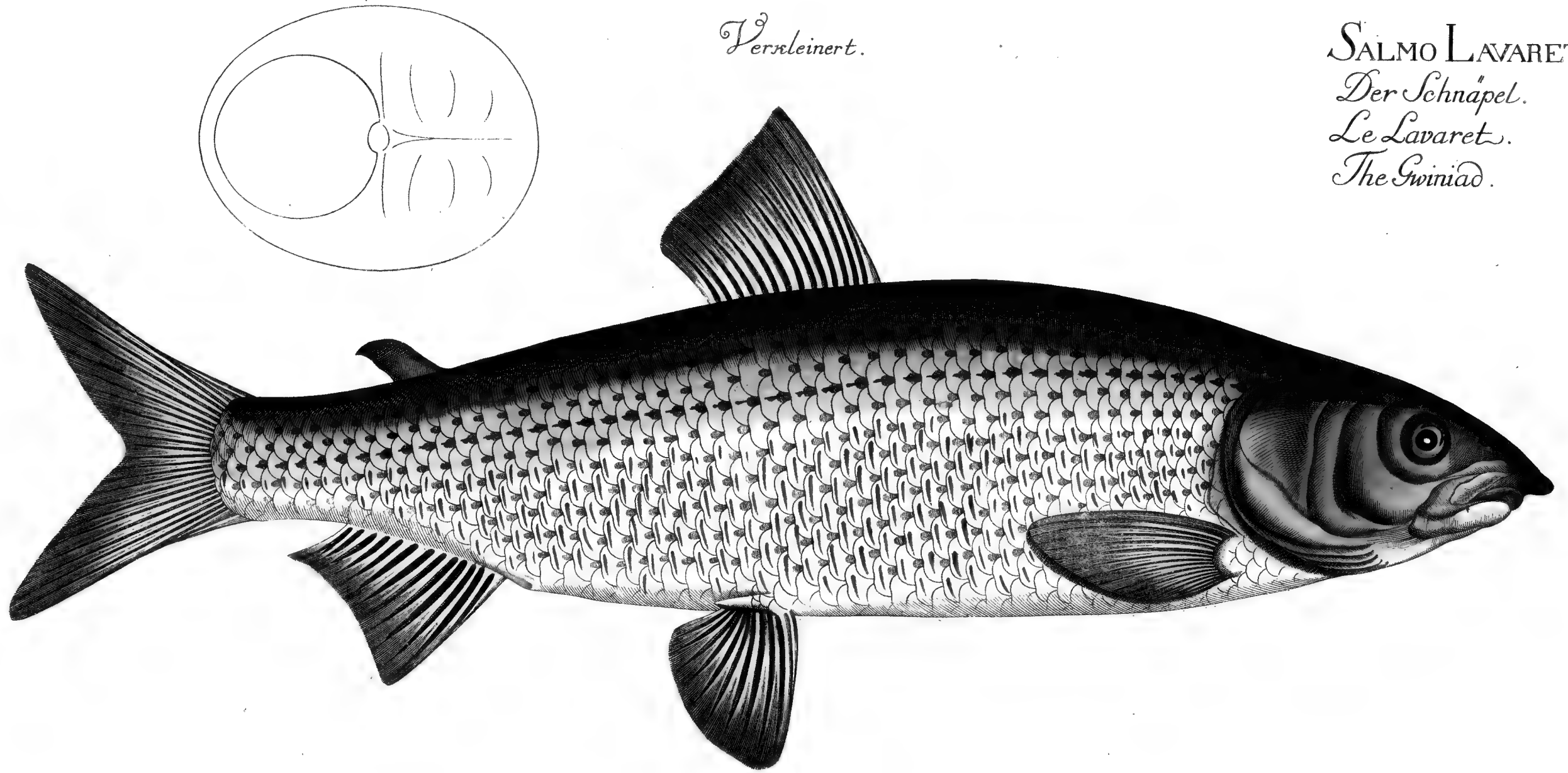
SALMO THYMALLUS.
Die Aesche.
The Grayling.



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Verkleinert.

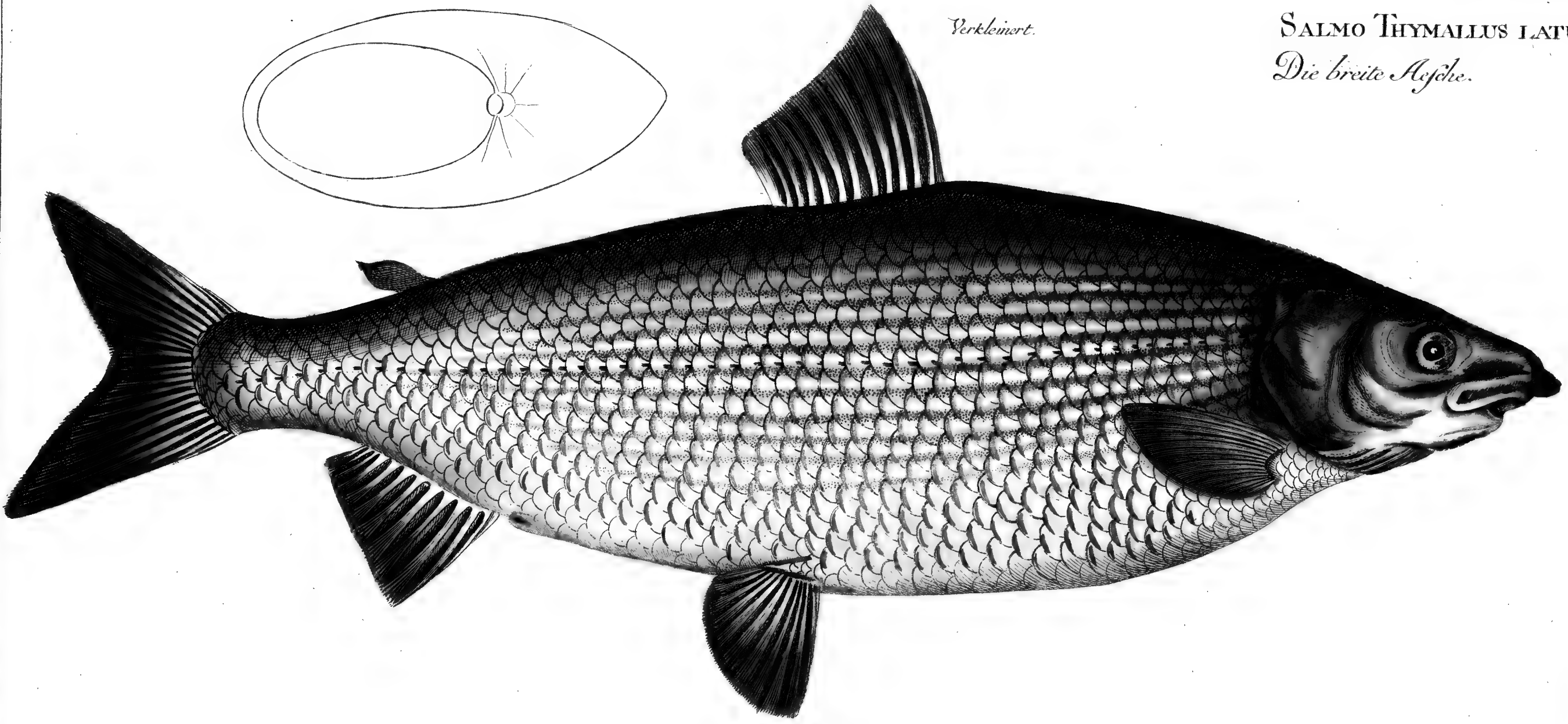
SALMO LAVARETUS.
Der Schnäpel.
Le Lavaret.
The Gwiniaod.



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Verkleinert.

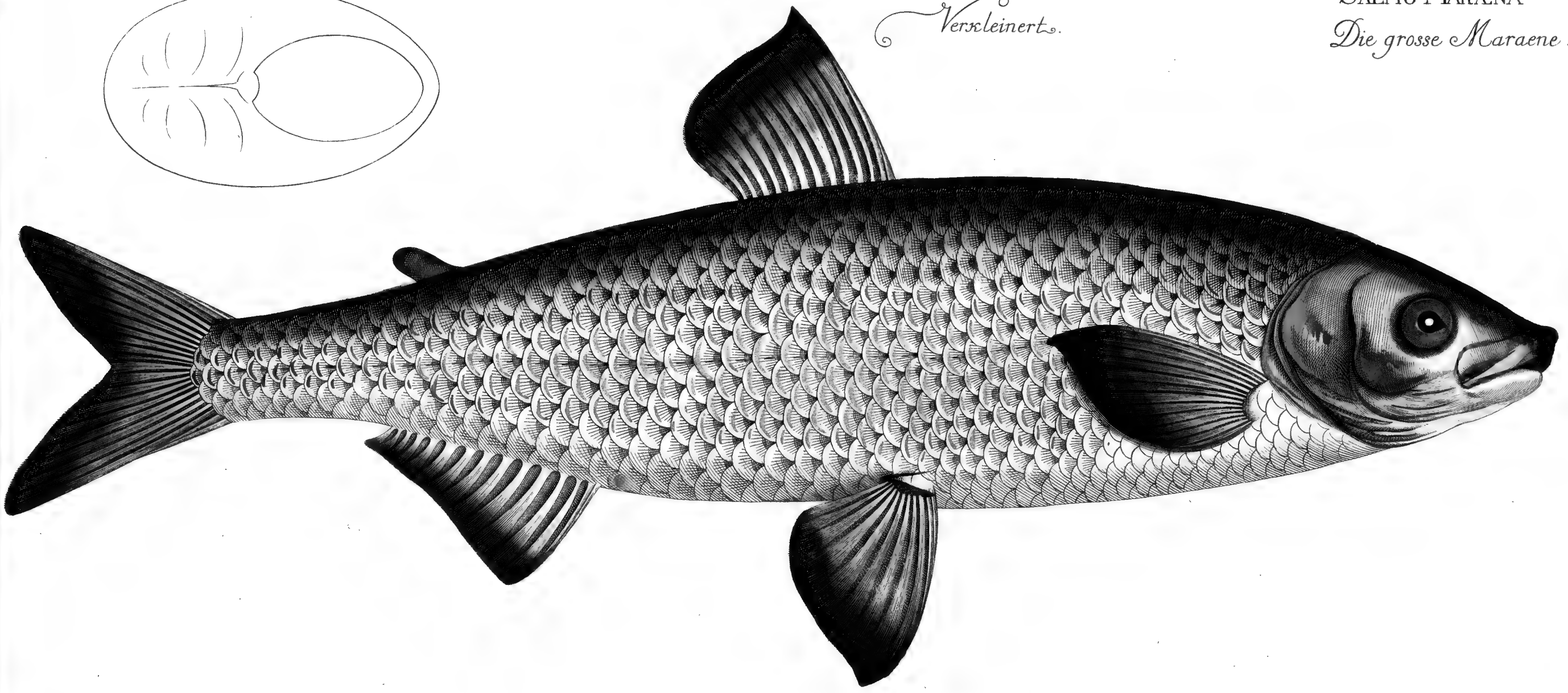
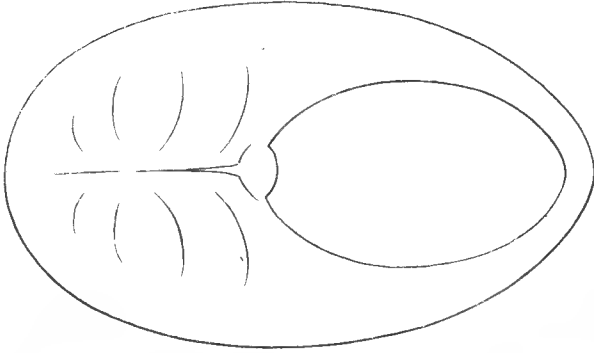
SALMO THYMALLUS LATUS.
Die breite Aefche.



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SALMO MARÆNA
Die grosse Maraene.

Verkleinert.



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Fig. 1.
SALMO EPERLANO-MARINUS.
Der See-Stint.

Fig. 1.

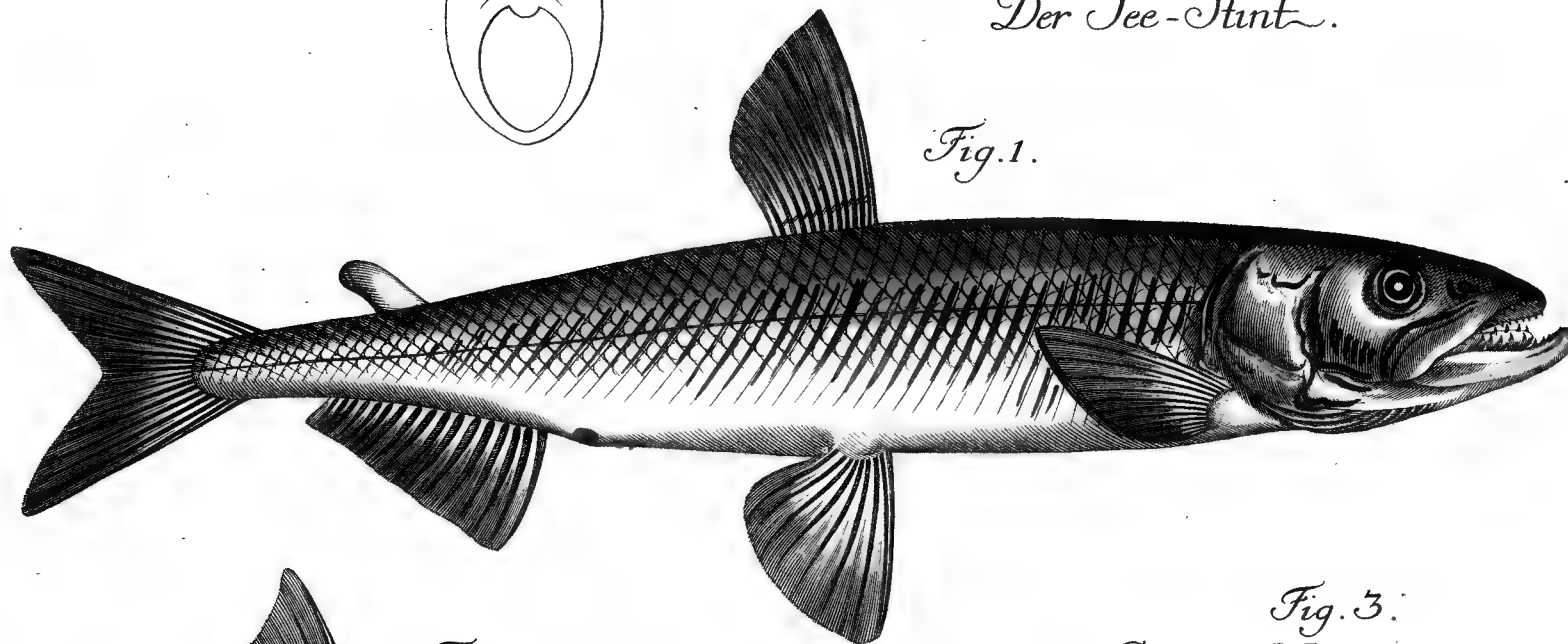
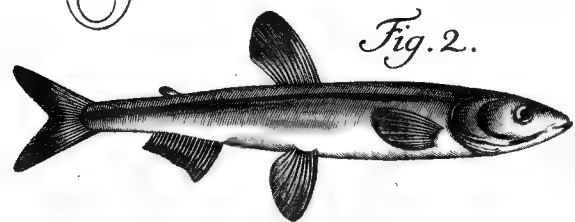


Fig. 2.
SALMO EPERLANUS.
Der Stint.
L'Eperlan.
The Smelt.
Fig. 2.



Natürliche Größen.

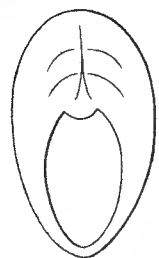
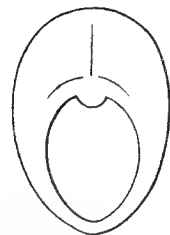
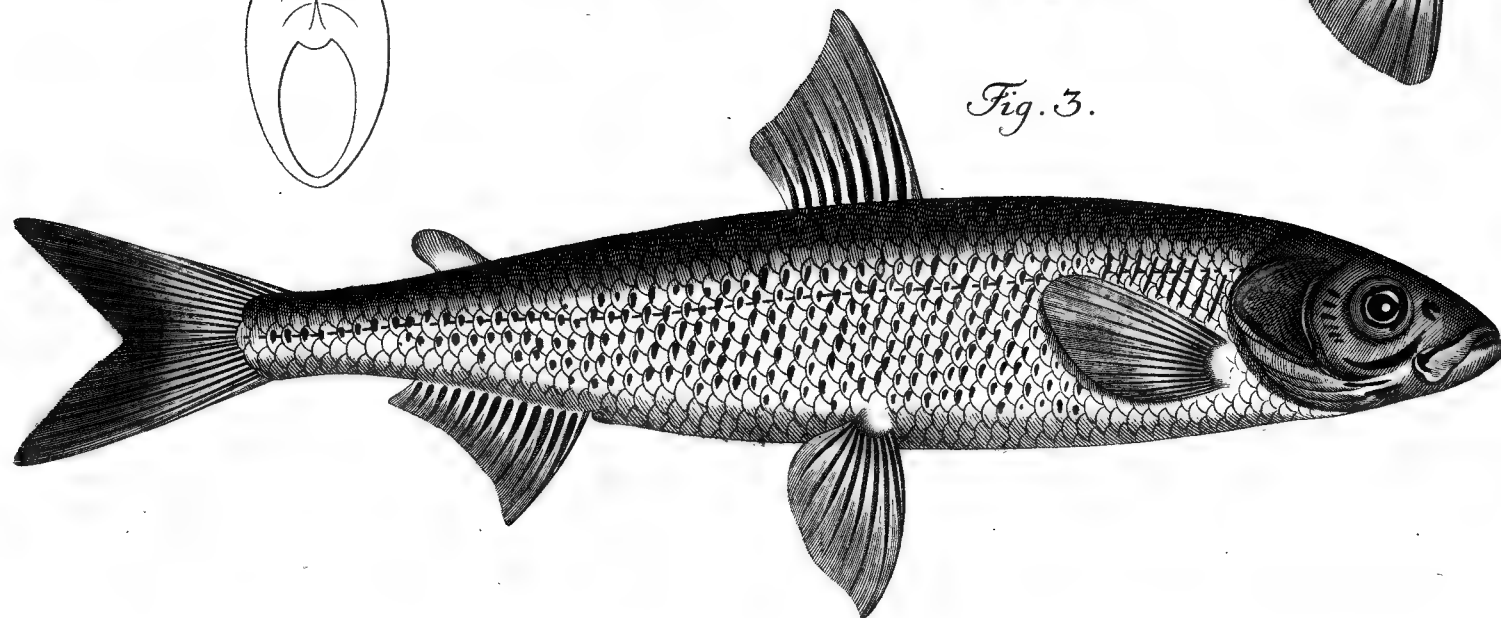


Fig. 3.
SALMO MARÆNULA.
Die kleine Maraene.

Fig. 3.



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Fig:2.
CLUPEA SPRATTUS.
Der Breitling.
The Sprat.

Natürliche Gröſſen.

Fig:1.
CLUPEA HARENGUS.
Der Hering.
Le Hareng.
The Herring.

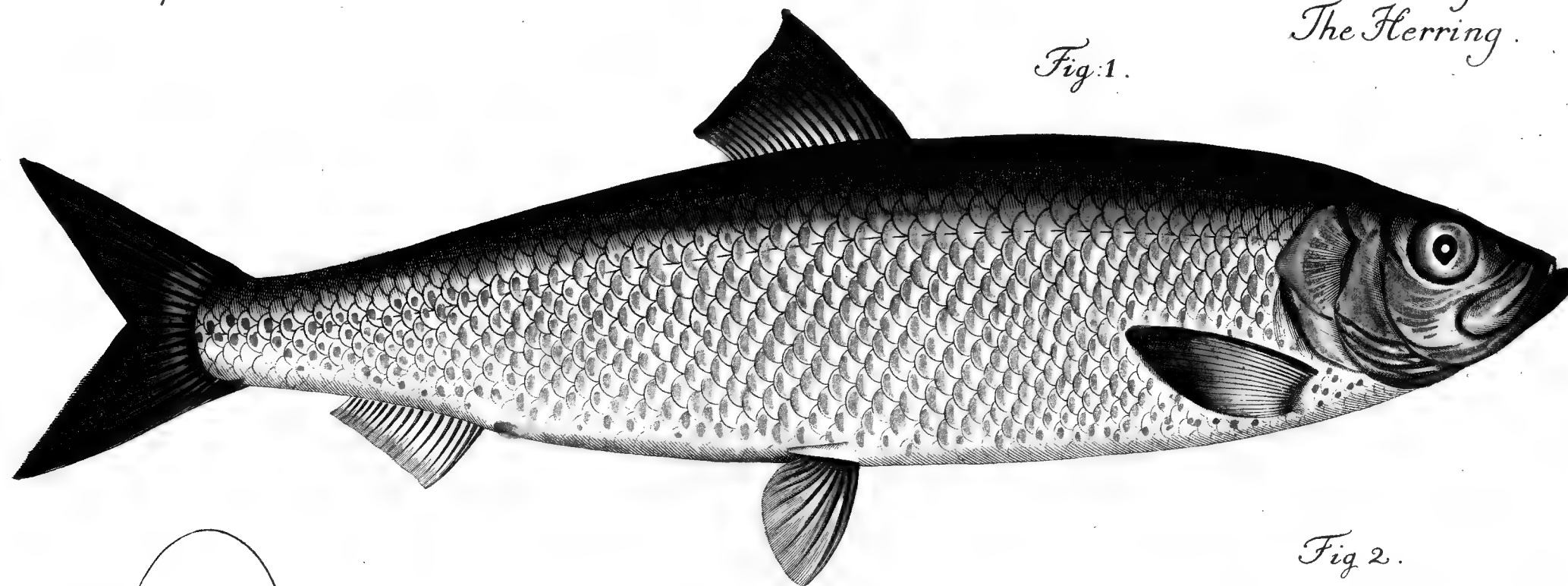


Fig:1.

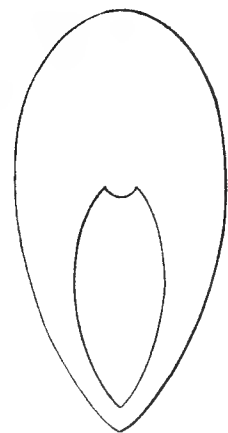
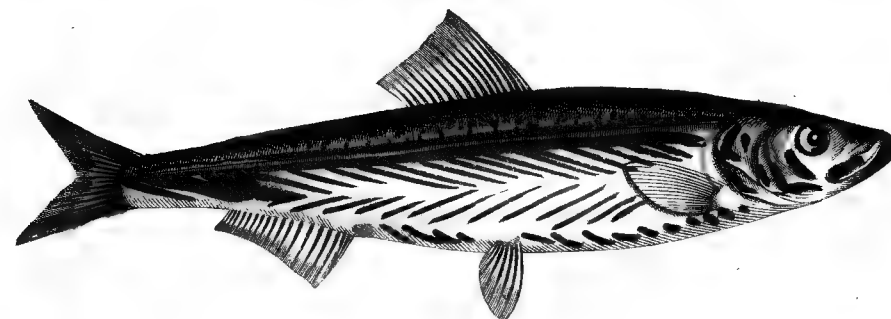


Fig 2.



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Fig:2.

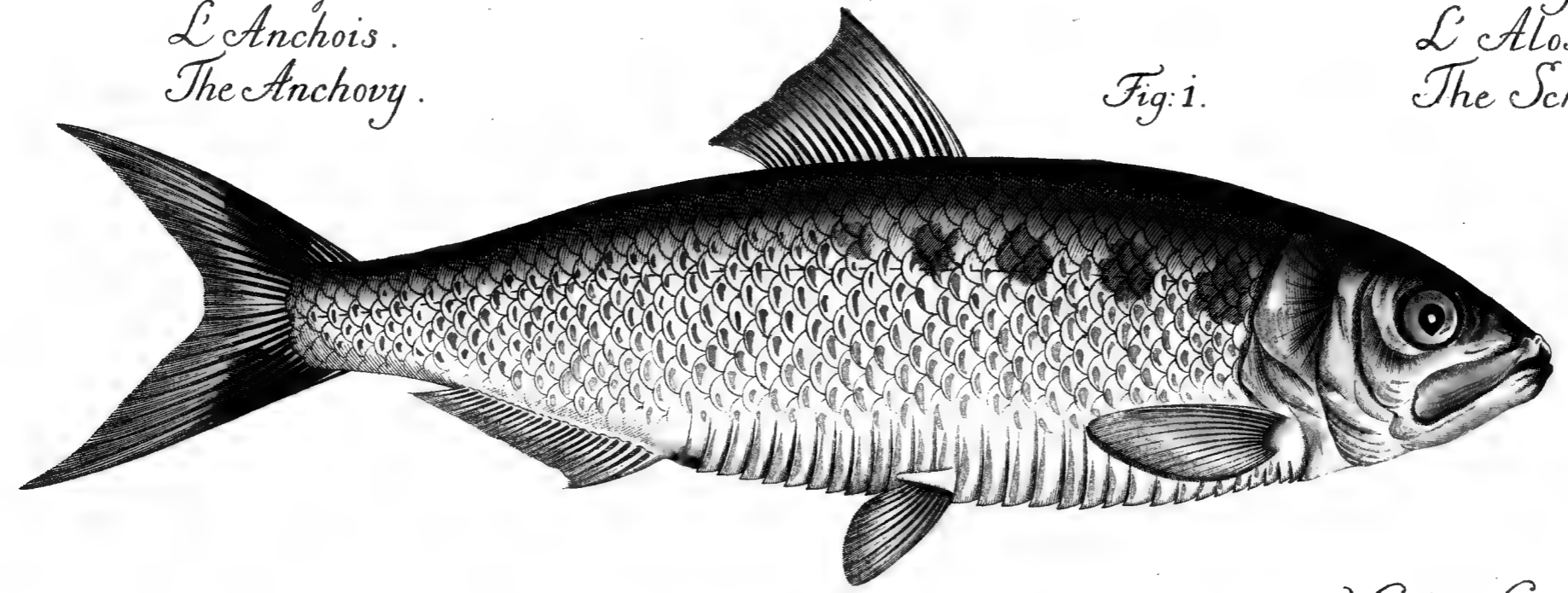
CLUPEA ENCRASICOLUS.
Der Anjovis.
L'Anchois.
The Anchovy.

Versleinert.

Fig:1.

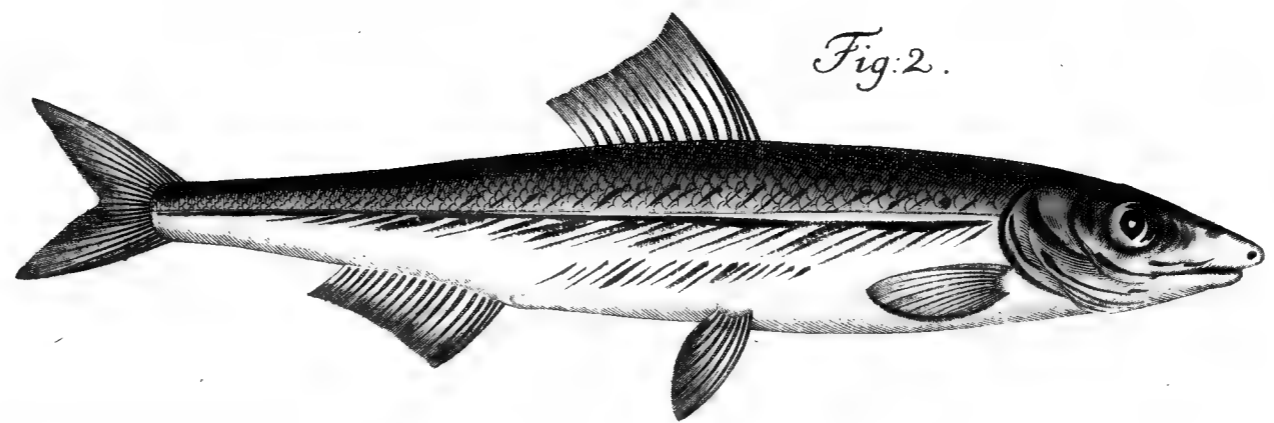
CLUPEA ALOSA.
Die Alje.
L'Alose.
The Schad.

Fig:1.



Natürliche Gröfse.

Fig:2.



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Natürliche Größen.

Fig. 1. COBITIS FOSSILIS.
Der Schlampitzger.

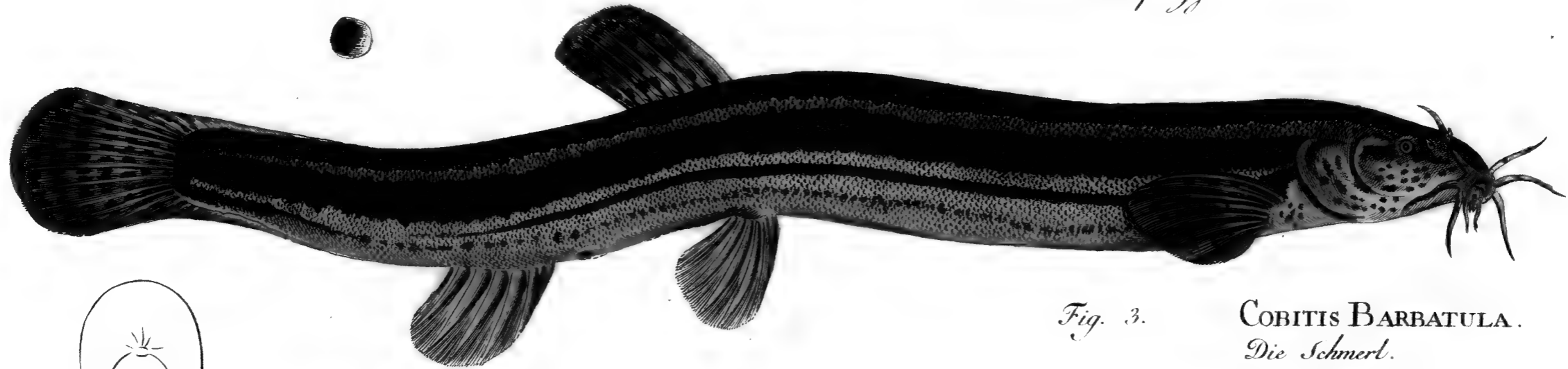


Fig. 2. COBITIS TAENIA.
Der Steinpitzger.

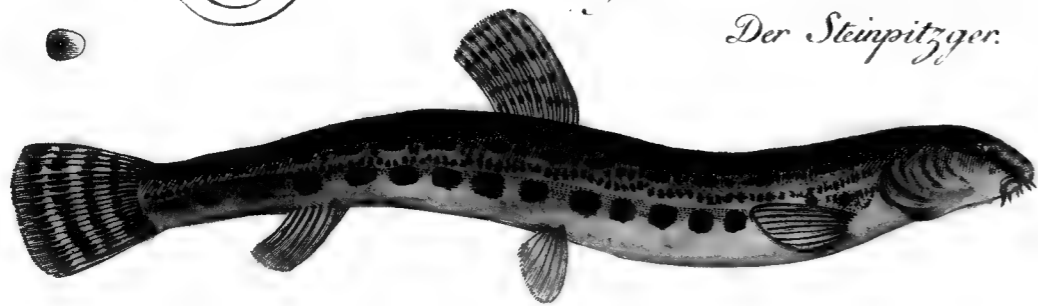
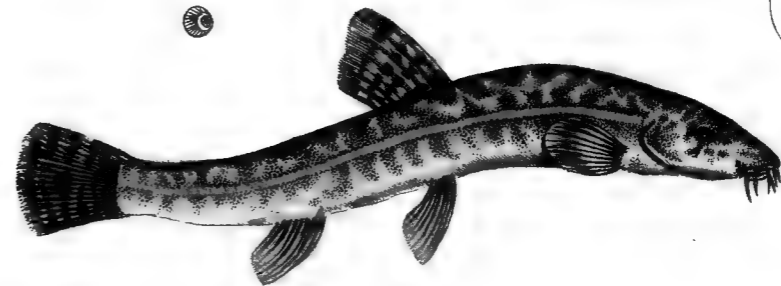


Fig. 3.

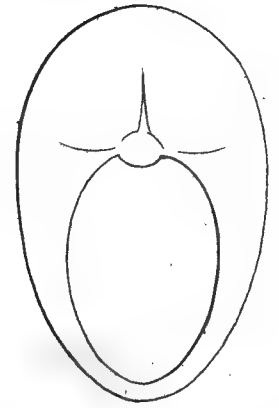
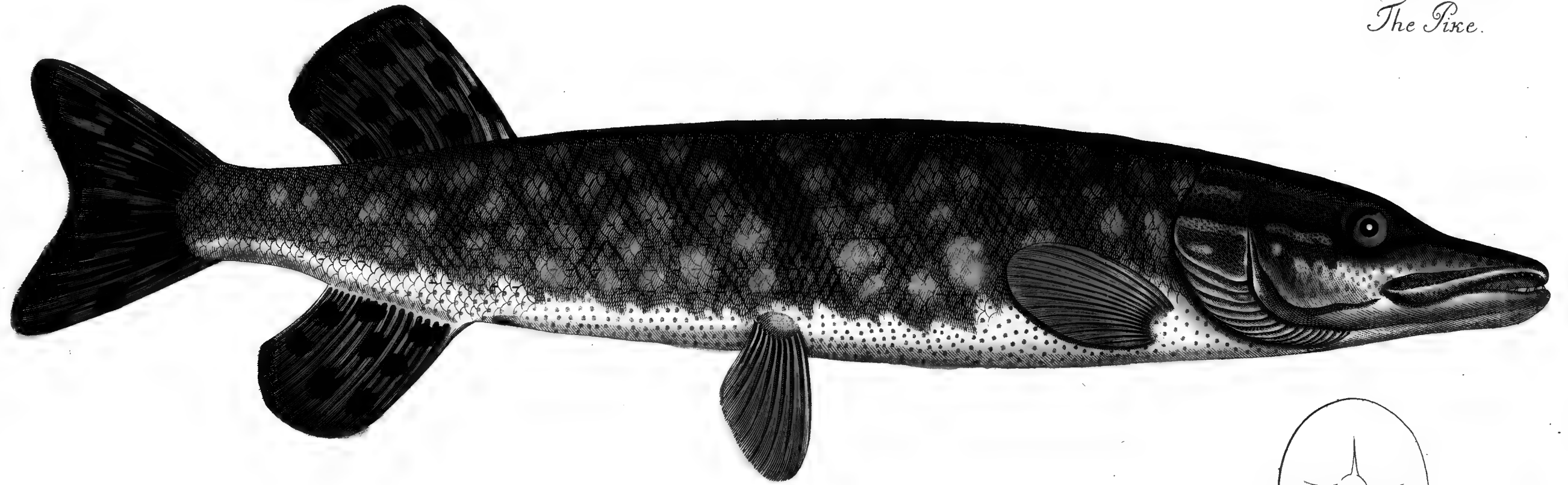
COBITIS BARBATULA.
Die Schmerl.
La Loche.
The Bearded.



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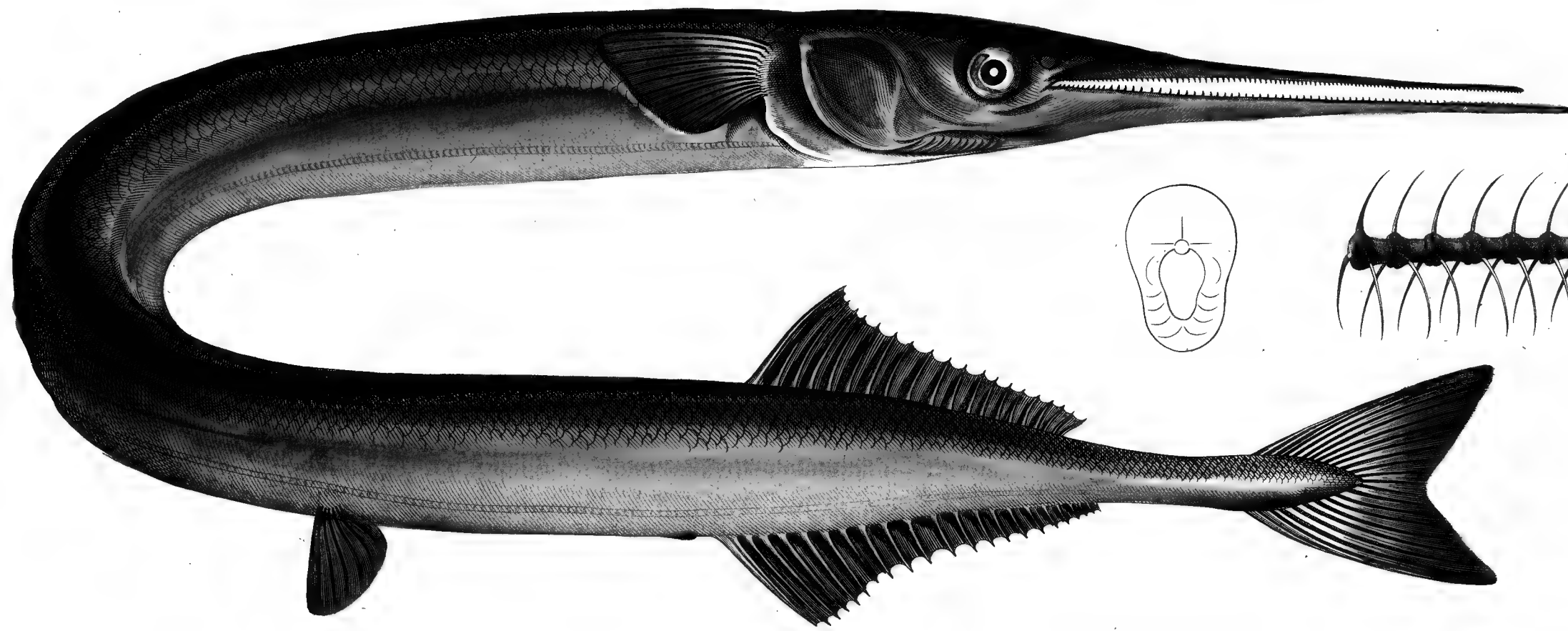
ESOX LUCIO.
Der Hecht.
Le Brochet.
The Pike.



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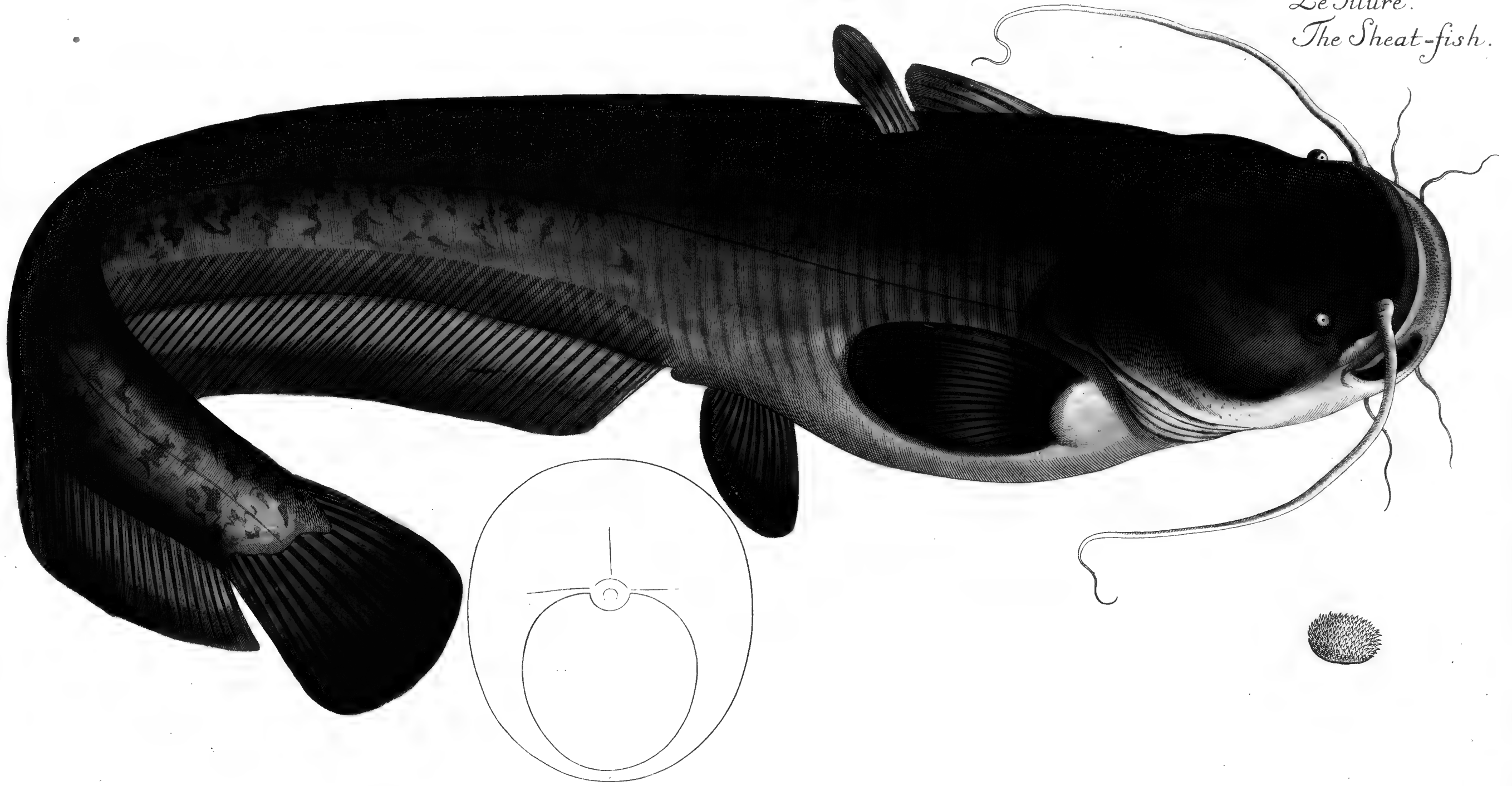
E. SOX BELONE
Der Hornhecht.
L'Orphie.
The Gar.



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SILURUS GLANIS.
Der Wels.
Le Silure.
The Sheat-fish.

Verrleinert.



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Fig. 1. SILURUS CLARIAS.
Der Langbart.

Fig. 3. SILURUS ASCITA.
Der Platzbauch.

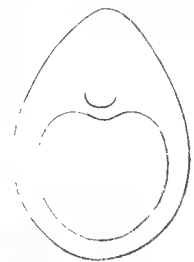


Fig. 1.

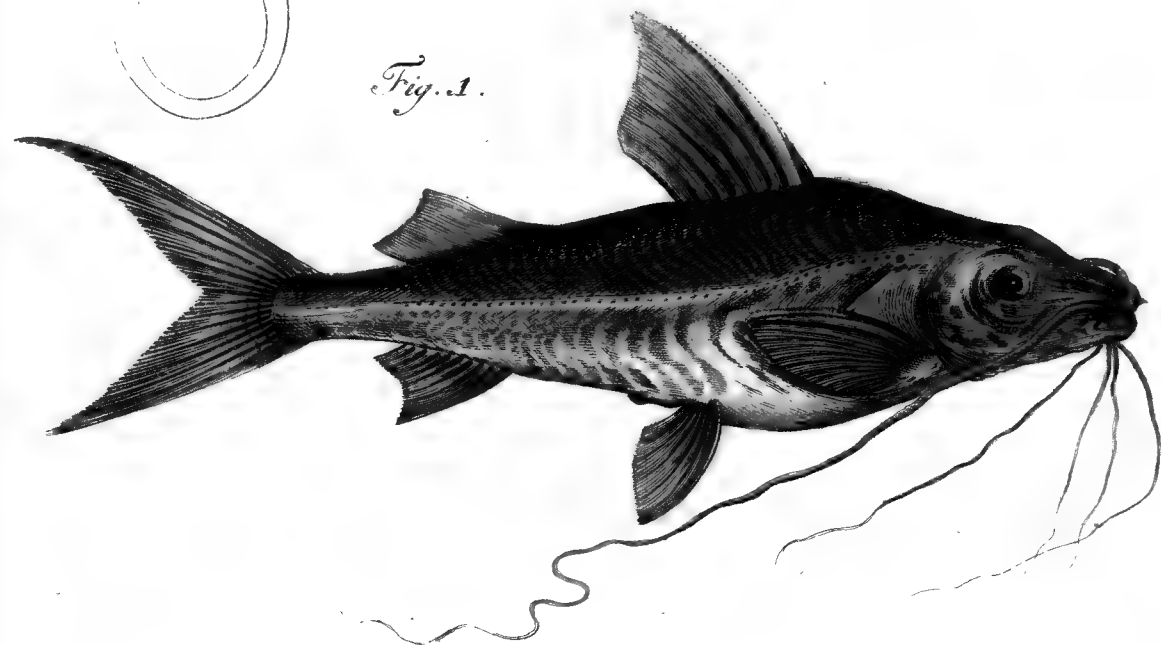


Fig. 2.

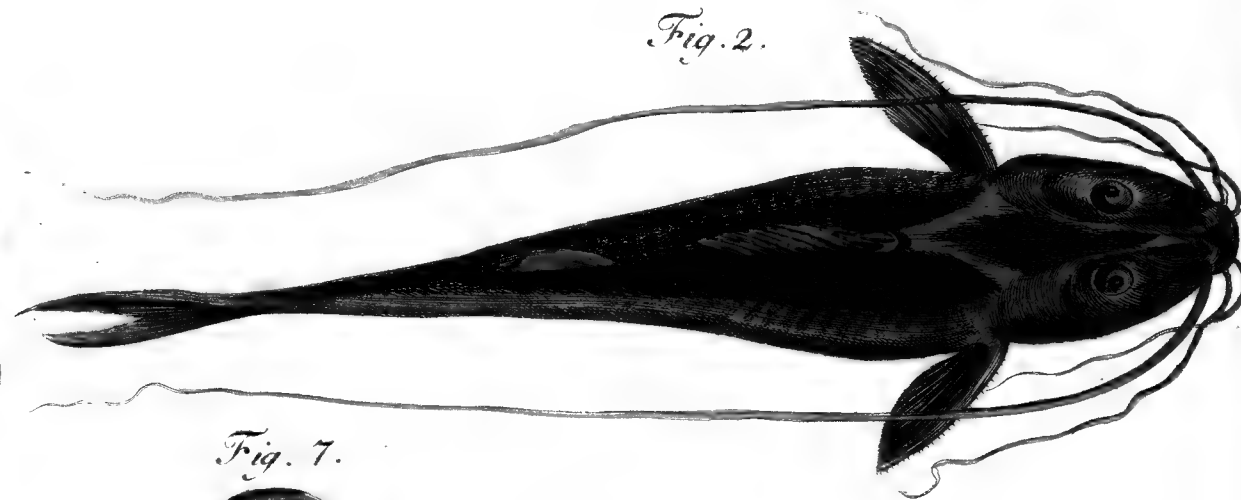


Fig. 7.



Fig. 6.

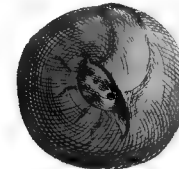


Fig. 5.

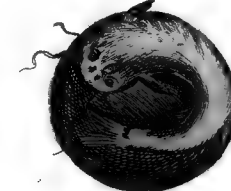


Fig. 3.



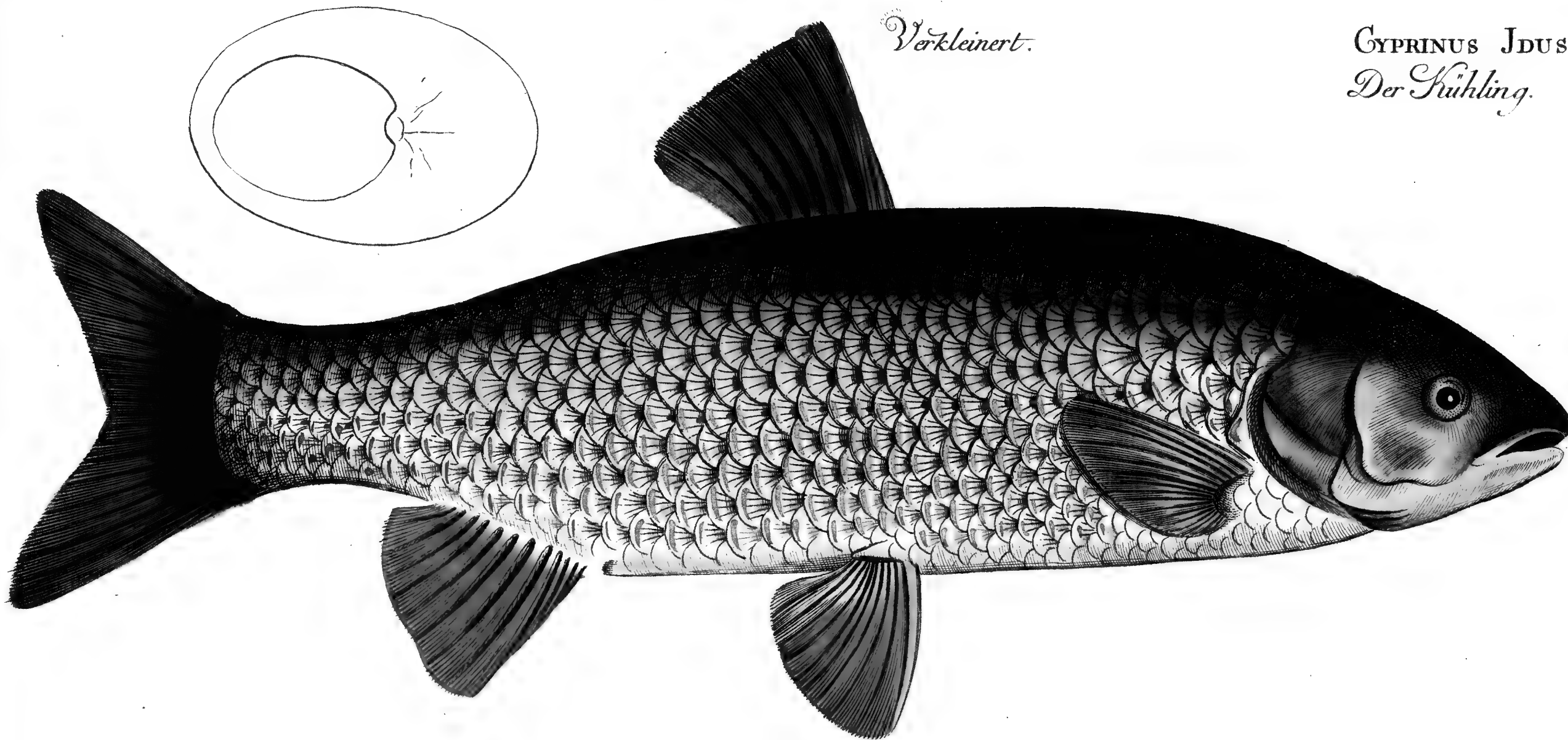
Fig. 4.



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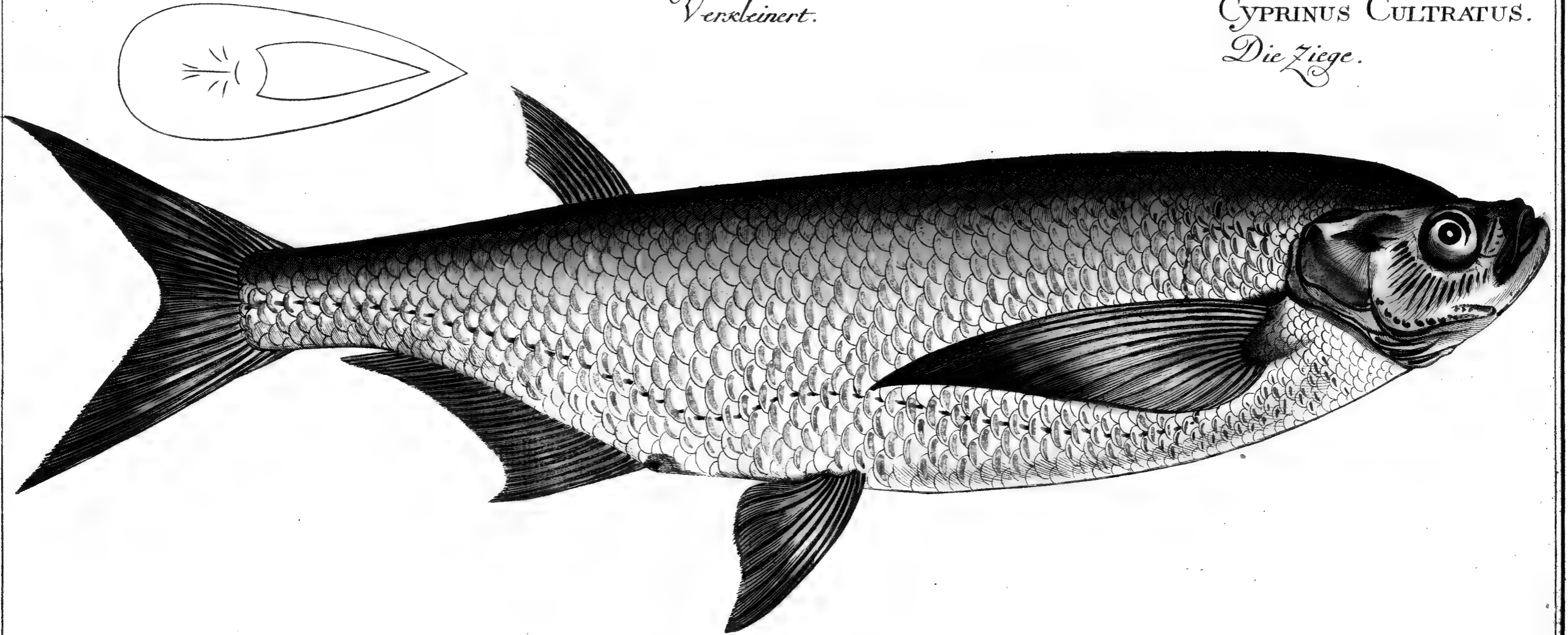
CYPRINUS JDUS.
Der K uhling.



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CYPRINUS CULTRATUS.
Die Ziege.

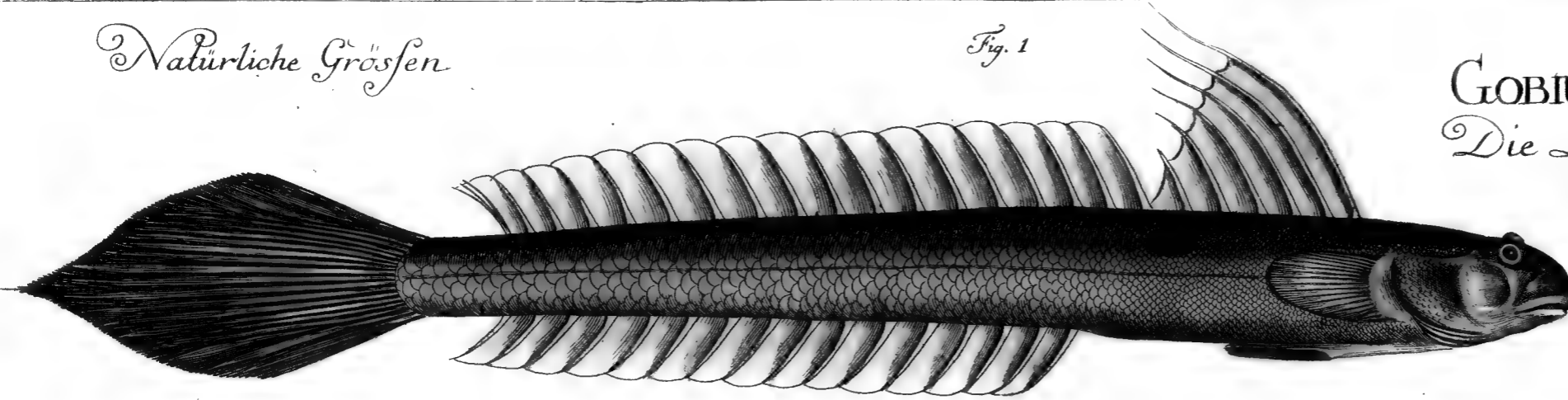


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Natürliche Gröſſen

Fig. 1

GOBIUS LANCEOLATUS.
Die Lanzettgrundel.



GOBIUS NIGER.
Die Meergrundel.
Le Boulengerot.
The Black-Goby.

Fig. 2.

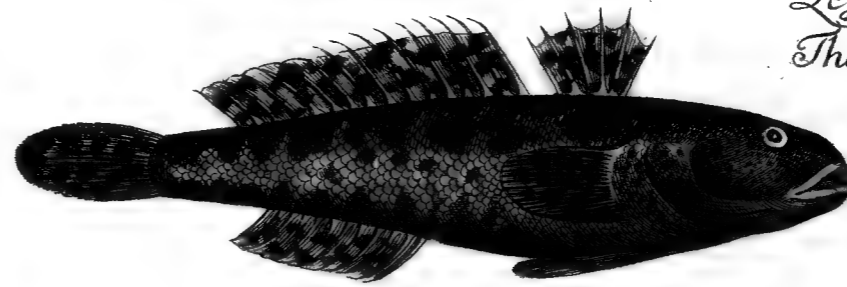


Fig. 3.



Fig. 4.

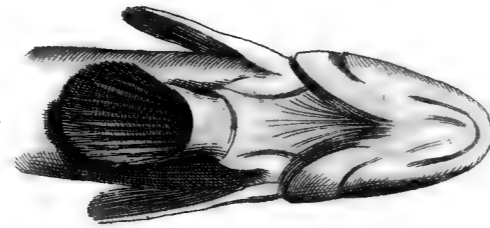


Fig. 5.

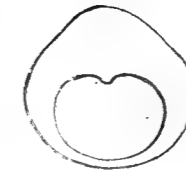
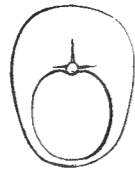


Fig. 6.



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COTTUS CATAPHRACTUS.
Der Steinpicker.
The Armed Bullhead.

Fig. 3.

Natürliche Gröſſen.

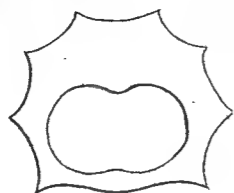
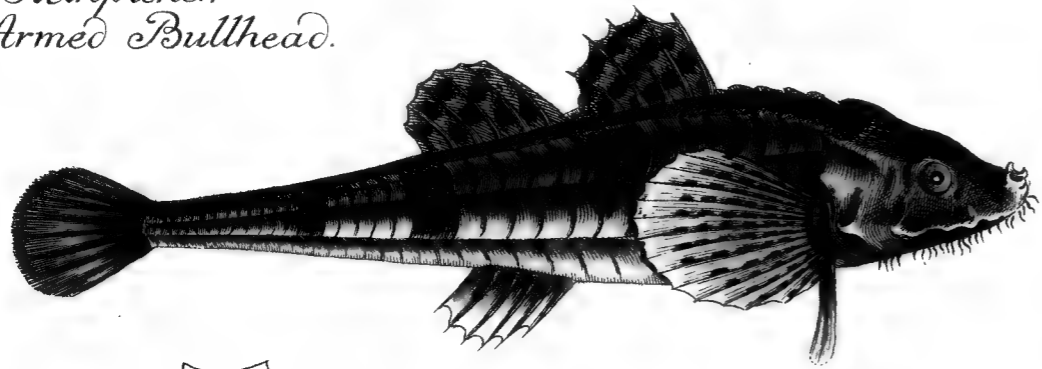
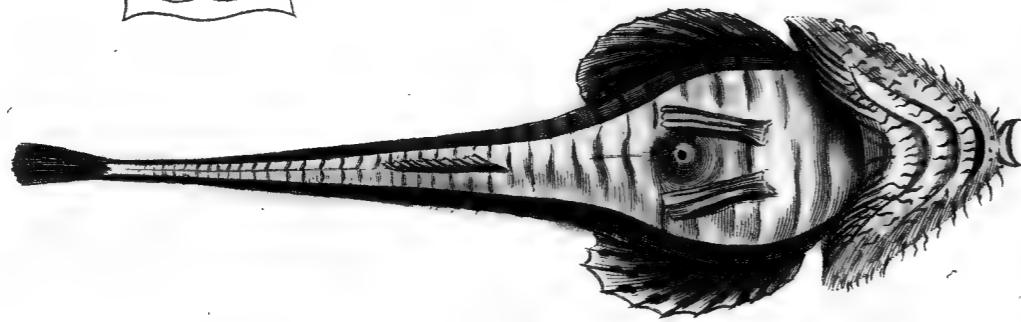


Fig. 4.



COTTUS GOBIO.
Der Kaulkopf.
Le Chabot.
The River Bullhead.

Fig. 1.

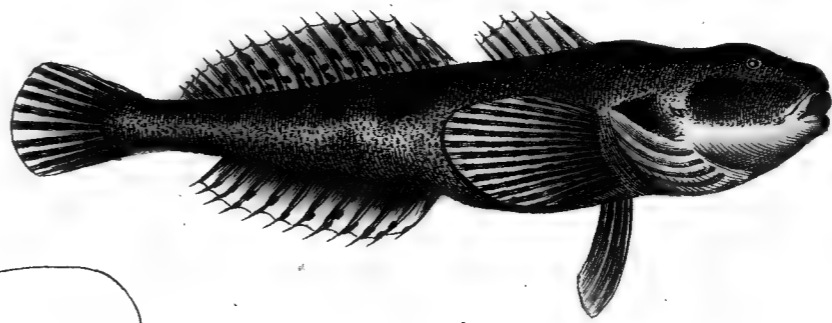
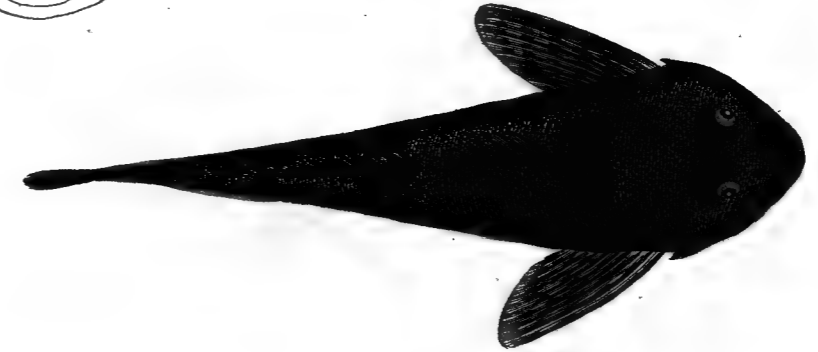


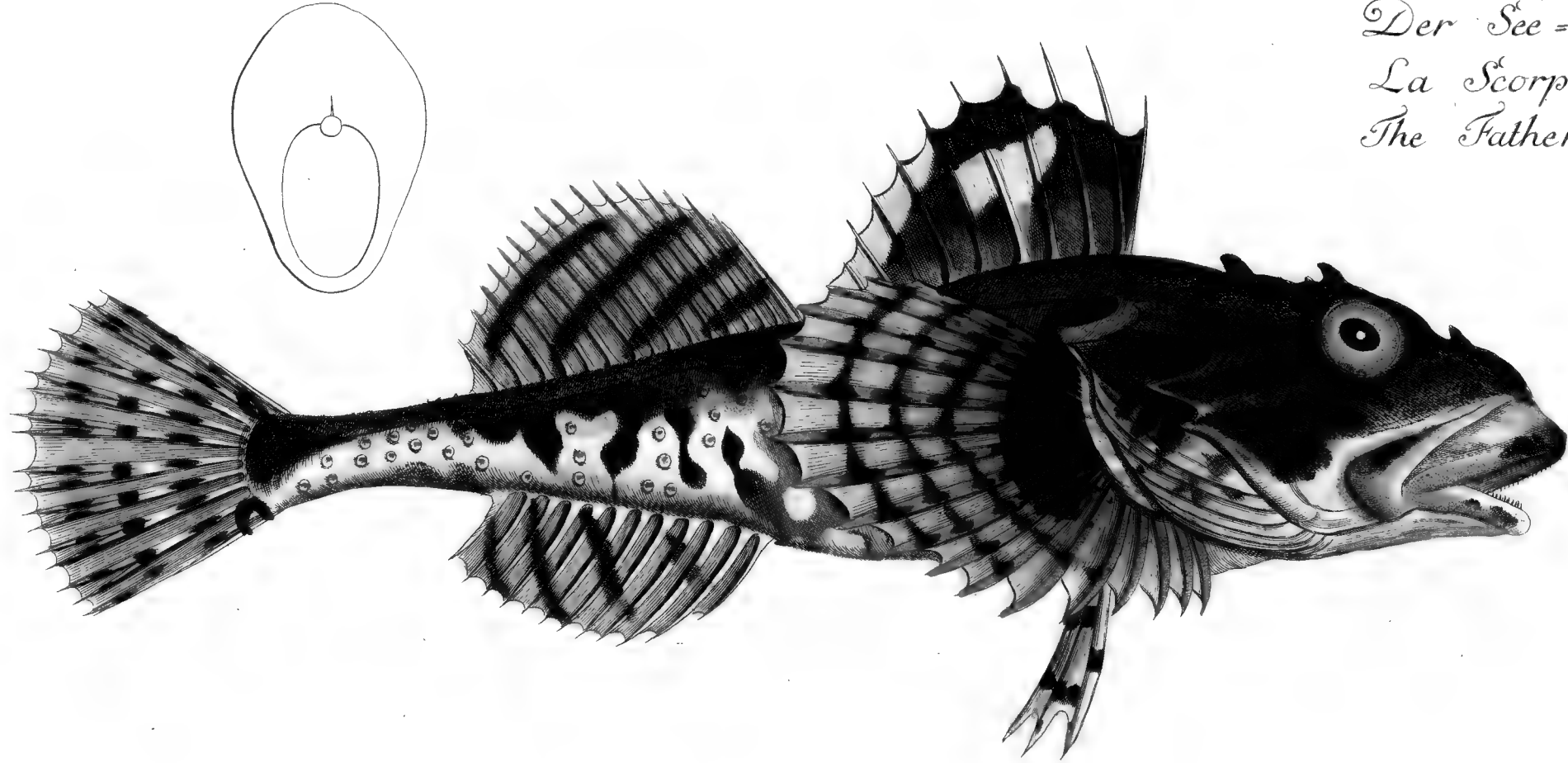
Fig. 2.



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Natürliche Größe.

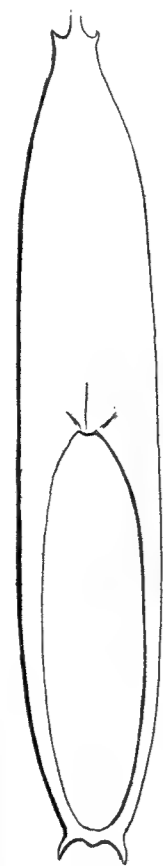
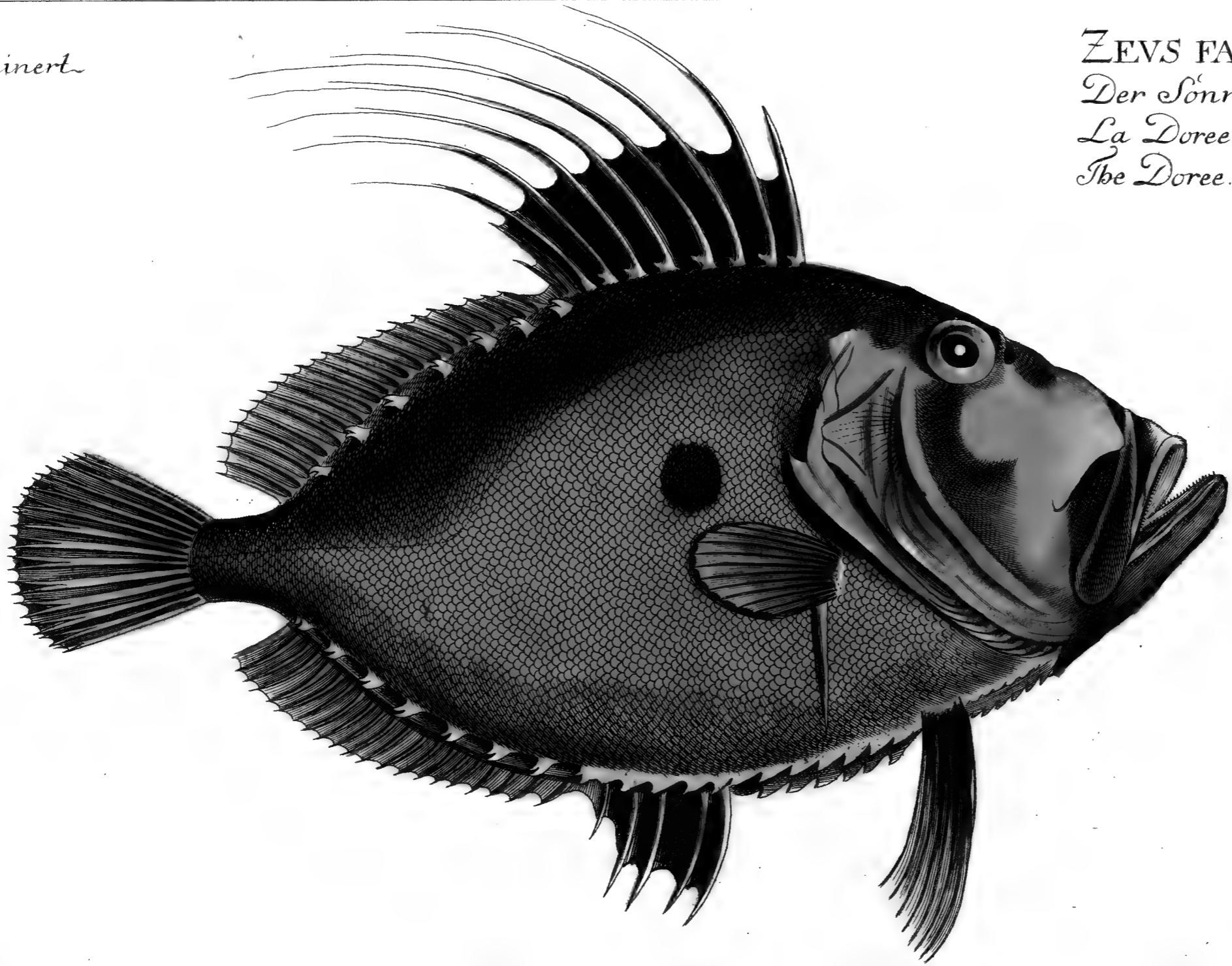
COTTUS SCORPIUS.
Der See-Scorpion.
La Scorpene.
The Father Lascher.



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Verkleinert

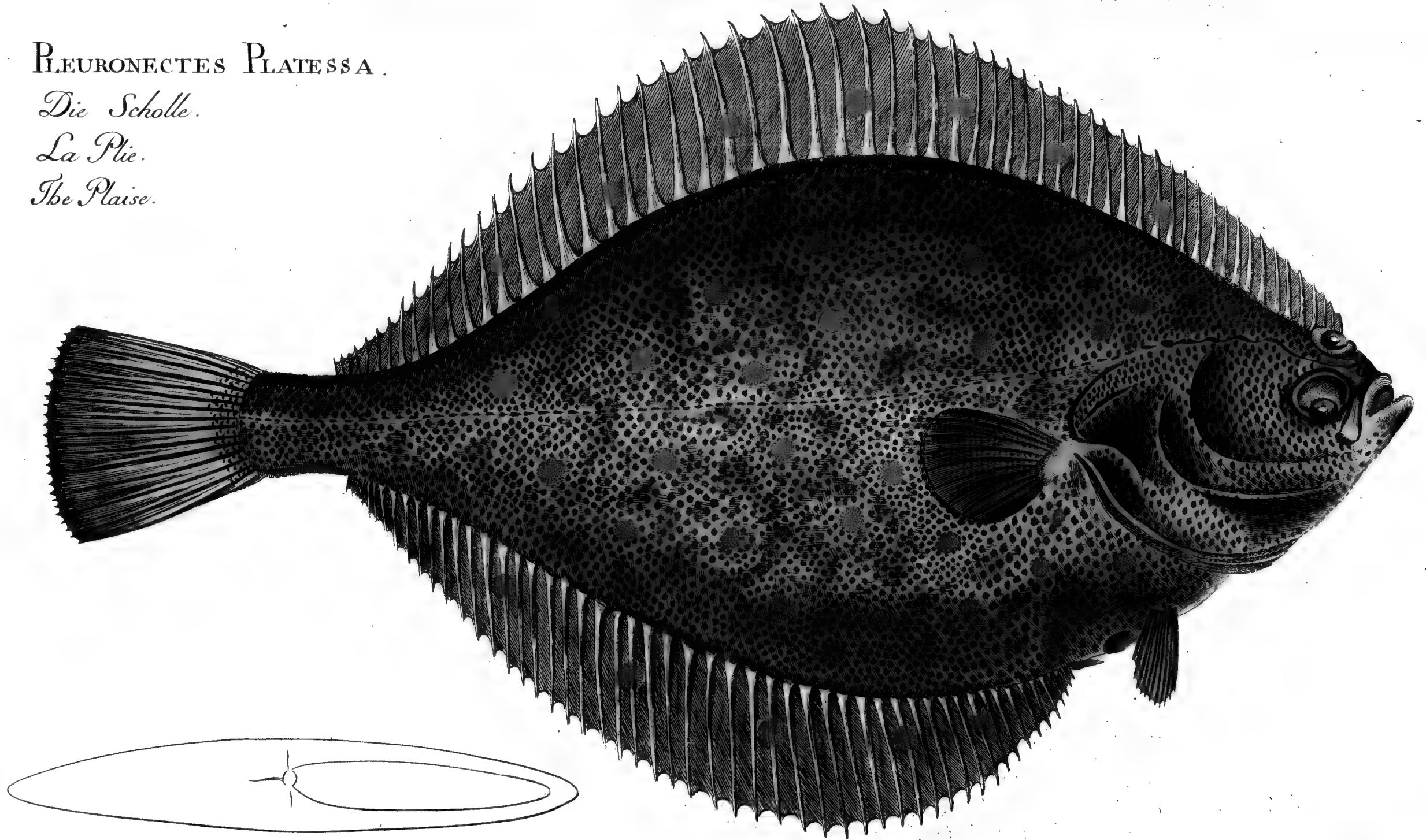
ZEVS FABER.
Der Sonnensisch.
La Doree.
Ibe Doree.



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PLEURONECTES PLATESSA.

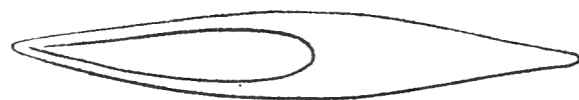
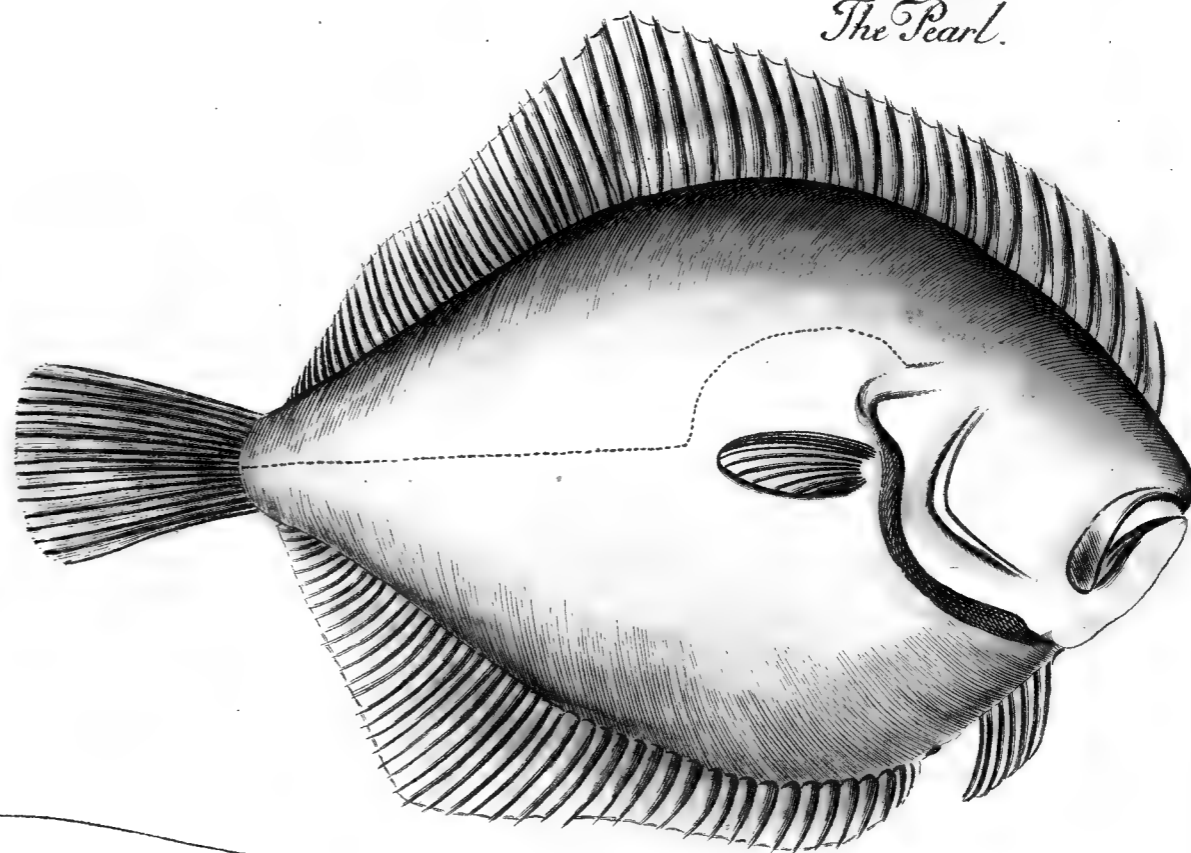
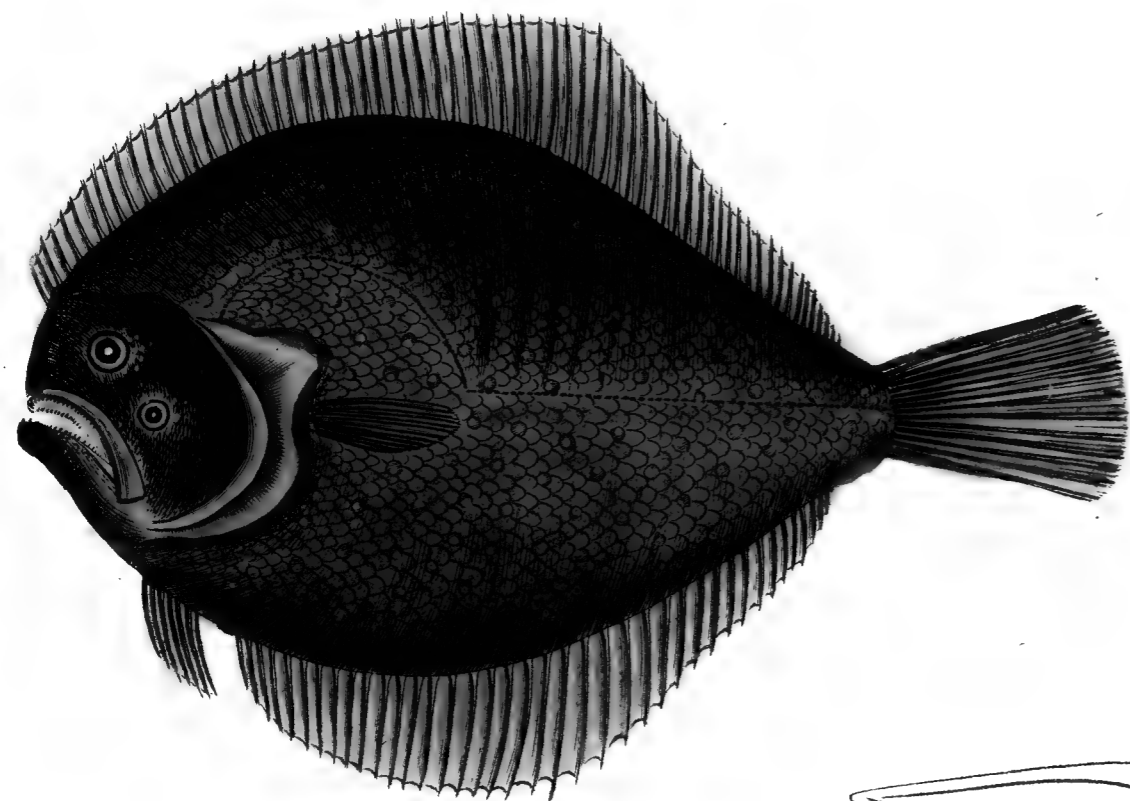
Die Scholle.
La Plie.
Ibe Plaise.



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Natürliche Grösse

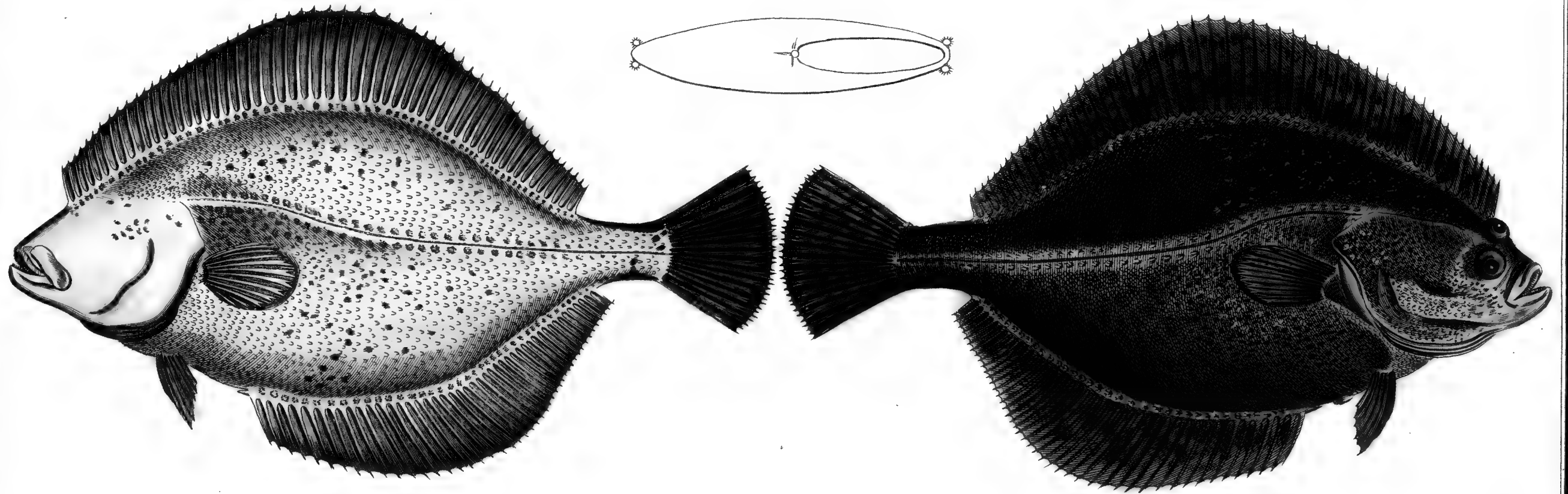
REURONECTES RHOMBUS.
Das Viereck.
La Barbue.
The Pearl.



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PLEURONECTES FLEBUS.
Der Theerbut od. Flunder.
Le Flez.
The Flounder.

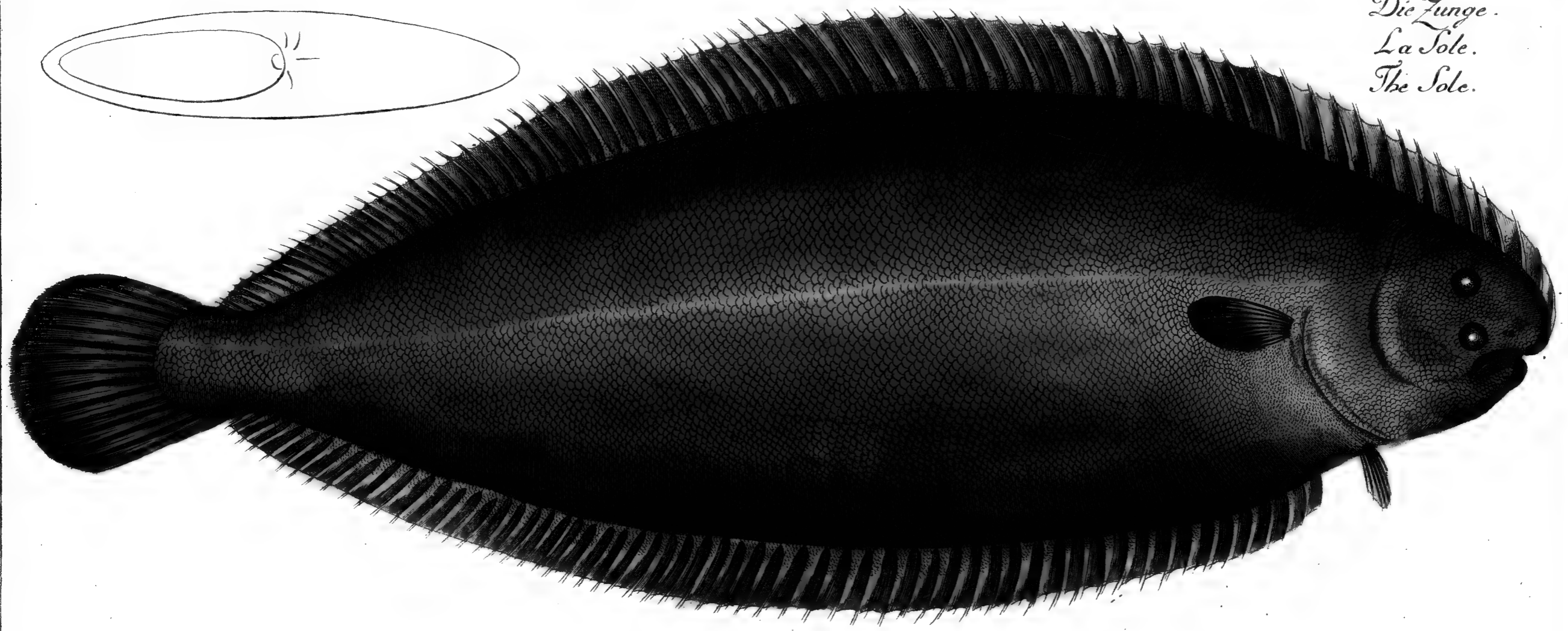
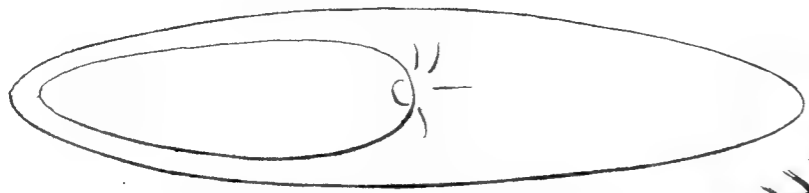


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PLERONECTES SOLEA.

Die Zunge.
La Sole.
The Sole.



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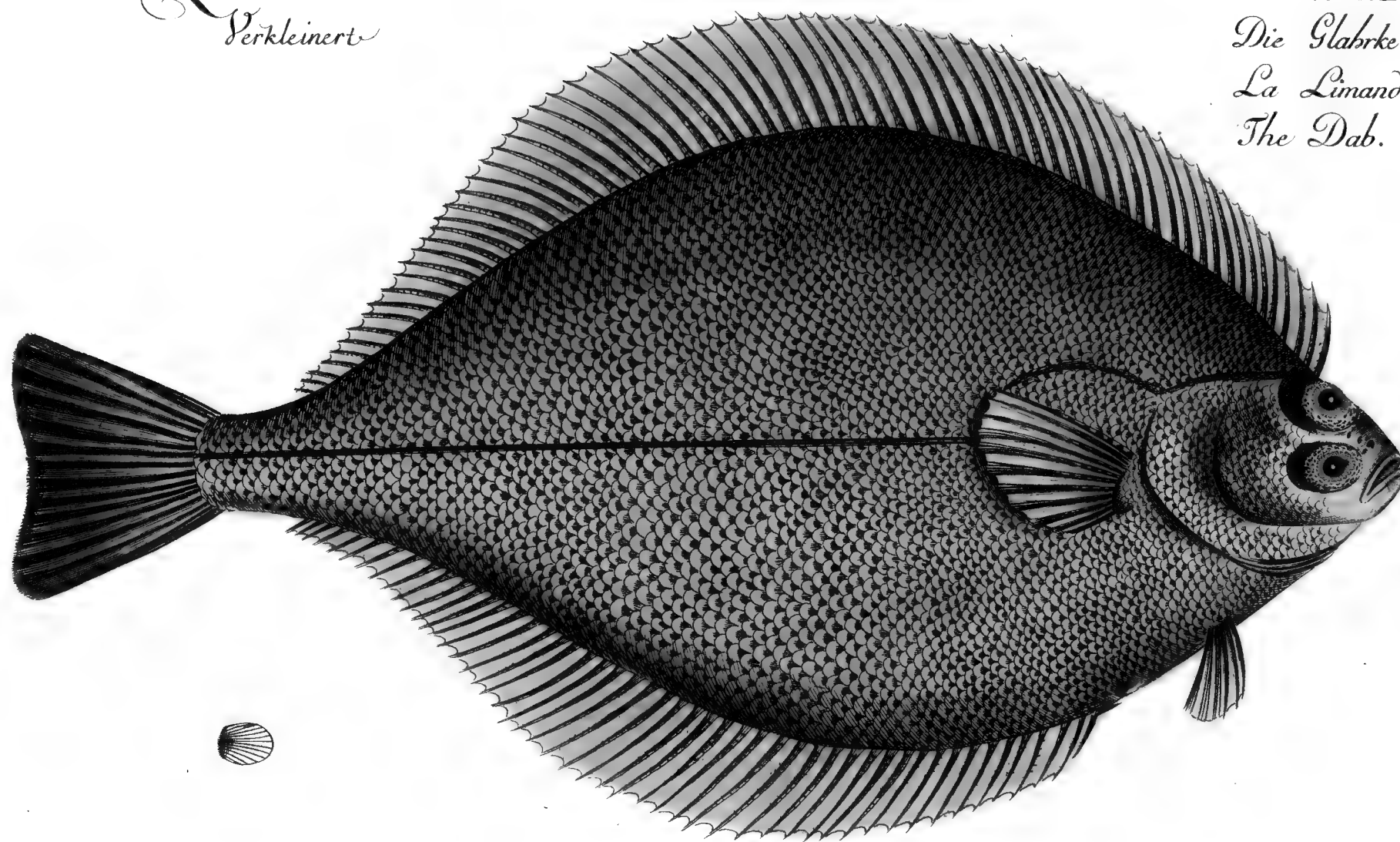
PLEURONECTES LIMANDA.

Die Glabrke od. Kliesche.

La Limande.

The Dab.

Verkleinert



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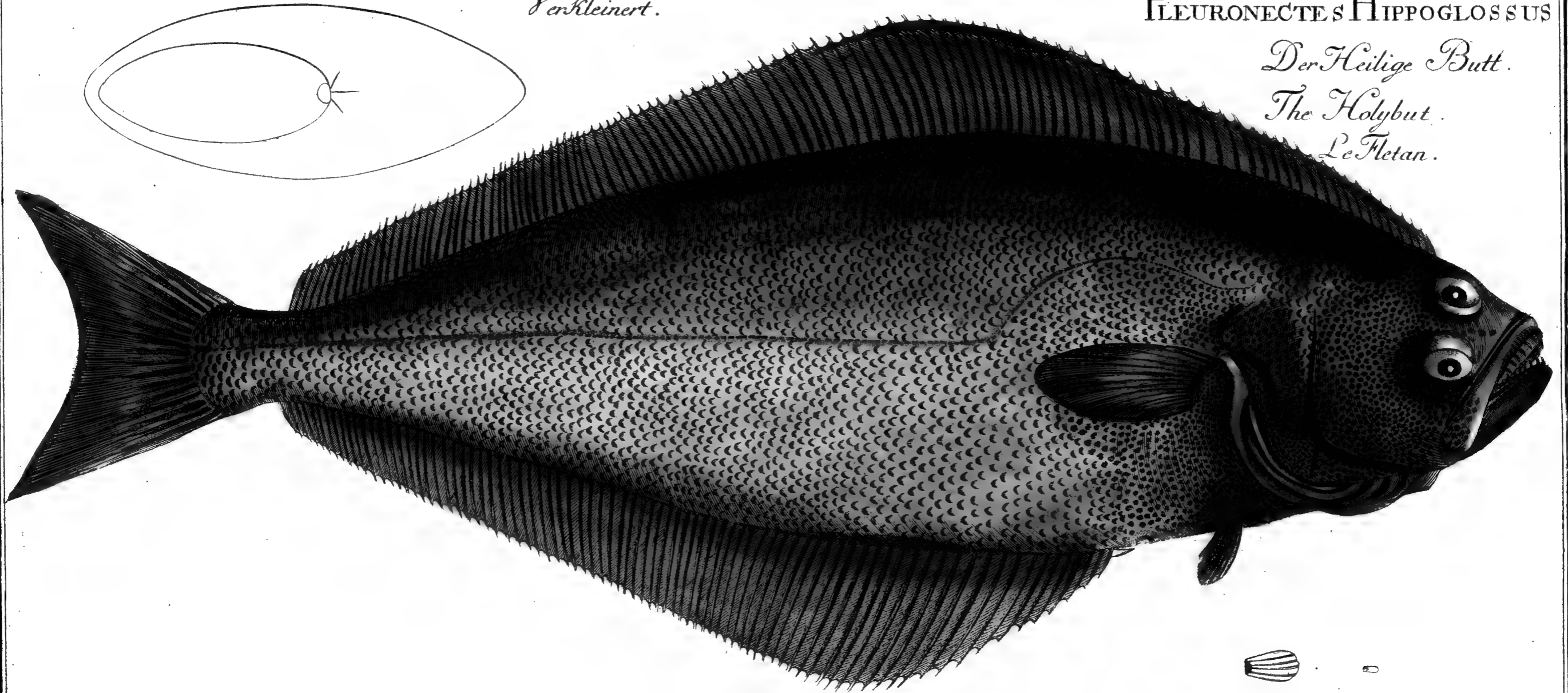
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PLEURONECTES HIPPOGLOSSUS

Der Heilige Butt.

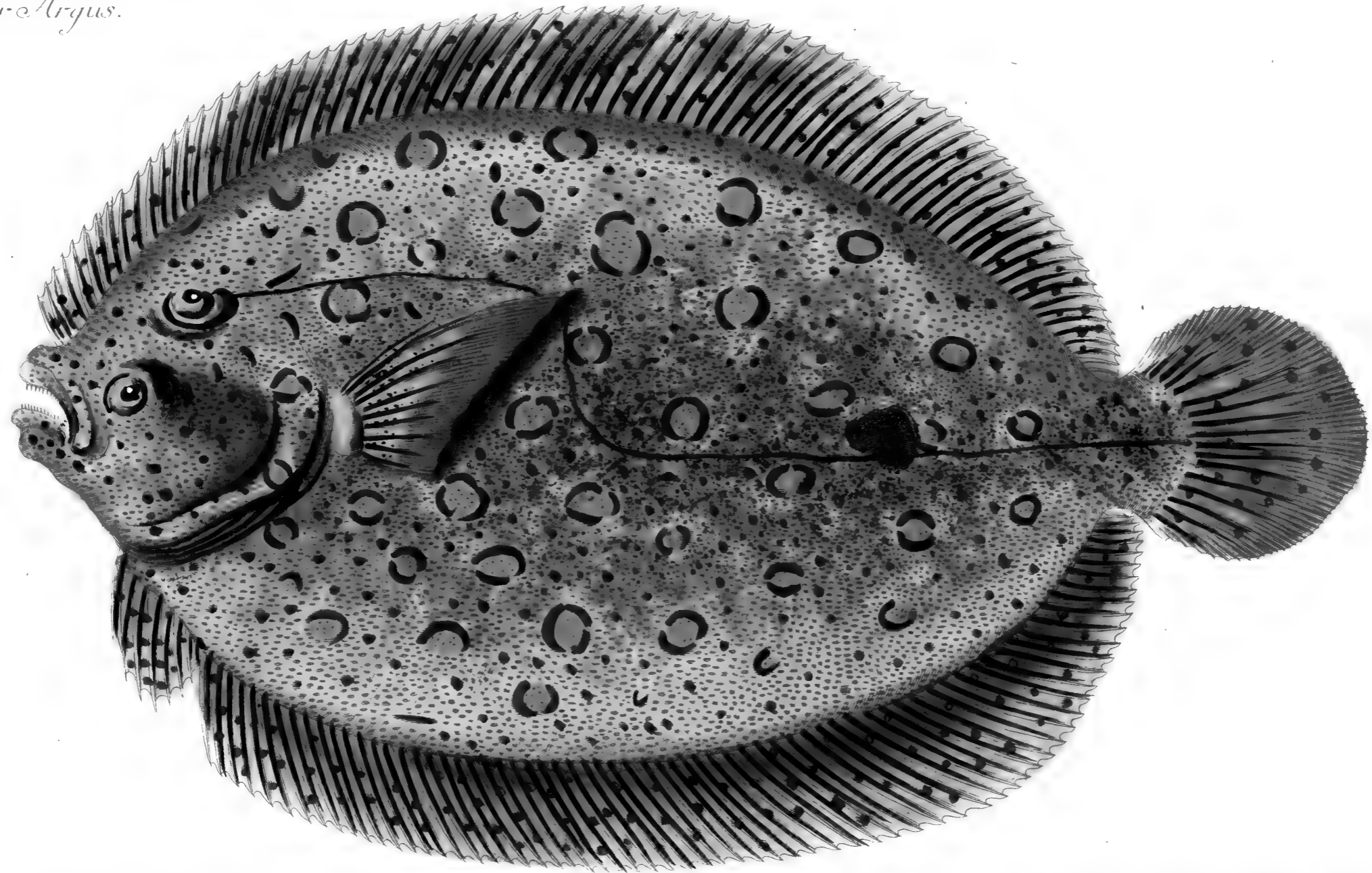
The Holybut.

Le Metan.



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PLEURONECTES ARGUS.
Der Argus.



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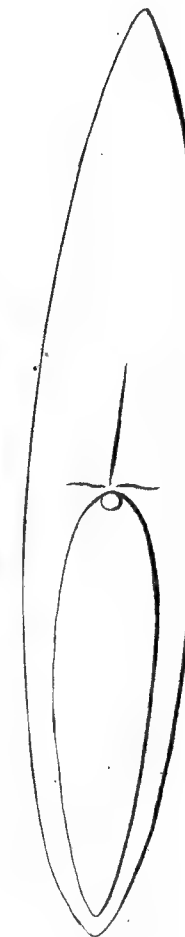
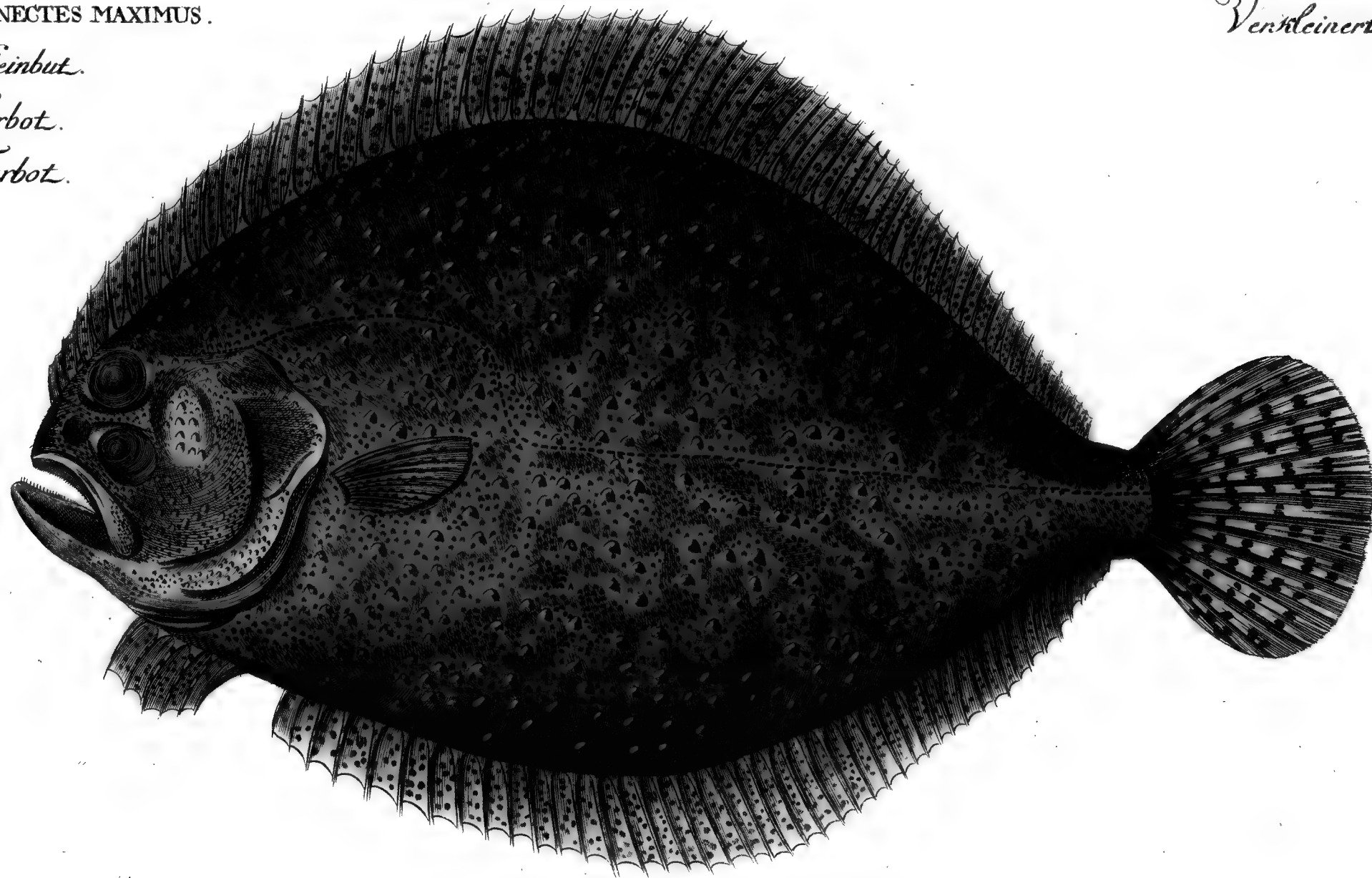
PLEURONECTES MAXIMUS.

Der Steinbut.

Le Turbot.

The Turbot.

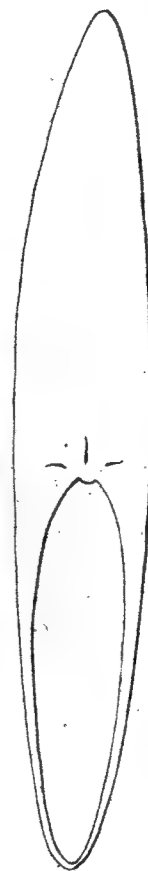
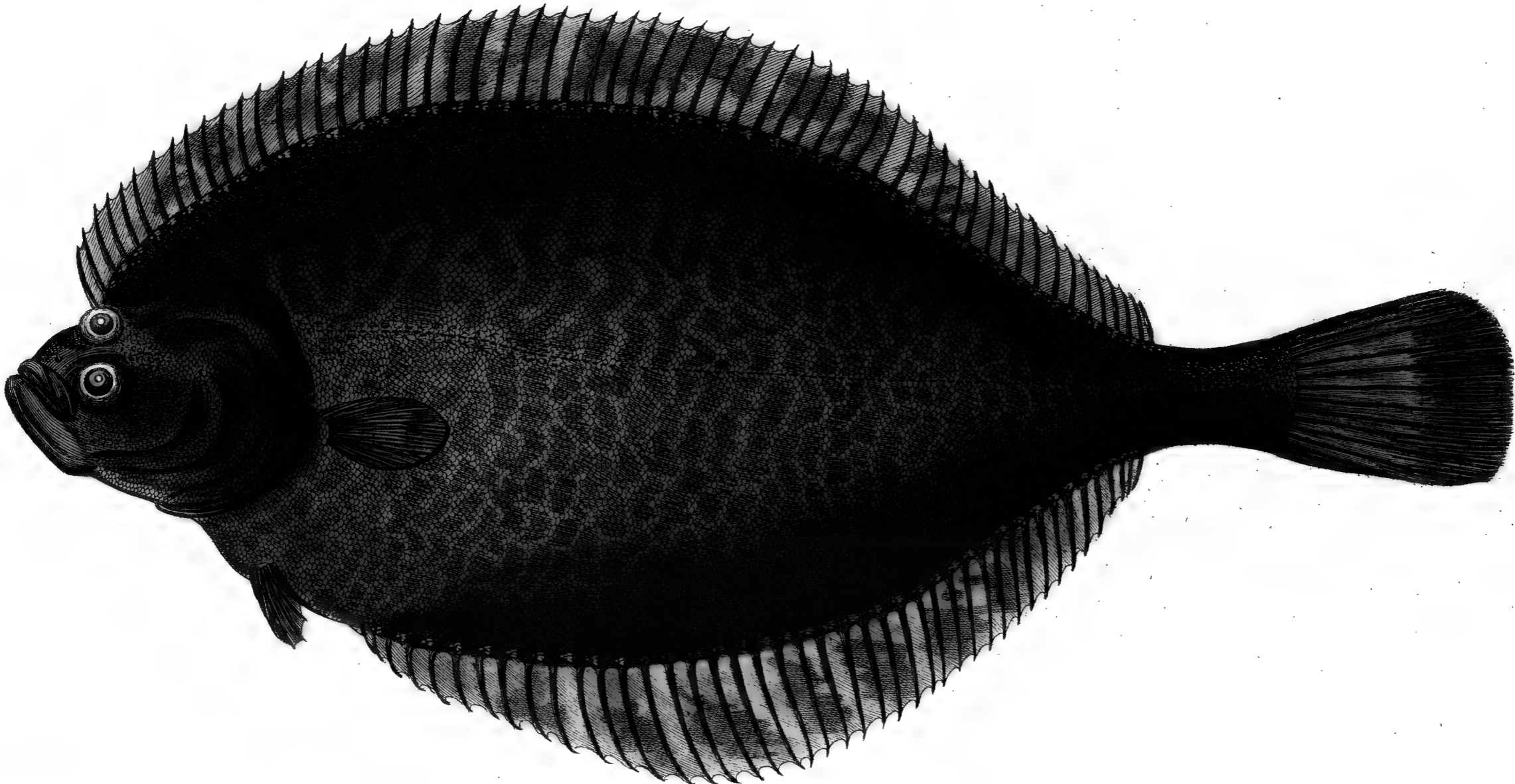
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PLEURONECTES PASSER.
Der Lincke Stachelflunder.

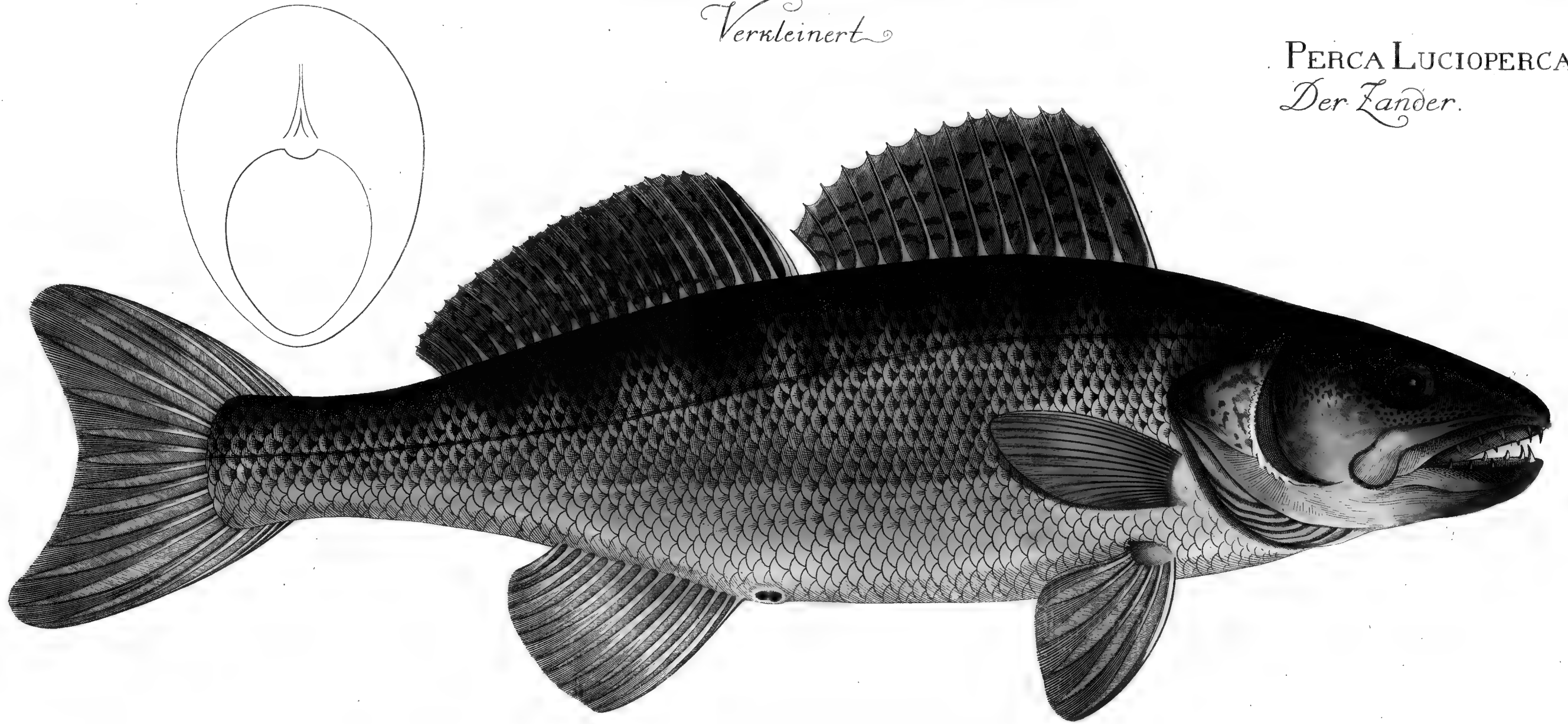
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PERCA LUCIOPERCA.
Der Zander.

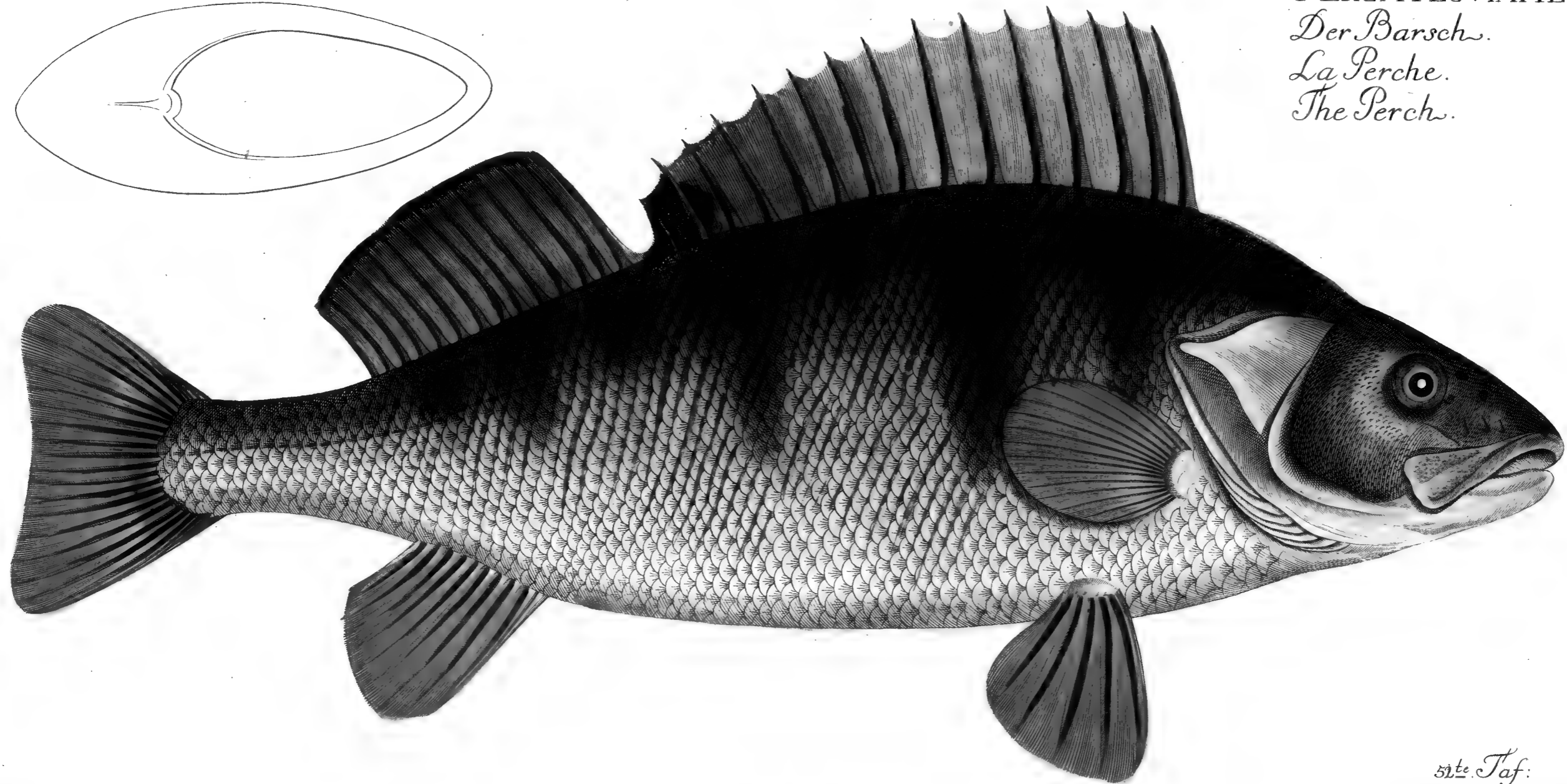
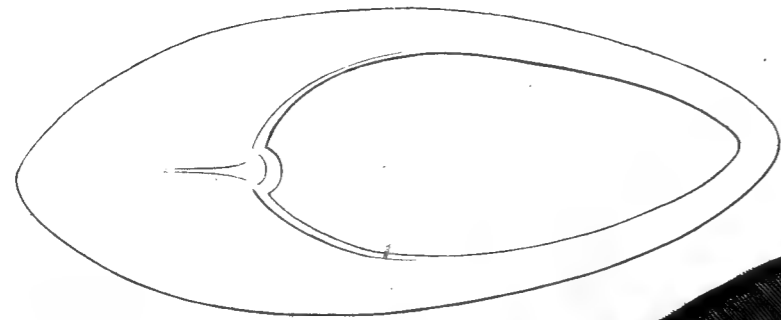


51^{te} Taf.

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Natürliche Grösse.

PERGA FLUVIATILIS.
Der Barsch.
La Perche.
The Perch.



5te Taf.

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Natürliche Gröſſen.

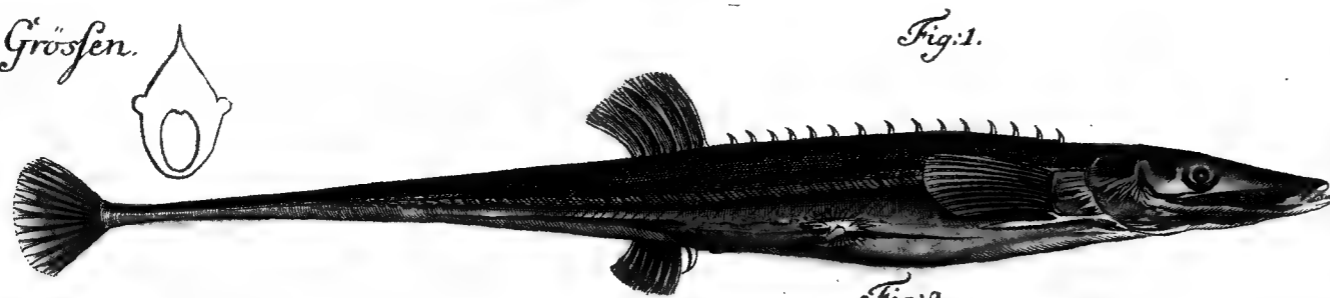


Fig: 1.

Fig: 1.
GASTEROSTEUS SPINACHIA
Der Dornfiſch.
The Fifteen Spined Sideback.

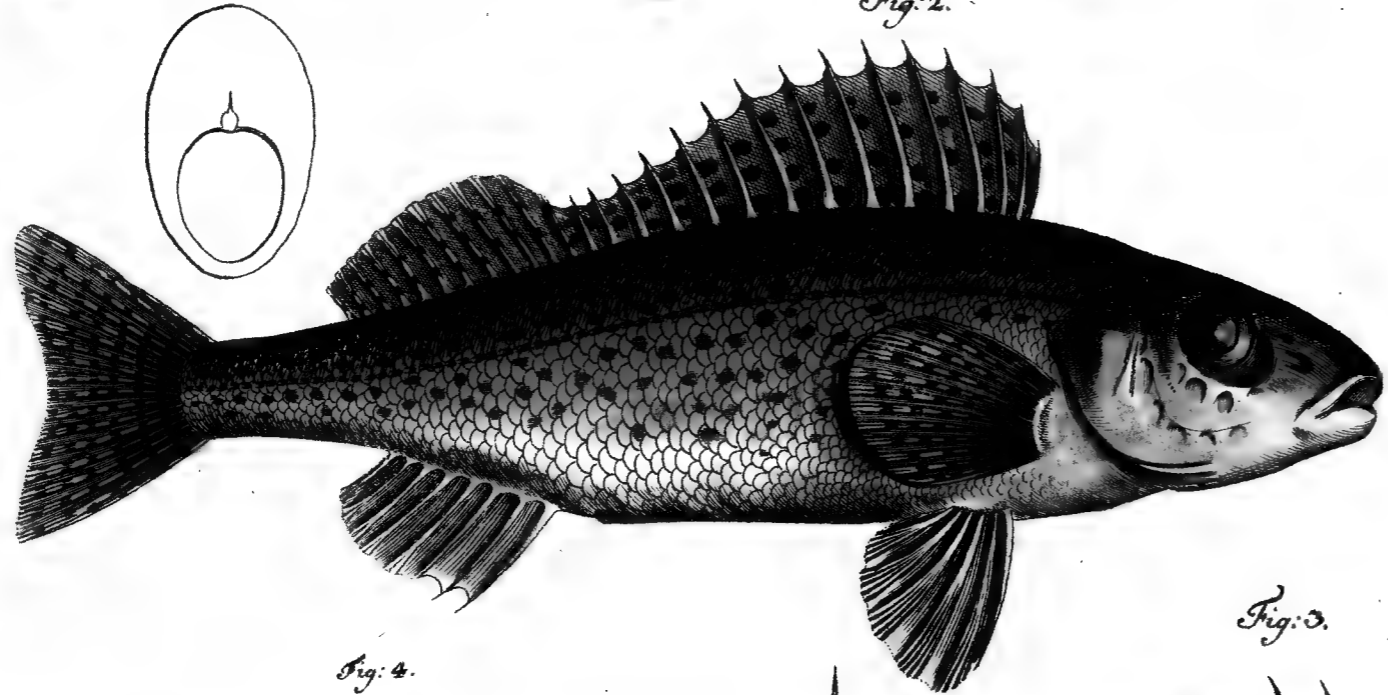


Fig: 2.

Fig: 2.
PERCA CERNUA.
Der Kaulbarsch
Fig: 3.

Fig: 3.
GASTEROSTEUS ACULEATUS.
Der Sticheling.
L'Espinoche.
The Stickleback.



Fig: 3.

Fig: 4.
GASTEROSTEUS PUNGITIUS.
Der Kleine See-Sticheling.
La petite Espinoche.
The lesser Stickleback.

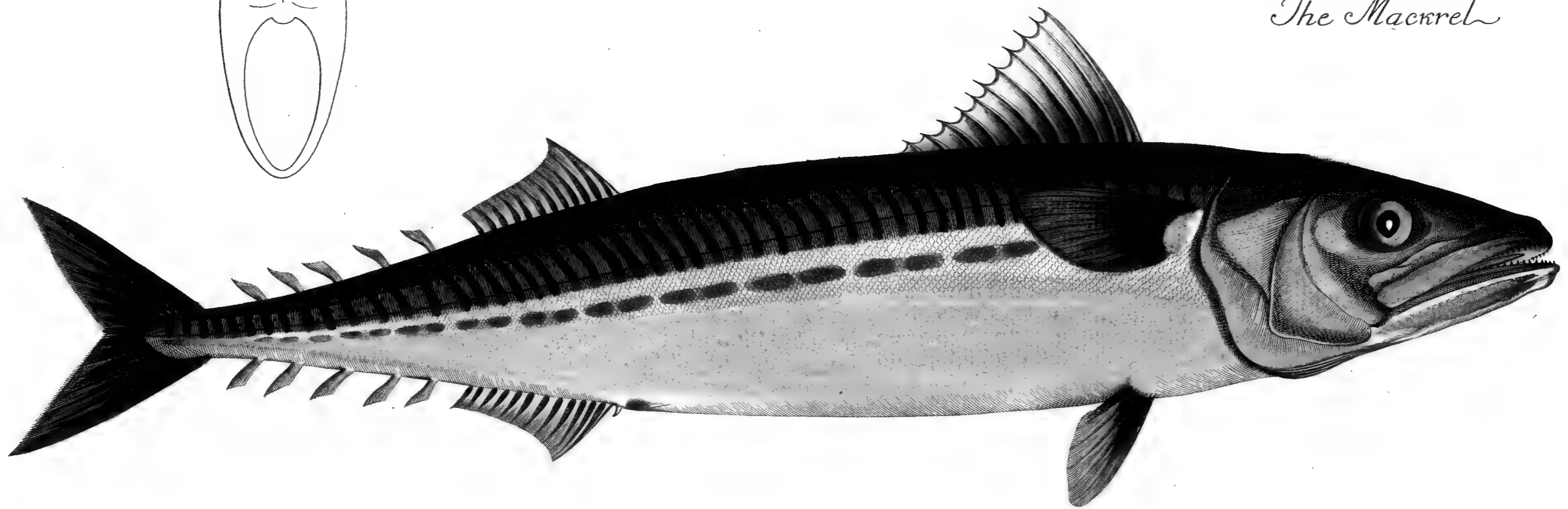
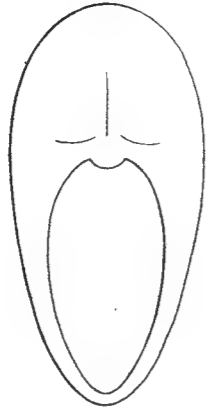
Fig: 4.



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SCOMBER SCOMBER.
Die Macrele.
Le Macreau.
The Macrel

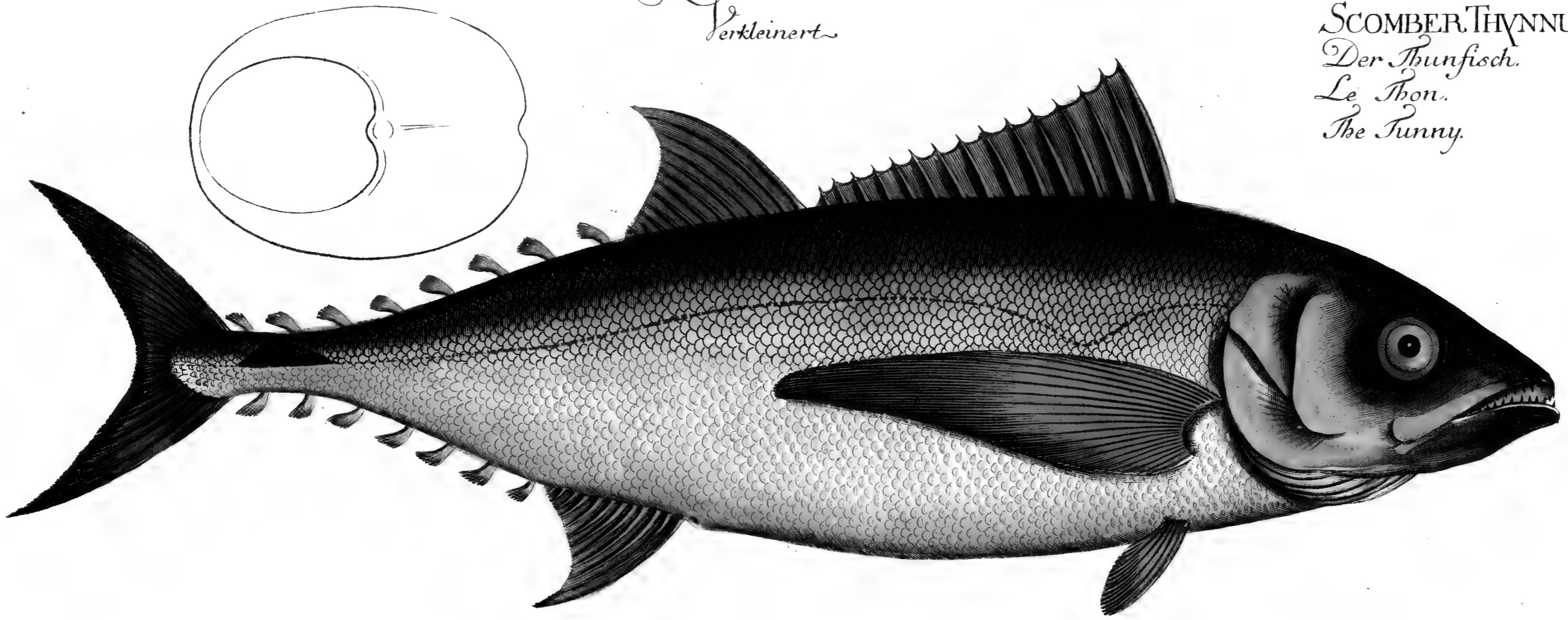


54^{te} Taf.

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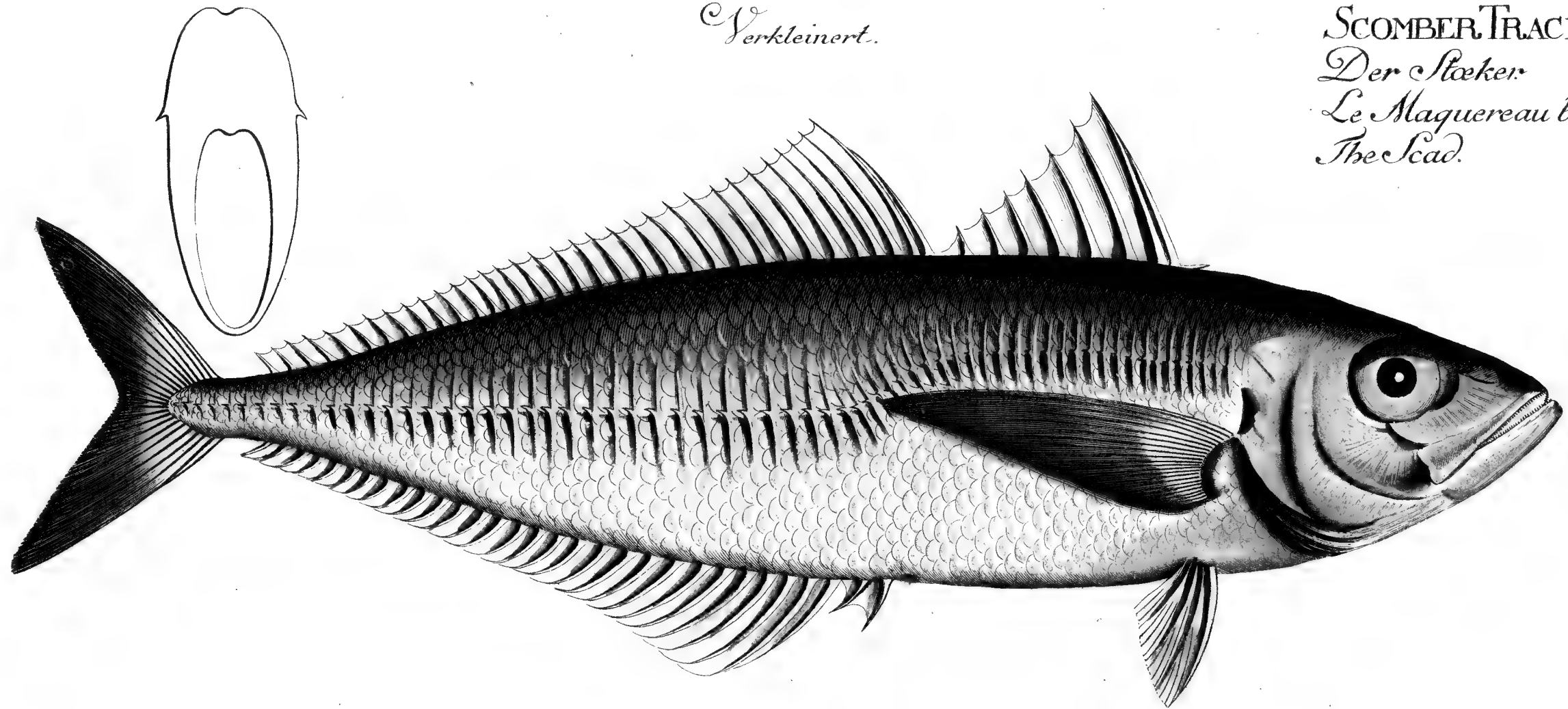
SCOMBER THYNNUS.
Der Thunfisch.
Le Thon.
The Tunny.



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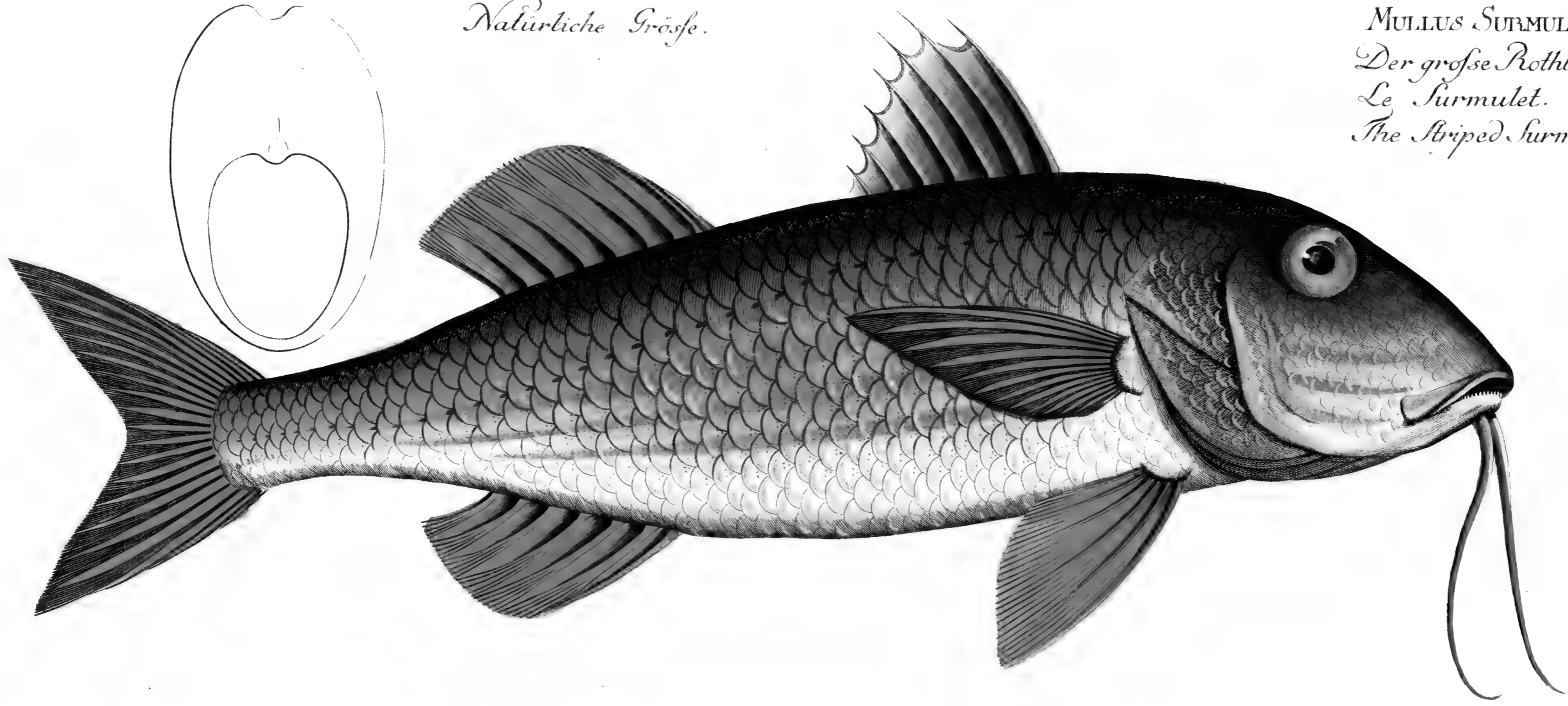
SCOMBER TRACHURUS.
Der Stöcker.
Le Maquereau bâtard.
The Scad.



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Natürliche Grösse.

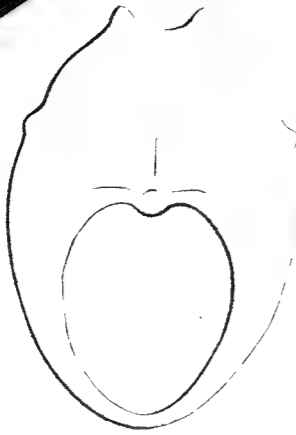
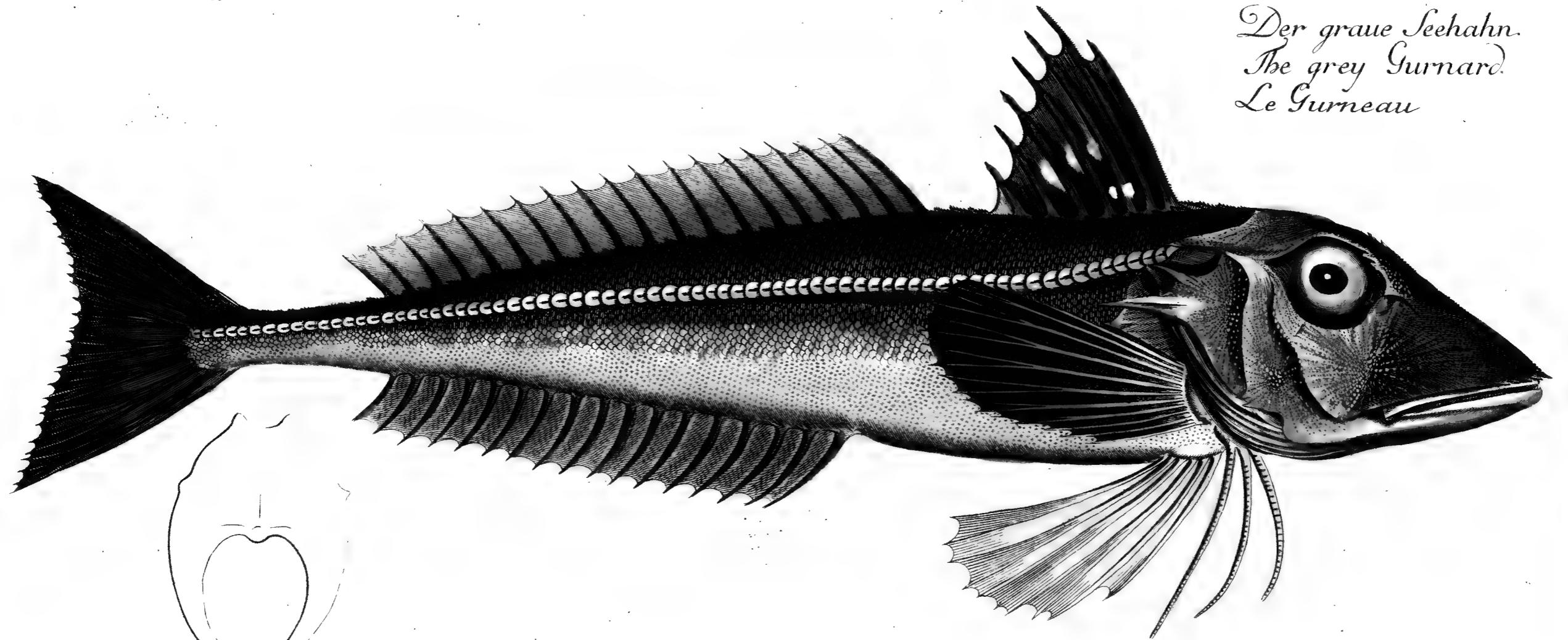
MULLUS SURMULETUS.
Der grosse Rothbart.
Le Surmulet.
The Striped Surmulet.



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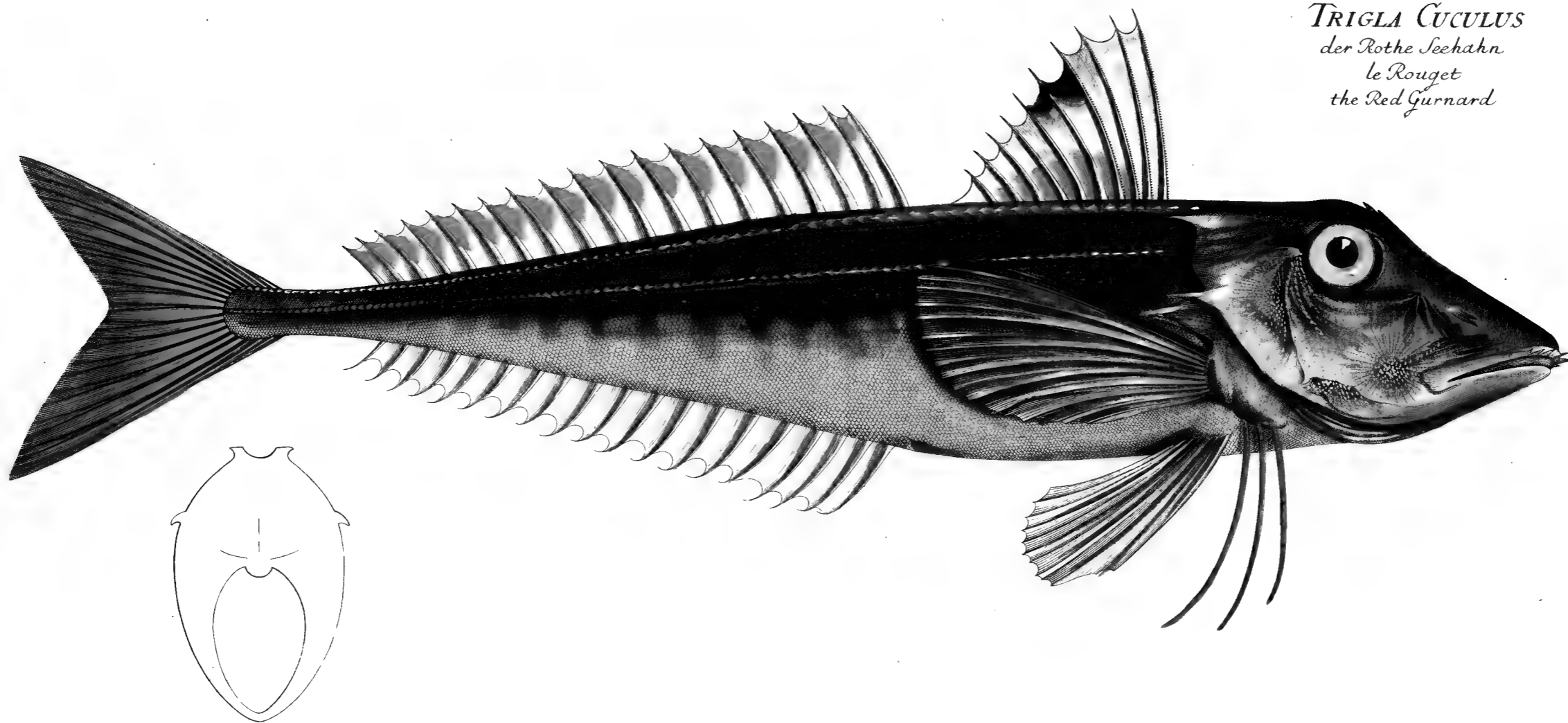
TRIGLA GURNARDUS.
Der graue Seehahn.
The grey Gurnard.
Le Gurneau



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Natürliche Größe

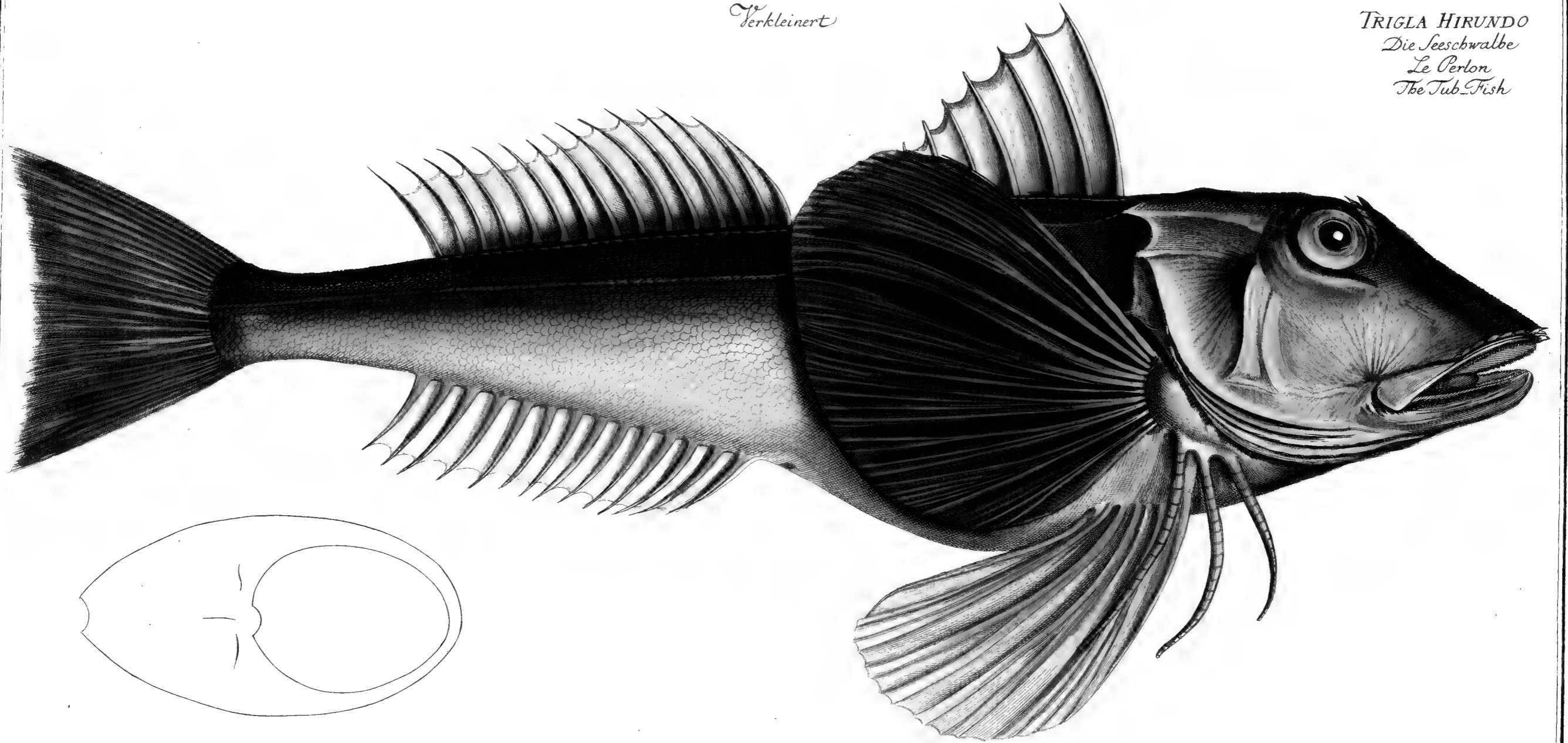
TRIGLA CUCULUS
der Rothe Seehahn
le Rouget
the Red Gurnard



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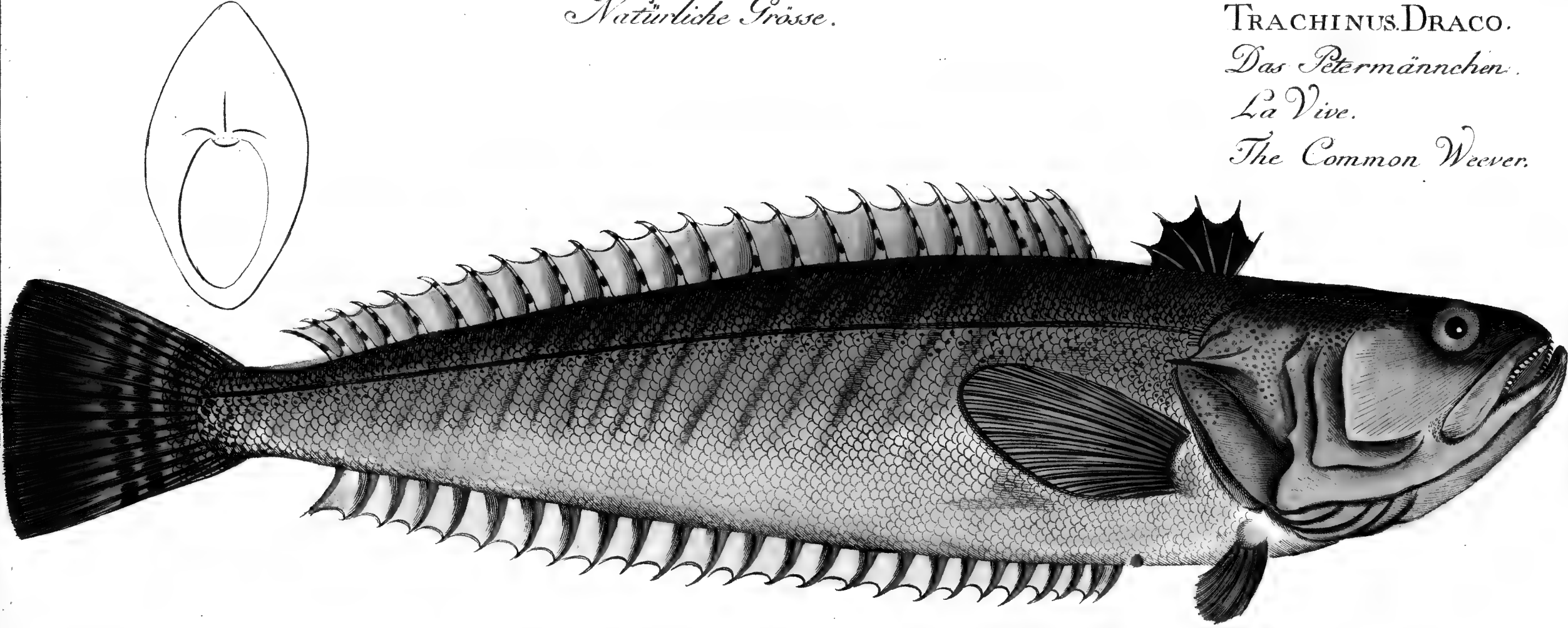
TRIGLA HIRUNDO
Die Seeschwalbe
Le Perlon
The Tub-Fish



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Natürliche Grösse.

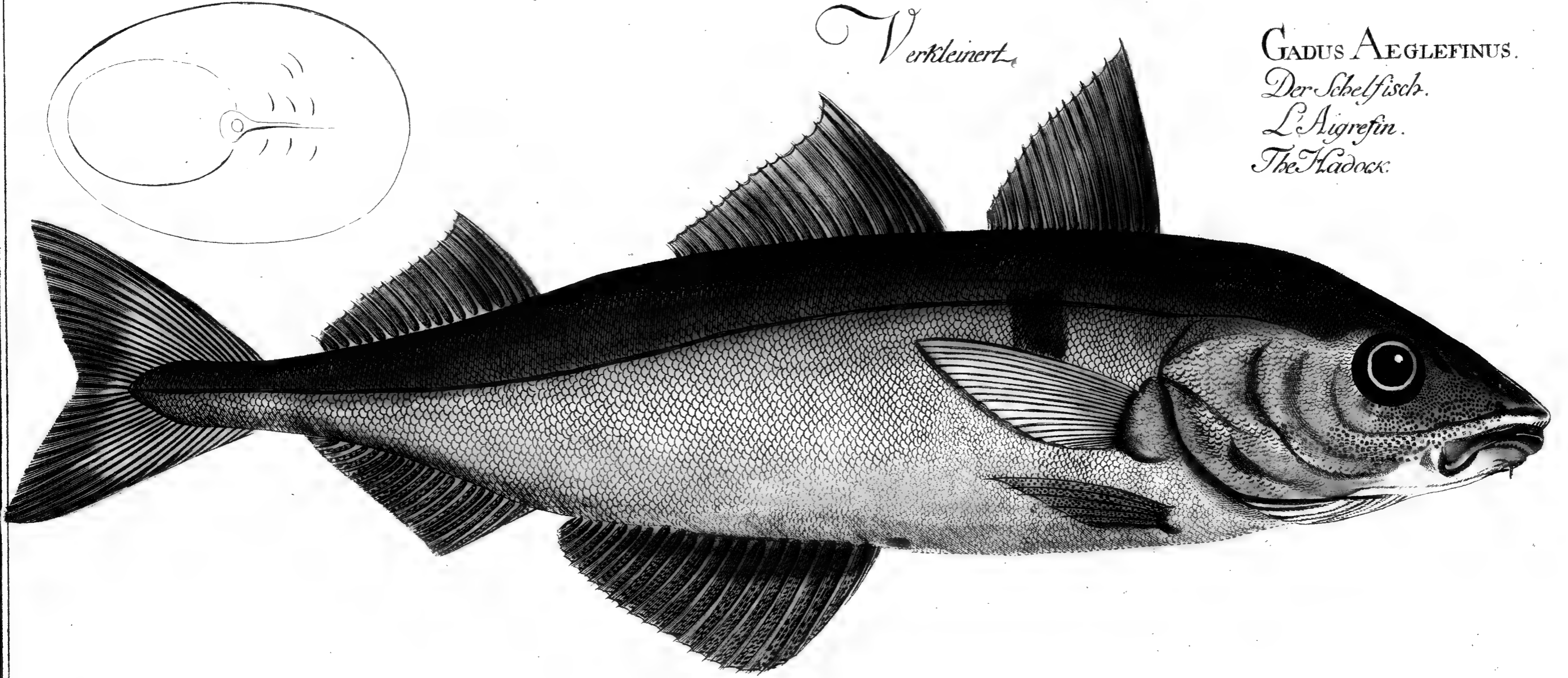
TRACHINUS. DRACO.
Das Petermännchen.
La Vive.
The Common Weever.



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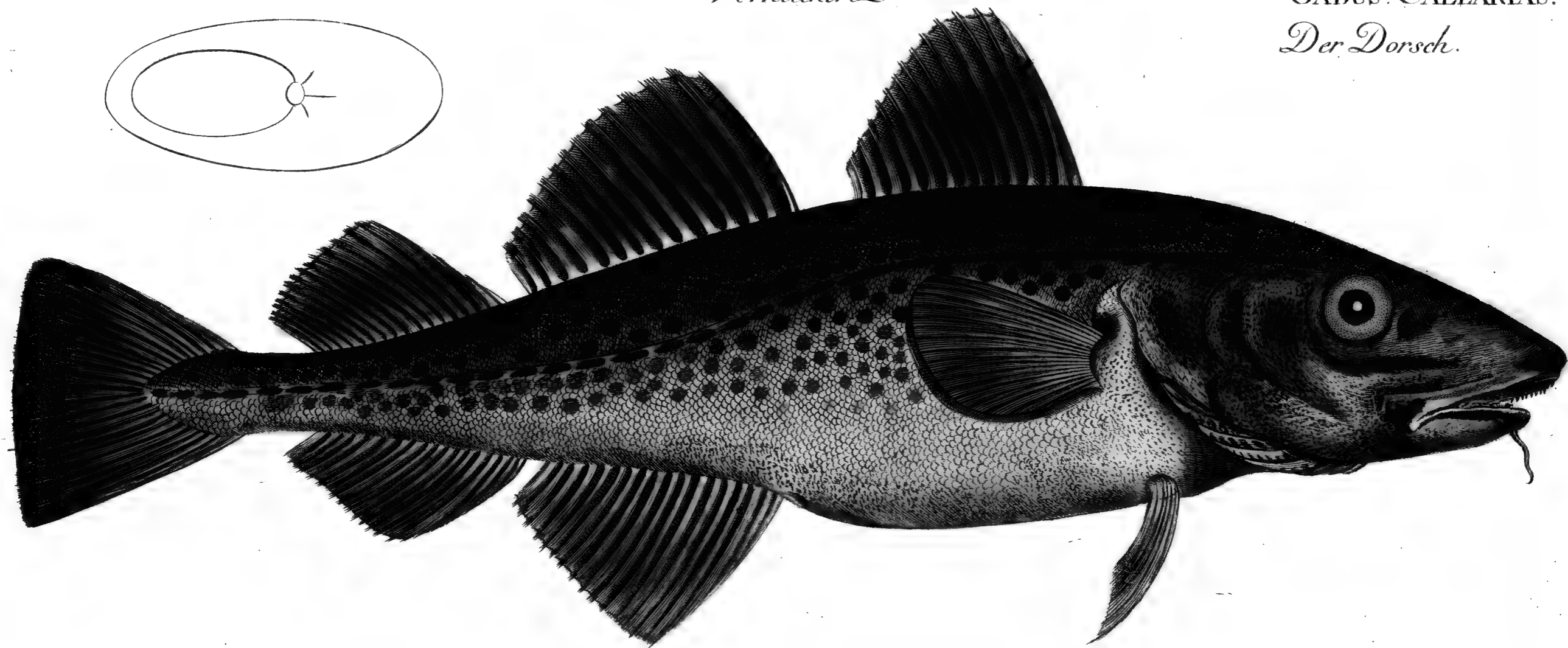
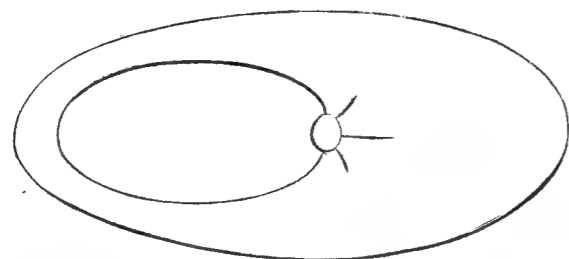
CIADUS AEGLEFINUS.
Der Schelfisch.
L'Aigrefin.
The Haddock.



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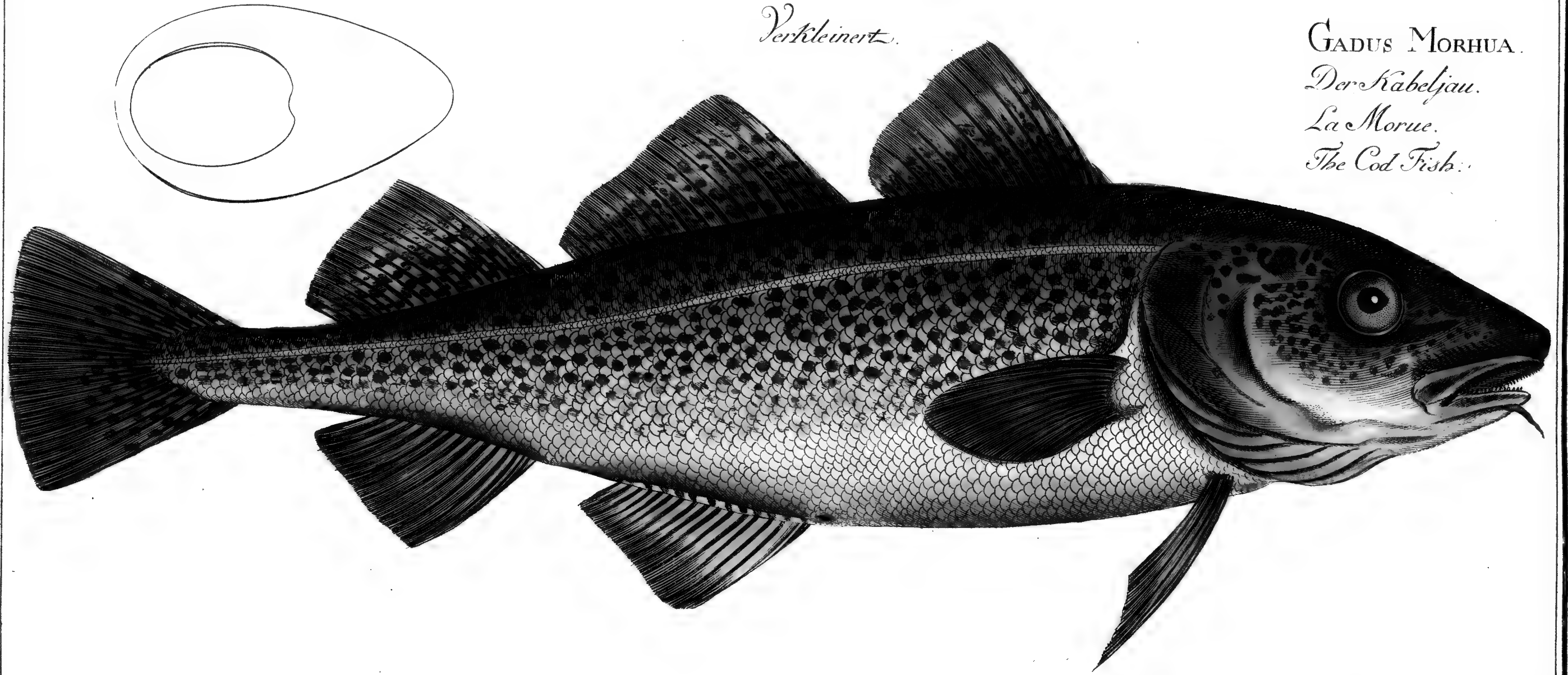
GADUS: CALLARIAS.
Der Dorsch.



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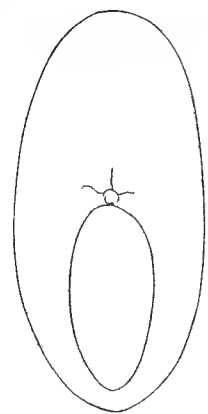
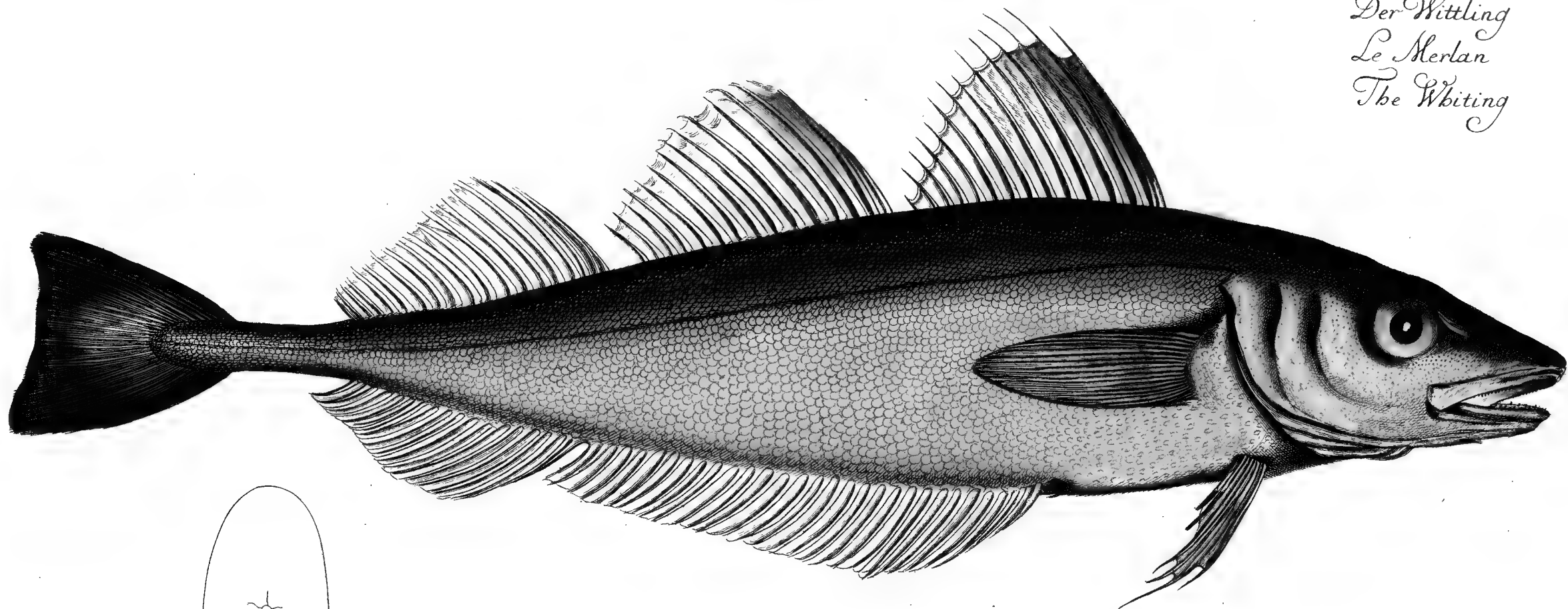
GADUS MORHUA.
Der Kabeljau.
La Morue.
The Cod Fish.



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GADUS MERLANGUS
Der Wittling
Le Merlan
The Whiting

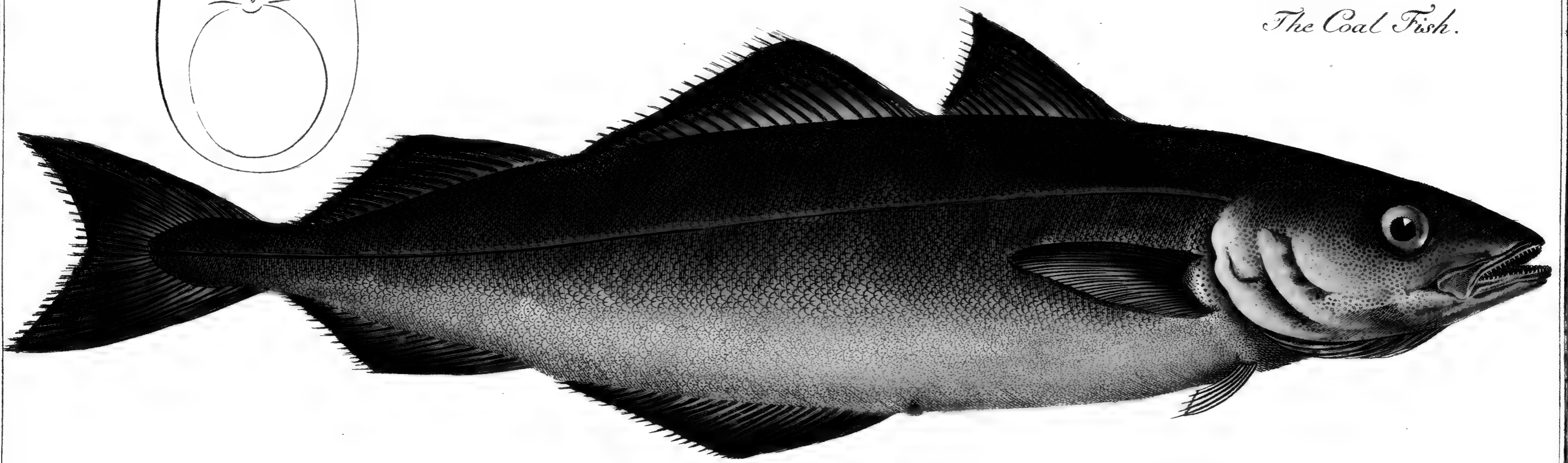
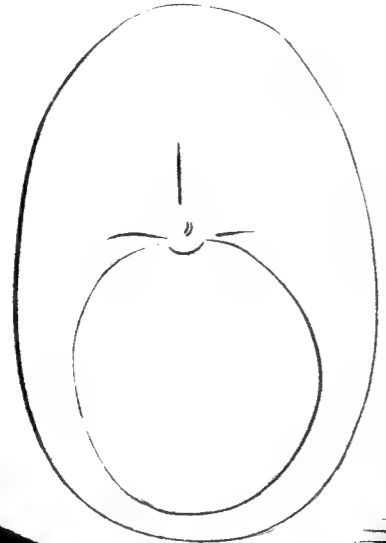


Kröger Jun. del. ——— Berger Senior. Sc.

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GADUS CARBONARIUS.
Der Köhler.
Le Colin.
The Coal Fish.



66^{te} Tafel.
F. W. Schmidt sc.

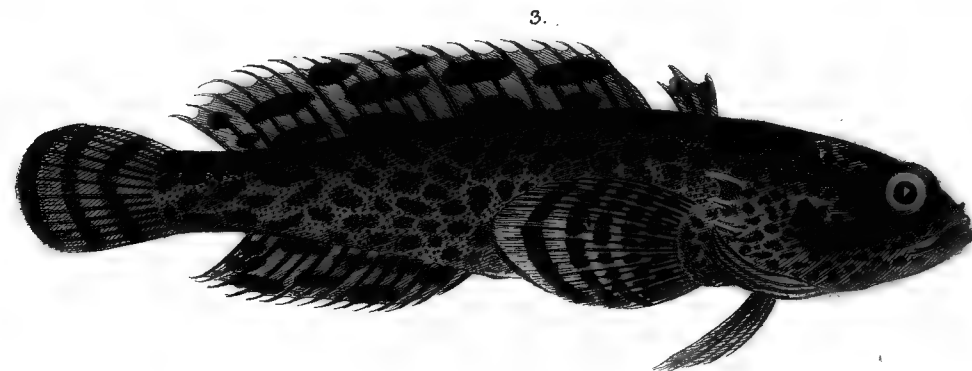
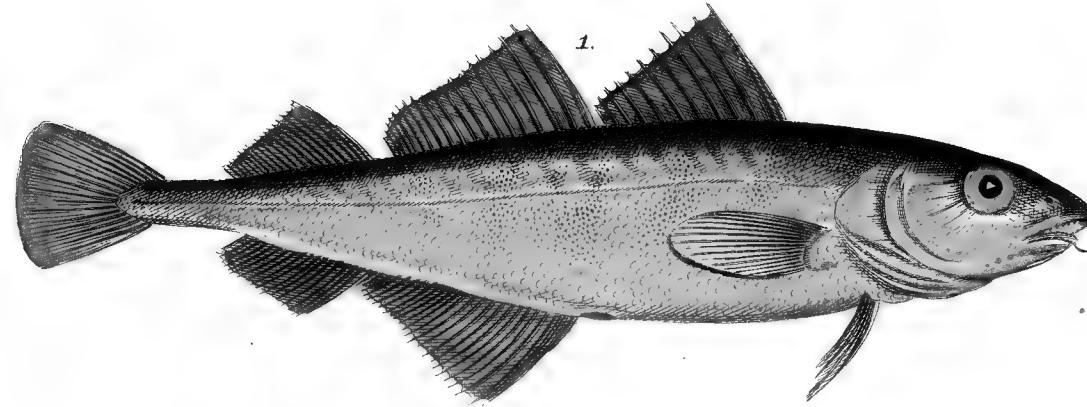
Kröger jun. del.

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Natürliche Gröſſen

Fig. 1. *GADUS MINUTUS*
der Zwergdorsch
l'Officier
the Poor

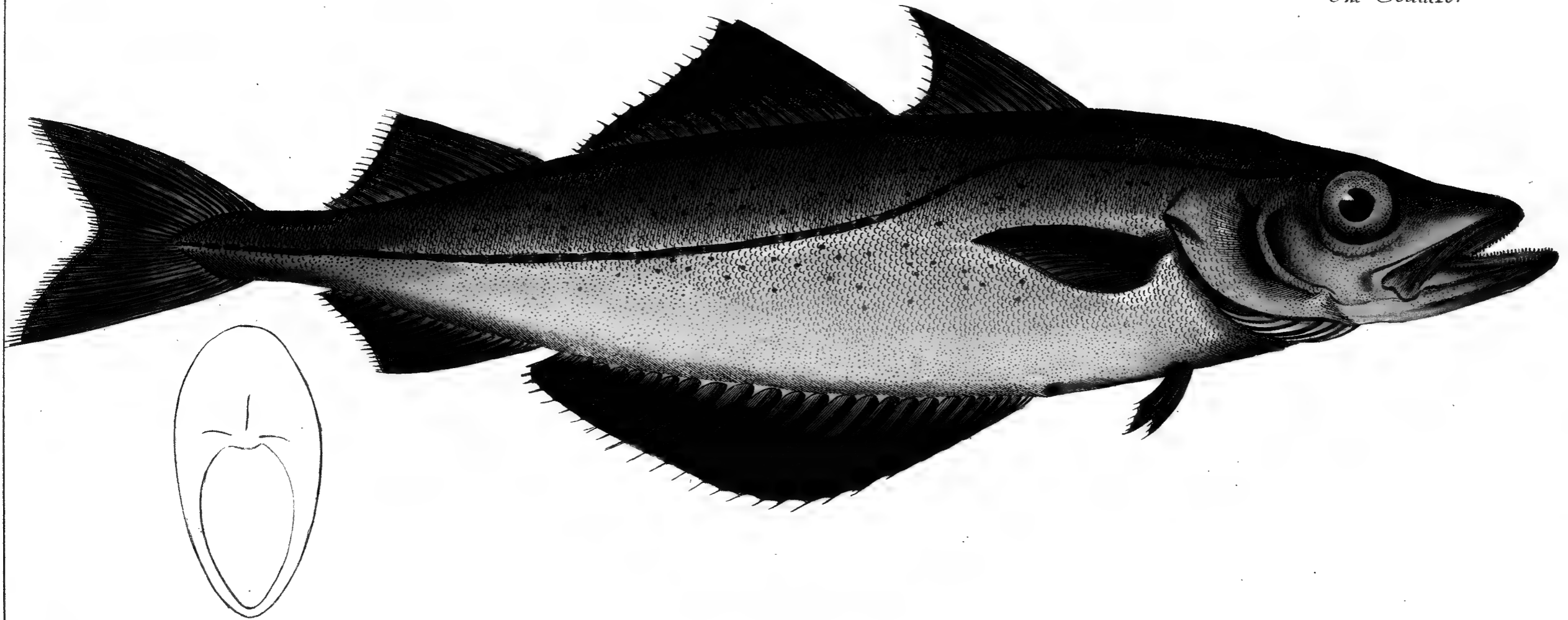
Fig. 2.3. *GADUS TAU*
der Krötenfisch.



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GADUS POLLACHIUS.
Der Pollac.
Le Lieu.
The Pollack.



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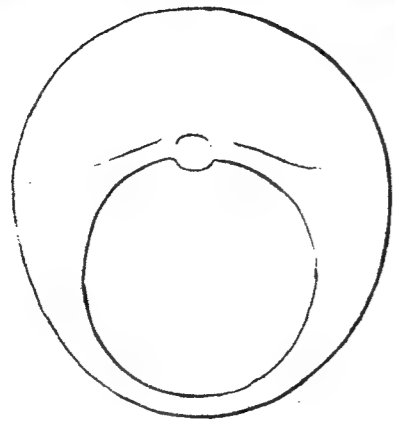
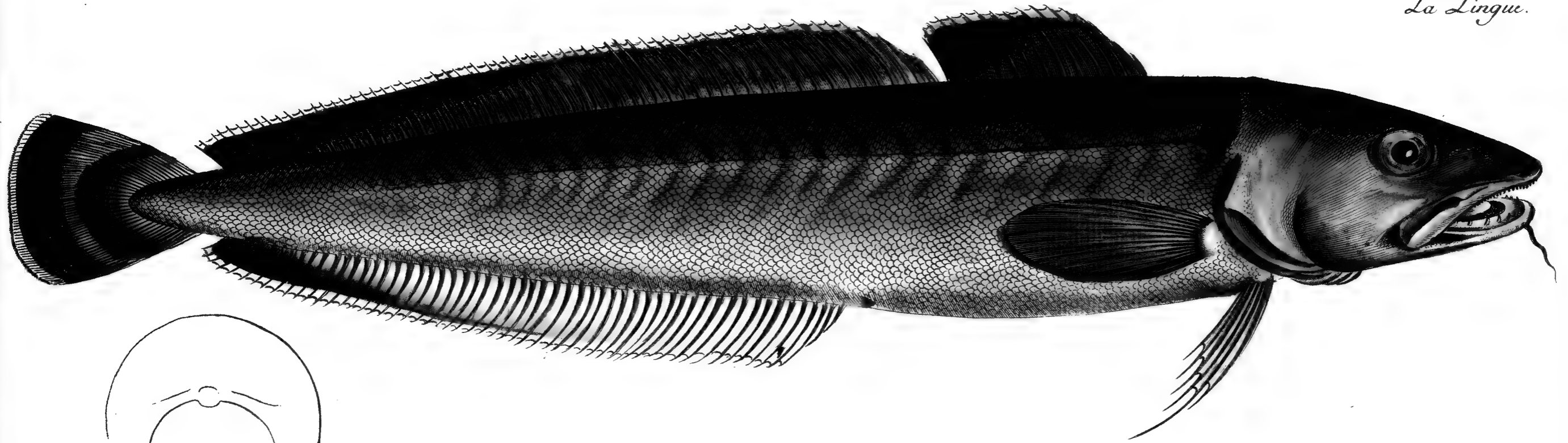
Verkleinert

GADUS MOLVA

Der Leng.

The Ling.

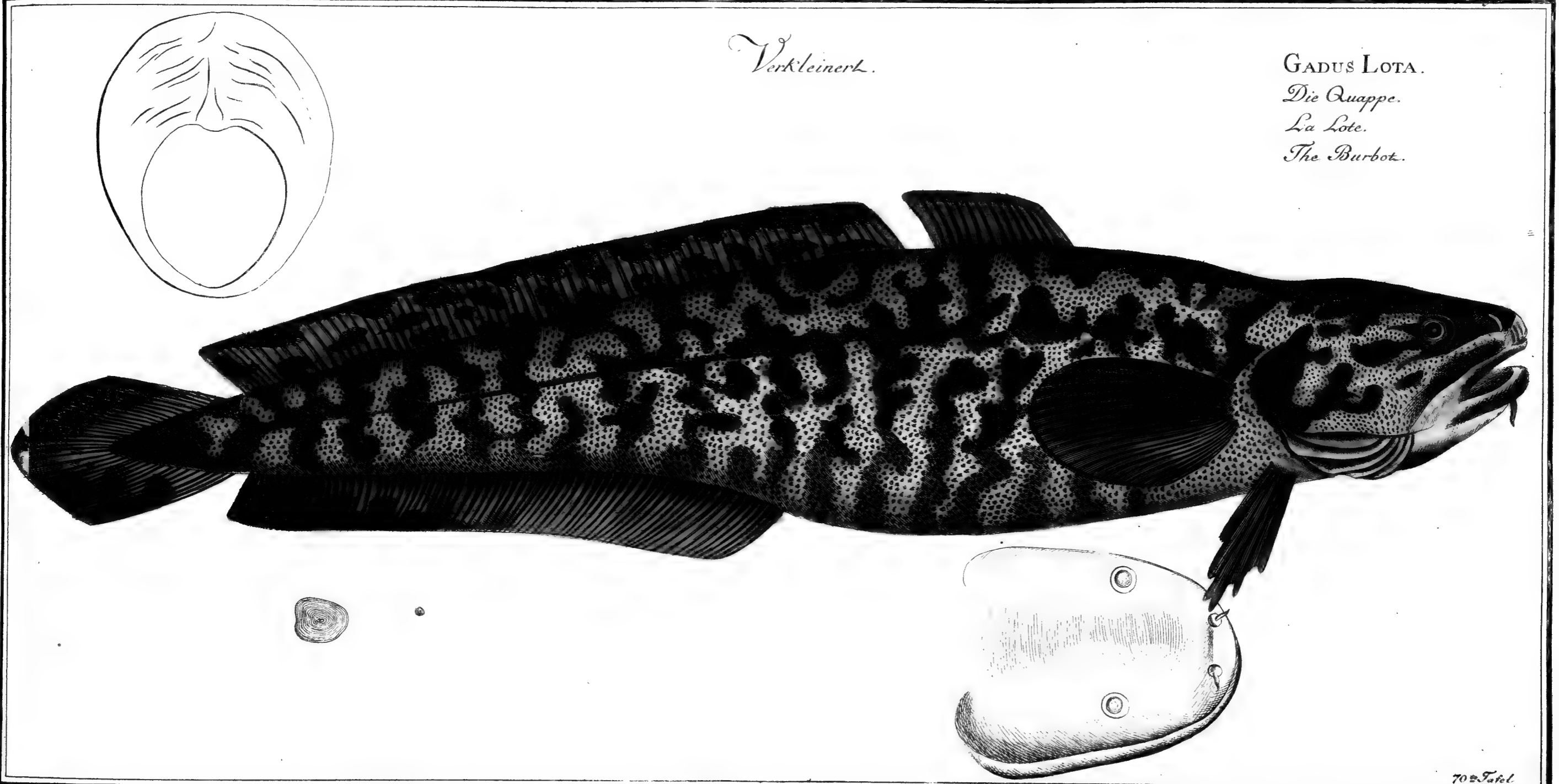
La Lingue.



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GADUS LOTA.
Die Quappe.
La Lote.
The Burbot.



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Natürliche Gröſſen.

Fig. 1. BLENNIUS GUNELLUS.
Der Butterfiſch.
The Butterfiſh.

Fig. 2. BLENNIUS PHOLIS.
Die Meerlerche.
La Perceperre.
The Bulcard.

Fig. 2.

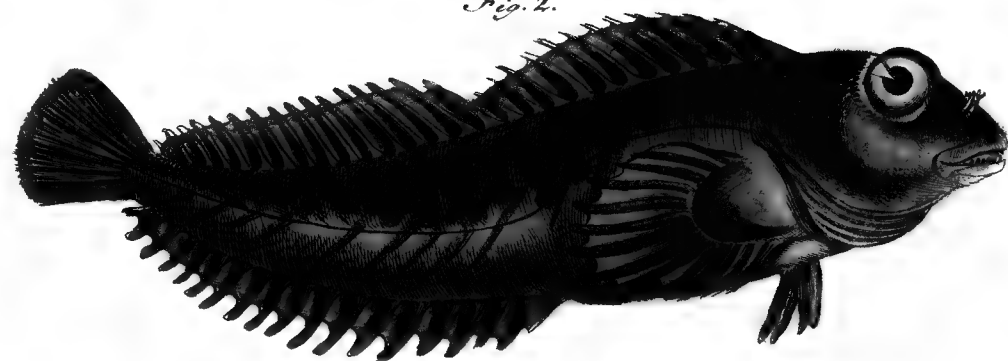
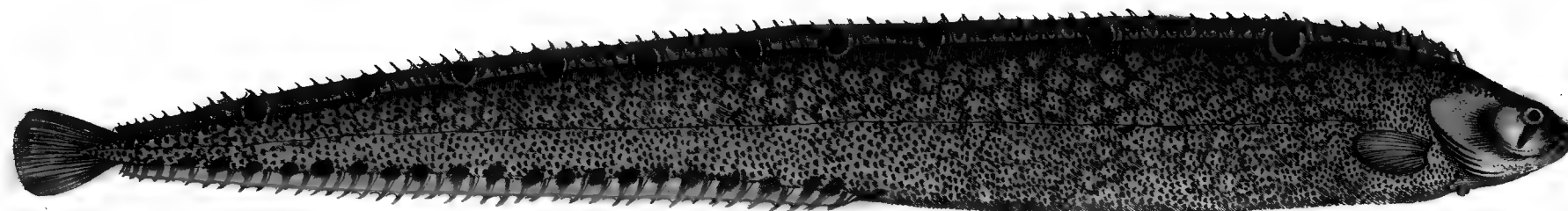


Fig. 3.



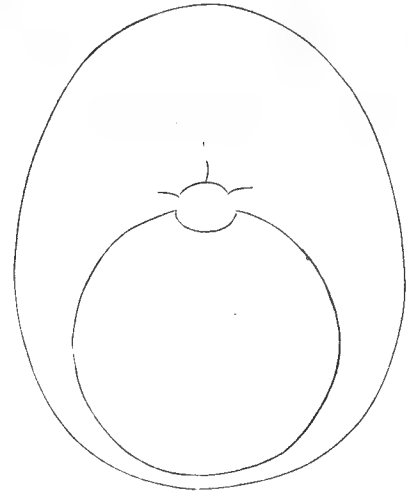
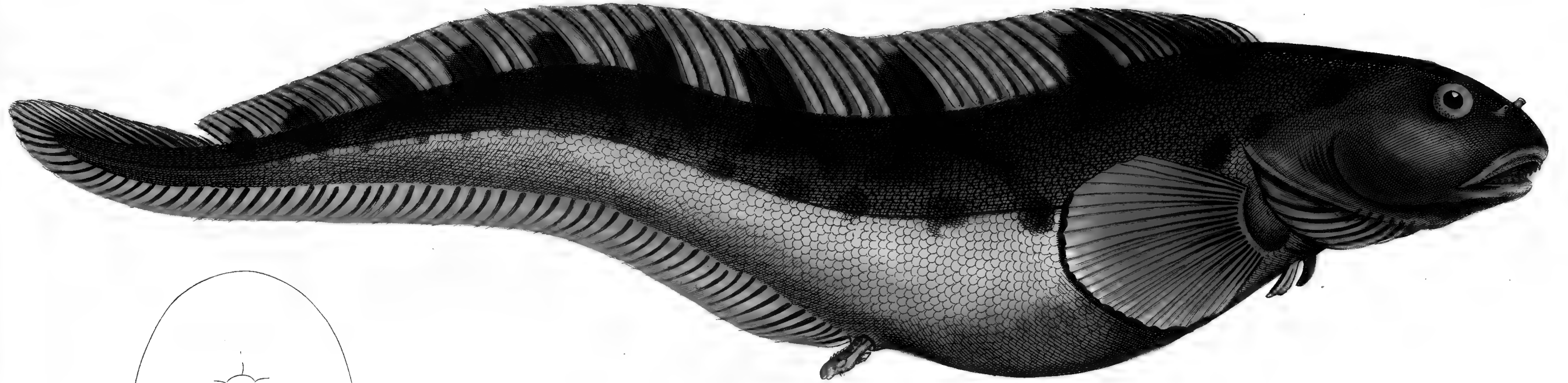
Fig. 1.



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Natürliche Größe

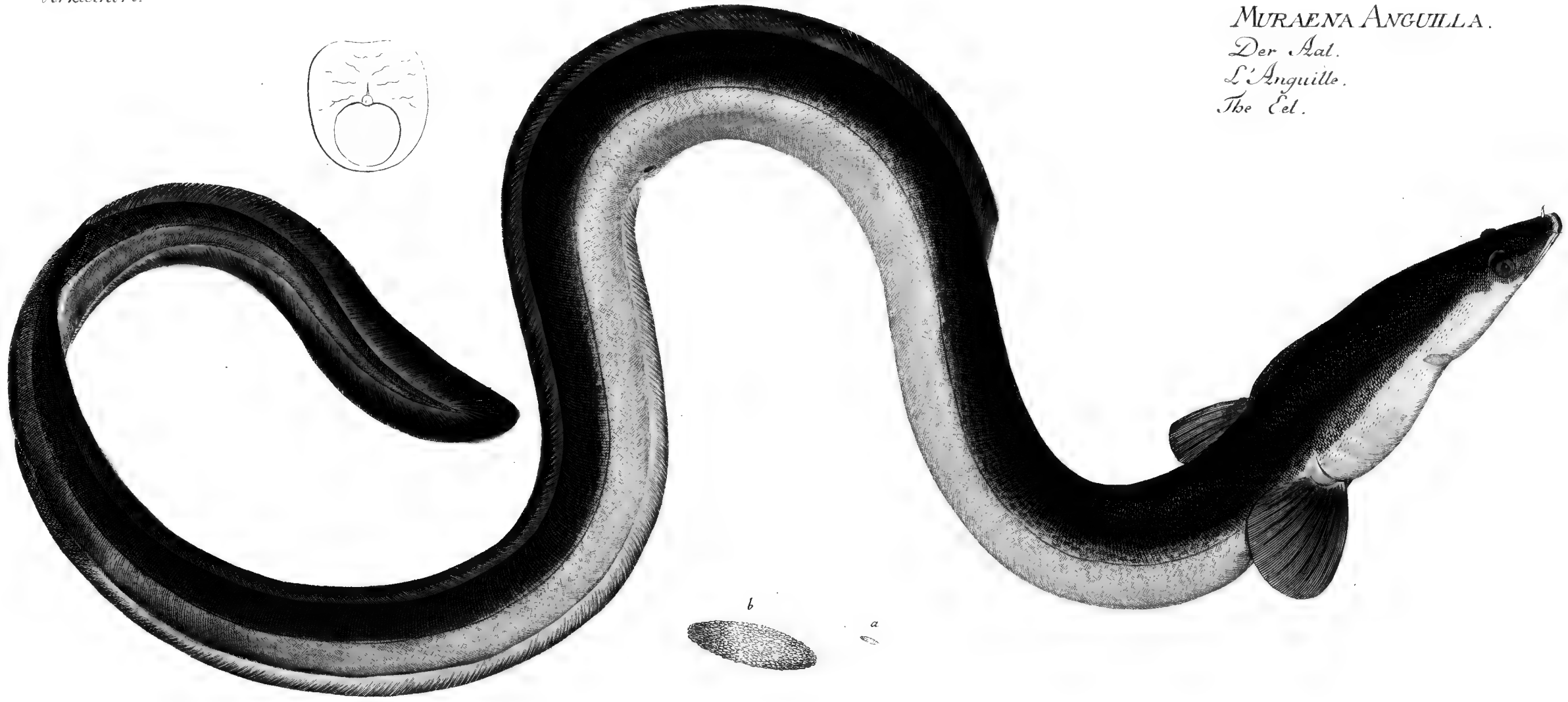
BLENNIUS VIVIPARUS
Die Aalmutter
The Viviparous Blenny



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29.
Verkleinert.

MURAENA ANGUILLA.
Der Aal.
L'Anguille.
The Eel.



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ANARHICHAS LUPUS.
Der Seewolf.
Le Loup Marin.
The Wolf fish.

Fig: 1.

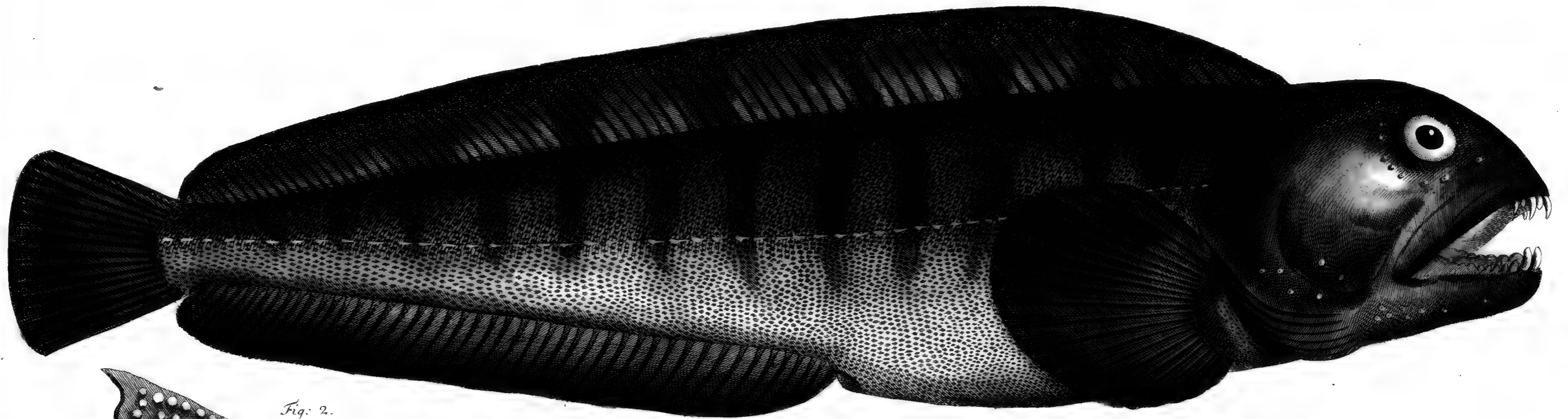


Fig: 2.

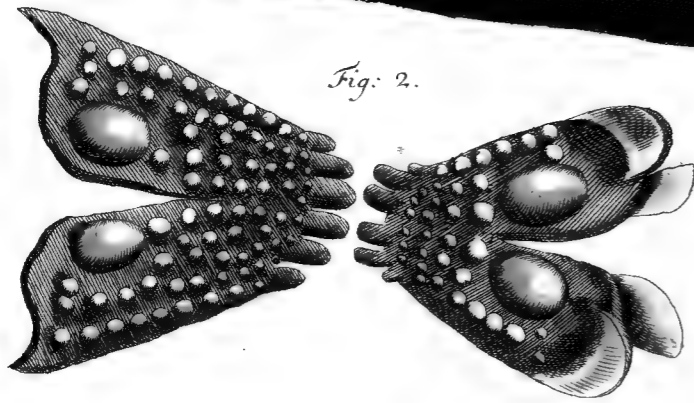
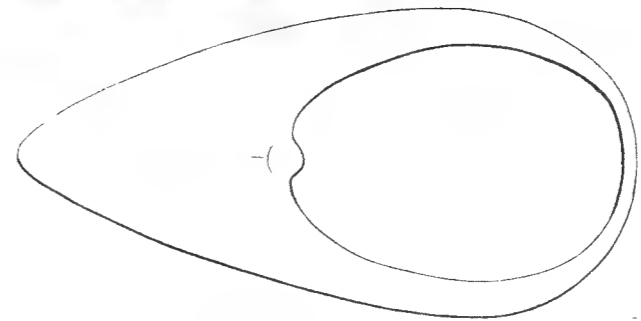


Fig: 3.



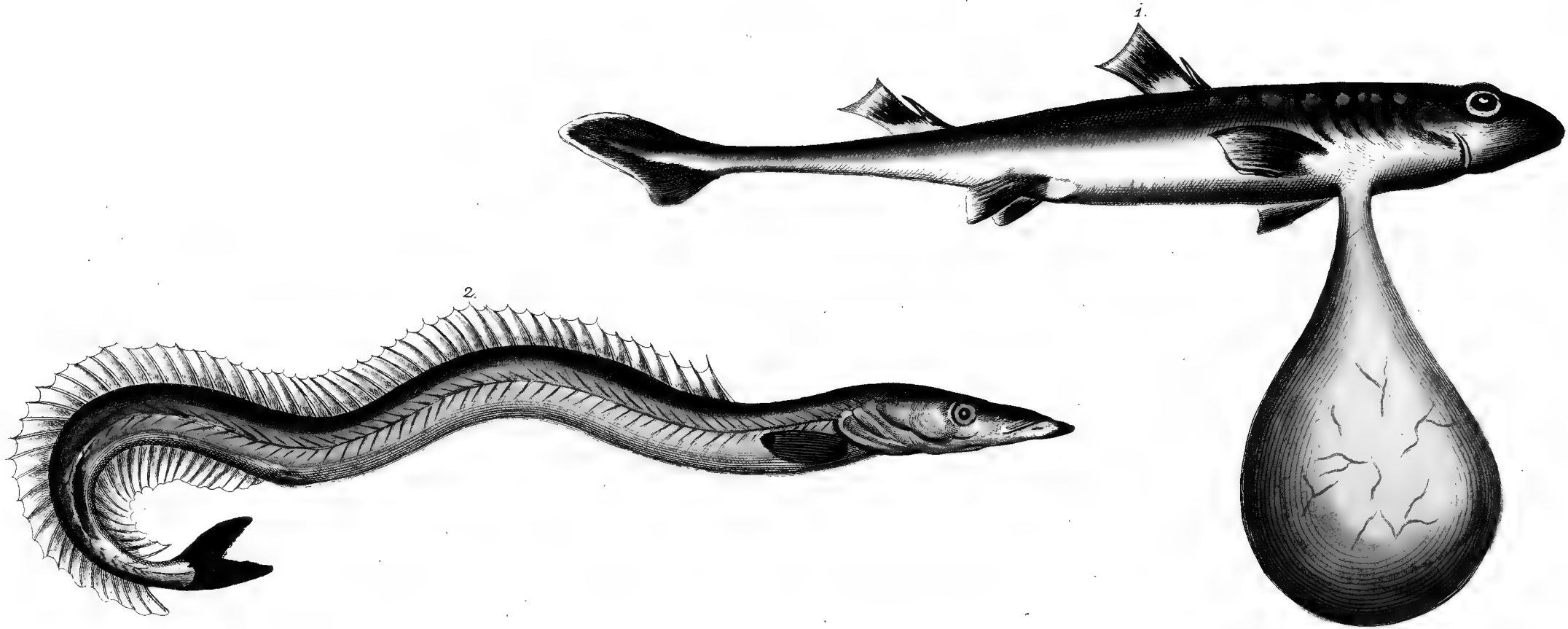
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2. *AMMODYTES TOBIANUS*.

*Der Sandaal.
Le Lancon.
the Saunce.*

1. *EMBRIO SQUALI*

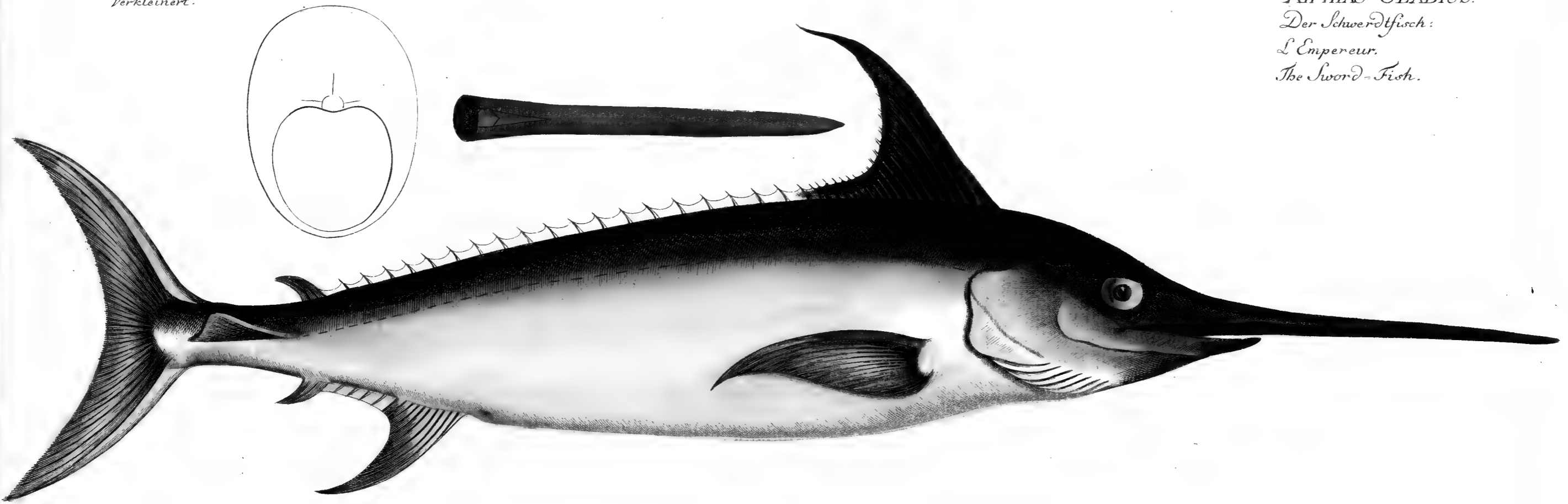
Ein ungebohrner Haalfisch



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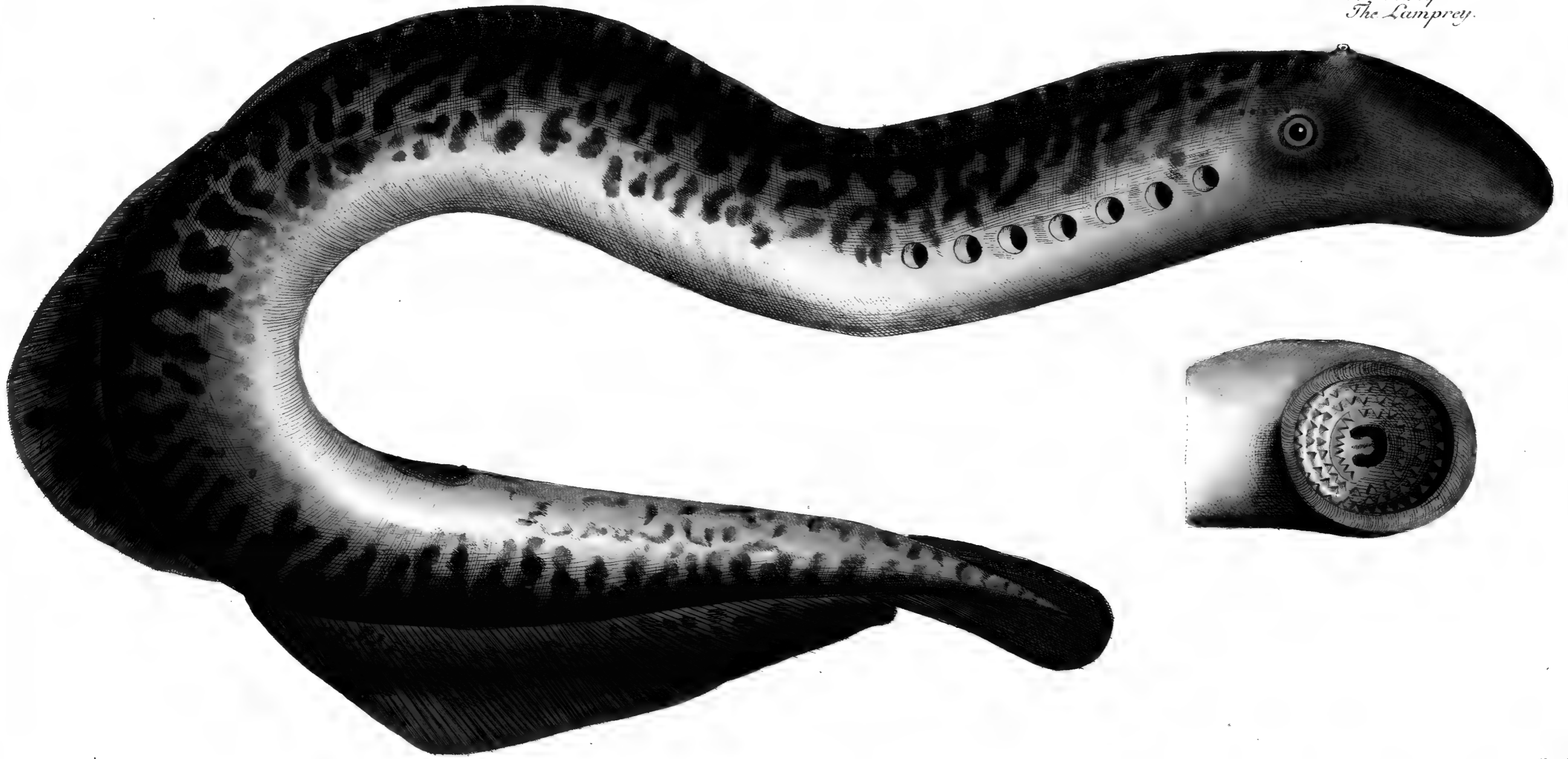
XIPHIAS GLADIUS.
Der Schwerdtfisch:
L'Empereur.
The Sword-Fish.



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PETROMIZON MARINUS
*Die Lamprote.
La Lamproie.
The Lamprey.*



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Fig: 3.

Natürliche Größen.

PETROMYZON PLANERI.
Das kleine Neunauge.

Fig: 2.

PETROMYZON BRANCHIALIS.
Der Querder.
Le Lamprillon
Ibe Pride.

Fig: 1.

PETROMYZON FLUVIATILIS.
Neunauge.
La Lamproie.
Ibe Lesser Lampreij.



Fig: 1.

Fig: 3.



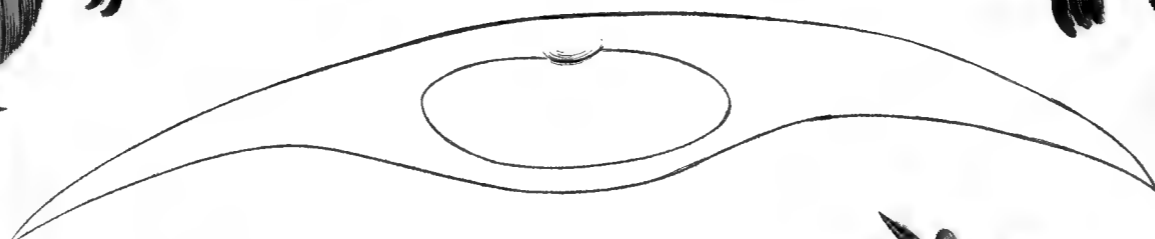
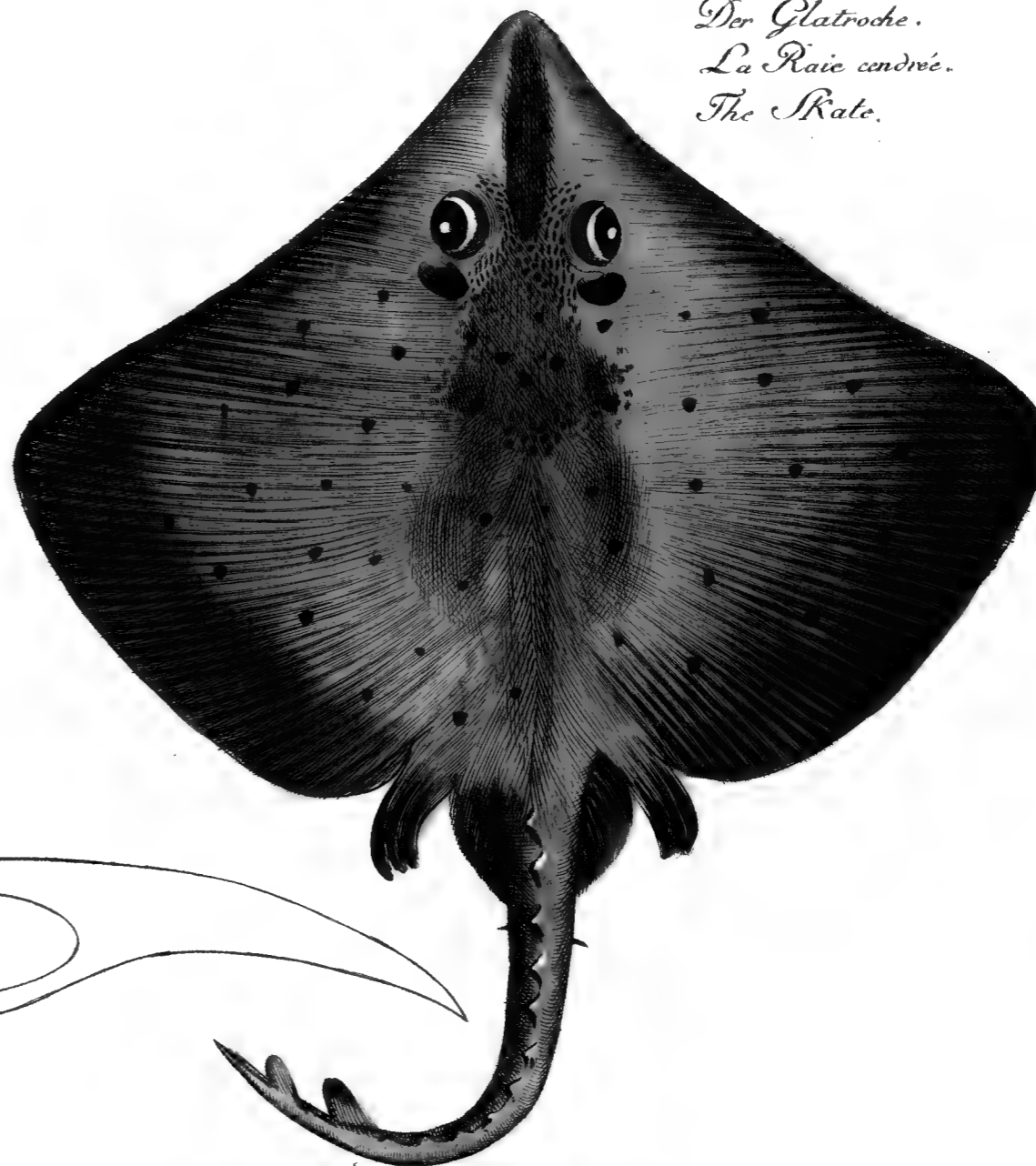
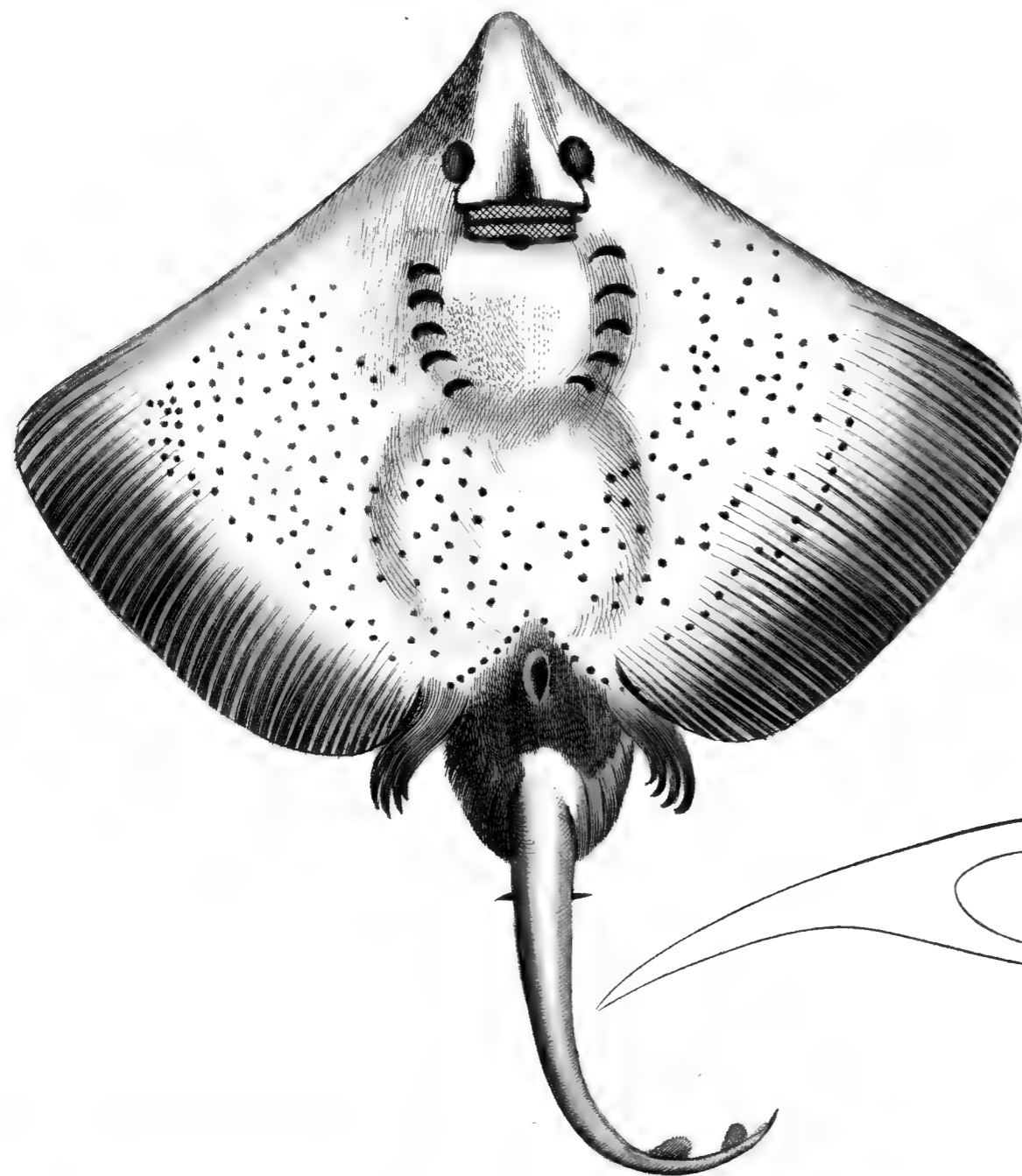
Fig: 2.



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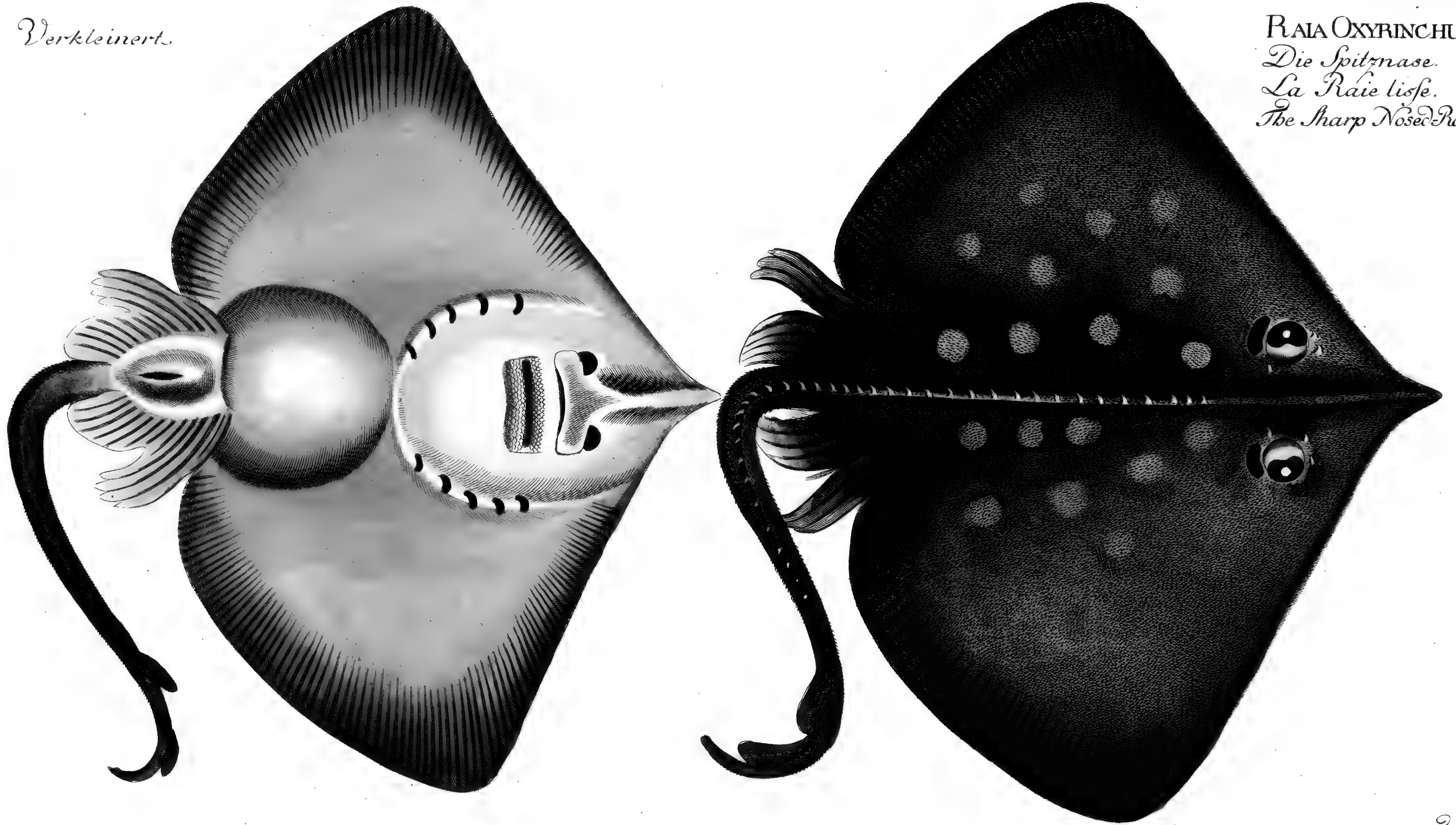
RAJA Batis.
Der Glatroche.
La Raie cendrée.
The Skate.



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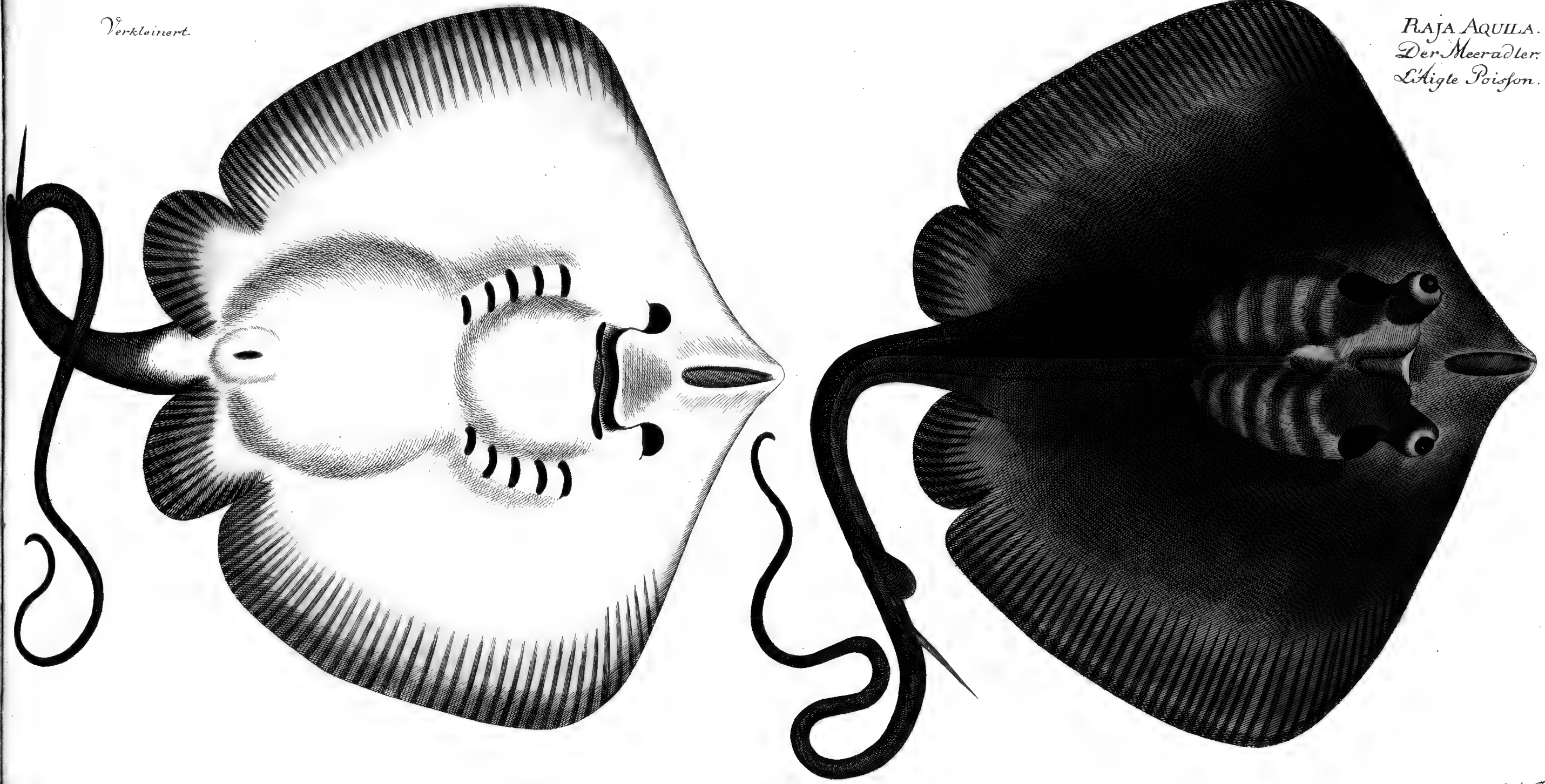
RAIA OXYRINCHUS
Die Spitznase.
La Raie liose.
The Sharp Nosed Ray.



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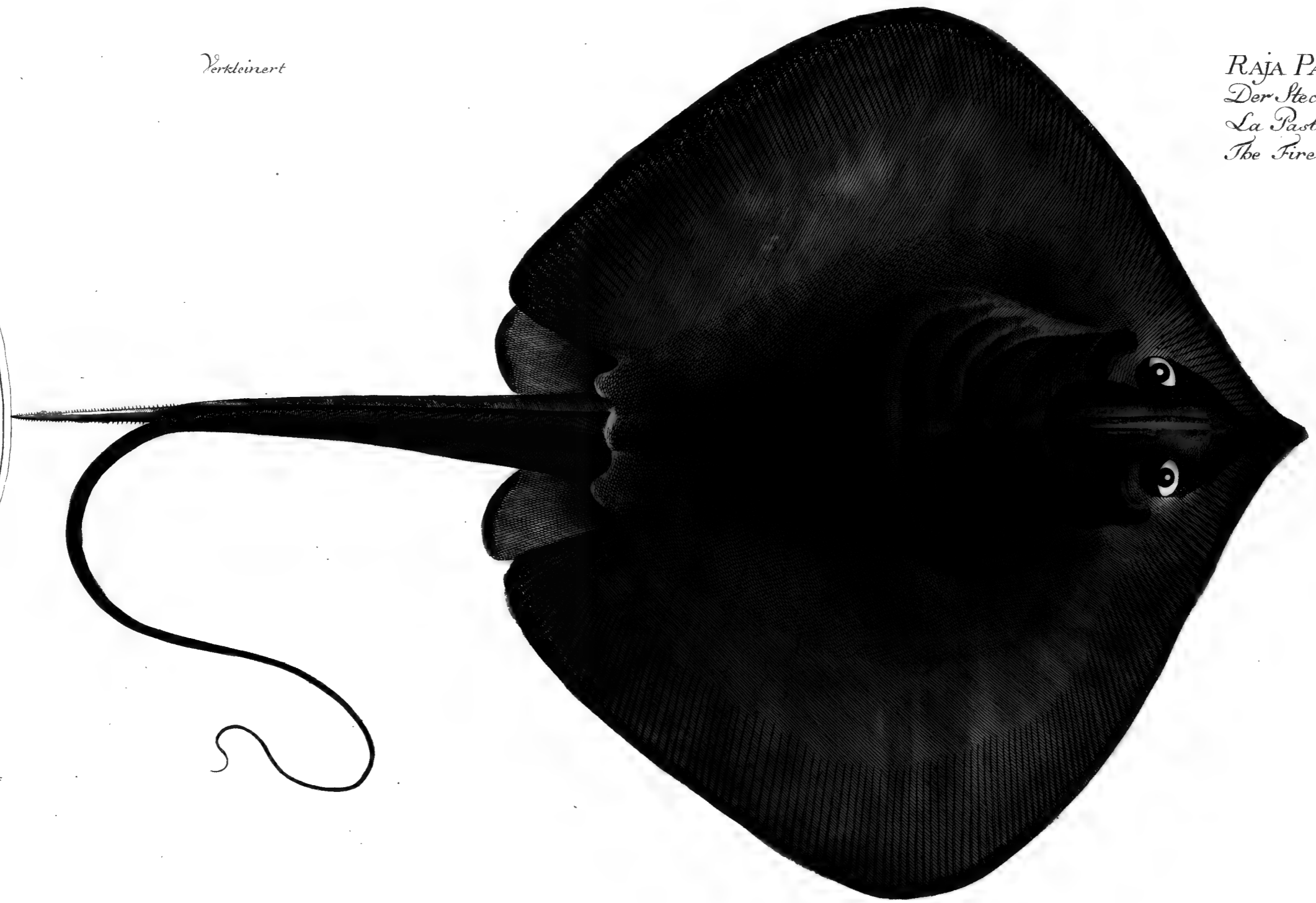
RAJA AQUILA.
Der Meeradler.
L'Aigle Poison.



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RAJA PASTINACA.
Der Stechroche.
La Pastenague.
The Fire Flaire.

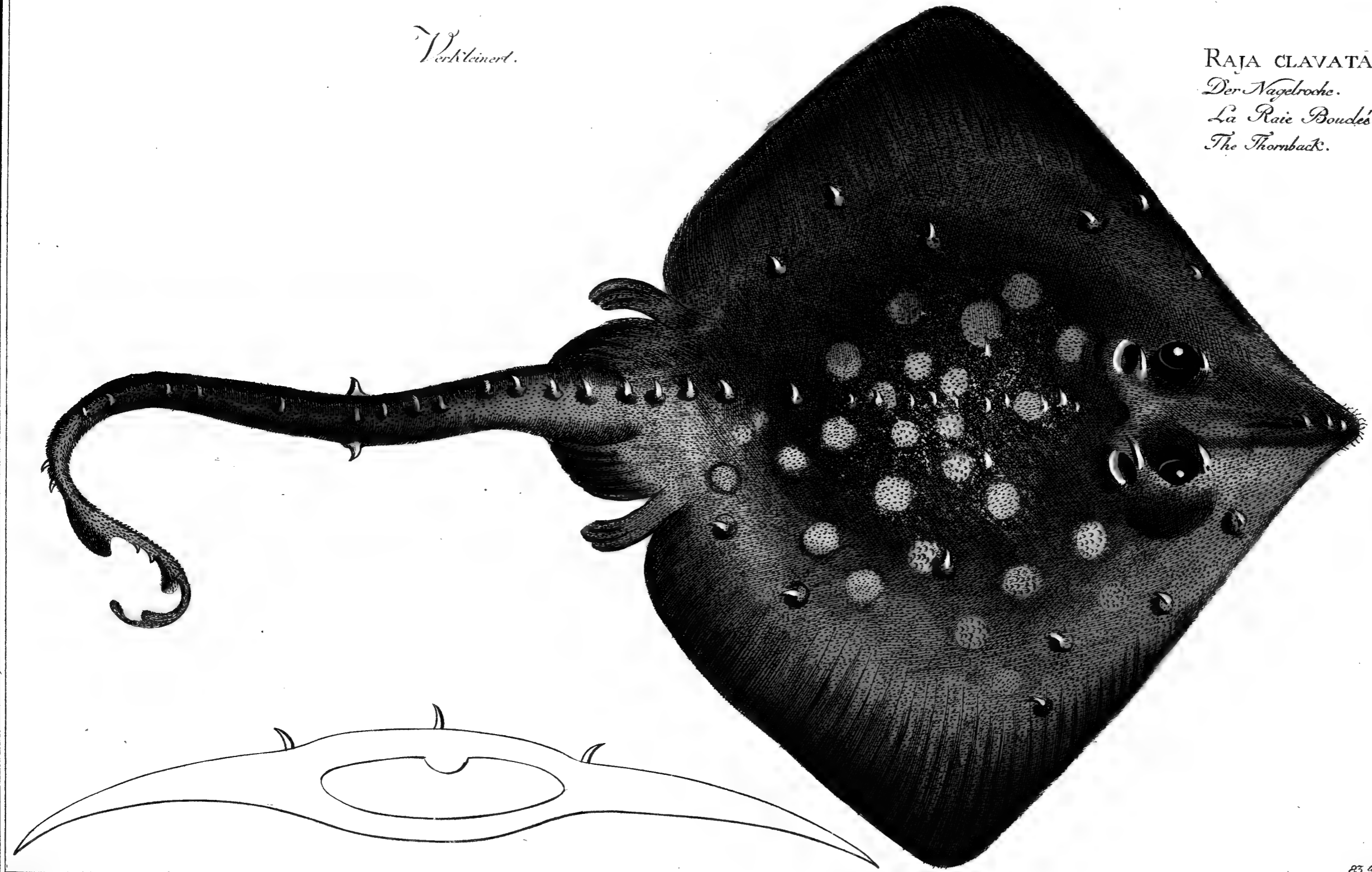
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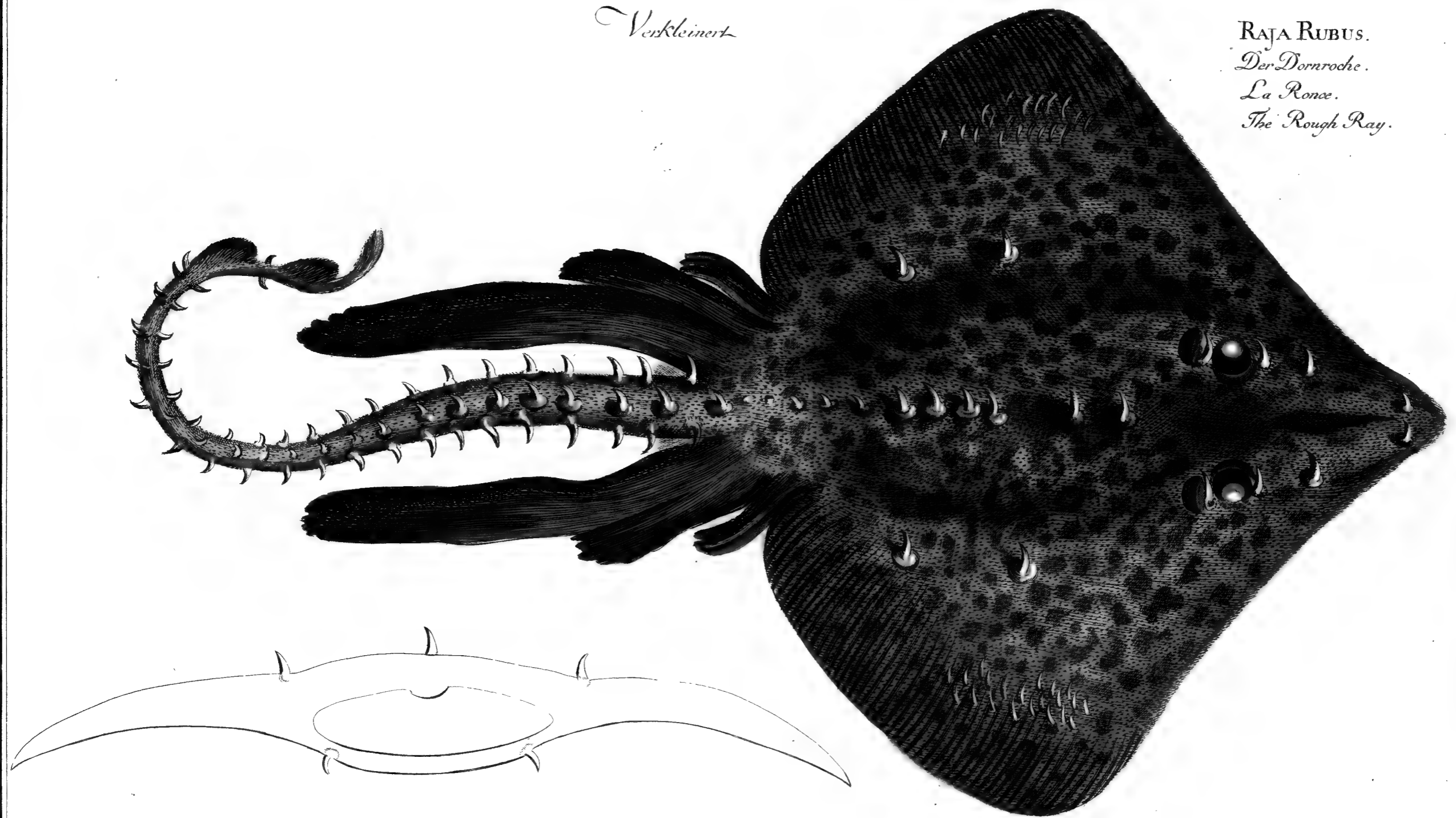
RAJA CLAVATA.
Der Nagelroche.
La Raie Boudés.
The Thornback.



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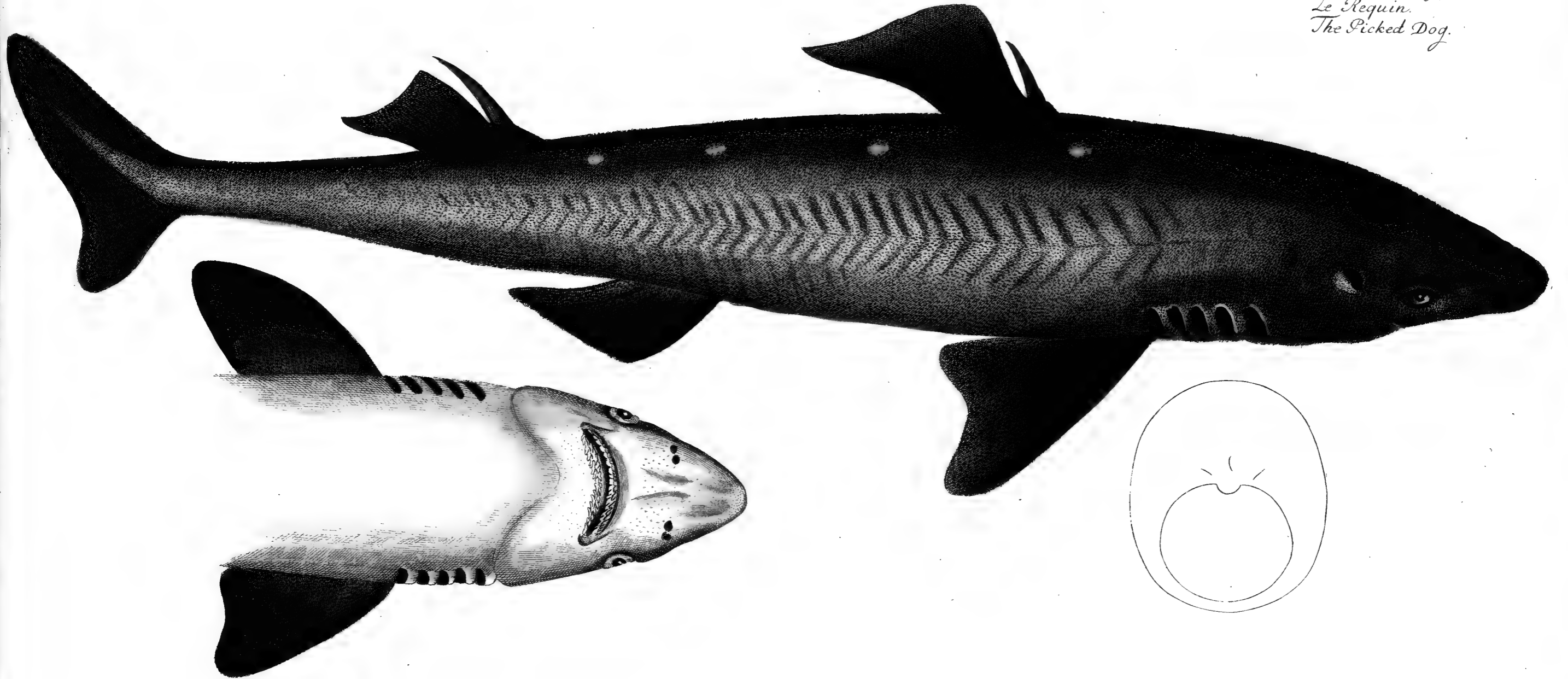
RAJA RUBUS.
Der Dornroche.
La Ronce.
The Rough Ray.



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SQUALUS ACANTHIAS.
Der Dornbaay.
Le Requin.
The Picked Dog.



Krüger jun. del.

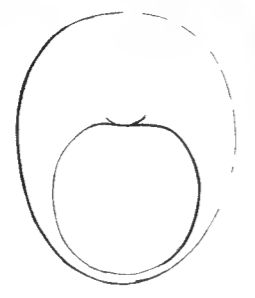
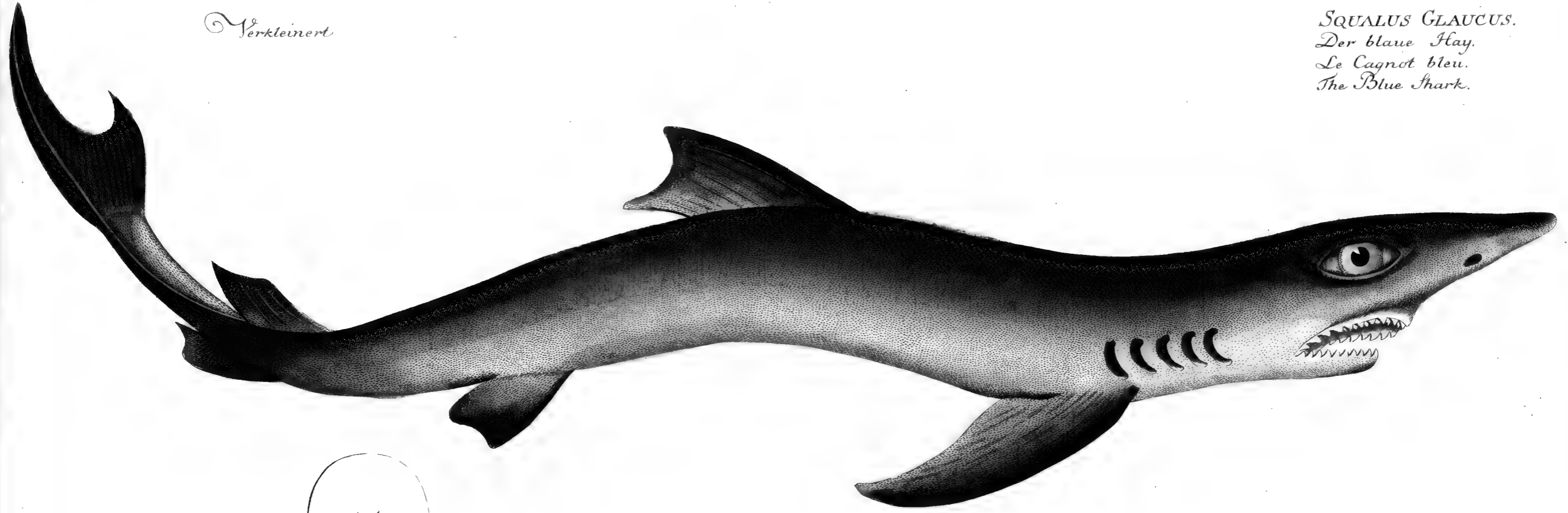
85 Taf.

F. Berger Sc.

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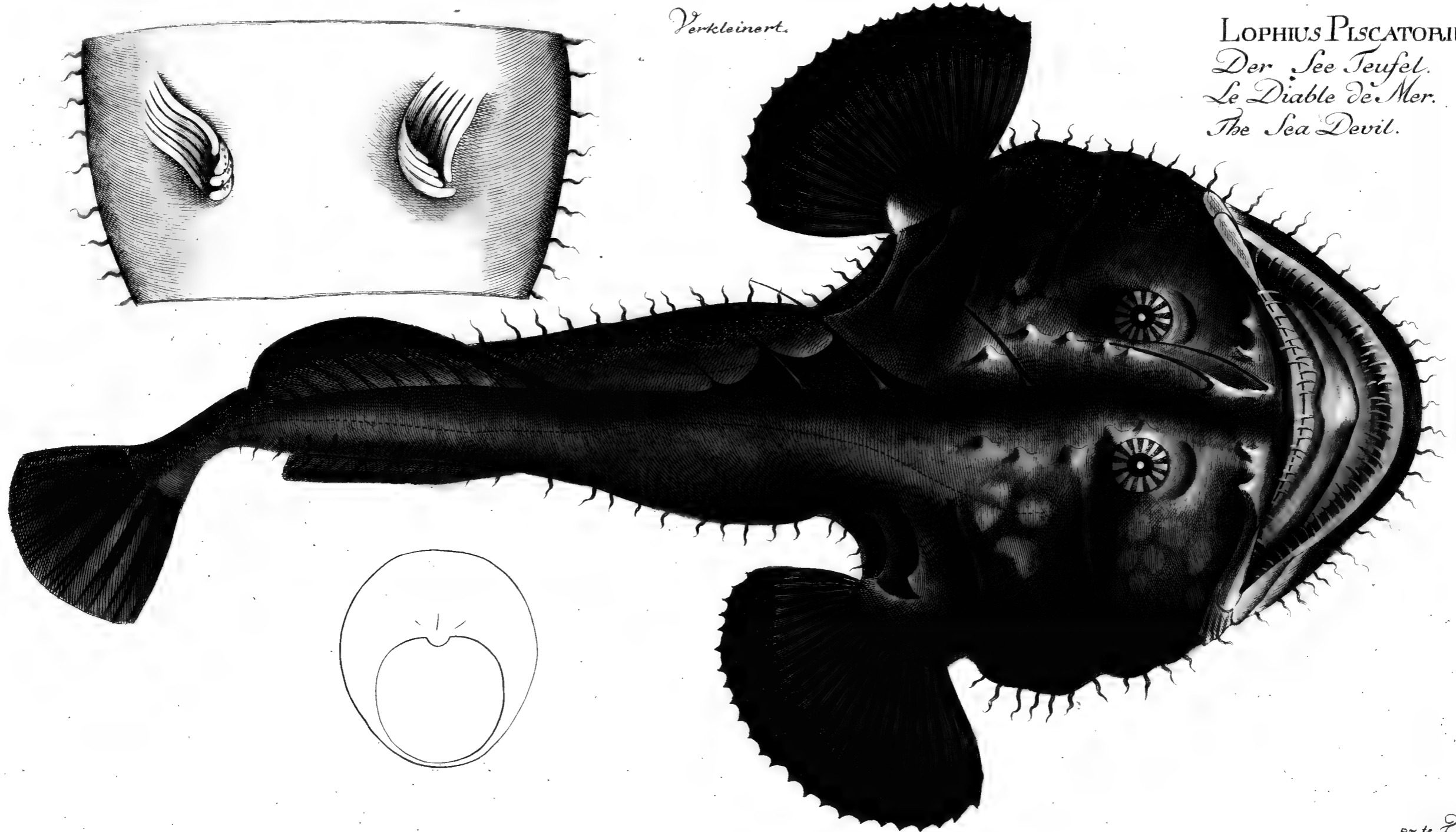
SQUALUS GLAUCUS.
Der blaue Hai.
Le Cagnot bleu.
The Blue Shark.



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LOPHIUS PISCATORIUS.
Der See Teufel.
Le Diable de Mer.
The Sea Devil.



87^{te} Tafel.

Ludwig Schmitt sc.

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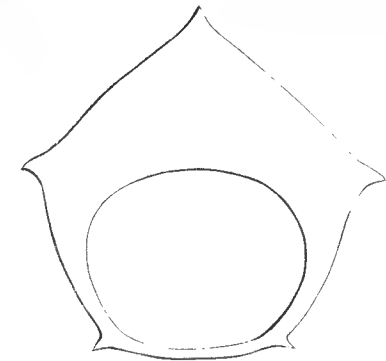
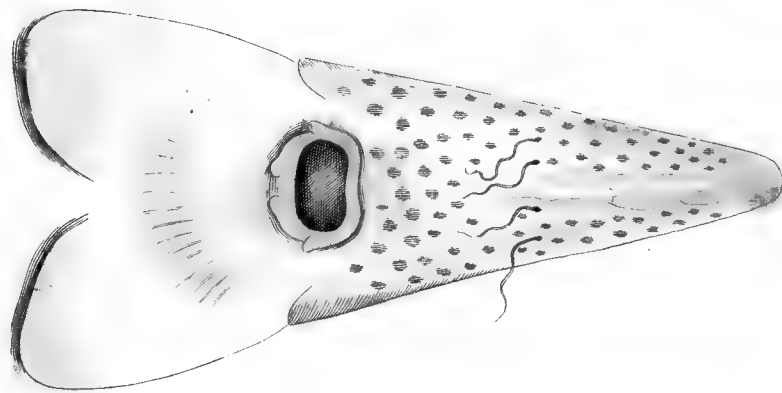
ACIPENSER STURIO.

Der Stoer

L'Esturgeon.

The Sturgeon.

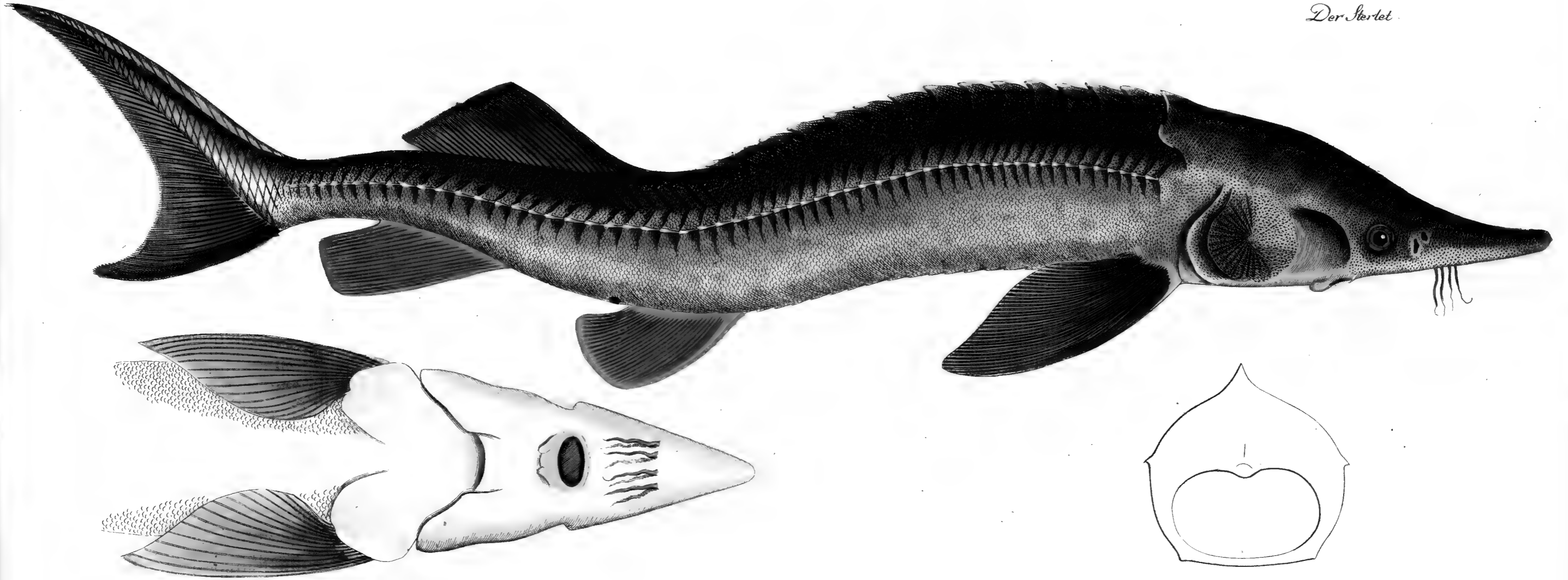
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ACIPENSER RUTHENUS
Der Sterlet.



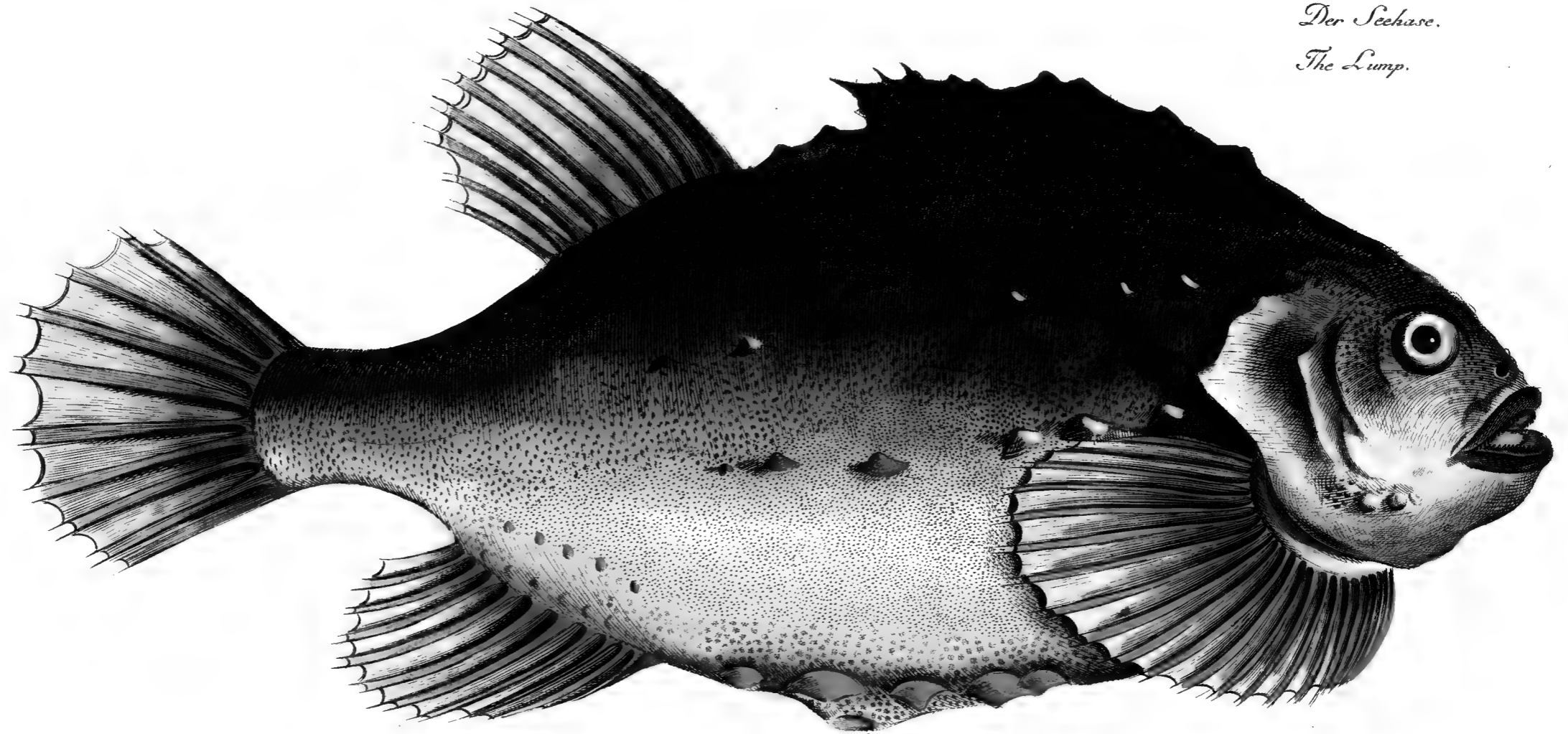
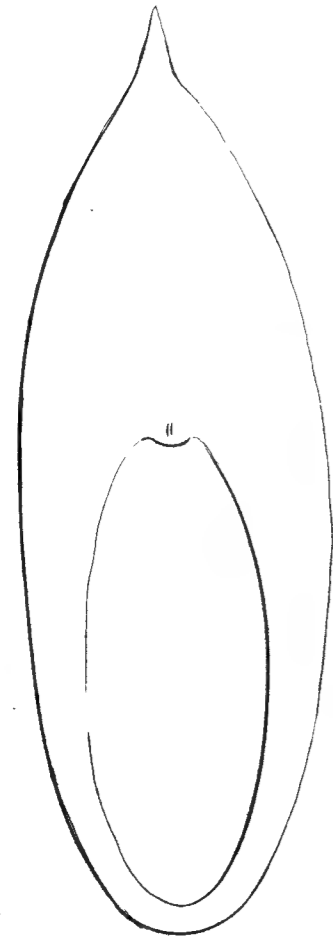
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CYCLOPTERUS LUMPUS.

Der Seehase.

The Lump.

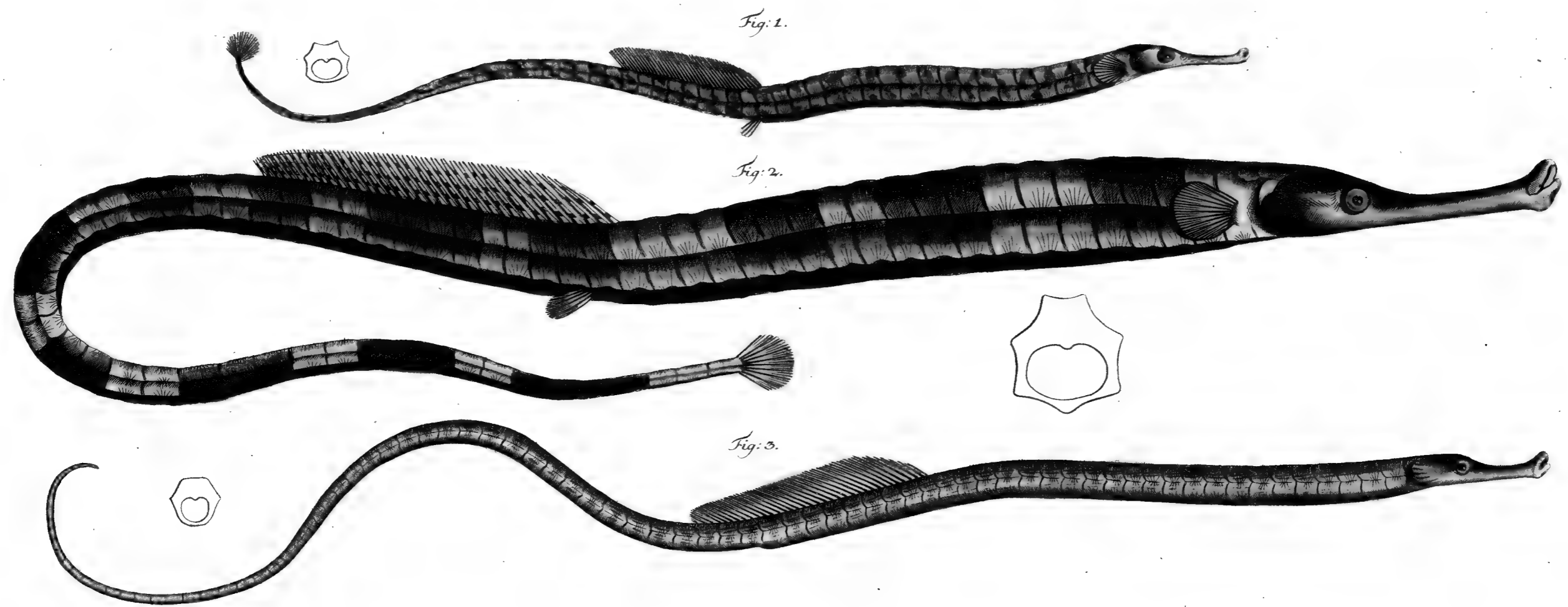


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Fig: 3.
SYNGNATHUS OPHIDION.
Die Meerschlange.
La Vipere de Mer.
The Sea Adder.

Fig: 2.
SYNGNATHUS ACUS.
Die Trompete.
La Trompète.
The Pipe Fish.

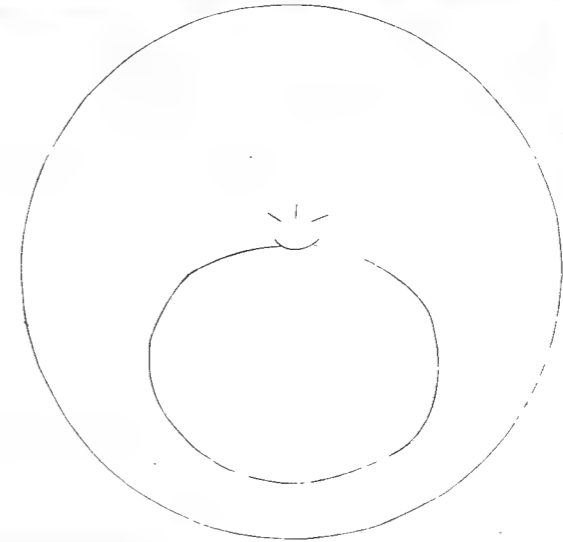
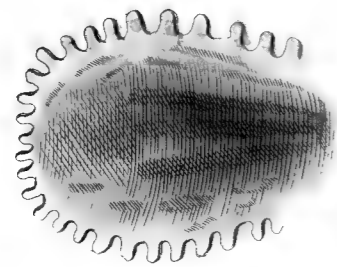
Fig: 1.
SYNGNATHUS TYPHLE.
Die Meernädel.
L'Aiguille de Mer.
The Needle Fish.



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DELPHINUS PHOCOENA
Der Braunfisch
Le Marfouin
The Porpoise



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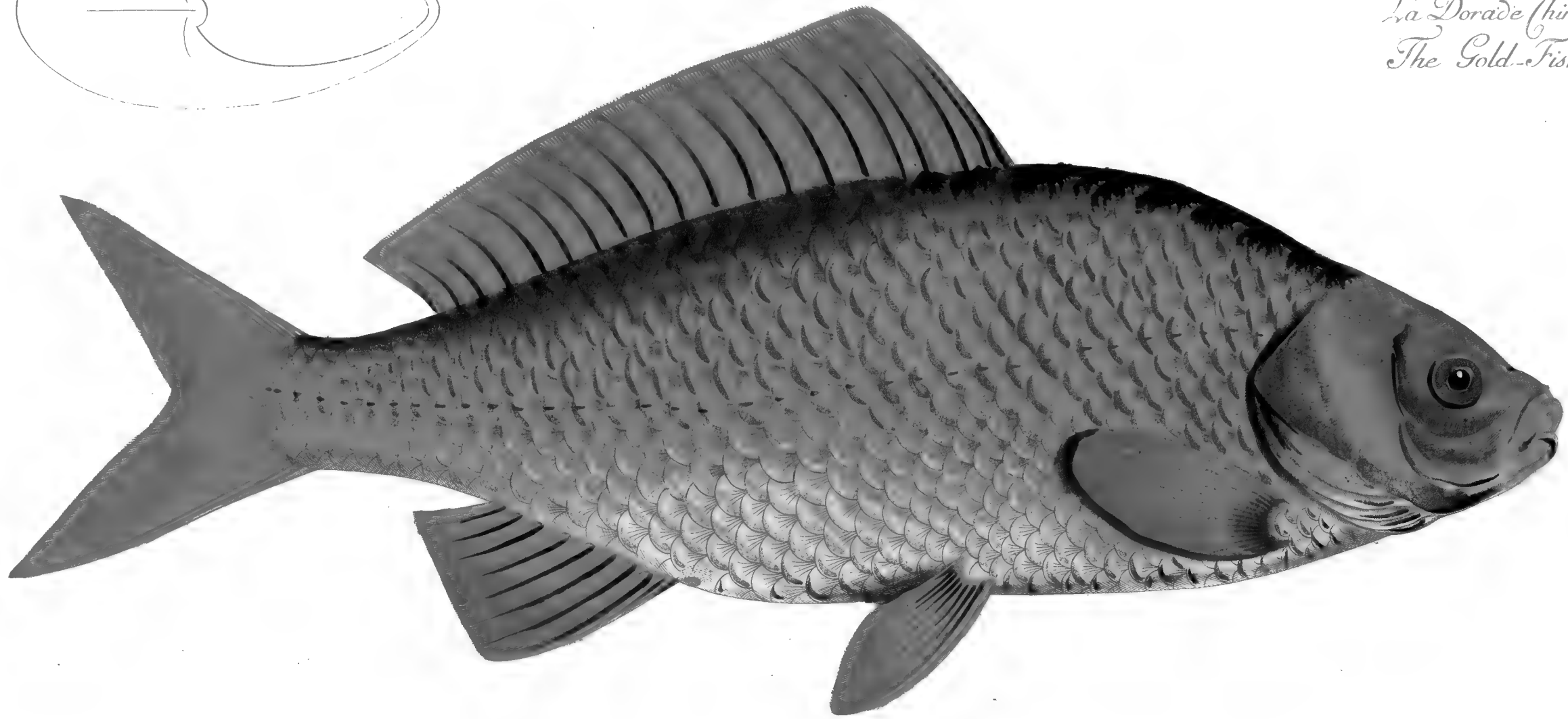
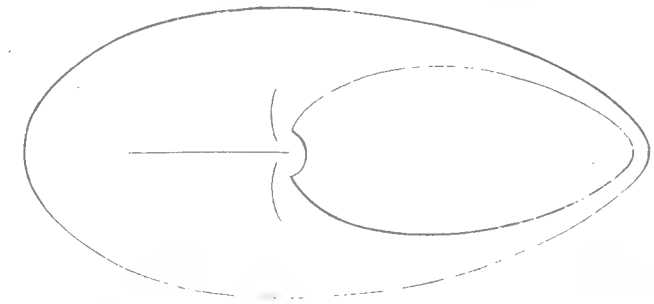
Natürliche Größe.

CYPRINUS AURATUS.

Der Gold-Karpfen.

La Dorade Chinoise.

The Gold-Fish.



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Cyprinus Auratus variat
Der Goldkarpfen.
Le Kin-yu.
The Gold Fish

Fig. 1.

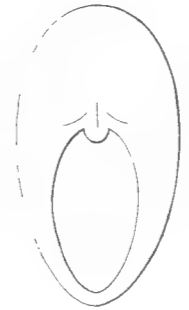
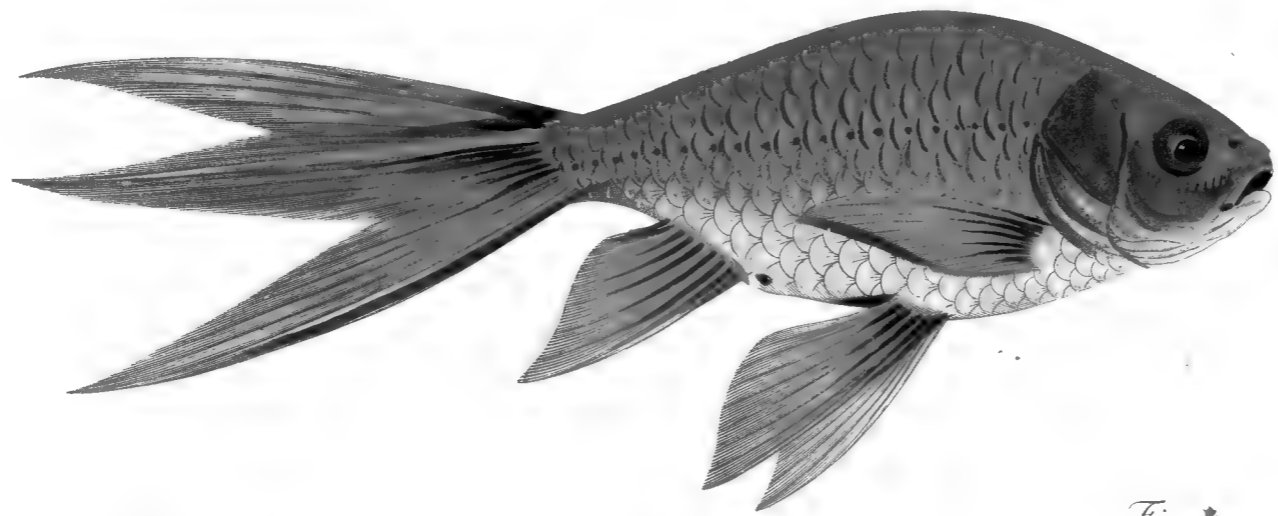
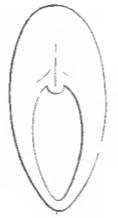
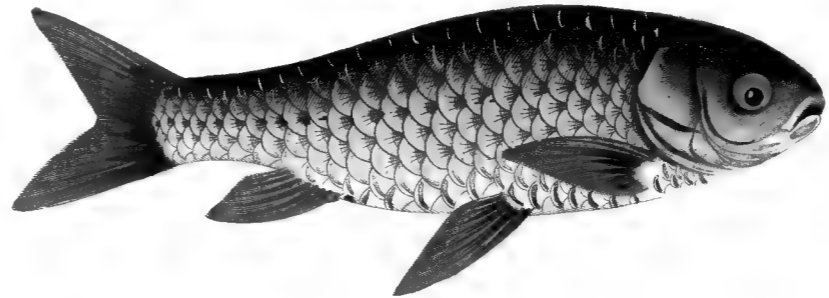


Fig. 2.



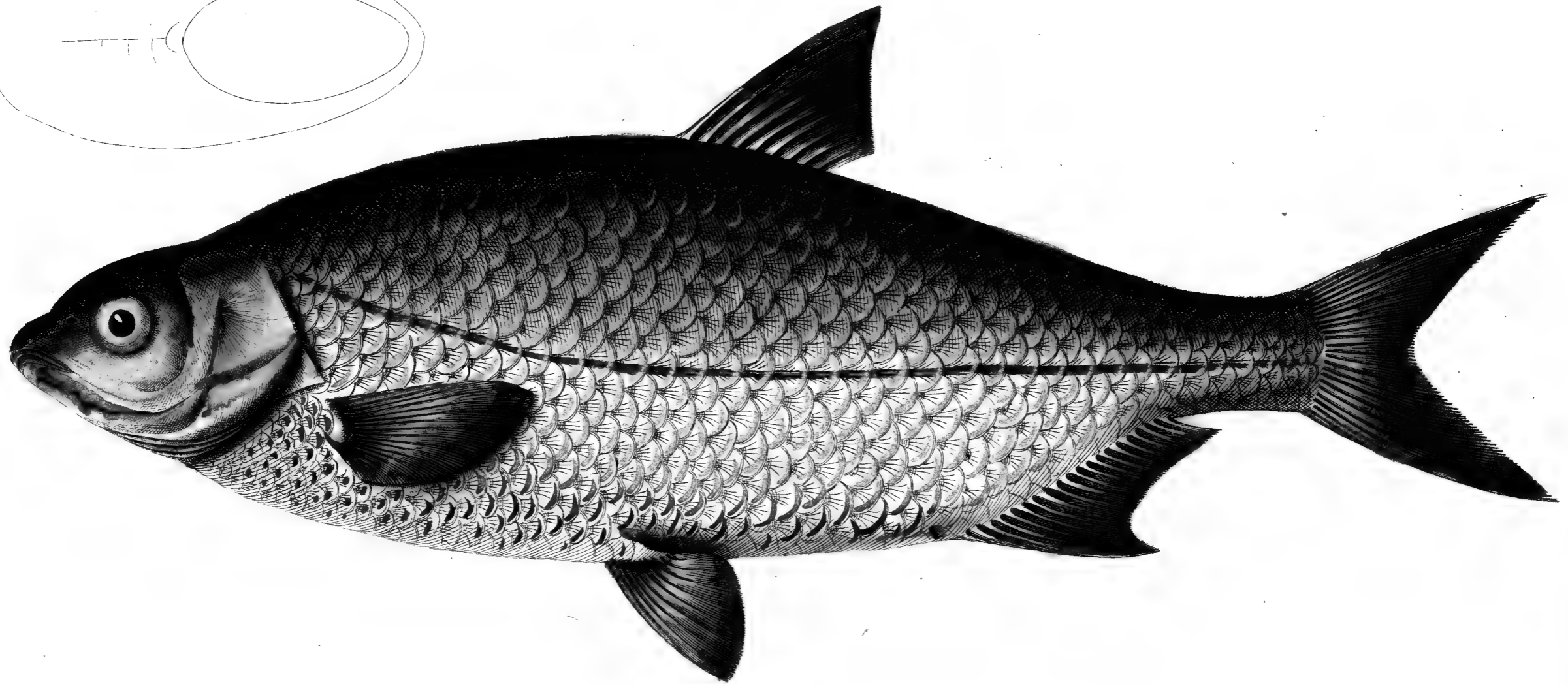
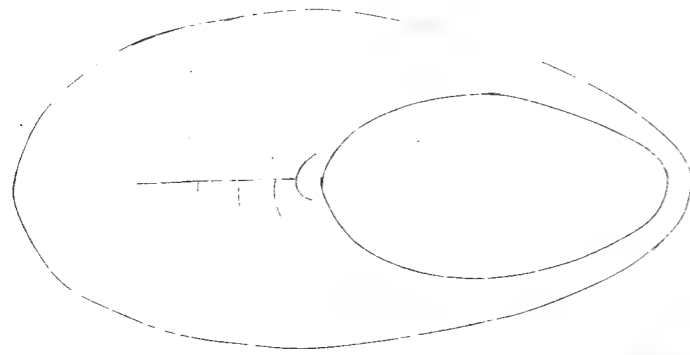
Fig. 3.



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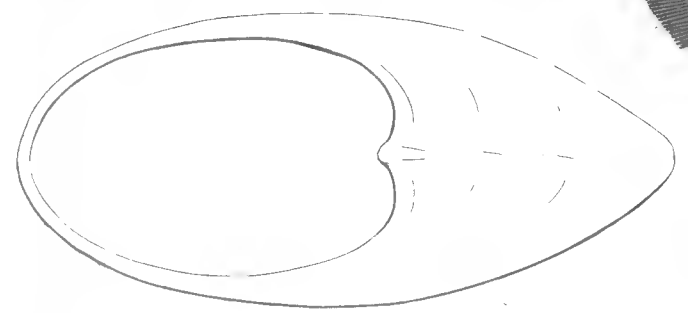
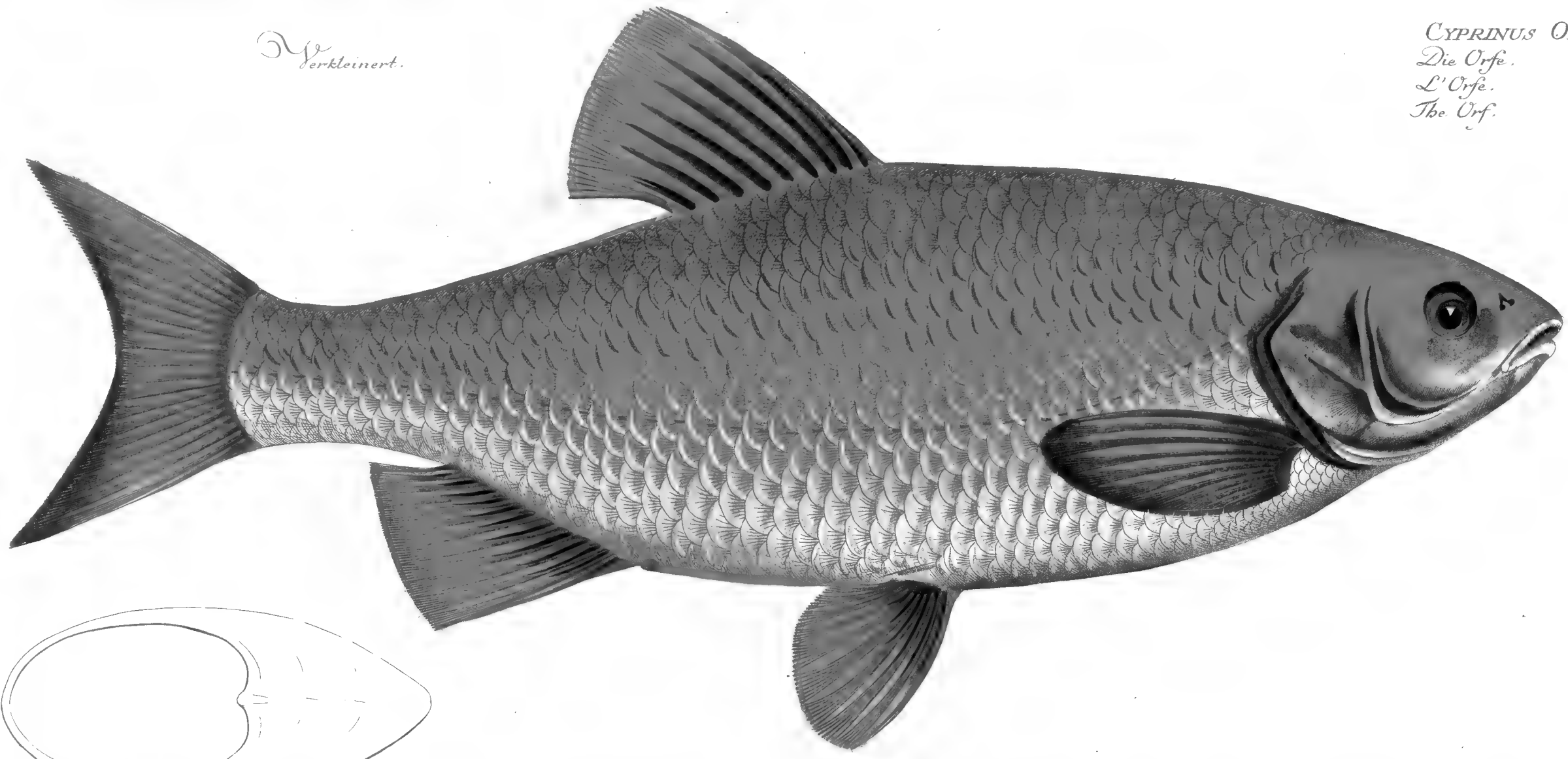
CYPRINUS BUGGENHAGII
Der Leiter



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CYPRINUS ORFUS.
Die Orfe.
L'Orfe.
The Orf.

3/4
Verkleinert.

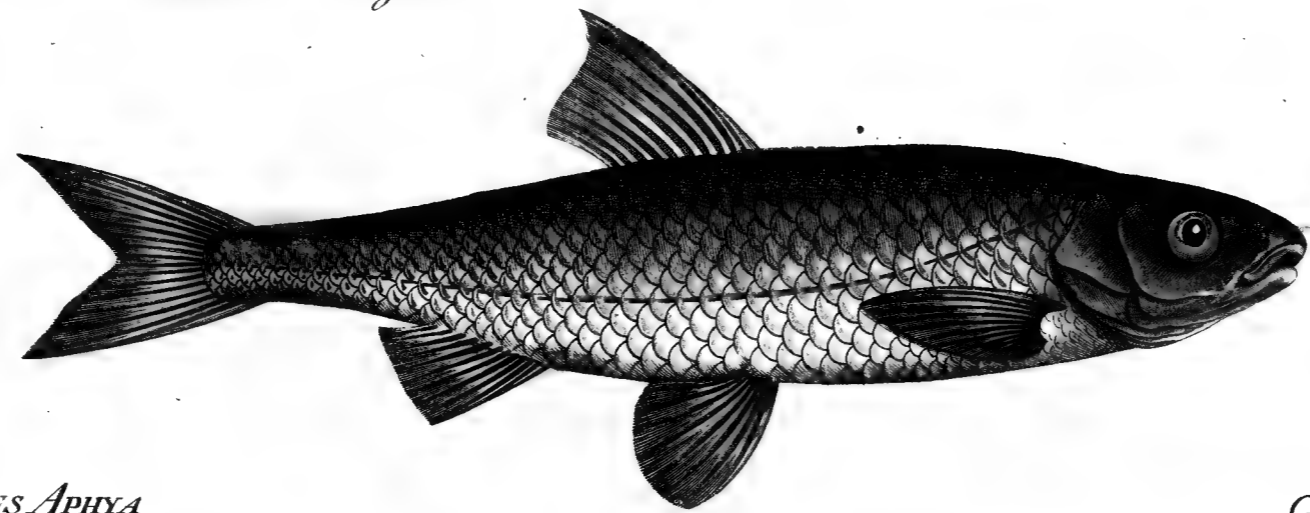
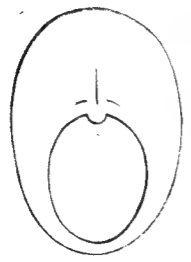


96^{te} Taf.

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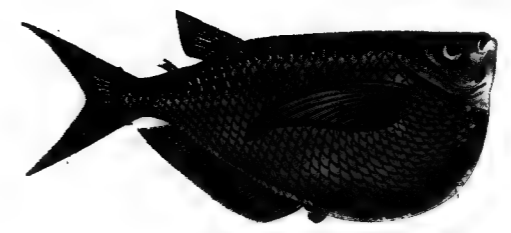
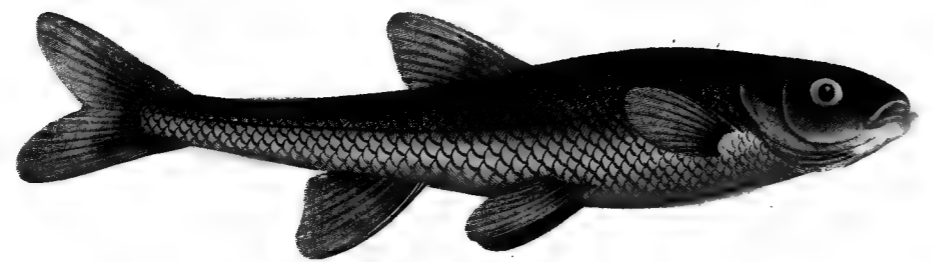
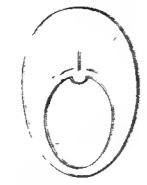
Natürliche Größen.

CYPRINUS LEUCISCUS.
Der Lauben.
La Vandoise.
The Dace.



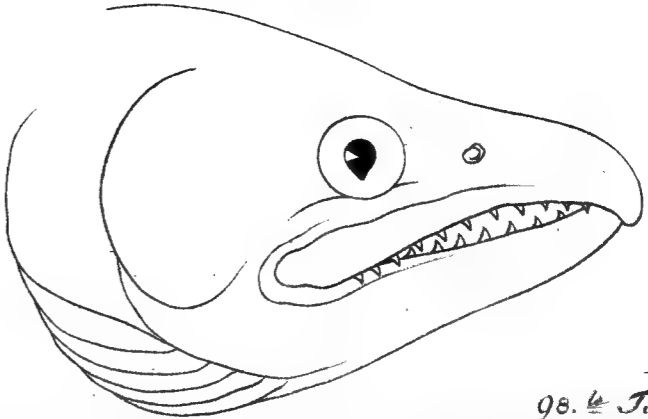
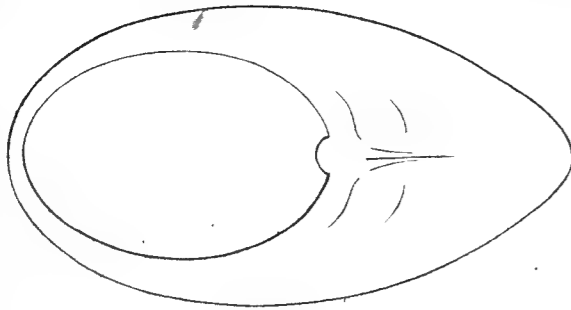
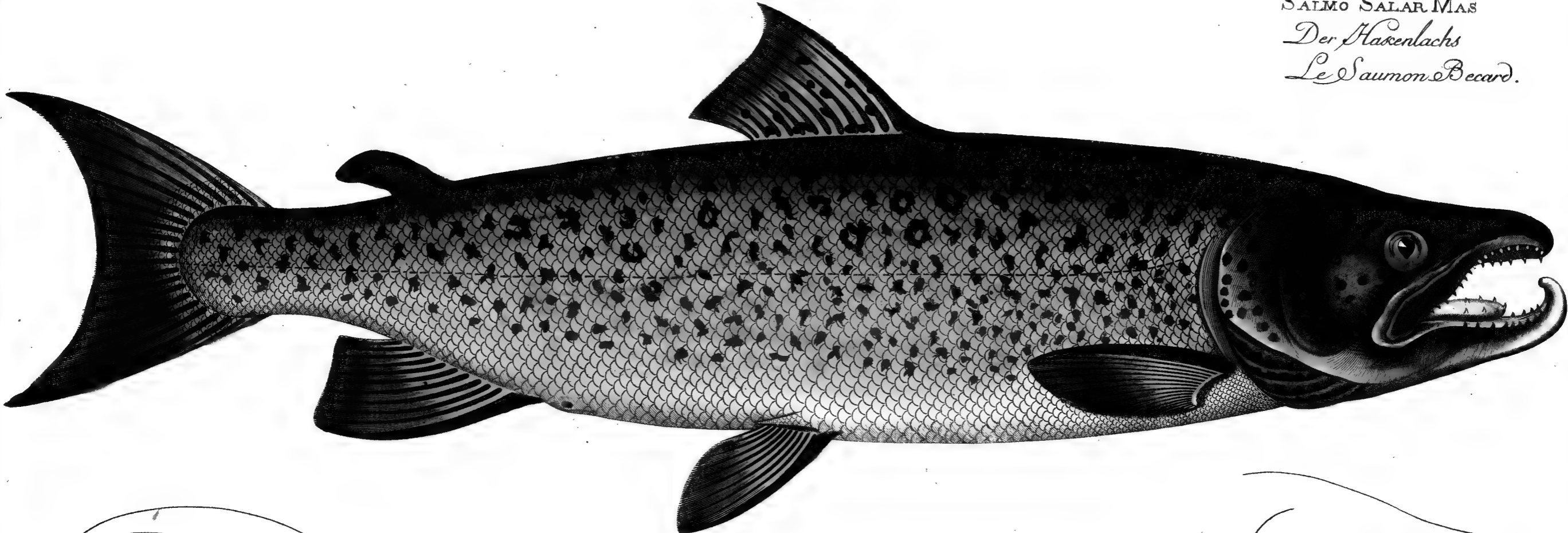
CYPRINUS APHYA
Der Spirling
L' Aphie

GASTEROPELECUS.
Das Gärtnermesser.
La Serpe.



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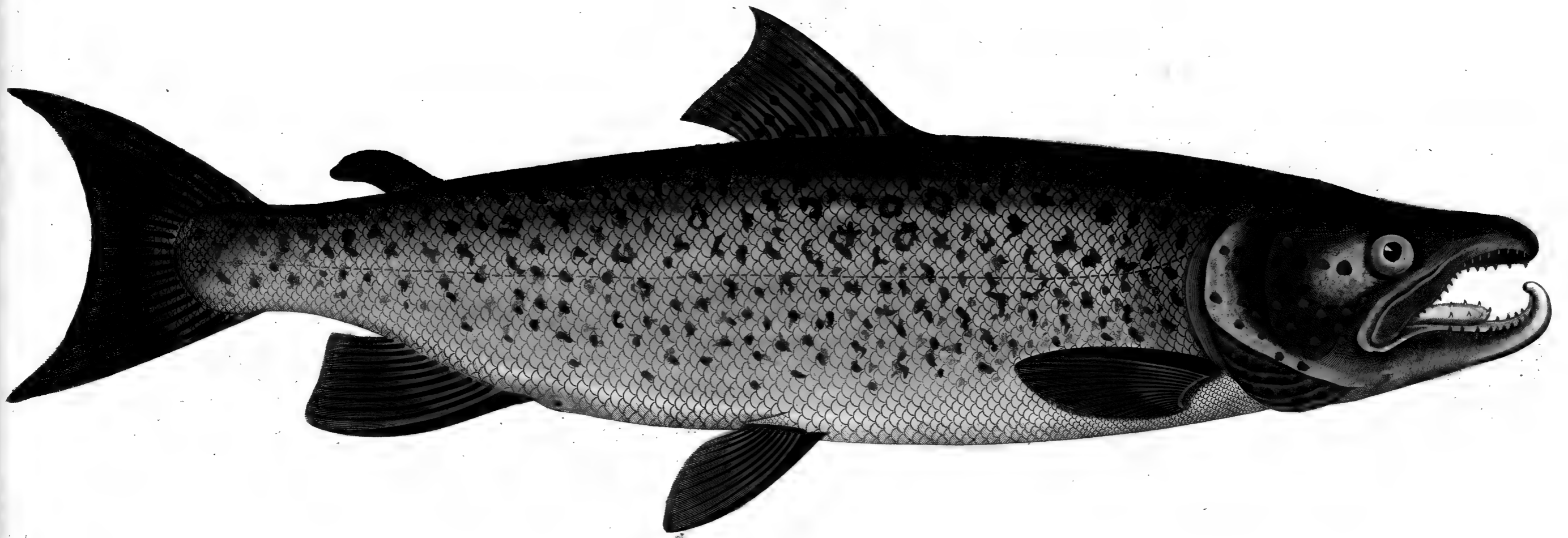
SALMO SALAR MAS
Der Hasenlachs
Le Saumon Becard.



Kruger jun. del.

98. 4 Taf.
Bodensch. jr.

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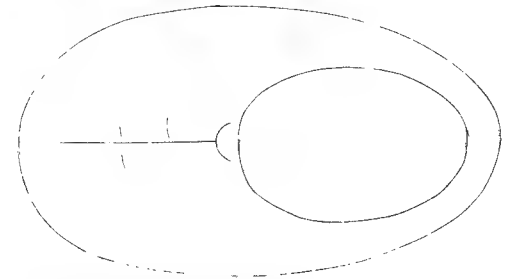
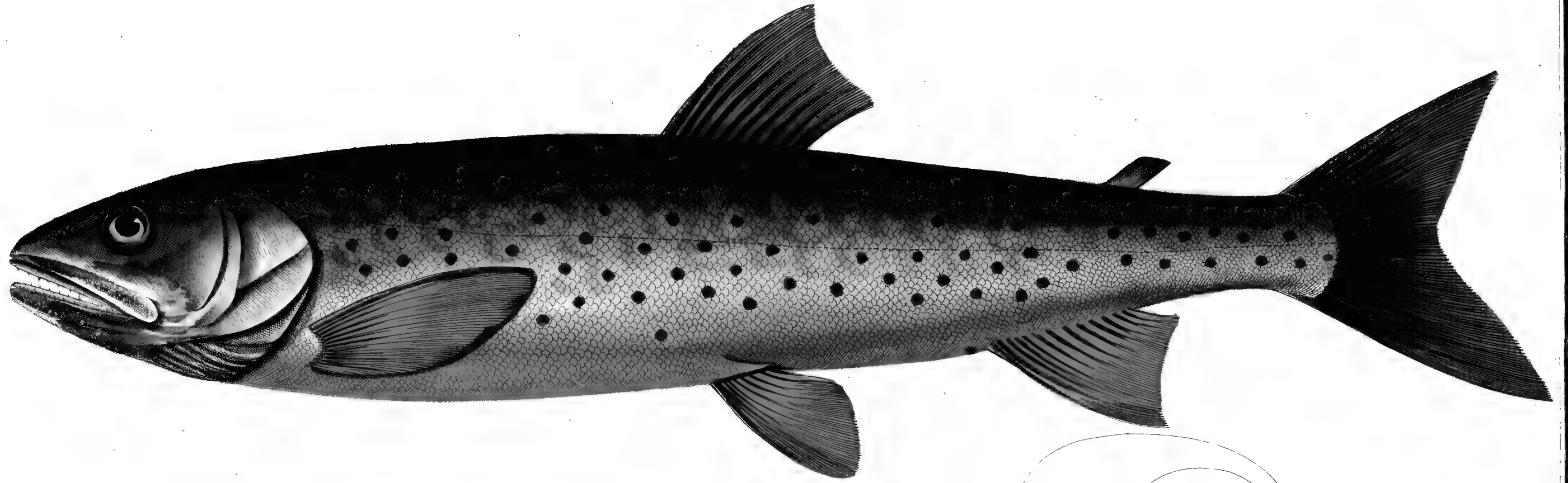
*Der Merckwürdige Kupferlachs welcher gefangen den 12. Februar. 1787.
zu Berlin in der Spree am Weidendam 3 $\frac{1}{2}$ Fuß lang 9 Zoll breit.
F. W. Schmidt jun. sc.*

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SALMO SALVELINUS

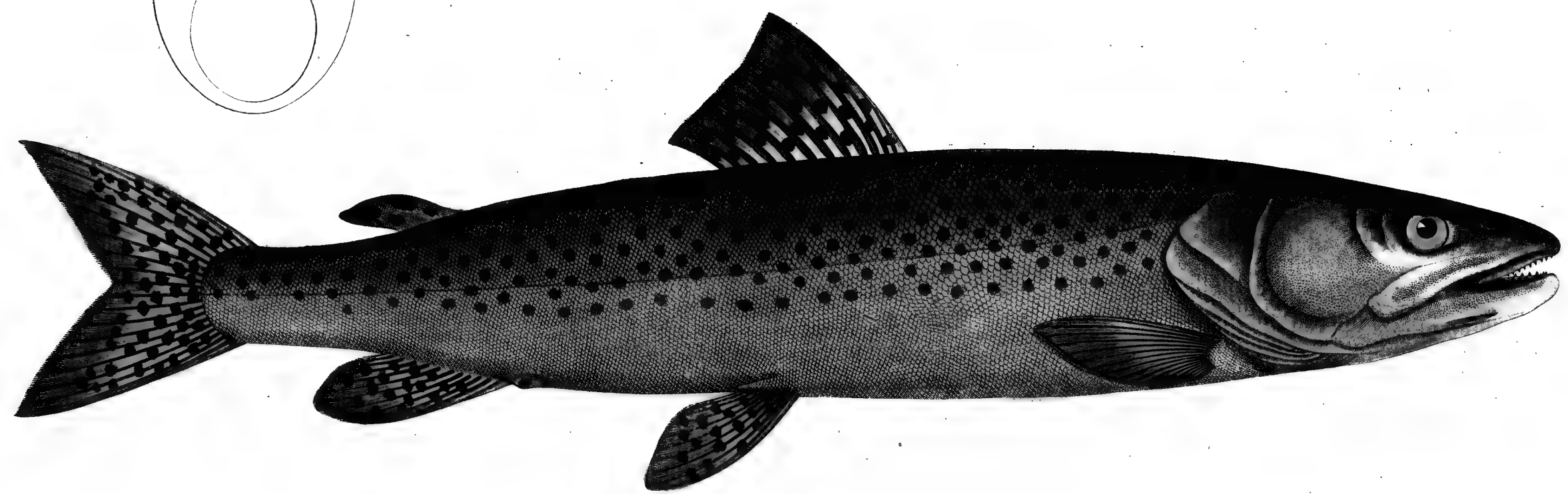
Der Salbling
L'Omble



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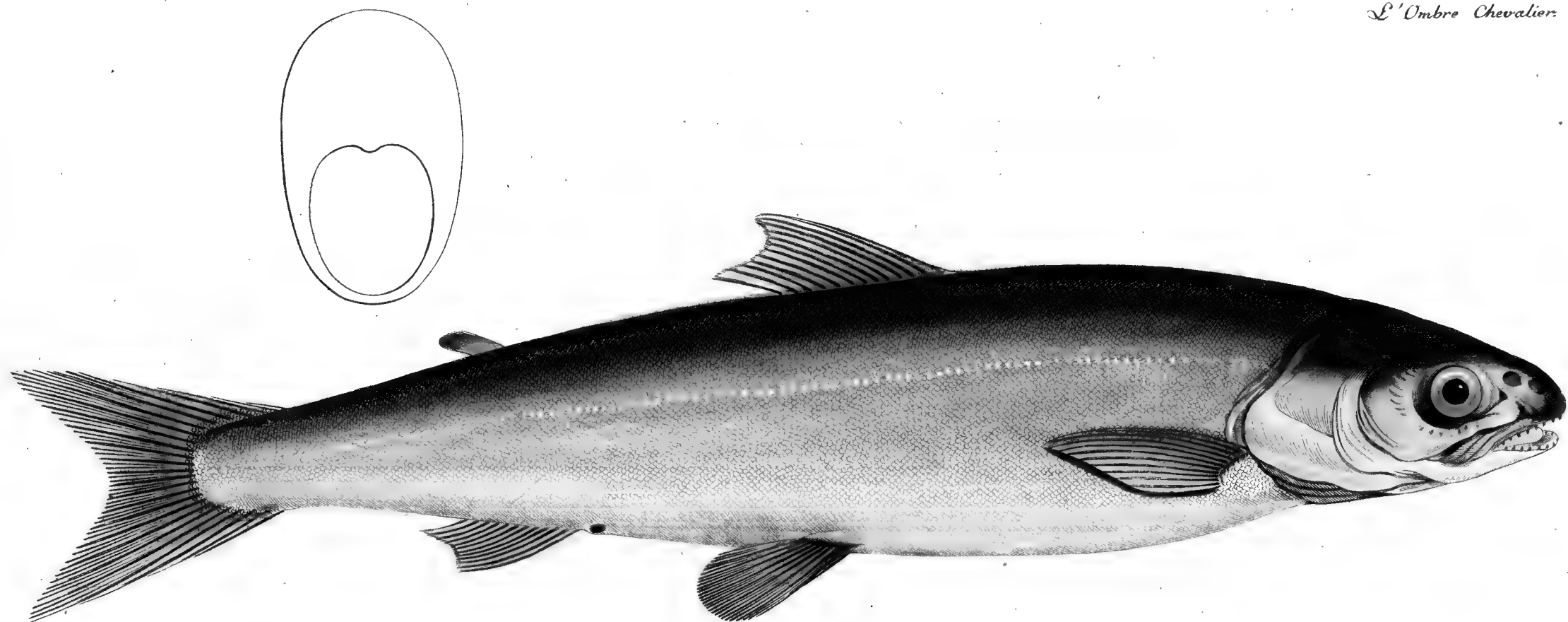
Verkleinert.

SALMO HUCHIO
Der Heuch
Le Heuch



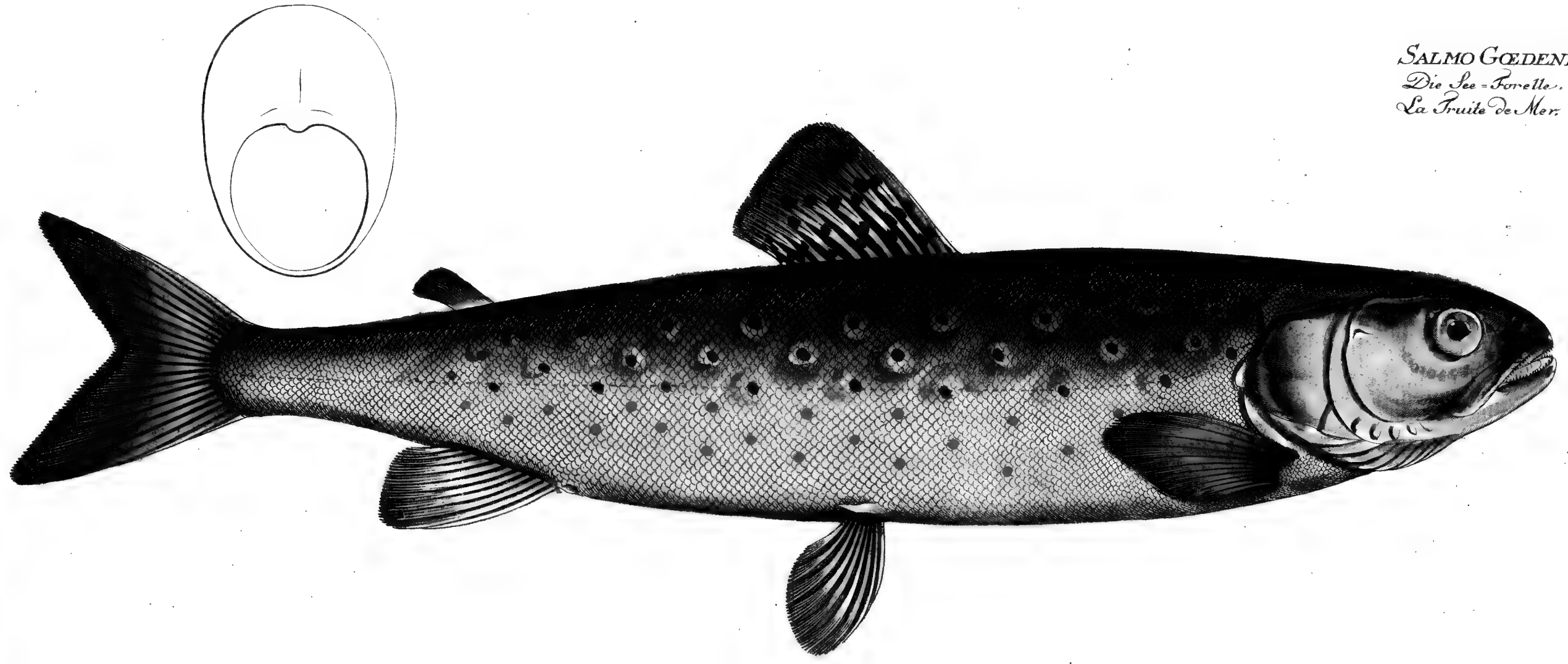
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SALMO UMBLA.
Der Ritter.
L'Ombro Chevalier.



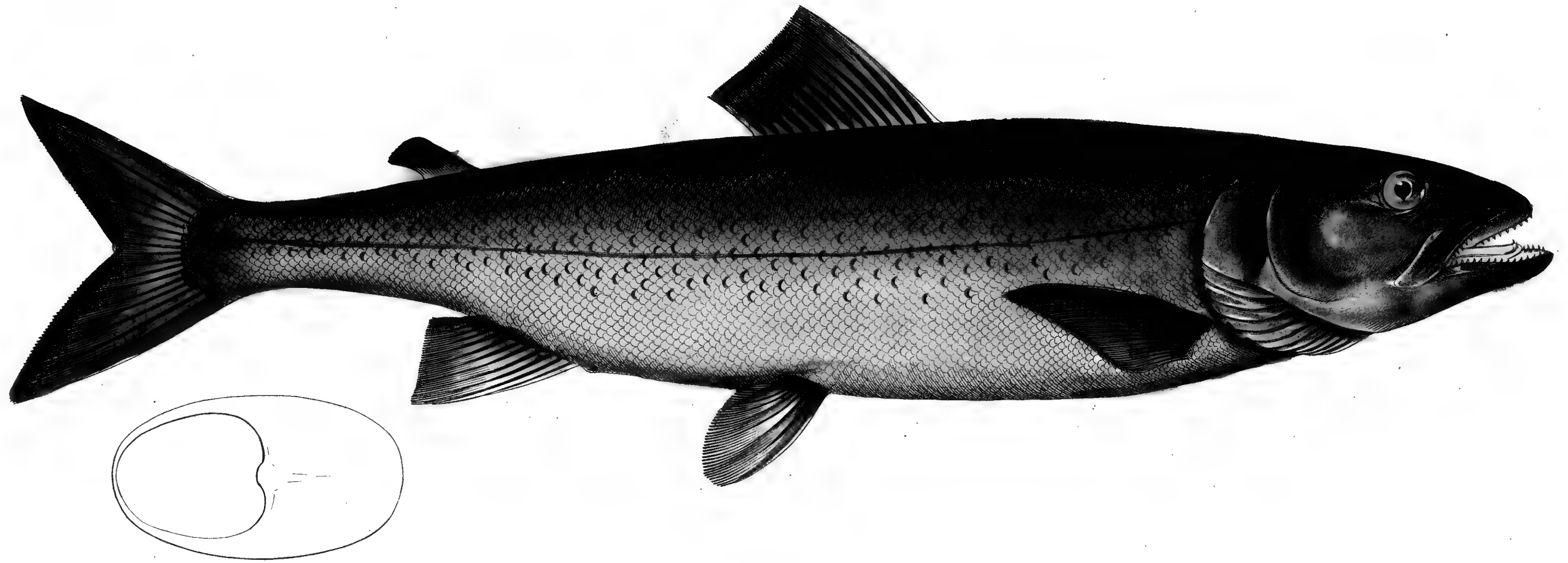
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SALMO GOEDENII.
Die See-Forrele.
La Truite de Mer.



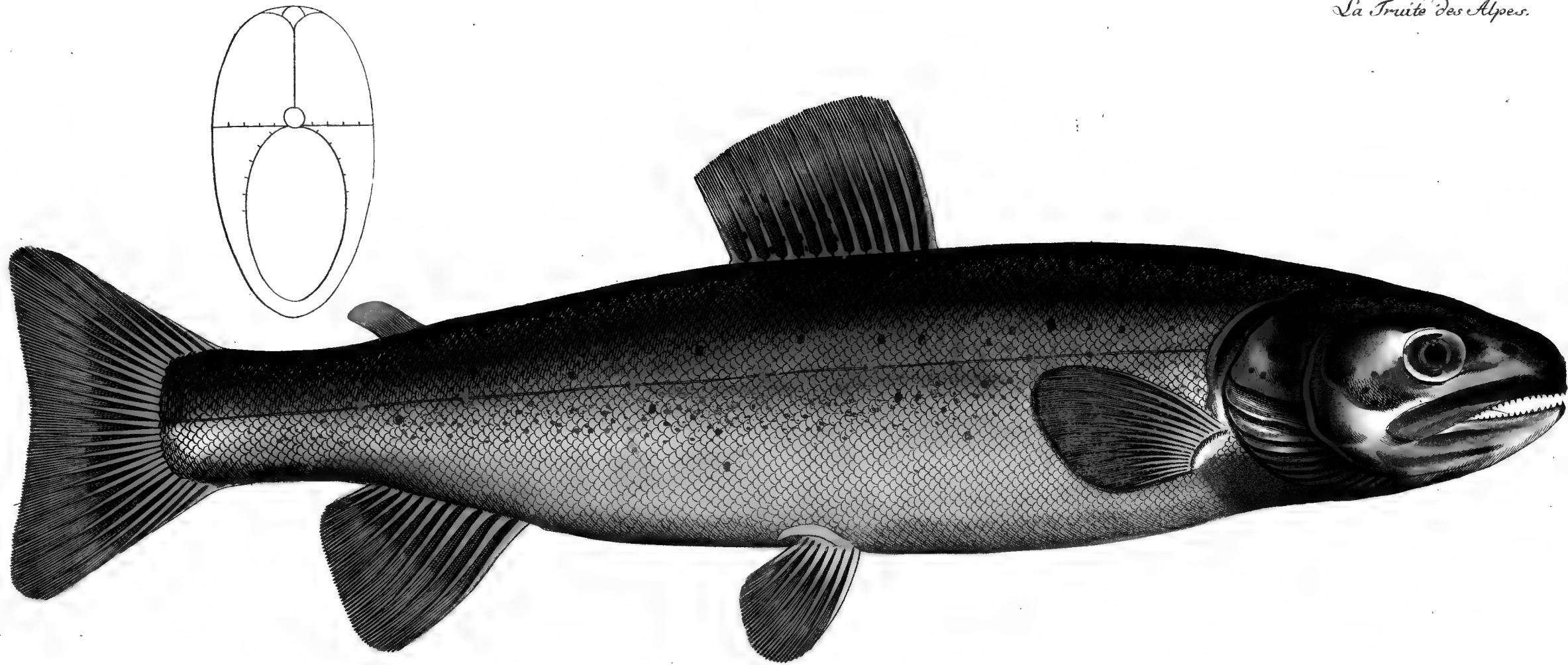
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SALMO SCHIFERMULLERI
Der Silberlachs.
Le Saumon argenté.



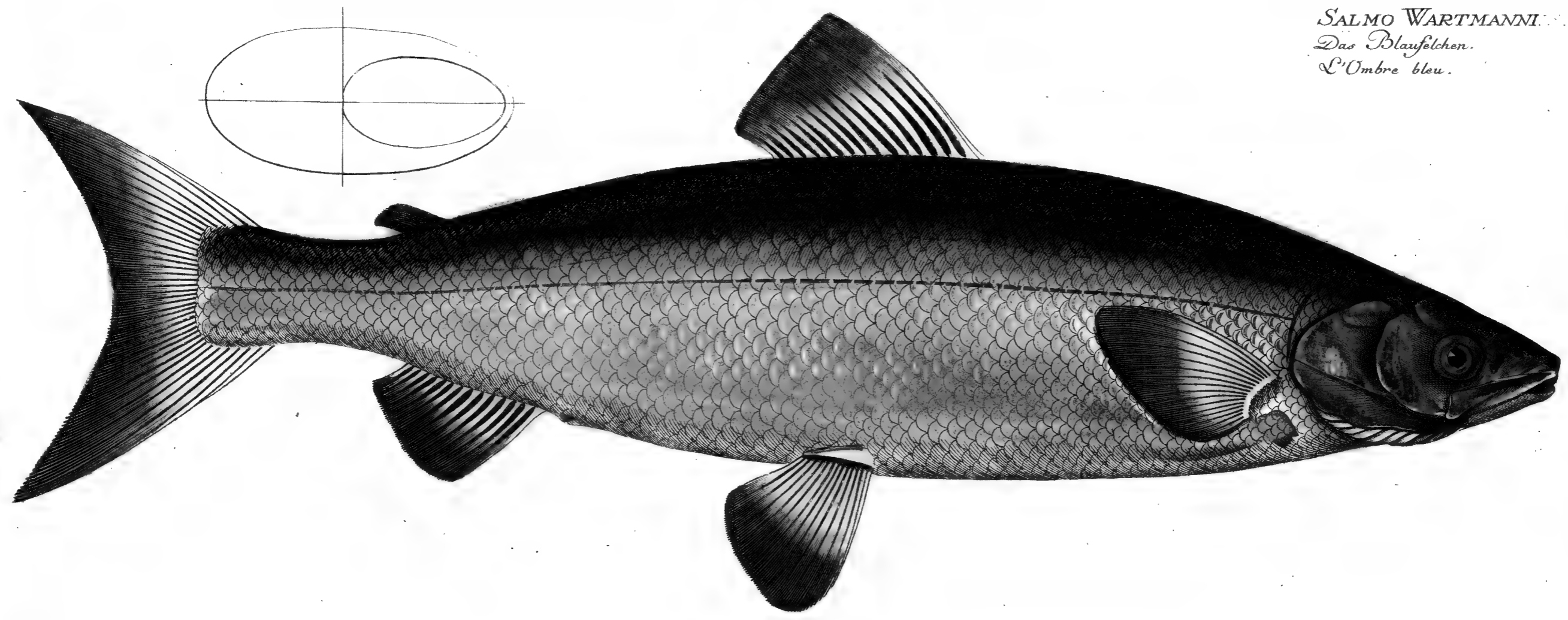
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SALMO ALPINUS.
Die Alpforelle.
La Truite des Alpes.



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SALMO WARTMANNI.
Das Blaufelchen.
L'Ombre bleu.



W. Hartmann del.

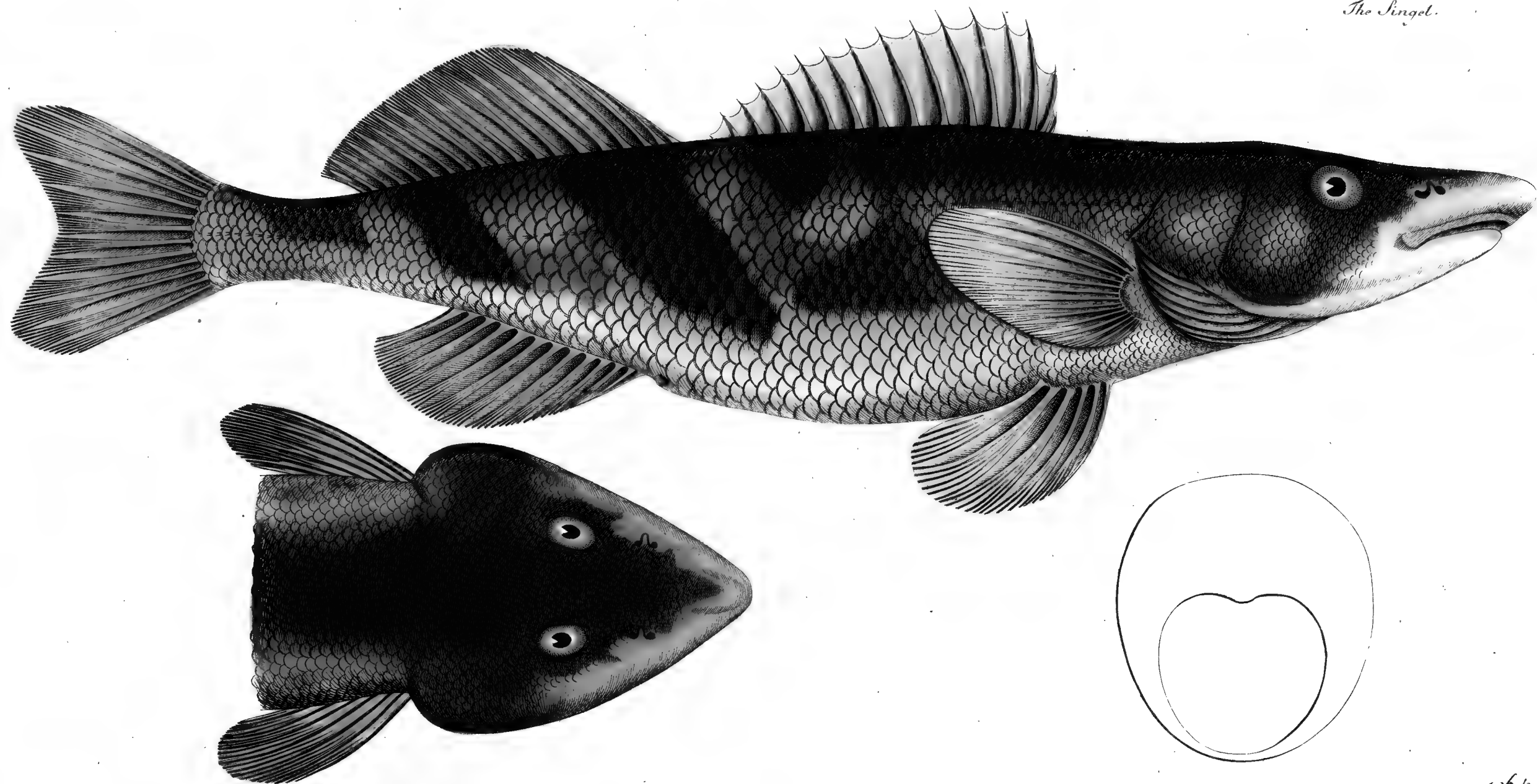
105. ^{te} Taf.

Ludwig Schmidt sc.

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PERCA ZINGEL.
Der Zingel.
Le Cinglo.
The Singel.



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Fig. 1. 2. *PERCA ASPER*...
Der Streber.
L'Apron.

Natürliche Gröſſen,

Fig. 3. *GوبيUS JOZO*.
Die Blaugrundel.
Le Goujons bleu,
The blue Goby.

Fig. 1.

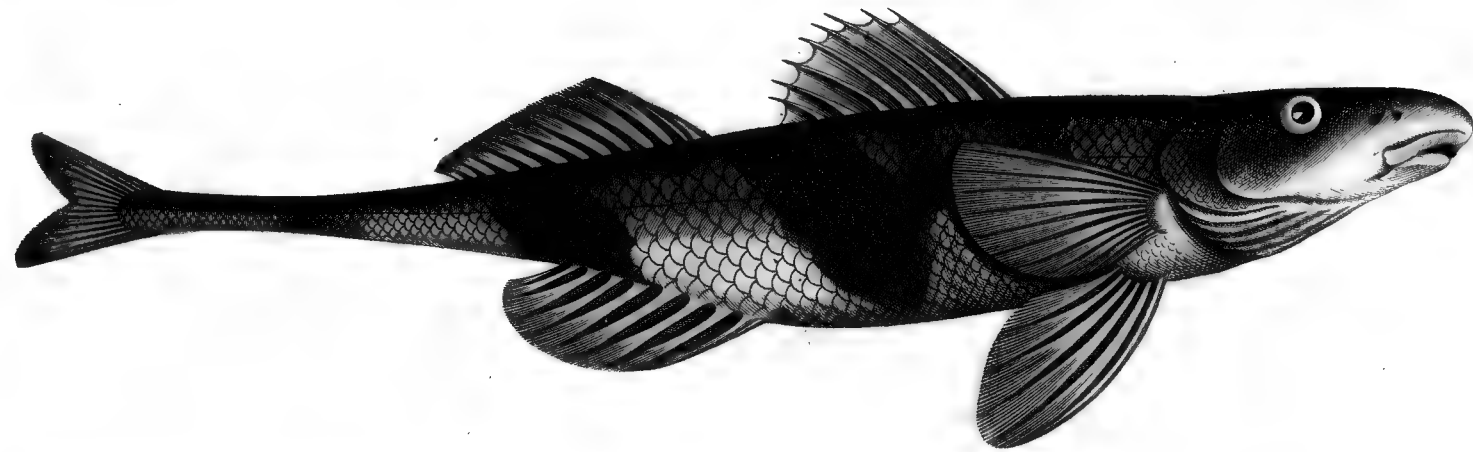
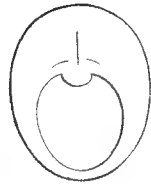
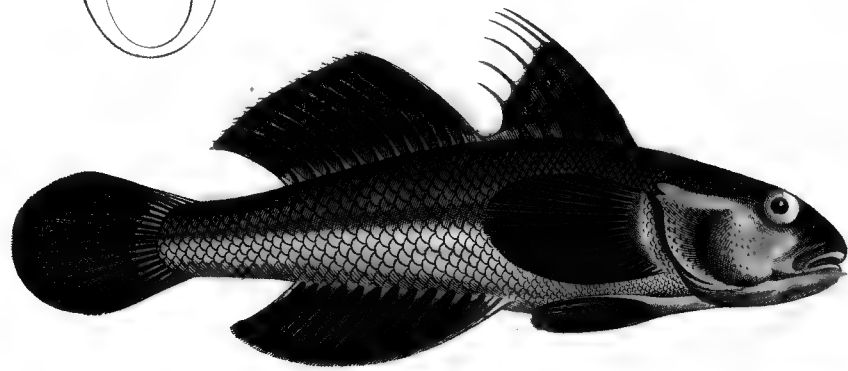


Fig. 2.

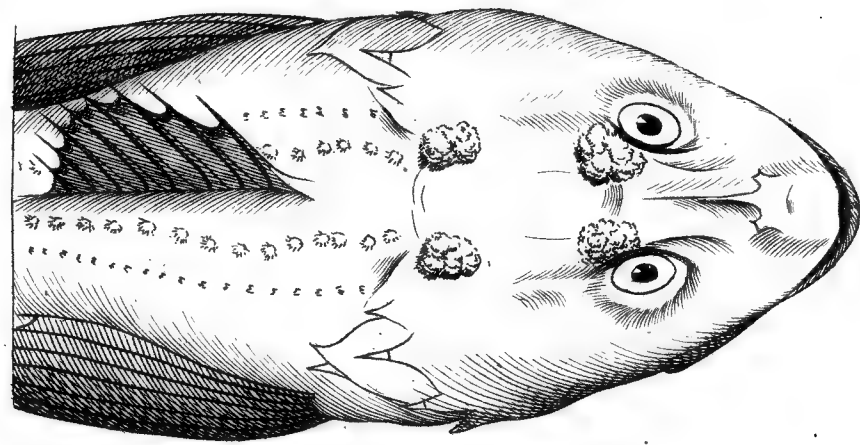
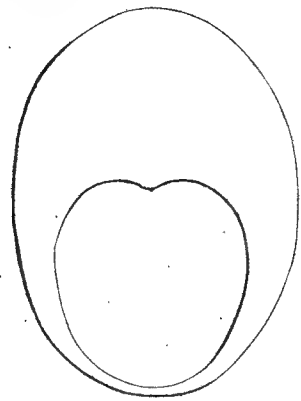
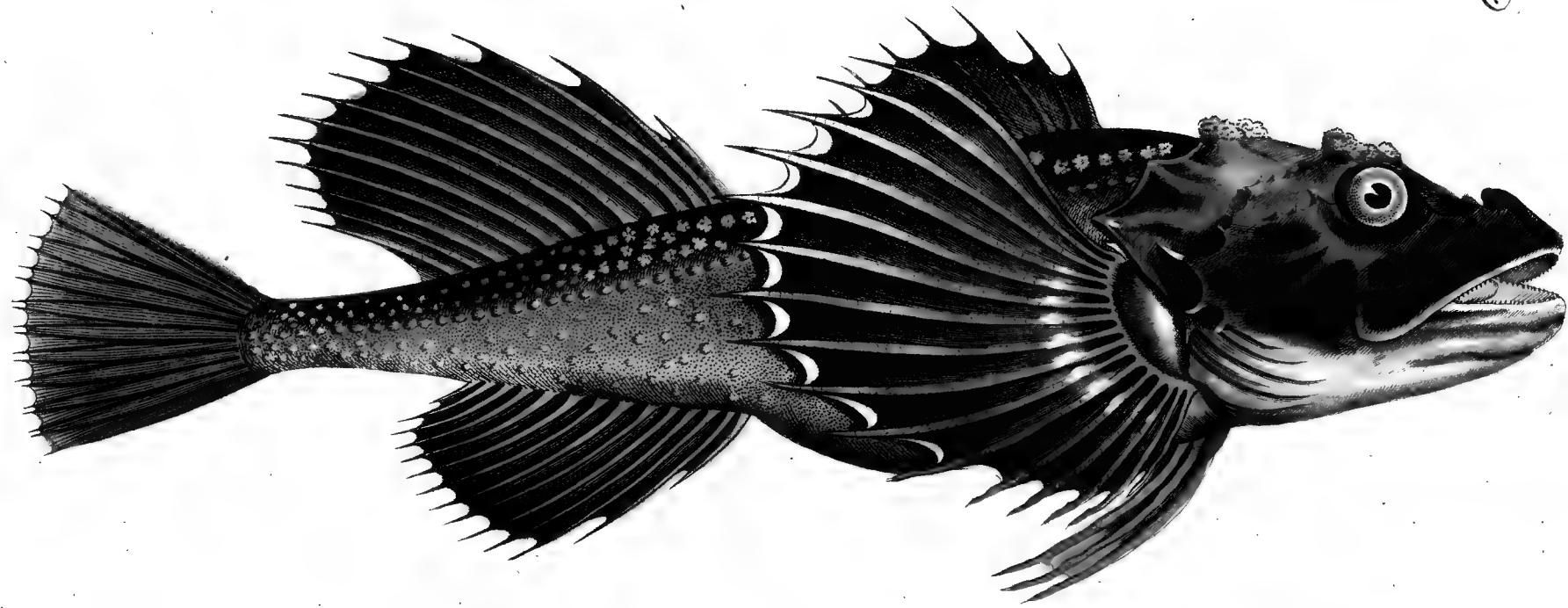


Fig. 3.



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COTTUS QUADRICORNIS.
Der Seebull.
La Quatre-corne.



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