

Tab. I. *Cynips aurata* Panzer.

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- 7. *Chrysis aenea* Fabric.
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Cynips aurata Mihi.



CYNIPS aurata.

Die Gold - Gallwespe.

Cynips aurata: capite abdomineque aureis, thorace pedibusque cyaneis, antennis digitisque flavis.

Habitat Norimbergae.

Maioribus in hoc genere adnumeranda. Antennae breves moniliformes flavae. Oculi fusti. Caput igneo auratum antice excavatum nitidum, vertice transverse striato. Thorax cyaneus, punctis plurimis excavatis scaber, margine antico auratus. Scutellum cyaneum scabrum, obtusum. Abdomen ovatum, scille, aureum, nitidissimum inerme. Pedes cyanei, femoribus clavatis, tibiis subtus, tarsisque flavis. Alae aveniae, hyalinae albae, margine antico stigmate nigro aucto. Corpus subius cyanum.
a Magnitudo naturalis. b Eadem aucta. c Caput antice visum, et auctum.

Ein und funfzigstes Heft.

1862 - 1863

1863 - 1864

1864 - 1865

1865 - 1866

1866 - 1867

1867 - 1868

1868 - 1869

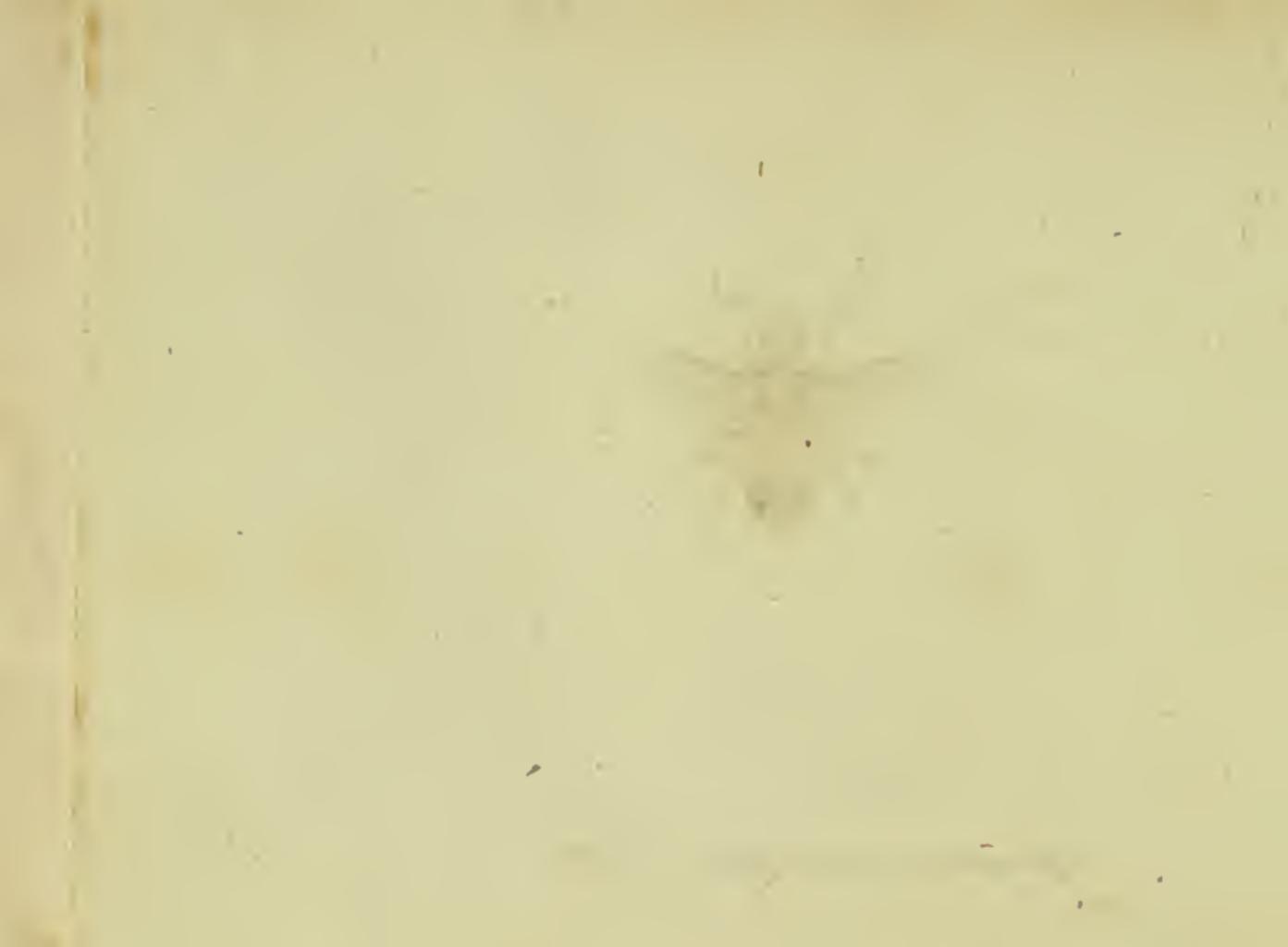
1869 - 1870

1870 - 1871

1871 - 1872



Ichneumon semiauratus Fabr.



ICHNEUMON semiauratus.

Die halbgoldene Schlupfwespe.

Ichneumon semiauratus: auratus, abdomine ferrugineo apice cyaneo, *Fabric.*
Mant. Inf. T. I. n. 127. p. 269. *Ent. syst.* T. III. n. 210. p. 184.

Chrysis semiaurata. *Fabric. Syst. Ent.* n. 14. p. 359. *Spec. Inf.* T. I. n. 17. p. 457.

Spebx semiaurata. *Linn. Syst. Nat.* n. 35. p. 946. ed. XIII. n. 200. p. 2712. *Fa.*
Suec. n. 1661.

Schrank inf. austr. n. 781.

Habitat Norimbergae.

Geoffroyi Vespa, (T. II. n. 24. p. 384.) cum *Ichneum. semiaur.* *Linn.* et *Fab-*
ric. coniungenda omnimode non est, quippe aliam quodammodo quidem huic simi-
lem, verum prorsus alienam speciem designat. Non enim in *nostro Ichneum.* ne-
que caput, neque thorax, rubro-cuprea sunt, nec pedes eodem colore tinguntur.

Cl. Rossi (Faun. etrusc. T. II. n 790. p. 53.) sub nomenclatura *Ichneumonis semiaurati* Linn. et Fabric. peregrinum proflus, et ab *Ichneumon semiaur.* L. et F. alienum Ichneumonem descripsit, et delineavit, qui multoties cum ab nostro, tum a Géoffroy. *Vespa* (T. II. n. 24. p. 584.), quam cum suo perperam coniungit, abludit.

Abdominis apex, iuxta illustr. Linn. descriptionem, *niger* habetur, qui vero, si paullo curatius et lentis ope observatur, pariter alium colorem prodit. Sic sece res habet: abdominis segmentum antepenultimum postice quidem nigrescit, segmentum penultimum et ultimum vero atroviolacea sunt.

a Magnitudo naturalis. b Eadem aucta.



Sphex fuscata Fabr.

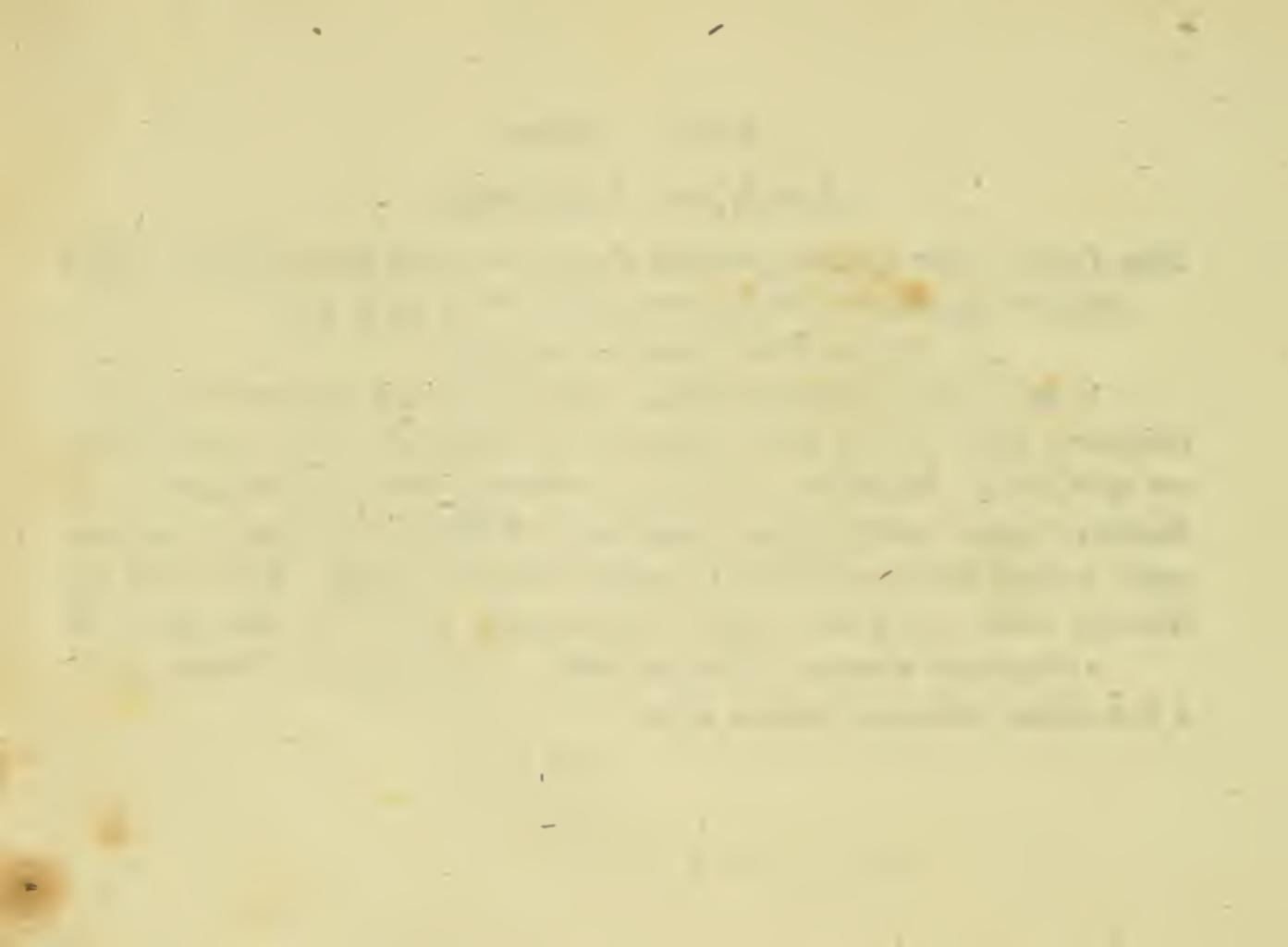
SPHEX fuscata.

Die braune Bastardwespe.

Spex fuscata: atra abdomine utrinque puncto transverso albo, femoribus posticis rufis, alis apice fuscis. *Fabric. Ent. syst. T. III. n. 57. p. 2:2.*

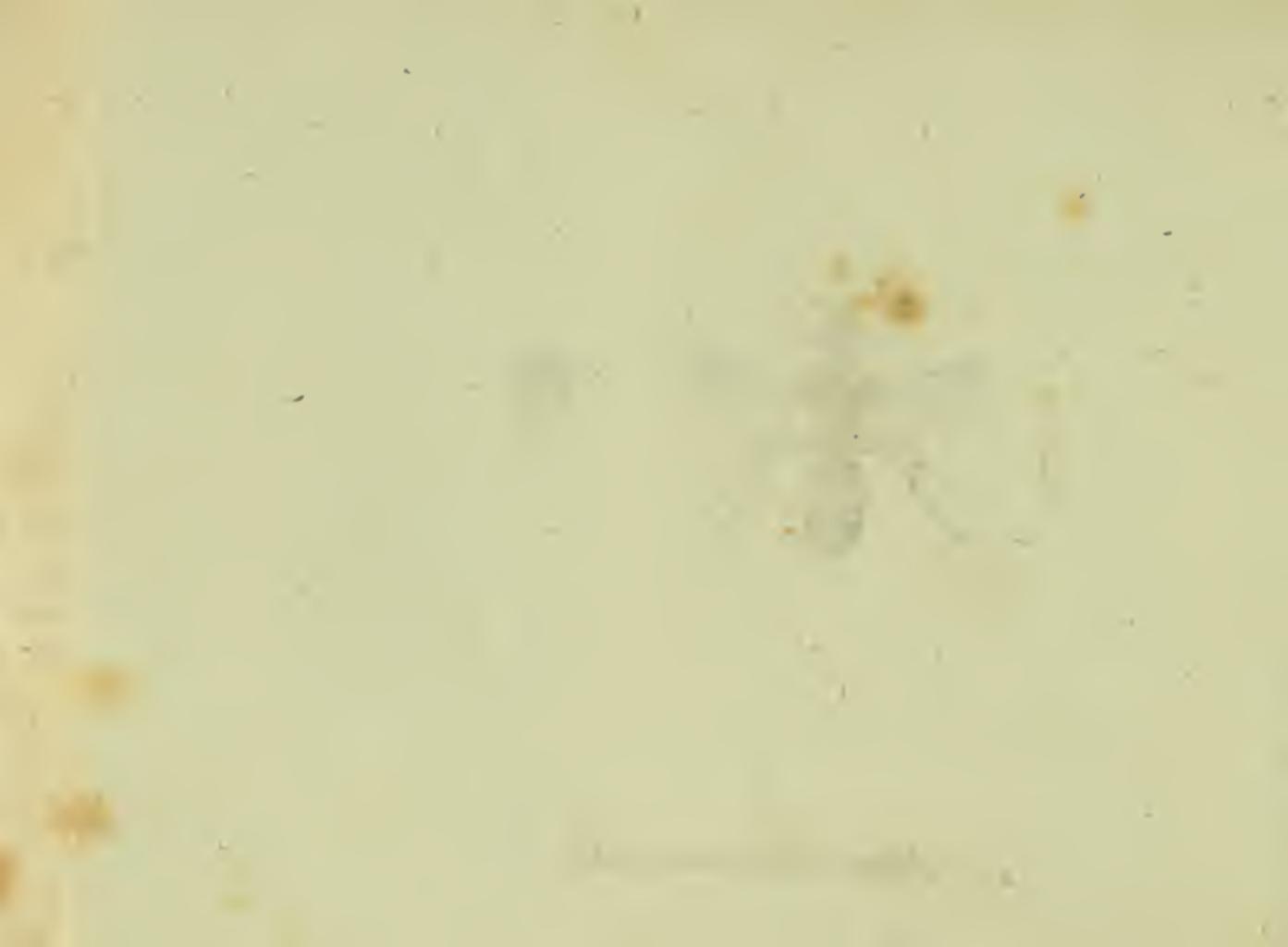
Habitat Halae Saxon. et Norimb.

Nonnihil noster a Sphege eiusdem nominis Fabriciano recedere videtur, hinc differentiam addo: Labium flavum, macula media trianguli nigra. Mandibulae flavae apice fuscae. Palpi flavi. Frons inter oculos et antennas utrinque lineola flava. Antennae nigrae, articulo primo subtus flavo. Abdominis segmentum penultimum apice, ultimum vero totum rufum et utrinque feta brevi auctum. Pedes antici rufi, femoribus macula media fusca: medii rufi immaculati: postici rufi, tibiis apice fuscis.
a Magnitudo naturalis. b Eadem aucta. c Caput antice visum et auctum.
d Duo ultima abdominis segmenta aucta.





Sphex bimaculata Mihi.



SPHEX bimaculata
Die zweyfleckigte Bastardwespe.

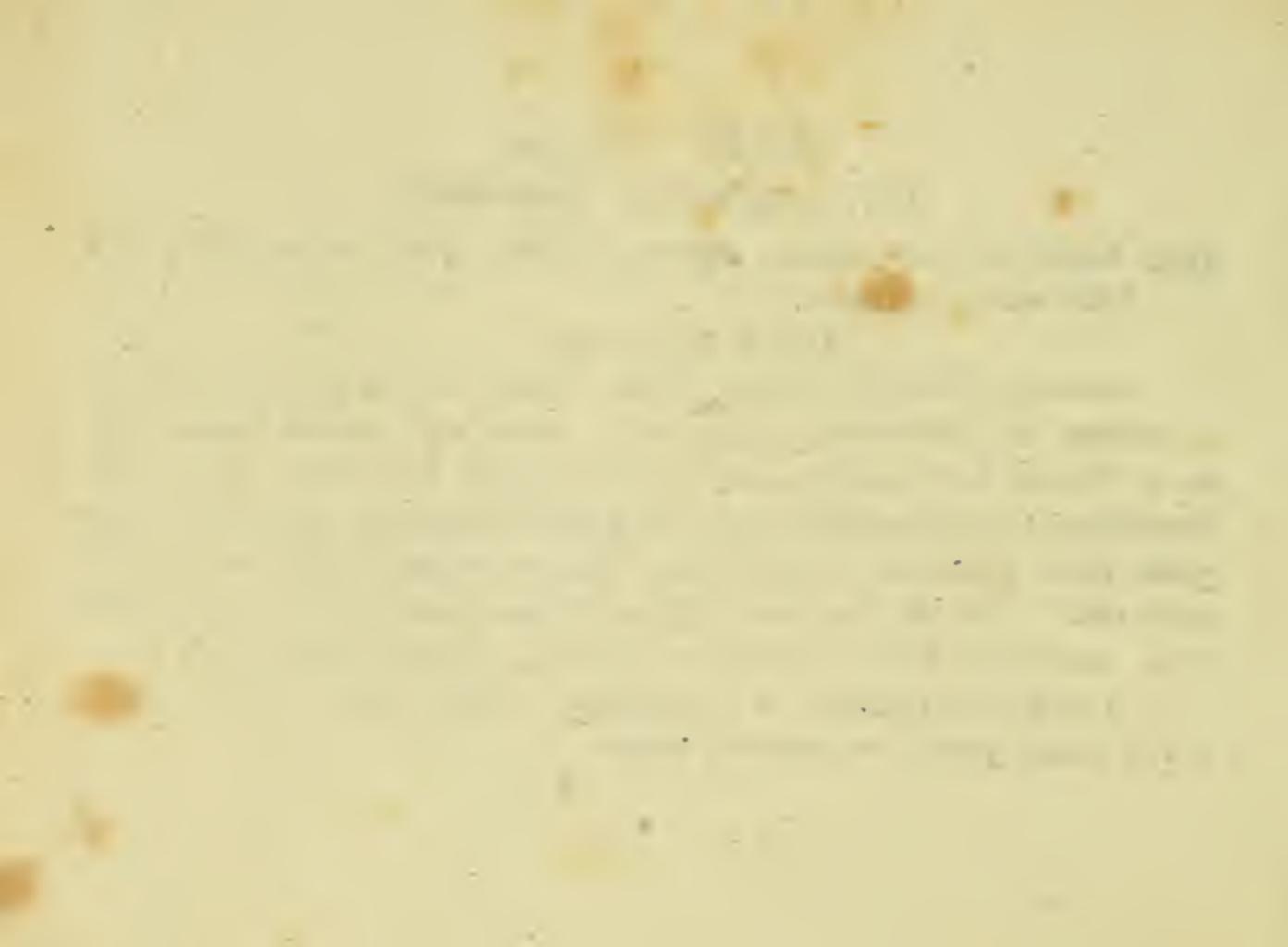
Spbex bimaculata: atra, glabra, abdomine basi rufo, puncto utrinque albo, aliis fuscis macula nigricante.

Habitat Norimbergae.

Statura praecedentis. Corpus glabrum nitidum. Caput atrum. Labium flavum tridentatum. Mandibulae flavae, apice fuscae. Oculi nigri, lineola utrinque inter hos et antennas flava. Antennae nigrae, articulo primo subitus flavo. Thorax ater immaculatus, lineola loco scutelli flava. Abdomen sessile ovatum, apice pilosum, segmentis primis duobus rufis, reliquis nigris: segmento secundo utrinque macula orbiculari alba. Pedes rufi; femoribus posticis apice mucronatis, tibiisque nigris, apice albis. Alae fuscae, macula pone apicem nigricante. Corpus subitus, ut supra.

a Magnitudo naturalis. b Eadem aucta. c Caput antice visum et auctum.

d Pars femoris postici cum mucrone, aucta.





Chrysus lucidula Fabr.



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CHRYSIS lucidula.

Die glänzende Goldwespe. La Guépe dorée à corcelet mi-parti
de rouge et de vert. Geoffr.

Chrysis lucidula: glabra viridis nitens, thorace antice abdomineque aureis, ano integro. Fabric. Syst. Ent. n. 9. p. 358. Spec. Inf. T. I. n. 11. p. 456. Mant. Inf. T. I. n. 13. p. 283. Ent. syst. T. III. n. 15. p. 242.

Geoffr. Inf. T. II. n. 19. p. 382.

Sphex nobilis. Scop. carn. n. 792. ic. 792.

Schrank inf. austr. n. 784.

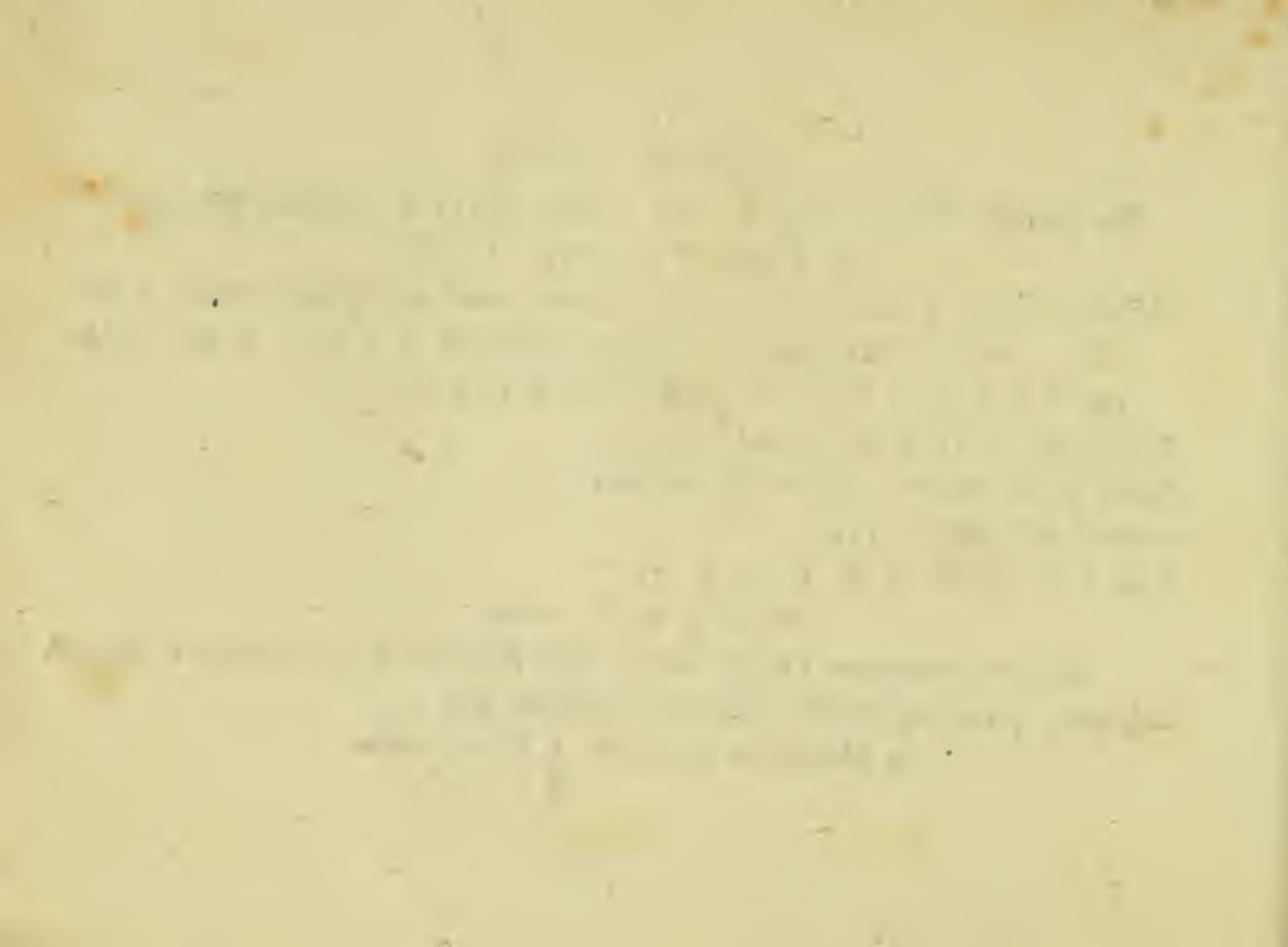
Rossi Faun. etrusc. T. II. n. 847. p. 76.

Habitat in muris, hortis.

An iure adduxerim *Chrysid. Ross*, quae abdomine aculeo setaceo, et *Chrysid.*

Schrank, quae tibiis nigris, insignes, dijudicent alii.

a Magnitudo naturalis. b Eadem aucta.





Chrysis servida Fabr.



200

CHRYYSIS fervida.

Die glühende Goldwespe.

Chrysis fervida: glabra aurea nitida, abdomine subtus atro: *Fabri*. *Spec. Inf.* T. I. n. 12. p. 456. *Mant. Inf.* T. I. n. 14. p. 283. *Ent. syst.* T. III. n. 16. p. 242.

Habitat Norimbergae.

a Magnitudo naturalis. b Eadem aucta.



Chrysis aenea Fabr.



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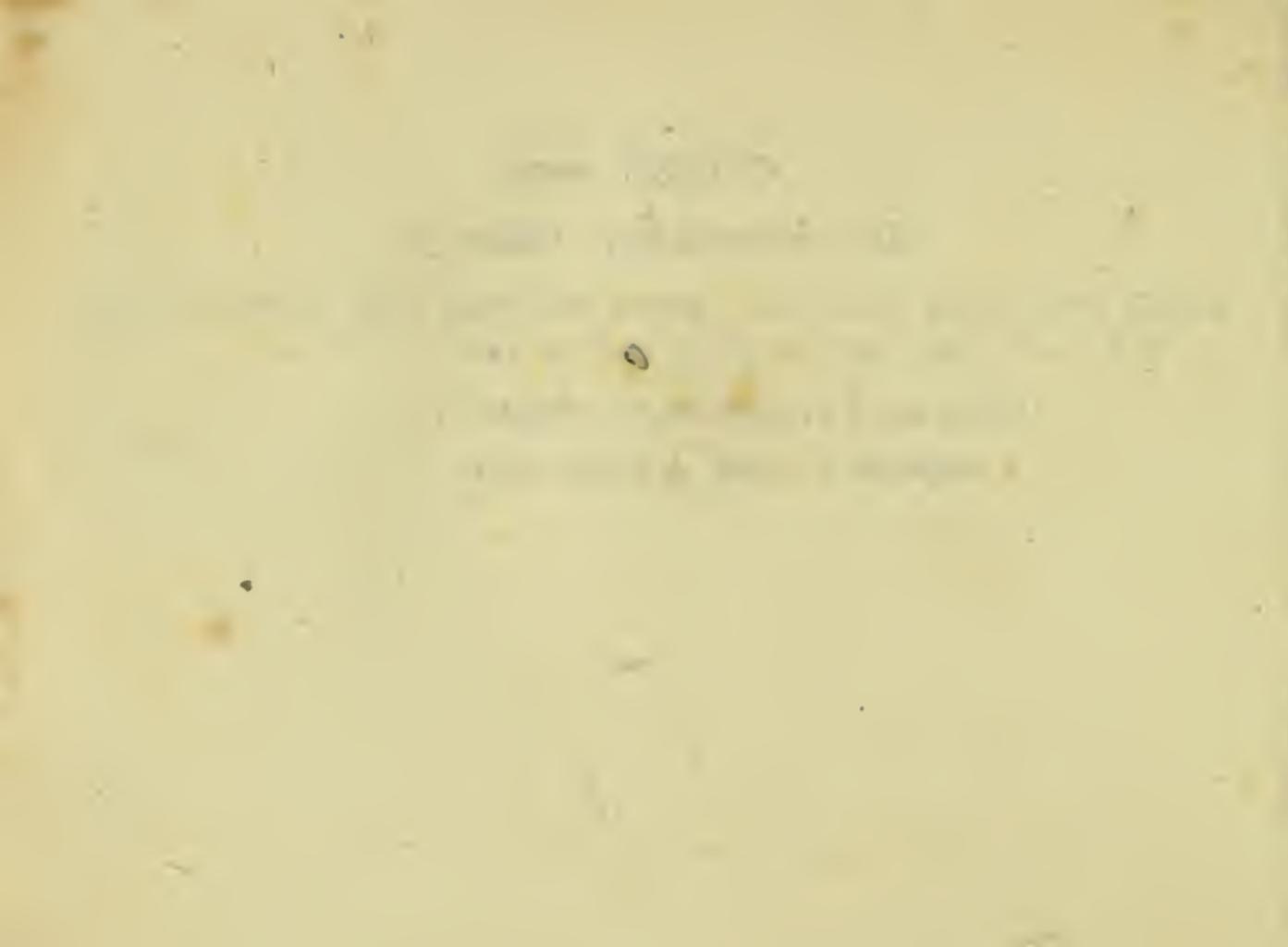
CHRYSIS aenea.

Die bronzenfarbige Goldwespe.

Chrysis aenea: glabra aenea nitida, pedibus antennisque fuscis. *Fabric. Mant. Inf.*
T. I. n. 15. p. 284. *Ent. syst. T. III.* 17. p. 243.

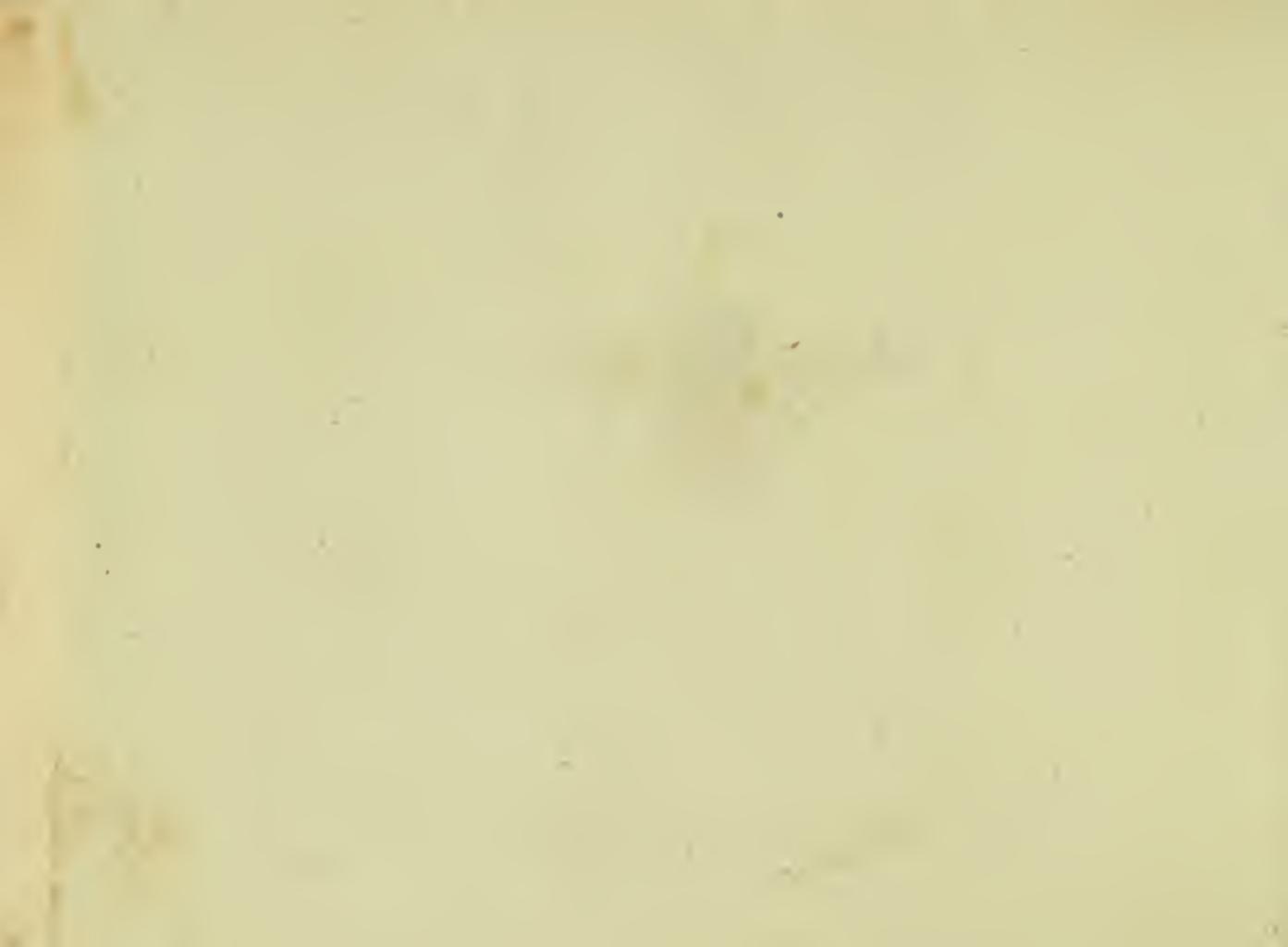
Habitat Halae Saxonum et Norimbergae.

a Magnitudo naturalis. b Eadem aucta.





Chrysos aurata Fabr.



CHRYYSIS aurata.

Die eigentliche Goldwespe.

Chrysis aurata: glabra nitens thorace viridi, abdomine aureo, ano bidentato.

Fabric. Syst. Ent. n. 10. p. 359. Spec. Ins. T. I. n. 13. p. 456. Mant. Ins. T. I. n. 16. p. 284. Ent. syst. T. III. n. 18. p. 242.

Chrysis aurata. Linn. Syst. Nat. n. 4. p. 948. ed. XIII. n. 4. p. 2746. Faun. Suec. n. 1666.

Rossi Faun. etrusc. T. II. n. 844. p. 75.

— — — Mant. n. 296. p. 134.

Schäffer Ic. Ins. Ratisb. tab. 42. fig. 5. 6.

Habitat in muris, et in parietibus hortorum.

a Magnitudo naturalis. b Eadem aucta.

June 2000

2000-06-20

Today we were considering what would happen if
we had a small amount of energy. I am not sure
what I mean by this, but I think it's something like
if you had a small amount of energy, how would
you use it?

I think that if you had a small amount of energy,
you would use it to do something useful.
For example, if you had a small amount of energy,
you could use it to move a small object.

Now I am going to write a sentence.

A man takes a small amount of energy.

—



Chrysiss regia Fabr.



CHRYYSIS regia.

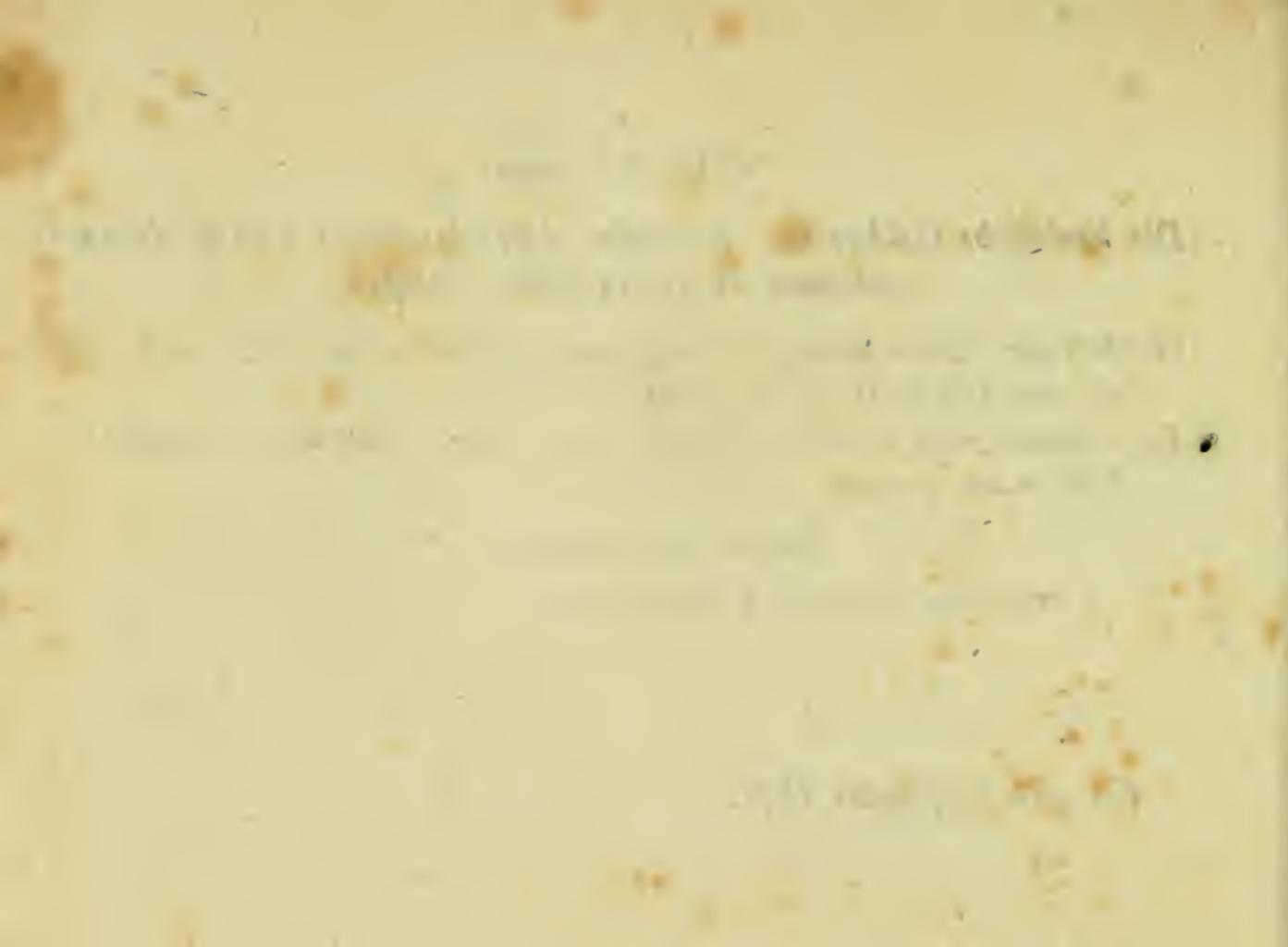
Die königliche Goldwespe. La Guépe dorée à corcelet vert et derniers anneaux du ventre lisses. Geoffr.

Chrysis regia: glabra nitens, thorace cyaneo, abdomine aureo: ano integro. Fabric. Ent. syst. T. III. n. 19. p. 243.

♀ *Vespa* thorace viridi caeruleo, abdomine aureo cupreo, pone inermi. Geoffr. Ins. T. II. n. 21. p. 383.

Habitat Norimbergae.

a Magnitudo naturalis. b Eadem aucta.





Chrysis cyanea Fabr.



CHRYSIS cyanea.

Die blaue Goldwespe. La Guêpe dorée bleue. Geoffr.

Chrysis cyanea: glabra nitens, thorace abdomineque caeruleis, ano tridentato.

Fabric. Syst. Ent. n. 11. p. 359. Spec. Inf. T. I. n. 14. p. 456. Mant. Inf. T. I. n. 17. p. 284. Ent. syst. T. III. n. 20. p. 243.

Chrysis cyanea. Linn. Syst. Nat. n. 5. p. 948. ed. XIII. n. 5. p. 2746. Fn. Suec. n. 1667.

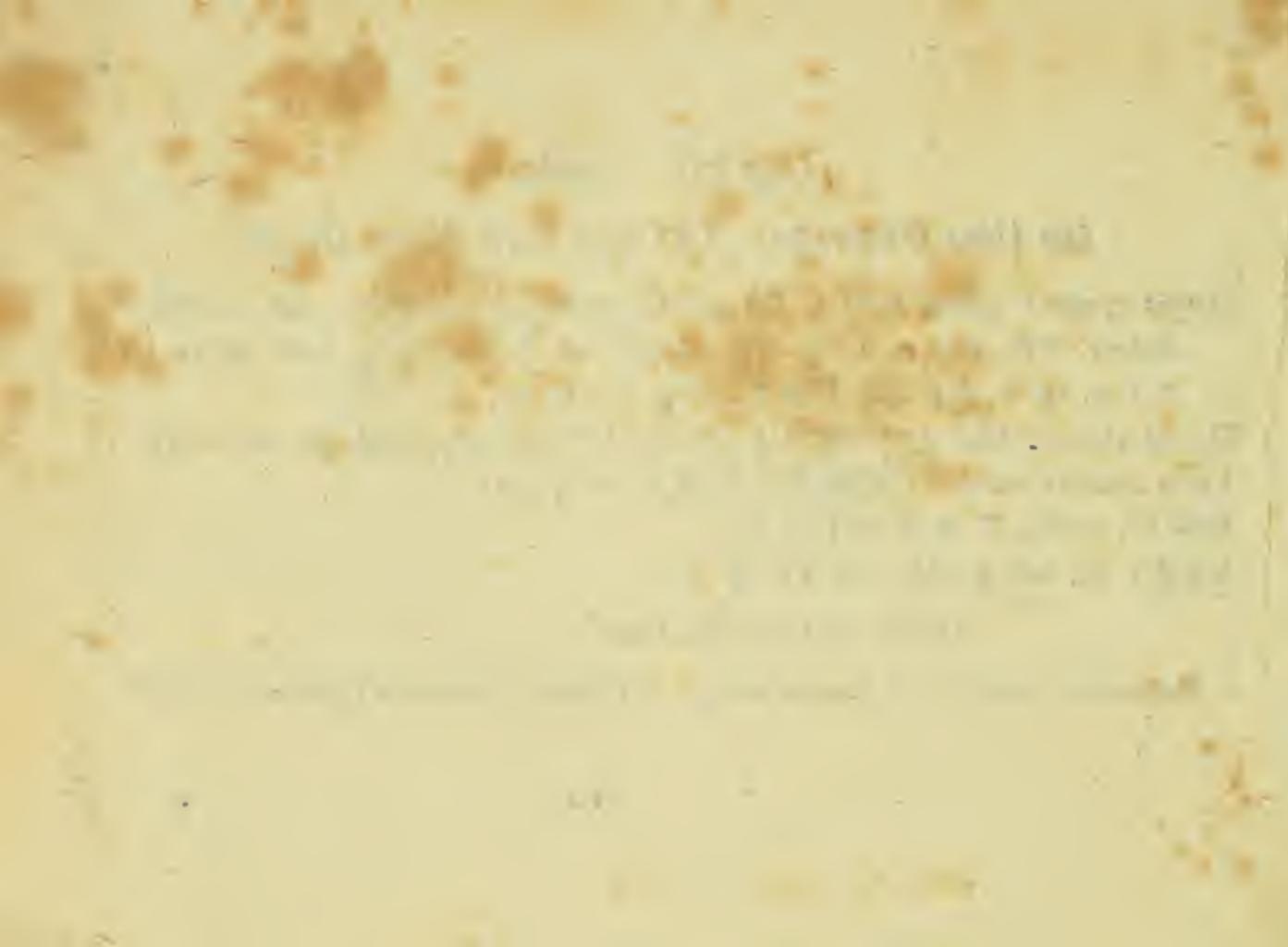
Vespa caerulea nitens. Geoffr. Inf. T. II. n. 22. p. 484.

Rossi Fn. etrusc. T. II. n. 845. p. 76.

Schäffer Ic. Ratisb. tab. 81. fig. 5.

Habitat in sylvaticis, rarer.

a Magnitudo naturalis. b Eadem aucta. c Ultimum abdominis segmentum auctum.





Chrysis scutellaris Mih.

CHRYYSIS scutellaris.

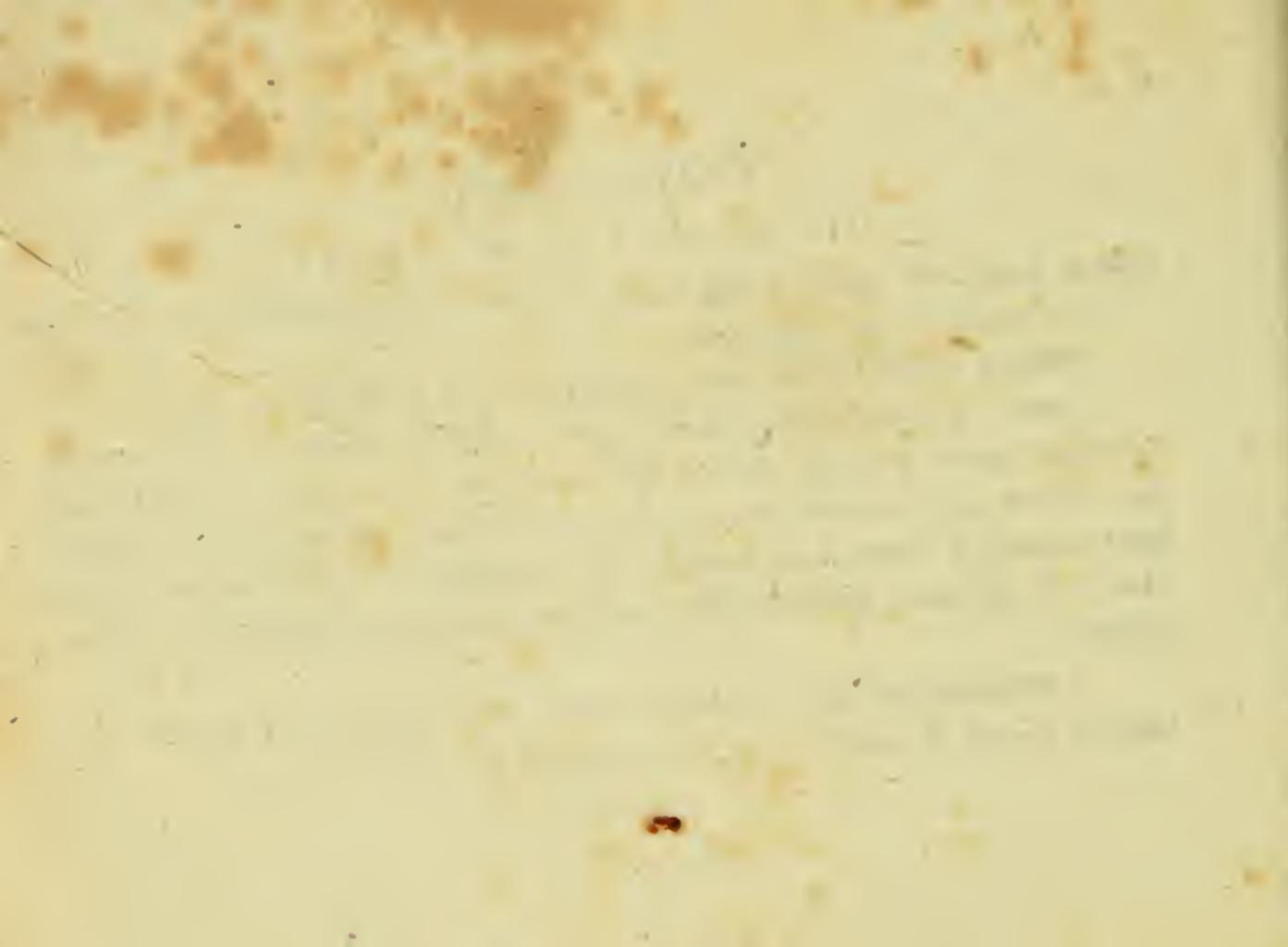
Die geschildete Goldwespe.

Chrysis scutellaris: glabra viridis nitens, thorace cyaneo postice bidentato, scutello producto, ano emarginato.

Habitat Norimbergae. *Dn. Sturm Faun. Ins. germ. piccor attulit.*

Parva. Corpus totum glabrum nitidum. Antennae nigrae. Caput, thorax, scutellum, cyanea punctata. Scutelli apex productus, et in mucronem quasi elongatus. Thorax apice utique denticulo acuto acuminatus. Abdomen viide, nitidum. Anus inermis, s. nullo dente armatus, ast emarginatura notabili notatus. Pedes cyanei, digitis rufis. Alae basi albae hyalinae, apice fuscae. Corpus subtus cyaneo-nitidum.

a Magnitudo naturalis. b Eadem aucta. c Lobus posticus thoracis, cum adhaerente scutello in longitudinem solito maiorem producto.





Chrysis sexdentata Mihi.



CHRYYSIS sexdentata.

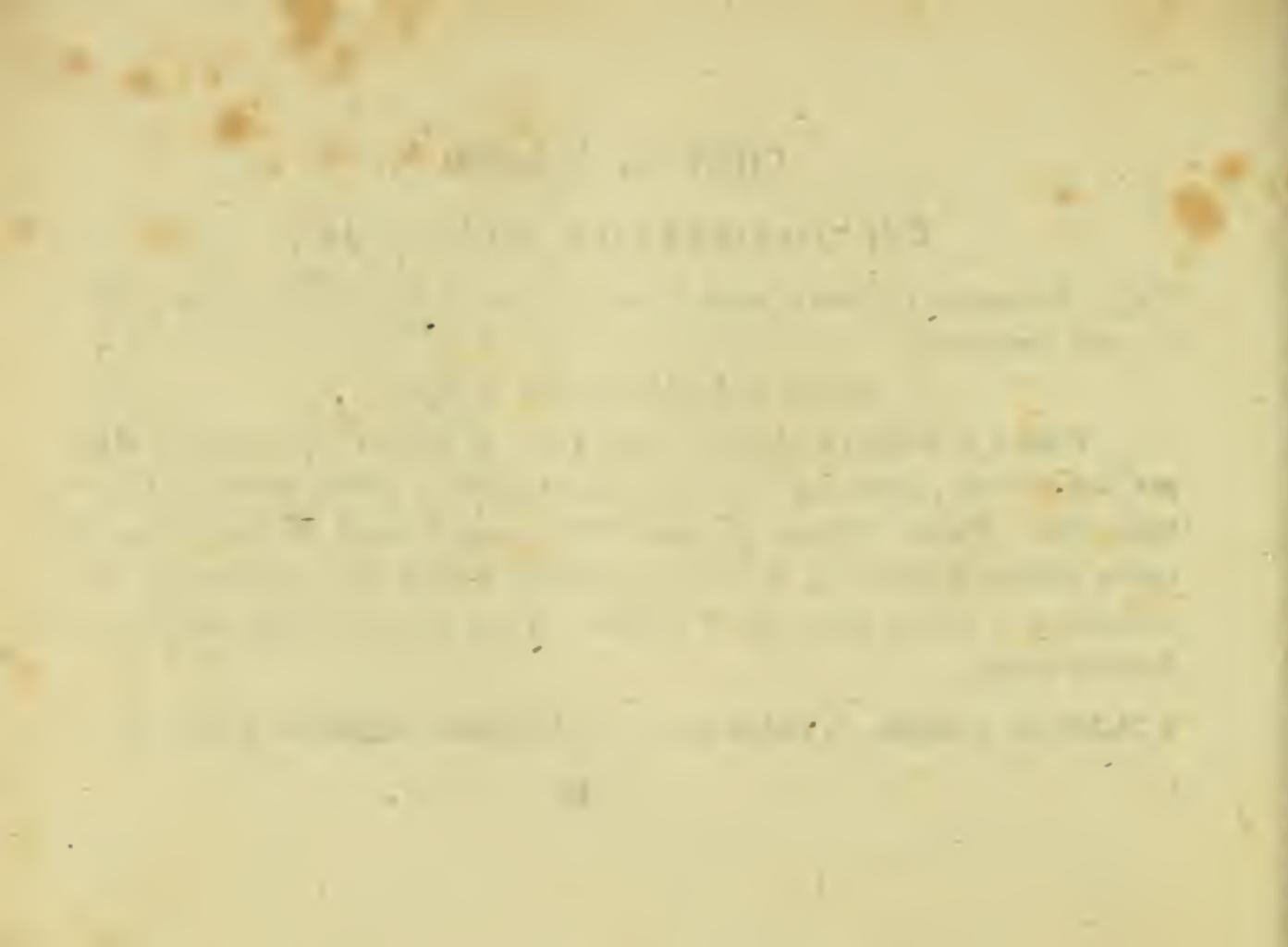
Die sechsähnige Goldwespe.

Chrysis sexdentata: glabra cyanea nitens, abdomine segmentis margine viridibus, ano sexdentato.

Habitat Norimbergae. *Dn. I. Sturm.*

Statura et habitus elongatus *Chrys. cyan.* F. ast quadruplo maior. Antennae basi cyaneae, apice nigro-fuscae. Caput cyaneum punctis excavatis scabrum. Oculi fusi. Thorax cyaneus punctatus scaber apice utrinque subacuminatus. Abdomen nitidum punctatum, cyaneum, segmentis postice viridi-marginatis. Anus sexdentatus. Corpus subtus viride nitidum. Pedes cyanei, digitis fuscis. Alae hyalinae albae.

a Magnitudo naturalis. b Eadem aucta. c. Abdominis segmentum ultimum auctum.





Crabro trimaculatus Rossi.



CRABRO trimaculatus.

Die dreygefleckte Horneife.

Crabro trimaculatus : ater nitens, thorace bidentato, abdome utrinque maculis tribus flavis. *Rossi*. *Fa. etnsc.* T. II. n. 892. p. 95.

Habitat in floribus.

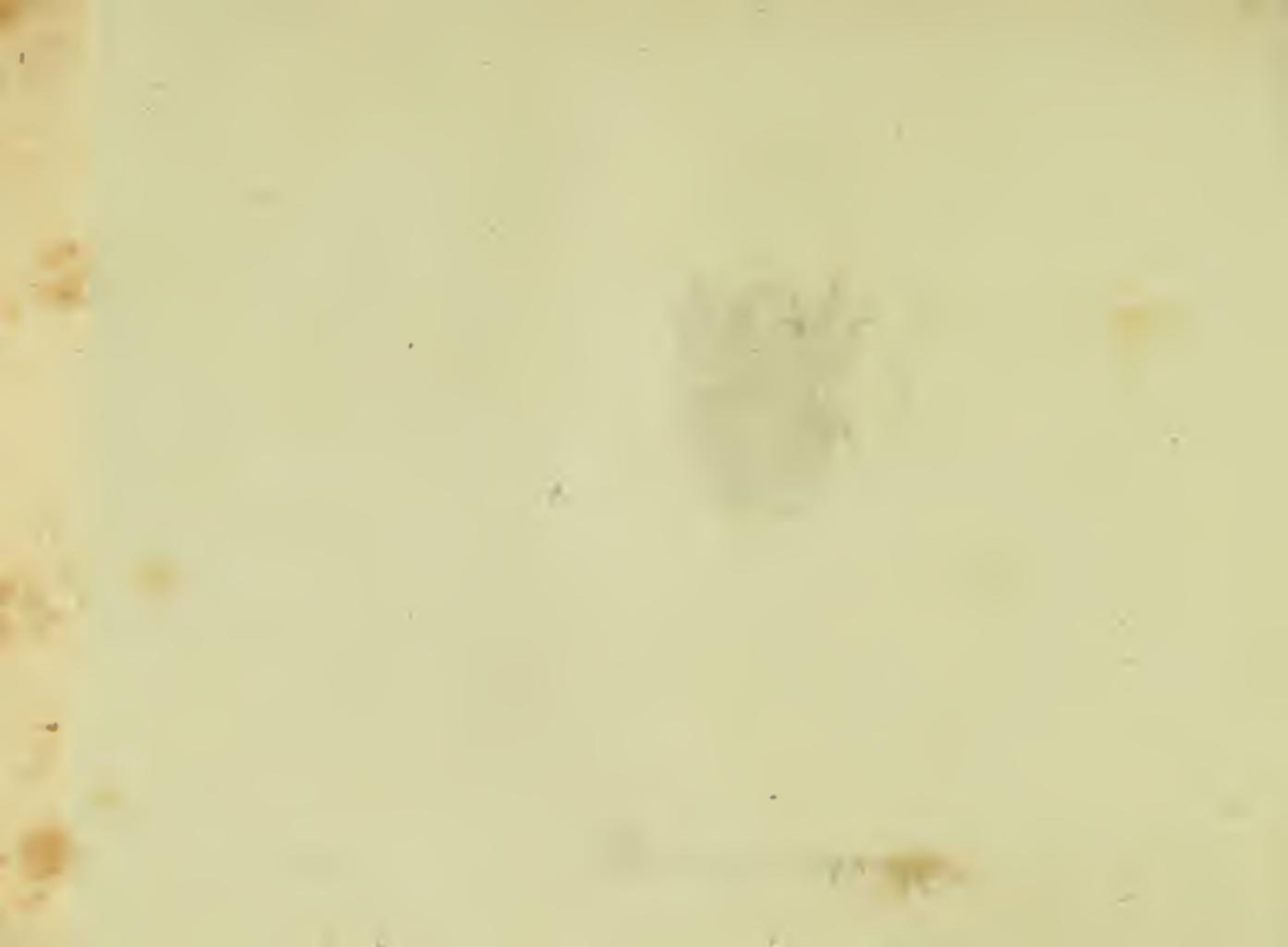
Peculiarem atque propriam sibi inter Crabrones vindicat modo depictus species, hinc neque cum *Crabrone spinoso* *Fabr.* neque cum *Vespa bidenti* *Fabr.* in unam cogere mallem. Egregie, iam iam monuit *Cl. Rossi*, l. c. macularum tria paria abdominis nunquam in fascias connasci, hinc multum a *Crabrone spinoso* *F.* distat. Scutellum vero maculatum, s. lineola flava insigne, et labium cum antennarum primo articulo immaculatum, separant a *Vespa bidenti* *F.*

a Magnitudo naturalis. b Eadem aucta. c Antenna aucta.





Hypobosca ovina Fabr.



HIPPOBOSCA ovina.

Die Schaflausfliege.

Hippobosca ovina: alis nullis: Fabric. Syst. Ent. n. 4. p. 804. Spec. Inf. T. II. n. 4. p. 475. Mant. Inf. T. II. n. 4. p. 367. Ent. syst. T. III. n. 4. p. 416.

Hippobosca ovina. Linn: Syst. Nat. n. 4. p. 1011. ed. XIII. n. 4. p. 2905. Fn. Suec. n. 1923. It. westgoth. p. 59.

Frisch Inf. P. V. tab. 18.

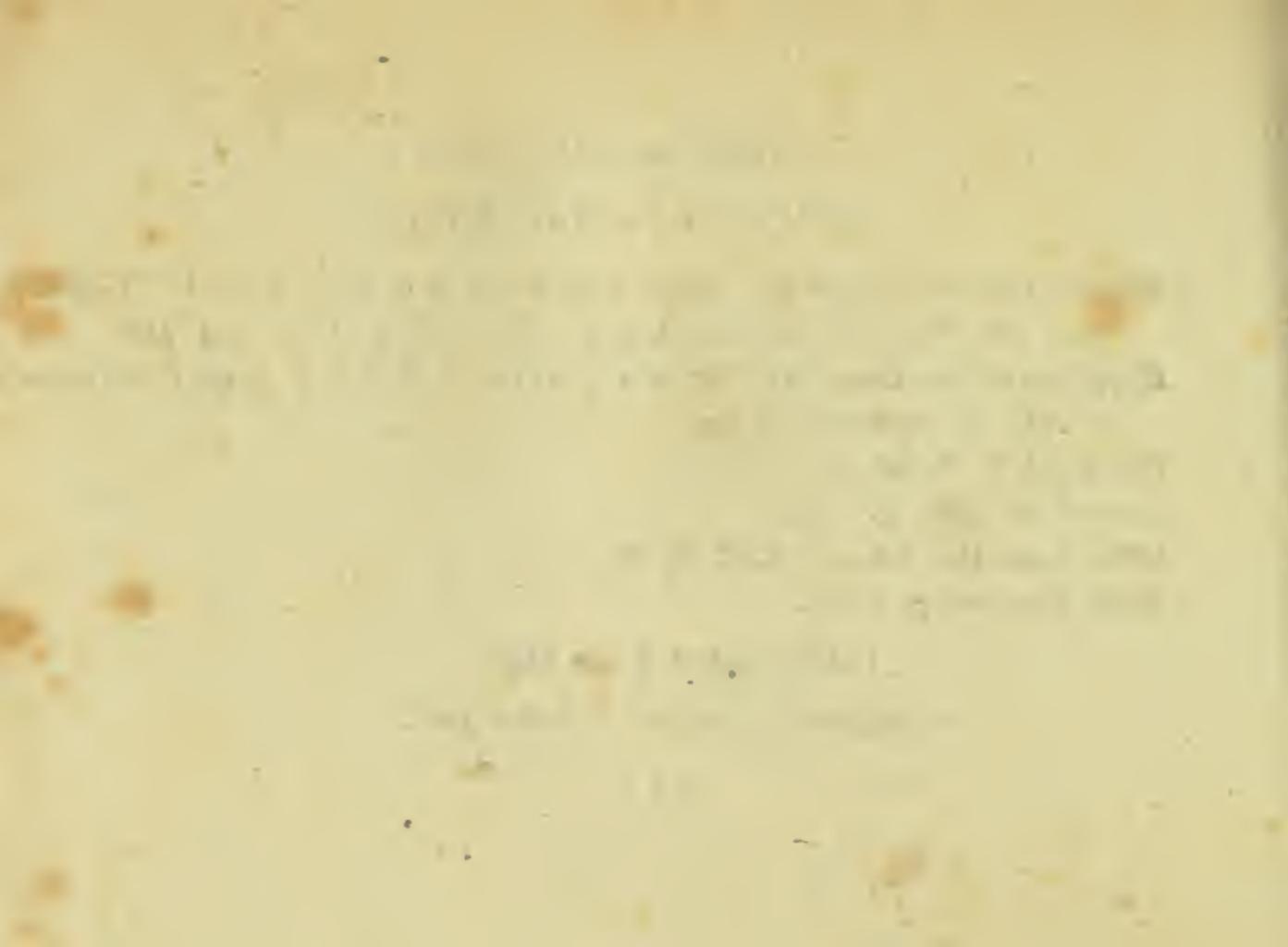
Schrantz inf. anstr. n. 1008.

Müll. Linn: Nat. syst. tab. XXX. fig. II.

Goeze Faun. europ. T. III.

Habitat in Ove Ariete Linn.

a Magnitudo naturalis. b Eadem aucta.





Pediculus cervi Fabr.



PEDICULUS Cervi.

Die Hirsch - Laus.

Pediculus Cervi. Fabric. Syst. Ent. n. 5. p. 805. Spec. Inf. T. II. n. 5. p. 477.

Mant. Inf. T. II. n. 5. p. 368. Ent. syst. T. VI. n. 5. p. 418.

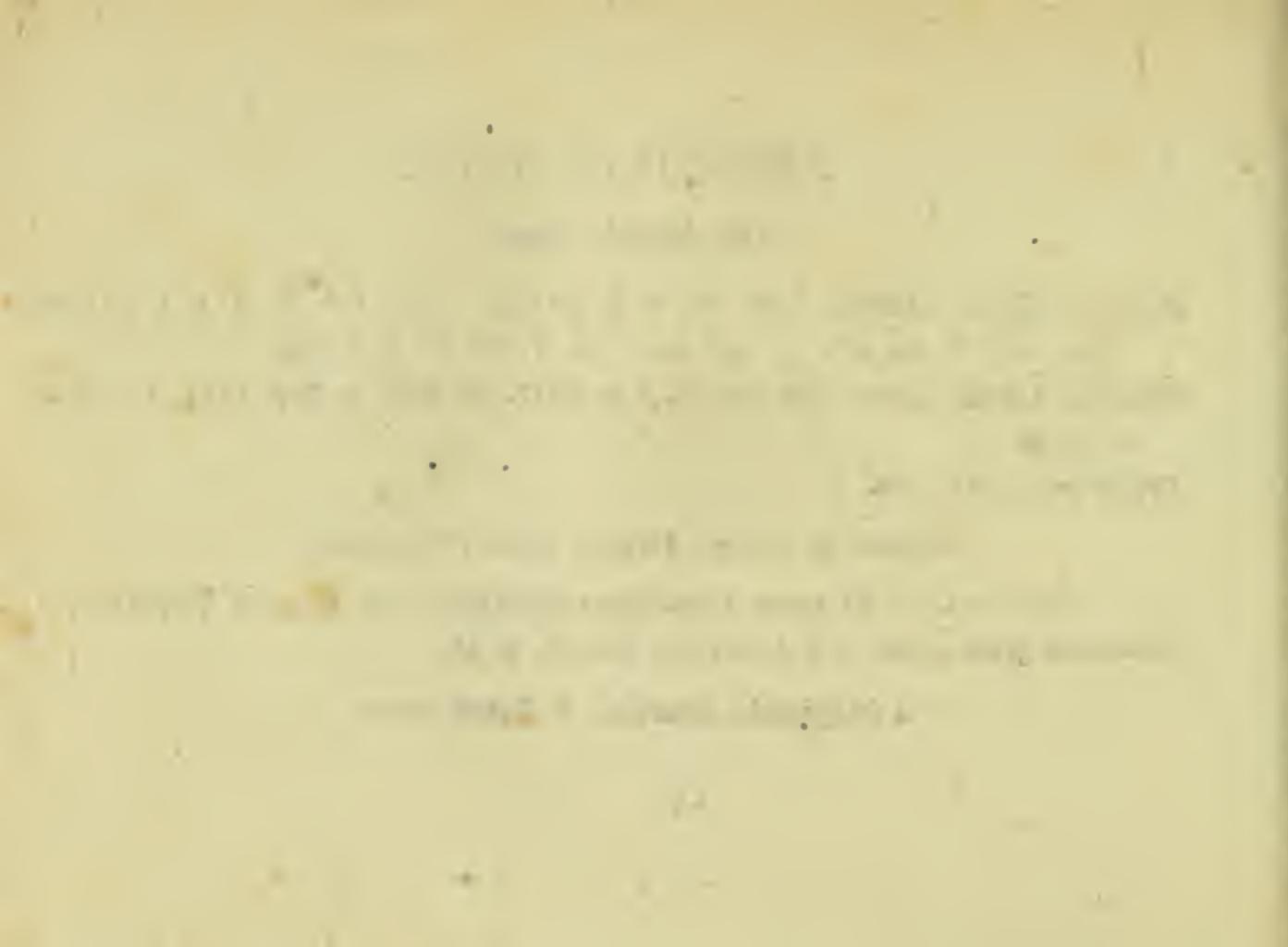
Pediculus Cervi. Linn. Syst. Nat. n. 7. p. 1017. ed. XIII. n. 7. p. 2918. Fn. Suec. n. 1944.

Frisch Inf. P. XII. tab. 5.

Habitat in Cervis, Elapho, Dama, Capreolo.

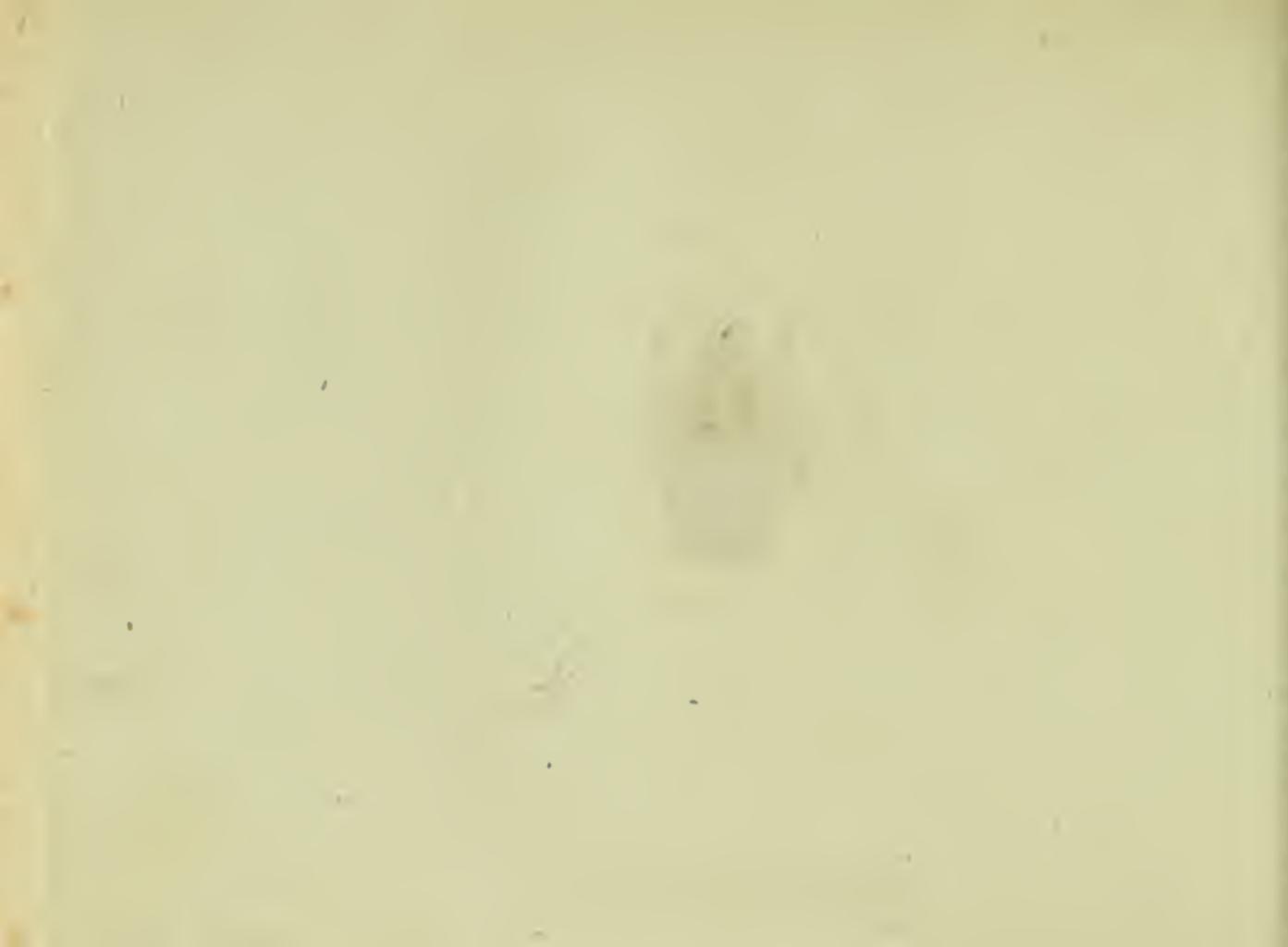
Pediculus Cervi ad genus *Hippoboscæ* ablegandus, qui hactenus perperam pediculorum genus auxit. Cf. Goeze Eur. Fn. III. p. 37.

a Magnitudo naturalis, b Eadem aucta.





Pediculus suis Linn.



PEDICULUS Suis.

Die Schweins - Laus.

Pediculus Suis Scrofae. Linn. Syst. Nat. n. 4. p. 1017. ed. XIII. n. 4. p. 2913.

Fn. Suec. n. 1942.

Pediculus Asini. Redi exper. tab. 21.

Habitat in suibus.

Illustr. Fabric. hunc pediculum fortasse sub *Pediculo Asini* proposuit: quum vero in *Asino* teste. b. Goexio in Eur. Faun. T. III. p. 355. hactenus nondum ulla e Pedicularum genere species detecta fuerit, et Asini Pediculis omnino careant, hunc sub data nomenclatione exhibui.

a Magnitudo naturalis. b Eadem aucta.

100.5 + 380.04 = 480.54

$$= \frac{1}{2} \pi \times 10^2 \times 3.141592653589793 = 157.08 \text{ cm}^2$$

8

Surface area of a cylinder = $2\pi r(h + r)$
= $2 \times 3.141592653589793 \times 10 \times (10 + 10) = 1256.6370614359172 \text{ cm}^2$

Surface area of a cylinder = $1256.6370614359172 \text{ cm}^2$

10



Pediculus Tinnunculi Fabr.

St. fec

PEDICULUS Tinnunculi.

Die gewöhnliche Vogel - Laus.

Pediculus Tinnunculi: capite sagittato, postice utrinque mucronato. *Fabric. Syst.*

Ent. n. 11. p. 806. Spec. Inf. T. II. n. 12. p. 478. Mant. Inf. T. II. n. 13. p. 369. Ent. syst. T. VI. n. 13. p. 420.

Pediculus Tinnunculi. *Linn. Syst. Nat. n. 13. p. 1018. ed. XIII. n. 13. p. 2916.*

Fn. Suec. n. 1949.

Redi exper. tab. 13.

Frisch Inf. P. XI. tab. 24.

Goeze Faun. eur. T. IV. p. 192.

Habitat in *Falcone Tinnunculo* Linn.

Infestat plures Falconum, ut et alias huius tribus species, ideoque vix mereatur pro peculiari specie proponi.

a Magnitudo naturalis. b Eadem aucta.

Ein und funfzigstes Heft.



Pediculus Ardeae Fabr.

2367-

PEDICULUS Ardeae.

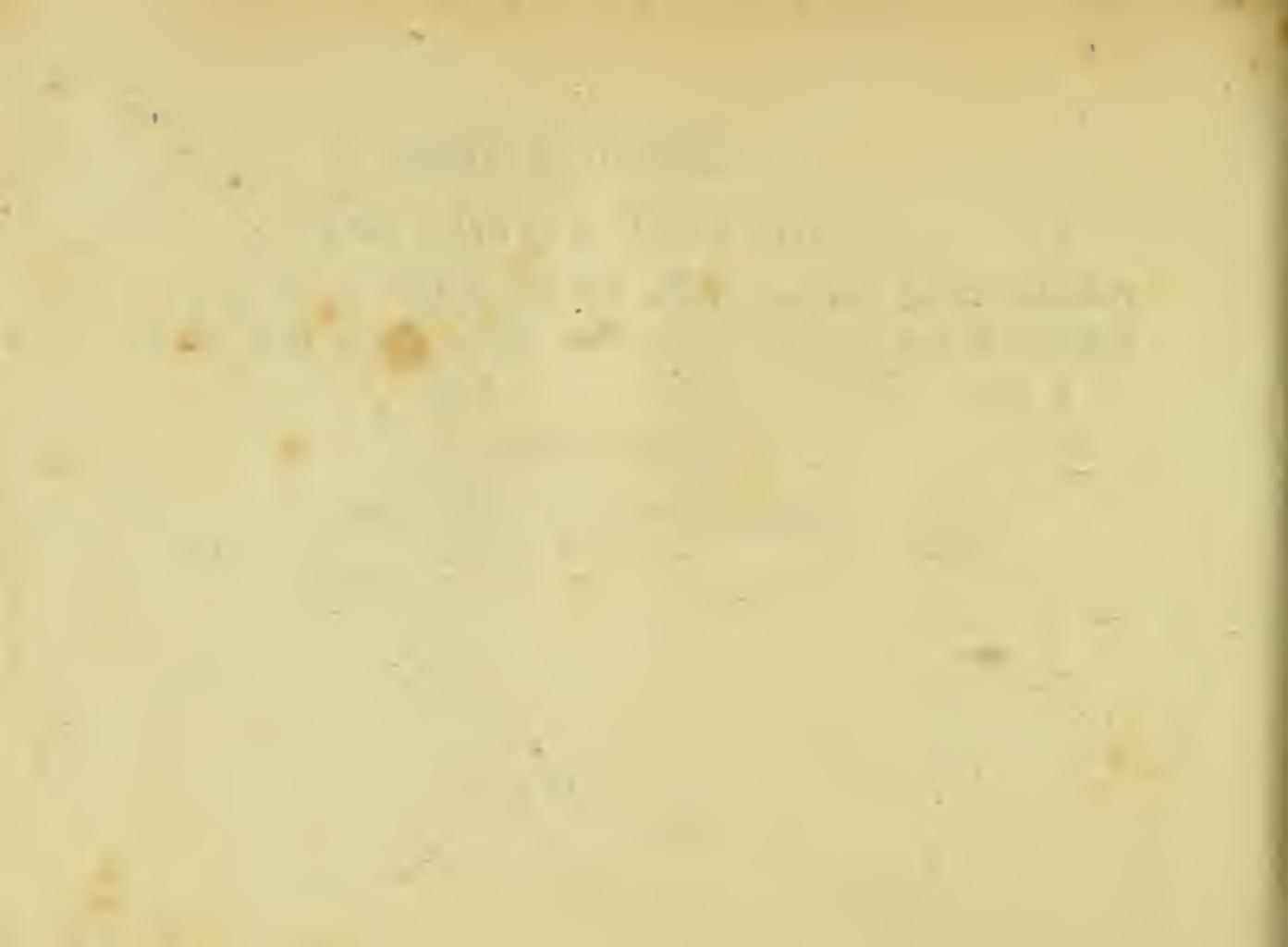
Die Fisch Reyber - Läus.

Pediculus Ardeae cinereae. Fabric. Ent. syst. T. VI. n. 30. p. 422.

Pediculus Ardeae cinereae. Linn. Syst. Nat. n. 23. p. 1019. ed. XIII. n. 23.
p. 2919.

Habitat in Ardeis.

a Magnitudo naturalis. b Eadem aucta.





Pediculus Pavonis Fabr:

J. St. fec.

PEDICULUS Pavonis.

Die Pfauen-Laus.

Pediculus Pavonis: capite globoso maximo, corpore pallido fuscoque striato. *Fabric.* Syst. Ent. n. 27. p. 809. Spec. Inf. T. II. n. 31. p. 481. Mant. Inf. T. II. n. 37. p. 370. Ent. syst. T. VI. n. 37. p. 423.

Pediculus Pavonis. *Linn.* Syst. Nat. n. 30. p. 1019. ed. XIII. n. 30. p. 2919.

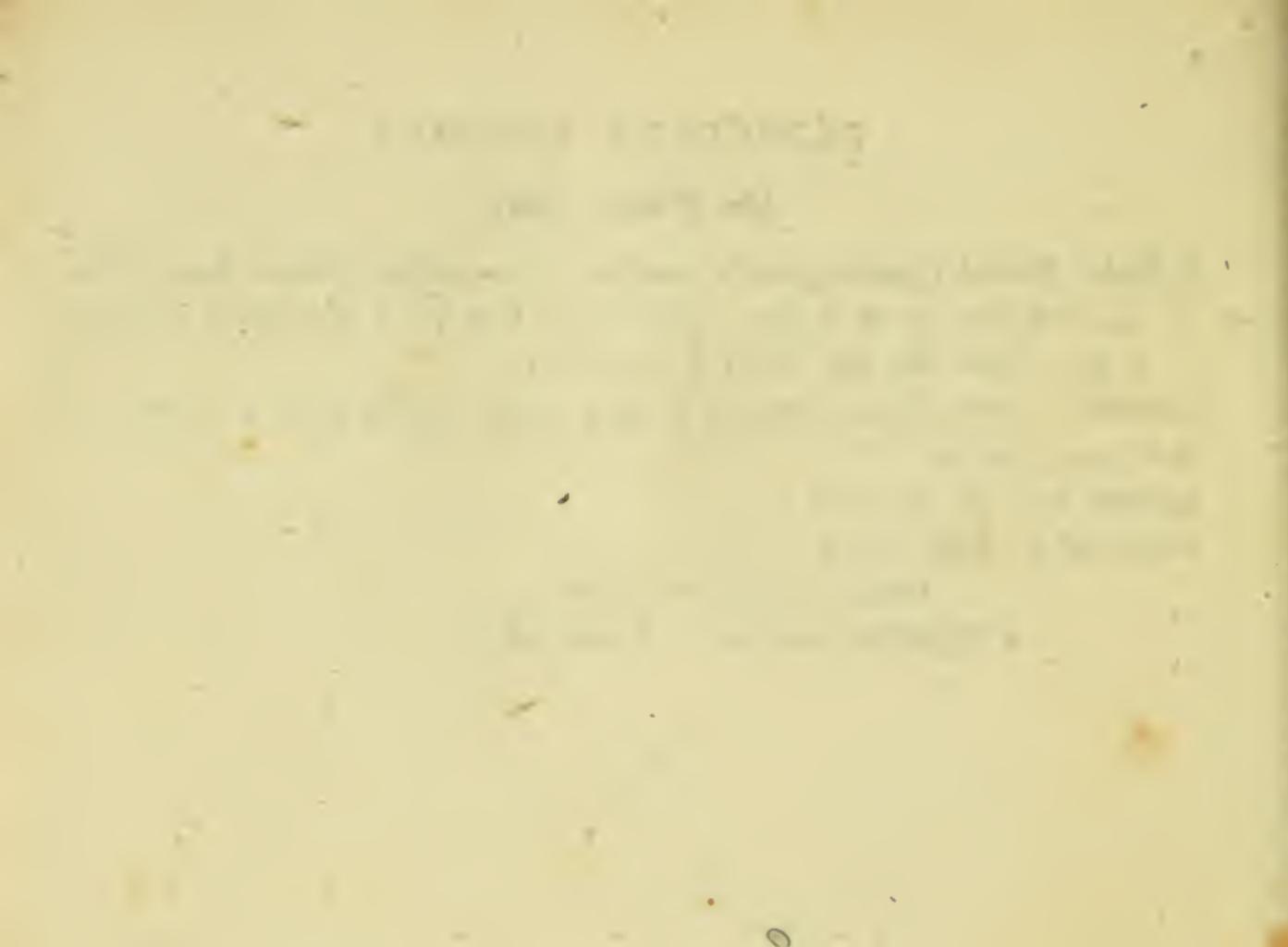
Redi exper. tab. 14.

Schrantz. inf. austr. n. 1028.

Frisch Inf. P. VIII. tab. 4.

Habitat in Pavone domestico.

a Magnitudo naturalis. b Eadem aueta.





Pediculus Meleagridis Fabr.

J. St. fec.

PEDICULUS Meleagridis.

Die Truthahns-Laus.

Pediculus Melengridis: capite trigono obtuso, abdomine ovato griseo. *Fabric.*
Syst. Ent. n. 28. p. 809. *Spec. Inf. T. II.* n. 32. p. 482. *Mant. Inf. T. II.* n. 38.
p. 370. *Ent. syst. T. VI.* n. 38. p. 423.

Pediculus Meleagridis. *Linn.* *Syst. Nat.* n. 31. p. 1020. ed. XIII. n. 31. p. 2920.
Fn. Suec. n. 1058. "
Schrank. *inf. austr.* n. 1029.

Habitat in *Meleagridide Gallopavone L.*

a *Magnitudo naturalis.* b *Eadem aucta.*



Pediculus Gallinae Fabr:



PEDICULUS Gallinae.

Die Hühner - Laus. *Le Pou de la Poule à tête et corcelet pointus de deux côtés.* *Geoffr.*

Pediculus Gallinae : thorace capiteque utrinque mucronatis. *Fabric.* *Syst. Ent.* n. 29. p. 829. *Spec. Inf.* T. II. n. 33. p. 482. *Mant. Inf.* T. II. n. 39. p. 370. *Ent. syst.* T. VI. n. 39. p. 423.

Pediculus Phasiani Galli. *Linn.* *Syst Nat.* n. 32. p. 1020. ed. XIII. n. 32. p. 2920. *Fn. Suec.* n. 1959.

Geoffr. *Inf.* T. II. n. 11. p. 601.

Schrank *inf. austr.* n. 1030.

— — *Beytr. z. Nat.* p. 114. n. 3. tab. 5. fig. 2.

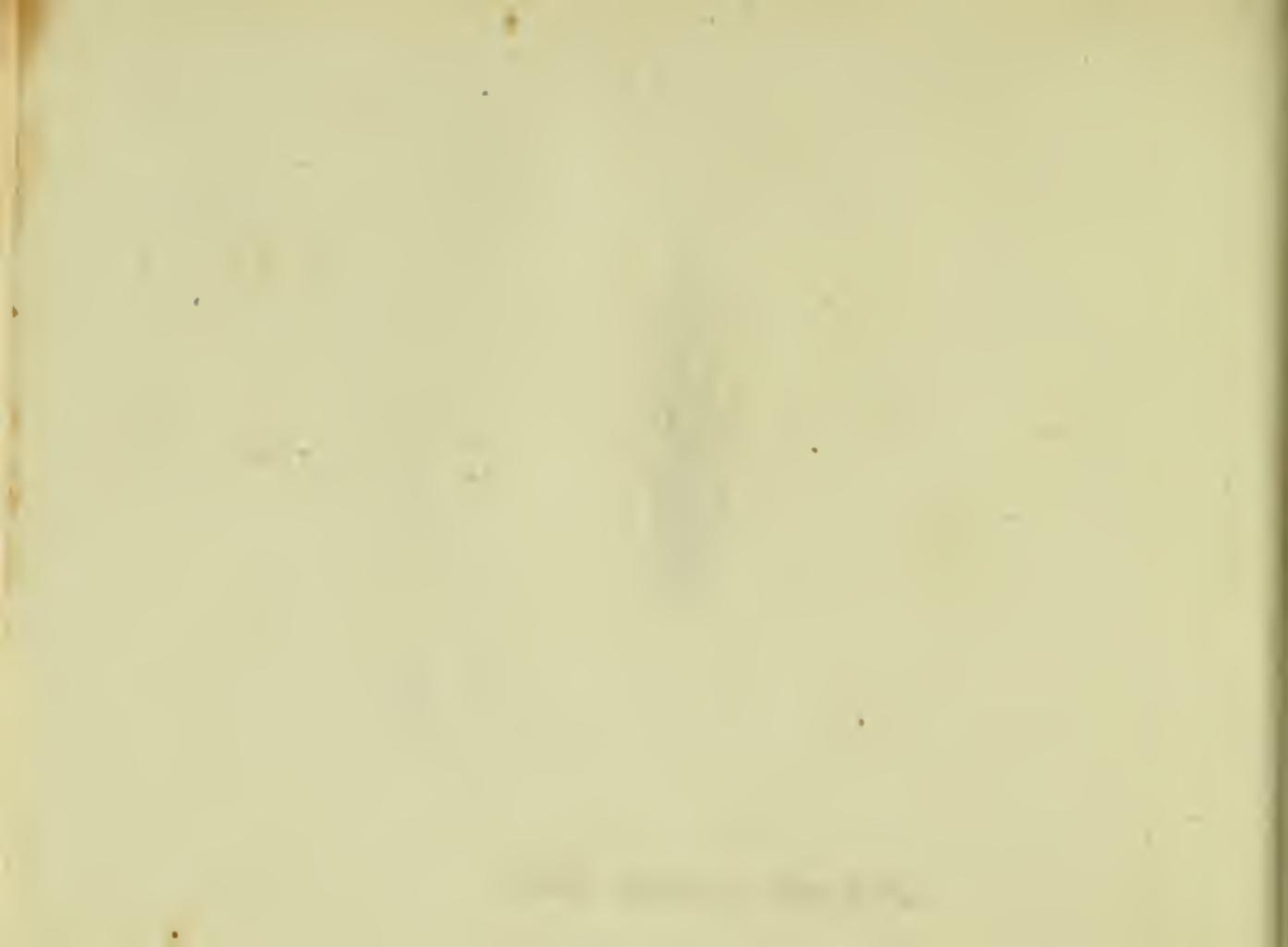
Habitat in *Gallina domestica*.

a *Magnitudo naturalis.* b *Eadem aucta.*



Pediculus columbae Fabr.

J. St. fec.



PEDICULUS Columbae.

Die Tauben-Laus. Le Pou du Pigeon. Geoffr.

Pediculus Columbae: corpore filiformi ferrugineo postice clavato. *Fabric.* Syst. Ent. n. 31. p. 809. *Spec. Inf.* T. II. n. 35. p. 432. *Mant. Inf.* T. II. n. 44. p. 371. *Ent. syst.* T. VI. n. 44. p. 424.

Pediculus Columbae. *Linn.* Syst. Nat. n. 36. p. 1030. ed. XIII. n. 36. p. 2920.

Geoffr. Inf. T. II. n. 7. p. 599.

Schrantz. inf. austr. n. 1031.

— — *Beytr. z. N.* p. 114. n. 4. tab. 5. fig. 3.

Habitat in *Columba Oenate* Linn.

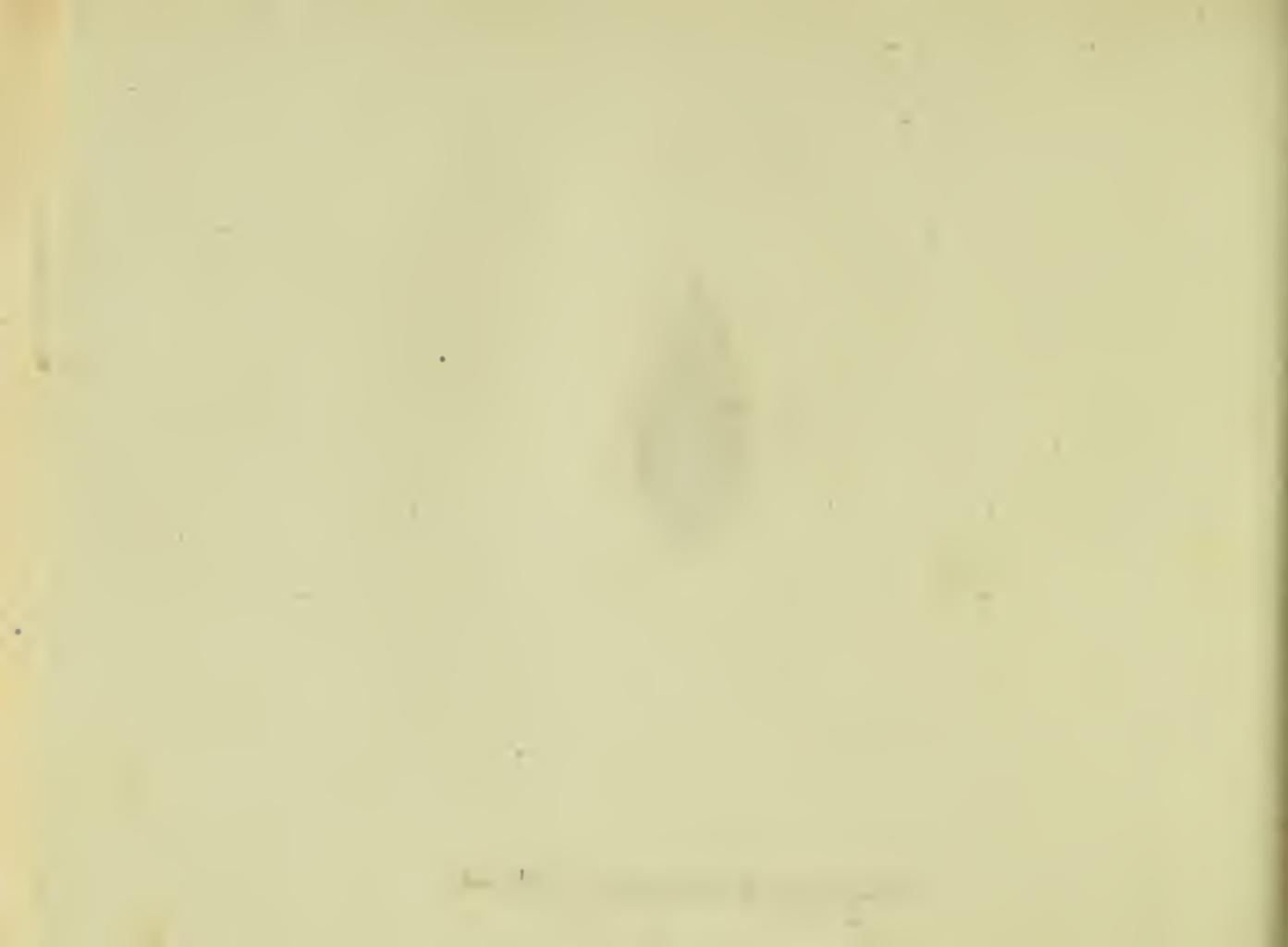
a Magnitudo naturalis. b Eadem aucta.

the first time in the history of the world
that a man has been able to do this
and it is a great achievement.
I am sending you a copy of the
newspaper which contains the
story of my flight and I hope you will
be interested in it.
I am sending you a copy of the
newspaper which contains the
story of my flight and I hope you will
be interested in it.



Pediculus Curvirostrae Schrank.

J. St. See.



PEDICULUS Curvirostrae.

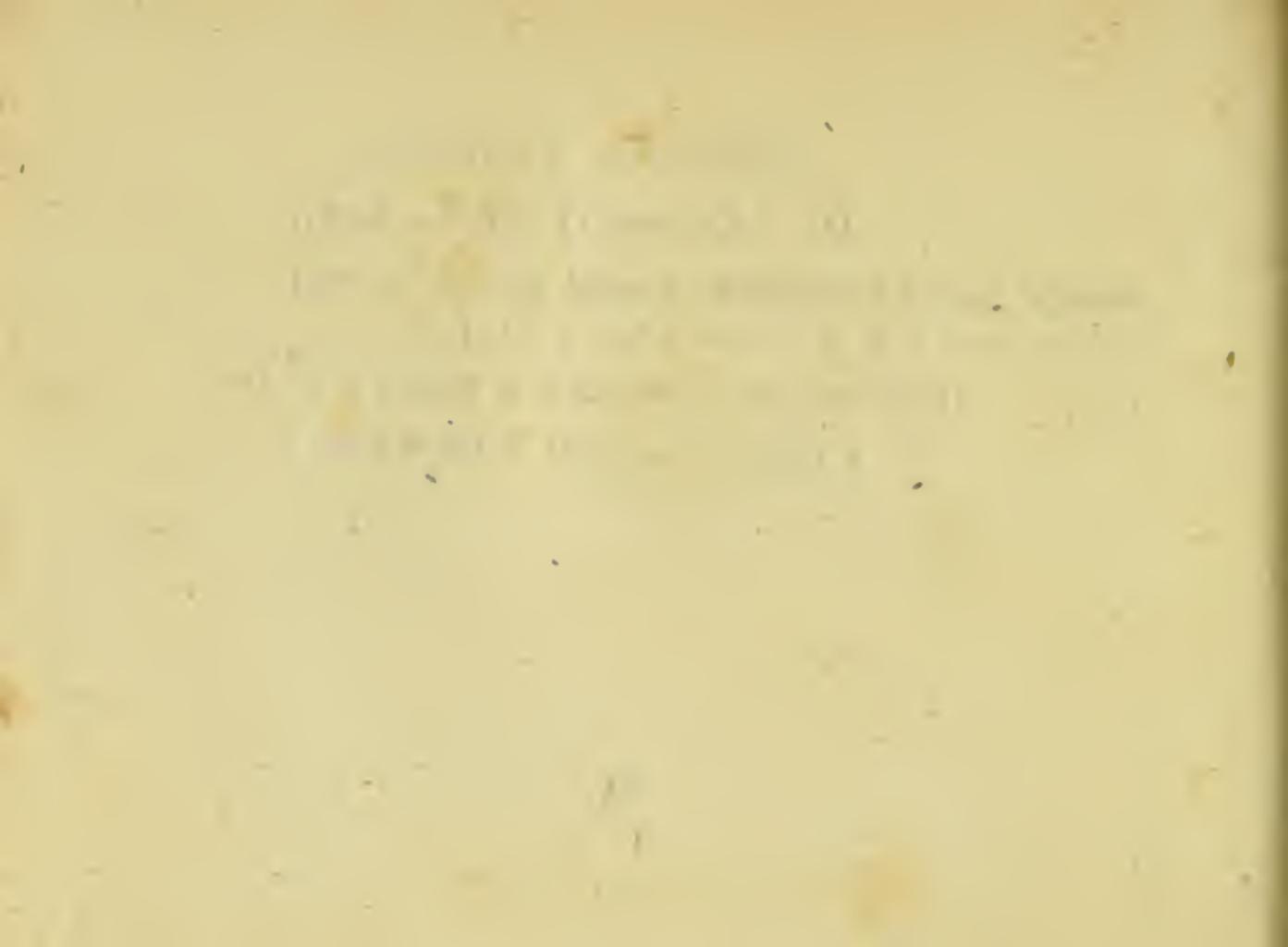
Die Krummschnabel - Laus.

Pediculus Loxiae Curvirostrae. Schrank. ins. austr. n. 1034.

Schrank. Beytr. z. N. p. 117. n. 8. tab. 5. fig. 8.

Habitat in *Loxia Curvirostra* et in *Falcone Niso*, Linn.

a Magnitudo naturalis. b Eadem aucta.





Pediculus Byrrhulae Schrank.



PEDICULUS Pyrrhulae.

Die Blutfincken-Laus.

Pediculus Loxiae Pyrrhulae. Schrank. inf. austr. n. 1035.

Schrank, Beytr. z. N. p. 117. n. 9. tab. 5. fig. 9.

Habitat in *Loxia Pyrrhula* et in *Motacilla Sibillatrice* Linn.

a Magnitudo naturalis. b Eadem aucta.

February 19, 1970

Dear Father and Mother,

I am writing to you today because I have just received a letter from my mother.

She is still in the hospital and has been there for about two weeks now.

She is still in the hospital and has been there for about two weeks now.

She is still in the hospital and has been there for about two weeks now.

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