ALWAYS BRING THIS BOOK.

IN ACCOUNT WITH

WILLIAMS & TRAVER,
DEALERS IN
FINE GROCERIES

AND
Imported Delicacies,

RHINEBECK, N. Y.

H. G. DYAR,

Yosemite, Cal.
<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
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<td>42</td>
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<tr>
<td>1 fl. Lace</td>
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<td>55</td>
</tr>
<tr>
<td>1 box Potatoes</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>10 lbs Beans</td>
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<td>35</td>
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<tr>
<td>1 1/2 lbs Coffee</td>
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<td>10</td>
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<tr>
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<td>5 ozt. Holes</td>
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<td>10 oz. Sugar</td>
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<tr>
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<tr>
<td>1/4 lb. flavor</td>
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Subtotal: $12.73
Oct. 5-10th Car. Leever
3° P. Leever
1° Car. Putney
4° P. Leever
8° Butter
1° Lemon
1° Apple
1° Mauza
2° Milk Paper
10° Oysters
2° Brays
1° Rolls
1° Tea
1° B. Peeler
1° R. Peeler
1° C. lined
2° O. lined

1° Leever
Bo. Panola
P. C. Hook
Bo. Oil
1° Raisins
1/4 Parchet
C S C Map
P. Jam
Parchet
C Butter
3 1/2 Cold
1/2 Br. Potatoes
1° Molasses
6° Fic. Soda
1 1/2 Br.
4° Gel
Leever
6° Leever
B. B. Wight
1° R. B. Wight
1° C. lined
1° O. lined
2° O. lined
1/2 O. lined
1° Molasses
6° Fic. Soda
1 1/2 Br.
4° Gel
Leever
6° Leever
B. B. Wight
1° R. B. Wight
1° C. lined
1° O. lined
2° O. lined
1/2 O. lined
1° Molasses
6° Fic. Soda
1 1/2 Br.
4° Gel

5
15
20
25
30
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45
50
56
60
63
68
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75
80
85
90
100
105

14
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<td>2 Pkg P letz Paper</td>
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<td>295 Beans</td>
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29  B Y Cakes 10
31  Bottled Salad 22
   Stone Polkies 8
   Case Apples 35
   2 Oranges 30
   5 Lagers 33
      2 Pears 36
   5 Pa C Starch 10
   PK New Potatoes 60
      Pa Rice Pilon 12
   5 Pa Seger 40
   7 A Seger 49
   7 le Seger 49
   1 lb B Powder 45
Bot Lemon 40
Bot French Mustard 15
11 1 & Pears 33
   5 Cider Jugs 50
   1 Cukines 10
19  2 1/2 New Od 13
      5 00

15  W Tea Plates 90
   11 10 3 Glass 50
   10 Far Fresh Milk 75
   16 1/2 gal Syrup 35
   6 3 Coffee mix 110
17  1 26 Oundi 45
   1 PK Cakes 10

77 5 25

June 1910 William Brown

19  1 25 Suger 14
   21 25 Pk Pils 45
   Can Apple 35
   3 50 C Mel 30
23  20 1/2 dva 1 5 20
   2 w Traye 1 40
   1 2 w Salt 3 00
   2 PK Soft 40
   Code Sauer
      2 4 Radio 36

4 9 6
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July 30  1 sq. Lemons  3.50  Aug  15  4 Catt. Sugar  82
        Paul Peard  5.00  4th February
1  lb. Royal B. Pardu  4.00  Paul Land  6.50  8th 
5" Pel. Sugar  4.30  5" M. Rent
Pa Magure Grant  10.00  7" Gaby  10
Aug  1 6 Stings  18.00  4" M. Lauer  12
1 5" C. Maple  3.00  2 Coffee  3.50
1 5" C. St. Leroy  3.20  1"  8.00
5" Leroy  3.80  27  26 Catt. Oats  14.30
1 1/2 Chast  2.20  By Salt
1" Low  9.00  80  25 Catt. Leroy  15
1" Lano Fanne  25.00  10  10 Cat. Leroy  6.50
2" Modern  76.00  10  10 Cat. Leroy  6.50
1 1/2 Leroy  3.50  10  10 Cat. Leroy  6.50
1 5 P. Laver  4.00  1" Water  3.00
5 1/2 White Piffin  6.40  1" Anchers  1.00
25 Leroy  1.30  11  2 Cat. Leroy  4.50
1 Million  70.00

Park Ag 15  65
Willmott's Farm  9.87

2203
<table>
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<td>E. Seaweed</td>
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<td>1. Caragan</td>
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<td>27. 5. Floor</td>
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</tr>
<tr>
<td>2. Cotton</td>
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2 eggs together, back of many a wild grosbey.

Yosemite July 3, 1891. Sprinkle the first half
large amranti, the basal and much
truncated. Some 20 vertical side and
numerous slight transverse ridges.

Color dark yellowish white. Diam
7 mm. Vertical height 1.2 mm

Hatched July 7. Had antennae, a black shield.

Claw, antennae whitish. 11.6 mm.
Body on 3 x 12 a short brownish 5 d.

Head of shield divided into 2 separate
elliptical patches, which with the anal
plate are gray. Body white, somewhat
covered with very minute pustules. Black
spots, few black, black. Feels normal.

Shape of shield curve 3-d. Induced with black 2 other black bands.

As the stage advances a bluish transverse
stripe appears in the middle of each segment.

Shed 3rd. Had whitish green tips to the claspers.
Head yellow, bordered with black as before. W. 3 4 mm. Body entirely black except in annulets.

Feet yellow, bordered with black. None of annulets black.

Cylindrical, very slender. Black annulets very narrow. Feet black.

Head yellow, bordered with black except in annulets.

Feet black.

Cylindrical, very slender. Black annulets very narrow. Feet black.
Musca or Rhumus? essayed July 8, 1891

A small round insect, eyes large, antennae short. Head flattened, eyes narrowed deep, especially anteriorly. In front of eye a decided S-v. line. body nearly half

rounded, o-shield, irregularly quadrilateral, depressed, unworn. clone the middle of o-shield and plate blackish. Cut 5 in. 5-1-9. 12 a definite horn patch.

Habit July 8. Head nlodded, brown, black, black

shell. lines each side of xyclines and abdomen white. W. 7mm. Body greenish white, the nose large, black but smallen on

Hair finely black, waving in head but very scarce, almost absent in front- (see B8).

July 12. Red holoclad, black in stripe, an

obtusus. Lines each side of xyclines, abdomen canted, white. W, 7mm. Body white, abdomen with black, but having a dorsal s-d. drun of the great colors and
dense, long, his almost covering anterior in 11, black. white mixed, a dense black s-d. tuft on 5, then just black, and just s-v. space of c. 13 white. (dist. soon after May)
Spilosoma vestalis Rade?

296

Little Spilosoma? a Lepid. Aug. 3 1881

Head yellow, eyes smooth brown. W. 4 mm.
Body greenish yellow, main white, veins brown. Length 5 mm. [Studied 7/5]

W. 4 Jul. 6. Hind as before W. 6 mm. Body tinged with blackish but leaving a distinct pale line.

Underside, a slender tibiaeococcus cella black, W. 2.4 mm. Ex. 2/2. Grey (black spots on a pale ground) a distinct 2-5 yellowish line. An orange spot before cn. on 11 Bristle mostly quinquecostate. Some longer white, main black & whitish.

W. 4 Jul. 10. Head 1.1 same as before.

W. 6 Jul. 15. Hind. Proximal, black in the upper part of the cella and brown to near the ocelli black, antennae pale. W. 2.8 mm. Body black, somewhat paler below the spines.

W. 4. O. 3 block 3. Meyers spinules white. An orange spot before mand 3 on 11 and 12. Hair from O. 3 black, forc...
3-6 fragrant. Fertile and fertile red, a fruit palm 5-7 long. Body blackish brown. Hair short, sparse, of irregular length. Fruit 2.6 like the above.

No. 93

Peristome on Lipinc and cement bed ended green, ovate black. W 2.5 mm. shining. Body green mottled with white. Outline d. white line, trace of s. d. in aggregation of flowers. Dick. is narrow, stipitate. Line, below spines, 4-5. Anter sparse. Spines black, angled, pit. dot. white. 4-5, line more distinct below with black, top. top with reticulated with dark brown. Anther 4. yellowish white. Cephalium black, rhombocleaved, in front with black. The writing give appearance of 0.8 cm. Nagh. Pit. dot black. Alumni sun for 5. years.

Iquitos Sep 11 1891 Cat. No. 6813

Hedina Evelina French
Striped larva on Lepine. Head boldly, the points obtuse, pointed, bilobed, uniform coloration black, 1.9 mm in width. 2 cecal bladders with body. Body yellowish green covered with white, yellow granulation, which seem to aggregate to form a s-c. line. Feet all concave.

Prothorax of Eusterna scabripes July 7, 1917. White with 3 curved genuinites vertial lines, continuing the lines of the body, a brown vertical streak in diagonal from the middle of the back. White, a few hairs. W. 11 mm. Body cylindrical, slender.

Legs much like a desert clava. Have all the motions & attitudes of one except perhaps the stick. The legs in 7 are absent; on 8 the anterior segments without horns; on 9 & 10 present, well developed, as also in 13. Yellowish white with 2 brown genuinites ibn the side, the end of the space somewhat darker, a single oblique dorsal line. On the ventral side in a median vertical brown line the genuinites line each side just like those above. Legs pale except between 9 & 10 dark brown, enlarged into a patch on joints 7 & 8 (unknown).

Mesosternum 13. Legs present on 9 & 10, with only a slight ridge but no traces of legs, on 8 & a small pair which seem to be used. Body colored as before except thorax.
the legs are rust brown but concealing with the body yellowish, streaked with brown.

The brown ventral spots are of medium size.

Stalks in 8 pairs and to the tatter legs.

(calc.)

Eggs on flowers of lily, bulbous cranes. (June 7, July). Slightly pitted, ovate, soft, flat and

slightly shiny, black, smooth. Diam. 2 mm.

hatch July 7. (Papilio Beul. Black, shiny with

a few short hairs. W. 16 mm. Body black
covered with many pale tubercles, each of

which several minute hairs. A thin

crustal patch on joints 3 & 8. (St. Jacob Fall

n. stage advances this color becomes brown

most July 12. 1st row of black shiny white

whitish, many fine black hairs. W. 9 mm.

Body black with 3 rows of conical tubercles

becoming black, hirsute, all black except tiny

nearly lateral white spots on 3 & 8. All the tubercles become annointed with reddish or brown.

Egg very obscure. Black shiny, hirsute, in short rows and

abdomen very broad, flat ended. Thorax

generally pale around brown, darker on the head. Brown scarce and slightly

streaked with black, a few black, lateral

stripes. Length 31, width 8 mm. [10/28/41]

H. C. Dyar

Snt B-33-FA, C.L.
J. July 26

Antennae smallish, at base 0.6 mm long
has conical tubes with a raised spine as before but the 3rd are the slender, this antenna being reduced 14 mm. In this it is different. The white dots are placed in the middle of the conical tubes. The white dots are as follows: 4 mm. The white dot is much more regularly placed. The conical tube is rounded at the tip. The conical tube is rounded at the tip.

The body is white with a spotted white. The white dots are as follows: 4 mm. The white dot is much more regularly placed. The conical tube is rounded at the tip.
H. G. Dyar
Yosemite, Cal.

July 17, 1912

Specimen no. 1753

H. G. Dyar

Description:

Little or no ridges on back (December, July 2, 1911).

2 large, oblong, bilobed, wavy margin, a little papery, flattened in front; pale green, 3.2 mm. long, 1.4 mm. wide, inclining black. W 2.0 mm. long, slender, smooth, on a perceptible hairs. Upper surface, green, somewhat shining, a broad yellowish green 3-d line. 

Spines black, 2-micron, black, 2.0 mm. long.

Belt large, 3-lobed, in front; pale green, 3.2 mm. long, 1.4 mm. wide, inclining black. W 2.0 mm. long, slender, uniform green, a very distinct, in the back, pale yellow 3-d line, 0.3 mm. to 0.5 mm. wide, yellow, 0.3 mm. to 0.5 mm. wide. Spines black, 2-micron, 2.0 mm. long, black, 2.0 mm. long, black, 2.0 mm. long, black, 2.0 mm. long. Scattered, very small, 2 or 3 mm. long.

Clay green, 2-lobed, black, 1.0 mm. W 2.7 mm. long, slender, 2 or 3 mm. long, black, 2 or 3 mm. long, black, 2 or 3 mm. long, black, 2 or 3 mm. long.

Body acuminate, leaf green, with yellow, yellowish at base, 2 or 3 mm. long, black, 2 or 3 mm. long, black, 2 or 3 mm. long, black, 2 or 3 mm. long.
July 8.
Egg 88 29 1 a. poplar (shell on same tree as 29) was got like egg hemispherical, the base flat smooth, color and blushings white. Breast 1.1 mm. Singly on outer surface of the deck. The micropyle is thinner than other part of the shell. Hatched by a hand in the side; shell was eaten.

Hatched July 13. 4th object bleeding black & ting, abdomen white. E fan hair. 6.6 mm. Body pale white; e-shield, and plate & thighs feet black. Ventral spine dots 4, 0, 8. The brain black.


July 15. A 9.73 oz. A 12. 5-3-3 ninth. Feared one of the shed.
in the base, much flattened, smooth, and blunted (black when found)

Color: granules 1.8 mm.

Larva 12 stages /11 just shed. Had rounded, smooth shiny brown, somewhat rust-colored, occelli block, a few very short hair in lines

Jnk W 1.2 mm. Body (enlarged 2-5, normal 6-10, about 

a rather square).

A shield broad, pale brown with a rounded eminently pilose process at each side.

On 3-5 10-12 a series of 2-4 pointed shining brown tubercles with a median d.

A lateral one in 4 & 5 - all other undetermined.


Paler externally, below, joints 11-13

entirely very pale brown. A dense white patch on 6-7 (10-9 in 8) running down & obliterated or at the sides. Feet pale.

Ante. 8, slightly whitish, black & shining, elytra brown with antennae pale.


Calc. 82 1.27 1.95 3.0 4.6 ratio 6.5

Found, 8 1.4 1.9 3.0 4.5

They all average those tubercles each side 1 or shield, 2 or 5 d were generally tubercles three or joint 5-9 much smaller than the others. Body velvety, black with a white 'coddle' on 7-8 and the cervical shield pale brown. Upper 3 from (5th) 

No. 2 July 14 had rounded, fairly smooth shiny pale and dish horn. 

Body enlarged 8-6, elsewhere of mean, uniform size. On 2 a strip from which protrudes the folded tubercle on each side of it is a rounded tubercle on each side. The other tubercles are rounded, smooth, much reduced in size. 

The dorsal ones on 4 are brown, the 2nd

13th having a small blue dot elsewhere

1 separated by a black line. The 2-d on

12 & 13 are colored similarly. The 11-15 on 25

5-greenish, 2 on 5 having a blue dot above

s-d on 9-11 very small, turquoise blue, all other nearly indistinguishable. Color

rather dark green, very minute, dotted
with whitish shading into white s.v.
and yellowish pale yellow. On 8-10 a
white saddle, as before and 12 & 13 white
dot. Test all pale. Fairly well de
by Whitman, band. A few white dots
on the ant. eye, added on 13.

Jn 14, 19, 20, 19, 21, darkened, partly
contracted, part
shrunken from, whitish, around the mouth
ocelli dark brown. On 3 mm Body everted
3-6, tubercle gone except the angular. In
numbers 126, 126, dotted
on 2 & 12. Dark green, blackish
white side in below a narrow yellow line
on 2 ant., covering 5d. on
numerosities. On 4 A
marking in the place of the former tubercles,
which are reduced to rudiments. A yellow
yellow dot, behind with black jird below a
blue dot, a yellow ground yellow patch
covering 2 & 3. Indeed and black is divided
by a black longitudinal line below and
catering just above 8 & a blue dot in an
reddish ring on 7-8 the dorsal lateral
saddle, creamy white and broken into
several spots. On 8-10 faint 5d blue

9 Images Jan 21, 1892 Papilio nitens

dot representing the abdomen on 2. On
the side a creamy white mark & more
short transverse bar, covering small tubercles.

A faint whitish, oblique line on the
median bet. 12 & 6 a black band edged yellowish
violet. Certain 6. a saddle zone, dot in yellowish short
violet transverse whitish band or 12 faint & broken.

Jn 15, 20, 21, 22, 23, 24, 25, yellowed, flattened in front cipper, corpora
it cutings, dot 6, narrowly chequered, with pain julie
pinkish brown, whitish in brown ½, ocelli want of
brown & post whitish, vivid 4-5 mm Body everted
4-6, tapers to a real slightly. smooth, unit 1 tubercle.
2 yellow o. Body smooth green yellow, dots brown
brown, A, B, C, D, E, D drip blue, show, C, D, E.
On 5-7, 8-11. On 6-12. Body
6, black band yellow, in front, in cutings, 9-11. 1d.
mark on 6-10. D yellow, black edged, half
blue dot, E, F, G, circular ground D. edging
ever irregular, brown a with black line
and reaching edges. Blue spot in center broad
black line. Exact, as in 9-11, except.
mark is not true cotton, flame ½. pink rounded
and as pigmented, as usual divided to
the back in broadish 1 dot blue and violet, plus
tuberous to pale slightly. margins. The upper
ces to yellow, dark. as A, D, clean elongate &
not confused on the upper end. Length 46mm
Head square is varied through the ends 2 dark brown
patches. 42 in the center & 24
Page same as 207. No. Cyanea solid green L 36 W 10
Physiodes? eating the inside of a Zinniate leaves & making a little web. July 10, 1891.

Stage 1. Head shiny black, w. 3 mm body cyl. c. sh. 1 anal plate black, fine black scale cut curiously.

Main spines minute. 3/4 elevate. 3/4 column pale.

Stage 2. Head obtuse, bilobed, shining black, with a few hairs. W. 6 mm body cyl. c. anal plate black, spined processes, densely spined, and long, non-cyl. black then real black. Pale.

Body blackish on dorsal half with a black choral line S-V and ventral region pale whitish. The first black, anterior black.

Proceeds as indicated.

[Sh. 2d 40]

Stage 3. Head black & shiny. W. 35 mm body cyl. carinid with many spinous hairs.

Body black, greenish, black & black.

Body black, greenish, black & black.

Body black, greenish, black & black.

Body black, greenish, black & black.

Body black, greenish, black & black.

Body black, greenish, black & black.

Body black, greenish, black & black.

Stage 2. Head black, shiny, with a whitish streak from the sides of the ventral region to the sides at the ventral region. W. 1.8 mm body cyl. black above, yellowish below with a spotted greenish or yellowish dot line. Carinid spine white, 3/4.

Stage 2. Head black, shiny, with a black dot line. W. 1.8 mm body cyl. black above, yellowish below with a spotted greenish or yellowish dot line. Carinid spine white, 3/4.

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Stage 2. Head black, shiny, with a black dot line. W. 1.8 mm body cyl. black above, yellowish below with a spotted greenish or yellowish dot line. Carinid spine white, 3/4.
Physeide angusta

Casca: 8.1, 1.8, 2.1, 4.1; ratio: 0.66
Date: 7/11
9.8, 1.8, 2.1, 3.8

Green, not shining, not exhibited
Black bluish black, colorless, somewhat

Very shiny, dark brown, very shiny, dark brown

Physeide angusta
H. G. Dyar
SIT 3, 33 F.A.C.L.

mothed with darker brown, a white saddle or 8-10 points of dark reaching down forward within sides. Pale labradority, a blackish-red line. J2 is yellowish, slightly paler than the rest of the body. Below ground in 3, 4, and 6 is a velvety black spot. Body enlarged 7-8, slender, narrow.

As stage 3 the color becomes a greenish cast.

Mothe of 3 much as before, with head 2.5 mm.

Wing yellow, the tip of the outer edge of the wing orange/ginger. Body dark green, with which 5-7, only traces of saddle left in 7-8. Wing with whitish patches. A brownish elongate brown spot on 7-11, a small elongate brown spot on 7-11. A small brownish elongate blackish-brown dot; below is a blackish-brown dot. A small dark brownish elongate green spot, or 2.5-3.5 mm.

H. G. Dyar
SIT 3, 33 F.A.C.L.
Yosemite, Cal.

Calo: 1.04 1.61 2.47 3.8 ratio: 66
Found 7 17 24 3.8

G. G. Oyar
Aug. 9 91

Special on Poplar July 12, 1891. Old subject. Male, mouth point: dark brown, shiny, mouth & ocelli darlker, a few short hairs.
W. 6 mm. Body enlaged at 12 dually in a trumpet, feet normal. C-shield distinct, blackish, as is anal plate.

Small black spicular spots on body.

Body pale green, feet all black. Antennae:

In process a 12, simply enlarged dually.

B. Eat down leaf, sits on the midrib.

Red rounded, pale green, not shining, mouth antennae & ocelli brownish. A few short blackish hairs. W. 1.6 mm. Body cylindrical, a slight s-v. Fold. 9. 12 enlarged dually & continued into a process like a tapering horn pointing straight up nearly 1 mm. long.

C-shield: anal plate not distinct, con. whitish.

Color. with the body. Body pale green, not shiry, an oblong, yellowish strip. Oleache below which is a dark red.
Looking like a small Allium, cal..

H. G. Dyar
Yosemite, Cal.
Some examples from plants which lack the blackish band are always present.

Egg: as of July 12. Hemiphteral, more flat, covered with intestinal strata, none of which do not reach center. Anterior black: diameter 7 mm. (Fig.)

Crests consist of few thin, even distance apart: usually lining entire back 25, which extend back to the shoulders with considerable firmness. L 26 W 8 mm.

Cooper on willow, July 19, 1891. 14d. hold our float in line with a which is grayish, bluish gray, a pale bluish blue and blue v-shaped one of the bluish. Body yellowish and with a S-shaped, brown, black head. Body brown, black, S-shaped, brown, black on 5-12, largest 8.9 in. at a green size 20.2.4. Color dark gray with bluish green and bluish green on some of the bluish. Very distinct markings. Resembles very closely a wood nymph. (Captured). (Aug 7, 1891)

Insects Aug. 8. Cooperina coloradens (L.). 5784

Cylindrical and rounded, 14d. hold our float in line with a which is grayish, bluish gray, a pale bluish blue and blue v-shaped one of the bluish. Body yellowish and with a S-shaped, brown, black head. Body brown, black, S-shaped, brown, black on 5-12, largest 8.9 in. at a green size 20.2.4. Color dark gray with bluish green and bluish green on some of the bluish. Very distinct markings. Resembles very closely a wood nymph. (Captured). (Aug 7, 1891)

Insects Aug. 8. Cooperina coloradens (L.). 5784
H. G. Dyad
YOSEMITE, CAL.

Egg on oak, Yosemite, July 20, 1891. Rather more than hemispherical, hair, flattened, smooth.

Young stuff, without a yellowish tinge. 12 mm. wide.

Hatched July 21 40. slightly infested, covered.

Shiny pale greenish with a few hairs.

Mantle, ocelli black. W 1.75 mm. Body slender.

Feet normal, no tibial, no bristles.

Amorphous, shiny pale yellowish green. Setae minute with the sphen not evident, blackish.

Stage advanced green with yellow set. line.

Mantle: 2.5. Head more or less greenish as before; W 1.55

Body pale green, annulated with a broad set line from 2 annular annuli.

Plate: Sphenacles black (See 88 301)

Mob 25. Head 2.4 mm. [Sh 66 2.5] (See 88 301)

Mob 3. Head 3.3 [Sh. 3.3] Just like 301.5

Mob 2. Head 4.5 full, unlined, slightly extruded in 2. Observe the green, a light

Shiny, ocelli black or white ground smooth.

Yosemite, Feb. 19, 1892. Endanag, California.
315

Spiny on grape vine. Heads, slightly lobed; clumps large, male green, not shiny, small, brownish, W. 7.2 mm. Body normal, cylindrical, acuminate; with very minute hair, a very long, sparse, scattered horn (4.4 mm) uniform pale green. Horn black, faded at tip, minute, acuminate, brownish at base, Vara 9 mm, base 24.7 mm, cave, W. 1.4 mm. Body acuminate, minute, acuminate but left smooth, pale green, white. Horn long (6.5 mm) acuminate with smooth horn & curved with beta.

Note 27: 27 Horns as before, mostly pale green, well-bladed, W. 2.2 mm. Very pale green, curved with coarse pale yellow granulation, which are closer together in calyx, places slightly confluent giving the appearance of a 3rd line 2. 12, and a lateral (bottom right) obtuse horn on 6-11 each. Move 9.
Eggs like forktaek on willows, poplar July 27 '91.
Slightly more than hemispherical, the base flattened, smooth, substomach black, under glass very minute, punctured. Granum about 1.5 sq. mm. Black, ovoid, pointed at the edge with fine regular spines. Spines which become very small at the neck. Pores between them the surface seems smooth with a few extremely minute punctures.

Hatch Aug. 28 '91. Hard round, cleaving, dark red brown, almost black, clothed 1 mouth, a few small hairs.

Petals yellow, calyx brown, w. 5.5 mm. Body smooth, even width, a pair of sepals, 3 cm. Spines 2 mm. Process on 2, the small featherm tipped with a pair of spinose setae. Setae 3 cm. Blackish red brown 1 vert. Whitish, an oval area in 12, the 3 oval greenish patches, one or 3-5, the other 3-6, elliptical, diffuse of thin ends. On the body are six number of minute spots.

Each annulated with yellowish black, the white yellow before these tips. Extends at 3 cm.

Spines white. Body hemispherical black with white points before these tips. Extends at 3 cm.
Eggs, 3\(\frac{3}{4}\) inch, green, June 29, 1891.

Hemisphere 0.45, nose flat, smooth, apical crown with the tiny whitish green microgyra round, small black, under the 1\(\frac{1}{2}\) x. 0.12, covered with irregular flattish asterations, most raised above surace of egg curved as in the egg of \(E.\) proxima. Cerenus but more angular, from quadrilateral to hexagonal. 0.011 cm.

Got another 291 mature and same, except the spiracles are more prominent than average) on Populus tremuloides at Kansas Valley, Ill. June 29, 1891. Walled July 1.

Are these \(E.\) plumulae?
H. G. D. 
YOSEMITE, CAL.

July 31, 1891

Cabc. 1.05 1.51 2.16 3.08 4.04 ratio 70

Found 1. 1.5 2.2 3.1 4.4

S. T. S. L. 31. Egg (hatched) elliptical, flattened above and below, smooth, 2 x 1.7 x 1.3, slight shining, [green?], under the microscope covered with rounded minute shallow depressions.

Stage 1. Head rounded, slightly bilobed, green, slightly shining, dotted with yellow, not granulated with a yellow, hair from before eyes and side meeting below vertex. Antennae 6 lamina white, pairs 2 ocelli black. W. 2 mm. Body annulated, shining. Fuscous and dotted with yellow with a distinct pale yellow mid-line and over a lateral line 5-12 occurring above a black, the red line but dislocated except in 12 where a single distinct line runs to base of horn. Horn annuated. Palpe dark red, pale at base, 2 mm long, can cast 23.143

Stage 2. Head 1.5. Like Stage 1. Horns clear.

Foot 3.4. Hol. 4.4. Had triangular hair vertex obtuse, rounded, slightly contracted, lateral.
lines greenish white, except the back. 

which is on 11 to 12 to base of horn, 

creamy white. Horn tapering, minutely, 

granulated, pale blue, pimpled at base. 

with a green at tip. 4.5 mm long. 

Anal plate 2 leaflets of which 1 is pale, 

food with faint 

yellow borders. This food can’t be 

specifics, white with narrow black edge. 

11.9 cont. 

brown (entire depth) adjacent 

brown to rusty; creamy brown with a few 

amniotic yellow spots. 8.8 mm body; 2 swell 

its egg sacs 

becomes concave, stains, aphid. 

small rounded 

small sativous tubercles, apparent, 

it arranged; anal pits & stomata. 

Bood most brown with 2 dorsal elliptical 

patches of yellowish green, the inner 2-6, 

the 

3-8-16, ecrs region 1 all fair pale white. 

Tails red brown at basal half, then blackish 

with 2 squared white marginal. 3.8 mm 

Ab. ad. and patches larger, form 6-7 colmatine 

observed divided by a brown dense line. 

in the whole esrail region become pale except 11. 

Mot 3 very 8 it bright; them wide, rounded pentagon 

flattened a few; needle状, brown thinly covered 

with white spind yellowish ept, then becoming 

a narrow lining the ground color on each side capital 

bottom above rhombus, umbilicate white 1.6-2 

both enlarged at 2, a pair of deeply stained 

elements; that minute, spiny, the antennal 

176 cont.
0: 6 & 7 longer than the others.

A few small spines. Body green, shield colored, a few black dots. Base on the side, pink, mouth parts white; 2:19:42. 2.6.

Tails: 2+1, 3+4, 4+5. In a patch of the ground color, faintly visible by a brown discral line. 12 & 13, the band is faint, only stringy these segments. Tails red-brown, turned annulated with green, x. 4.5 mm.

2.9/10, 11/12, 12/13, 11/12, 12/13, 13/14, 14/15.

The central discral line on 12 & 13, gradually widening to approach on X, and then narrowing to a line on 7 at the highest point, rapidly widening 

reachign apically, on 8, then narrowing to a line on 12 & widely leave annulate, slit on edge, with yellow content, on 6-9 are oblong

yellow patches which is broken by a narrow brown entrained line & the brown tubercles. The ends of the bag, are clear green dotted with yellow. The

and annulate tail yellowish green, the gland, are yellow, ventral spines, whitish, 1.2

edged and yellow on the side.
Scleroma? on mand. Upn. Aug. 2, 1891. Egg shell oval, from 2.6 mm. by 3.1 mm., dark brown, covered with very narrow, slight, elevating line. Siphuncle very vague, as micropyle. Sides of apert. large and bilobed, rounded, very oblong. Blackish horn, yellowish at very, vs. alike. Black, a few hairs. W. 5 cm. Body c. shield with a

jewel. Tentacles: 5 & 12 slightly enlarged.

dorsal, few normal, but anal pair elevated. 

Foot covering smooth, tubercles, normal in arrangement. Foot, none, which in normal at the end.

dorsal, each with a long pair. Body having yellow, brown & lateral region wine red.

A. anal plate, tubercles & anal part.

Blackish, other part shiny black.

Shed fig. 1st bilobed, high, margins to rectly, 1 leaf in front, 1 tubercle at rectly. Each lobe; w. 1 cm. uniform brown, not being, not divided.

Body at first enlarged distally on 5-12, the tubercles very large, especially, small, oral smooth, each with a short, outer, anal very elevating, foot attached. Transparent and
316 cent. mixture chalk. Dependent on 3-4 row. Notes that correspondingly to a row of 0-5 small square spots. Diminished from a 5-6 row. A row that correspondingly to a row of 1-2 small square spots.小型方形。3-4 row. Every square, on 2 mark. A line. Landmark near a line on the elevation of 3 rows. Second row: small, medium, medium, medium. Minimum 6 to 8. Medium to 11. Mark. Attributed to a row. Section, checked with block. Small square around it, broader. Containing a darker square. All 6 at line. Decreased from dot. Represents: this interval. Tied on 10 past 11. Elliptic cut, covering oval spots. Large square replaced by white pink. All the salivary bundle by a continuous yellow line. Drawn by narrow, meet at lower. At base 6 triple oval with yellowish green. Square that begins to stage advancement. Square slightly greenish, with dark brown edges and on the lower trended by a narrow yellowish line. Patch on rear, three times more than the other. (Note on rear) Deeper than the small. Flattened. Those on each side past to the right. Near the base (2 square, these patches are long or contiguous) 6 small, greenish yellow. A small, faintly suggests the same. Patches with a color, yellowish greenish. The main, yellow don't. Darker central. Between the yellow. 2 row from top. Major attack of small. Focus on row from top. Cylindrical, slightly flattened ventrally, the lent domed, no saddles. Upper blackish brown, the cases darker, almost black with smooth less adling them the old. 1.14 W. 2.17.
**Spermacoce**

Small, white, narrowly ringed with black. Tubercles of nearly uniform size except anal on 12 which is rather larger.

**Description:**
- Head smooth, slightly depressed, green; ocelli and jaw black; labrum and antennae tinged with brownish; w. 4.5
- Body very large especially at 3-14, the head 2.2
- Anal on 12
- Tubercles 1-5 are reduced to small black, black, ringed spots to 3 on 2 and 4 in...
2-4 very small tubercles, conical, bluish, black matted at base and beady in a few Esp.,
1 on 3 & 4 large tubercle, and very long, with short spines & a broad elevated black band around the middle, 0 on 5 & 6 und a similar but slighter, the black ring broken with several confluent elevated black spots.
1 3-12 yellow, on 6-11 spine-like shaped small, with no spines or black marks.
2 3-3 similar but white with a black ring or base, these on 3 & 4 slight spine with small black spine the rear conical.
3 like 2 but smaller, directed backward a minute spine on the rear as 3 & 4. The tubercle on anal plate are very small black & black matted. Body smooth, leaf green, the feet all tubed with yellow in turn the blackish. Anal plate instead with a yellowish shade. Spermatic, white.
with a very narrow black border.

Length 74 mm (average) width 16 mm
Another similar but with a trace of any

There are little scars representing tubercles on the middle legs.

Tubercles 6-11, on 3-5 0 normal 2 reduced to minute bluish black matted spots, 3 absent. On 12 the anal-tubercle only present. The spots on 2 and small tubercles on anal plate are present as in the normal form. Otherwise same.

Cocoon found in silk in a white tube 7-10 in length 100 mm. a 50 mm. wide, 20 mm. thick. The body is formed of a structure very hard and very thick with almost the appearance of a ring, almost truncate, character in a large rounded from nearly tuberculate but entire; spines almost absent, incisions marked. Antennae case large, covering half or more of the wing cases, marked in the form of antennæ-ions, cases closely wrinkled; corne black, almost smooth, a brown tint appearing on the club, says, yellow and eventually. Length 27 mm., W. 19 mm. Stigmen 14 alae.

Date: 12 June 1892 B C 264 6960.

Attacus cecinoti
Calc. 1.1 1.6 2.2 3.2 4.6 ratio 70
Found -- -- -- 3.3 4.5

323 (see 5834)

Pseudobosia elongatissima, syn. Mangavita, 191
Female, July 12, 1891, H. Bond, living

Venomous black, with a number of coarse
pale hair, 4.3-4.7 mm. Body cuticle soft
blade, with having a dull comminuity
thin. Spinach pale brown, chestnut, and feel
dull comminuous. The spinus are arranged
much as in F. c. neotoma, but more comminuous

D8-12, a couple dorsal on 12 and 13
just behind the regular tarsus on 13, more
on anal plate. D lateral 2-13, 3 and

2-13, 9 alveolares 2 eggs on 2-6, 11,
12 and 13 and. (i.e. on thoracic and legless eggs)

1 consists of a dense bunch of dull yellow
spinus black at base. Other other rows
have a distinct black oblong from which
radiate many smaller spinus with a hair
at the end of each. On the body are many
soft pale brown growing from the skin
3 / 2 mouse anal plate slightly black.
At stage also whole body very alig black.
Calc. 47 75 1.25 1.84 2.7 [3.7] ratio 68.

Found — 1.3 1.9 2.6

Apple 324

Adiastoma in tro on maple, trail Snow, Aug.

12, 1891. Shells, incompletely, but rounded
at base, a little ventrically. Surface slightly
hairy, under microscope, diadome-marked, hexagonal.

Afterwards, their boundaries not distinctly
raised and bony distinct enough to form
areoles at all. 2.8 in. Hatches by large node in top.

Foot. Heel rounded, higher than wide, narrowing
slightly to ventral. Frontal calcareous, e. tubercul
shaped, each edge of each node slightly round.
3.2 in. A slight dorsal hump on 5, 12, post.
sphen. Elevated, with a central plate black, the
former bisected. Tubercles rounded, smooth, dark
black, the dorsal ones, especially on 5-elongated,
slightly (4)

(1) next, dorsal (2) s. d. (3) lateral, (4) sub-sphen.

(5) c. c. s. v. and s. post. (6) on ventral, deeper eggs,
their are several supplementary black dots on
the anterior edge, which makes the arrangements
not normal: on 13, and pair of s. d. ventral.

5. s. v. and s. post. (1) s. post. (2) s. d. (3) lateral.
Body yellow with s. d. and sub-sphen, which line.

On the space beds, broad and daed, became filled
up with white, dividingly the fume line,
edged below with brown, distinct only
C. 11. Specific enumeration of tubercles: On 2 (1) three
on sphenid, each than (2) lateral (3) 2 anter-
2 s. d. sphen (16) lateral and small (17) 2 arc. (18) in line (19) post. (20) below and
(21) above humps. On 3, 12 0 ventral, and.
(22) s. d. (23) lateral (24) sub-sphen (25) 0-ventral (26) post (27) on ventral, deeper. On 13 (28) 2 (29) d. (30)
2 lateral (31) 6. v. and (32) dots on ventral see
on each half of anal plate and on anal post. below
(22) post. (33) higher than wide, rounded, anterior
ashes, no tubercles. A few homochili
hairs. Subdorsal, shiny blood red, smooth, hairs
and anterarcial black; 0.6 in. 2.6 in. Rod yellow, slightly
more, bluntly 5, and a very faint knob with it in the
humps of 5, 12. Tubercular elongated, especially
on 5 3, 7, 0 8 in. 0 5, 7, (primarily dimin.
shaped, tube 0.6 in. 12, 0 especially long)
and 0 12. (0) on 5, 7, 3 the longest, fused or fusing
up to as much as 1/3 a year, which yellow jet
blonde. A dorsal black band, formula 5, d. lateral
5.7 of s. v. filled in with white, all about
0.4. Dorsal slightly hunched on 2, 4, and 13.
C. sphen bisected, anal 14. 0 7 post. Yellow bands.

Ashrobich bands along edges (1) sides.

Written as in 19 stages, head 1.3. Each tubercle
with a hair. Length of trace 0.10 mm.) was
24. 7 in. from line upper bed at 1 s. d.
and lateral) and 25. The lining is zigzagged
nearly as much as double as

Was
extend ground 1.25. Corn sprouts upon surface of ground, with perfect, adult, white, flower head very long, 2.5 cm. cylinder, rounded at ends (not forming true sprout). Thorax smooth, with a curved spur. Frontal depression behind it 0.5 cm. long. First free edge 0.5 cm. wide. Femur ventrally smooth, straight to the anterior. California 2 short stalks, forked.

Lima Feb 6, 1972, L.A. 6935

23 Adirondack Valley 2, 54
January 1942. Butterflies 1, 59

Chaffinch 28, 1.5. Butterflies. 1.99
5 mm, 5 mm across, and spread as far above the anal mark. Color uniform from center light to shade L 13 W 5.5 mm.