## MEDFORD MAIL TRIBUNE, MEDFORD, OREGON, FRIDAY, JUNE 17, 1910.

THE LESSER PEACH BORER

By A. A. Girault, Engaged in Deciduous Fruit Insect Investiga

The cocoon is constructed of ple-imargin of each of the abdominal seg-

tion for the Department of Agricul-ture.

CONTRACTOR OF CONTRACT

## \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Half A Chance

a hand to his brow. "Last night." was riding with him." "And he didn't mention the matter?"

should he have gone away?" he murmured, half aloud. "Was it because"ces of bark chewed into fine hits, ments, some of which may be more or He walked to the door, at the thresh-old stopped and looked back. "You might begin your inquiry by learning all you can about this little trip," he suggested. And he departed.

uther of "The Strollers," "Unader the Rose," "The Lady of the Mount." Etc.

BY FREDERICK S. ISHAM.

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"I'mat I do. Not likely to forget Unmanageable; one of the worst. Was transported for life, with death as a penalty for returning." A slight came from the nobleman's

Lord Ronsdale's eyes half closed "A heavy fisted, shapely brute, with nuscian like steel, but ignorant." He ingered on the word. Then his glance enly lifted. "Had something on his arm; recall noticing it while the bout was on!"

Mr. Gillett, with a knowing expres don, rose, took a volume from a bookcase and opened it.

"The 'something' you speak of, my ord," he observed proudly, "should be here. I will show it that you may appreciate my system, the method I have gathering and tabulating data. You will find an encyclopedia of information in that bookcase. All that cotland Yard has and perhaps a litde besides. To illustrate, here's his "Gillett's fingers moved lightly ever the page. " Testimony of Dandy oe, downstairs at the time with landady who kept the house where the erime was committed. Heard Frisco Pet, who had been drinking, come in, go upstairs, as they supposed, to his own room; shortly after loud voices; istol shot. Landlady and Joe found an, Amy Gerard, dead in shabby ittle sitting room. Pet, the worse for iquor, in dazed condition at a table, end in his hands. Testimony of Joe corroborated by landlady. She swore so one had been in house except pardes here mentioned, all lodgers,

"Private mem.-House in bad neighrhood, near the Adelphi catacombs. a of landlady, red headed giant, uso one time prizefighter, used to live ere. The Pet's last fight in the ring was with him. Later Tom took to the ad. Was wanted by the police at the me of the crime for some brutal ghway work'- But," breaking off, I am wearying your lordship. Here the markings on the arm of the Frisco Pet. Perhaps, however, your lordship em't care to listen further."

"Go on?" The words broke sharply from the visitor's lips; then he gave a etallic laugh. "I am interested in this wonderful system of yours."

Mr. Gillett read slowly, "'On the ght arm of the Frisco Pet, just below

put over." "Gone away!" The nobleman lifted "It was only yesterday morning I

The visitor did not answer. "Why

. . . . Several months went by, and John which it incloses. Steele saw nothing further, although he heard often, of Miss Jocelyn Wray. His business to the continent, whatever its nature, had seemed sufficiently important to authorize from him to her in due process of time a short, perfunctory message regretting his inspindle-shaped, and is brondest at robust abdomen and straight anal ability to present himself at the ap-

the first abdominal segment. It has tuft. Probably the most available secpointed hour at Strathorn House, A number of supposedly prospective all characters normal to its family, ondary character, however, is found clients had called to ask for him at The setace are sparse and minute. In the frenulum, which in the female his office during his sojourn on the The spines of the first abdominal consists of two closely applied, long, other side of the channel. That was segment are very weak; in the fe- and slender spines, while in the male to have been expected. But one or two male there is but a single row of it is single and slightly shorter. This

of these by dint of flattery or possibly these after the first abdominal seg- character is concealed by the front silver lined persuasion had succeeded ment, and in the male after the 6th wings, in gaining access to his chambers. "I should like to have a look into abdominal segment. The secondary The adults emerge from the pupae

John Steele's library. I've heard it's sextual characters are therefore dis- in the morning hours, generally beworth while," one had observed to the tinct. The cremaster consists of \$ tween 7:30 and 9:30, the males issu- Phone 1861, Valley Auto Company, butler at the door. "Only a bit of a stout spines surrounding the anal end ing slightly earlier than the females. peep around!" His manner of putting Structurally the pupa is similar to They are more likely to issue on clear his desire, supplemented by a half that of the peach borer, but easly days, being somewhat retarded by crown, left the butler no alternative save to comply with the request until size and lighter color, by the smaller time of evdysis the pupa, which is the "peep around" began to develop and lighter cocoons, and by the more projecting from the cocoon as desinto more than cursory examination, when his sense of propriety became outraged and the visitor's welcome ter. The pupa varies considerable in povements of the abdominal segments was cut short.

"He was that curlous, a regular raging about 14 mm, Paul Pry," explained the servant to John Steele in narrating the incident nearly white, gradually turning dark- sclerites of the head and wings. Alon the latter's return to London. er and darker to its natural color most simultaneously with this part-"Seemed specially taken by the re after several hours. As the instar ing of the pupal integument, the moth ports of the old trials you have on the shelves, sir. 'What an interesting collection of causes celebres!" he kept remarking. 'I suppose your master makes much of them.' He would have steel-blue black a couple of days be- The actual emergence requires but a

been handling of them, too, and when fore emerging. Emergence, however few seconds. At this time the moth I showed him the door-trusting I did may be delayed several days after is perfect but for folded wings, and right, sir, even if he should happen to the assumption of the color. In the can move with a peculiar jerky, glidbe a client-he asked more questions cocoon the pupa is naturally cover- ing motion when it fails to the ground before going."

"What questions?" quietly. "Personal-like. But I put a stop to

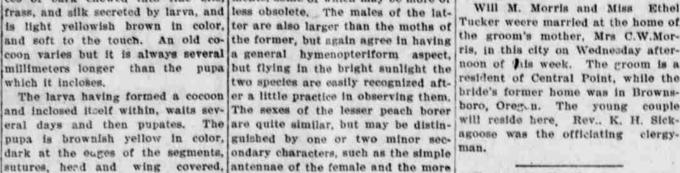
ies according to seasons and latitude. to a convenient place. During the that.' At Myrtle, Ga., and vicinity records unfolding of the wings, when the For a few moments John Steele said of actual instar obtained during 1906 moth is weak and delicate, it is probanothing. His face on his reappearance from pupa first formed, in the late bly in the most critical stage of its in London had looked slightly paler, winter and early spring, shows a max- existence. If it falls, it is likely to that of a man who, strongly assalled, imum period of 32 days, and a mini- injure the soft wings and become criphas made up his mind to do battle to mum period toward the end of April, pled, in which case it will almost certhe end. With whom? How many? of 20 days. In the latitude of Wash- tainly die a few hours later. The "You will admit no one to my cham- ington, D. C., records obtained in slightest injury at this period apbers during my absence in the future," 1906, for first pupa formed in April, pears to be fatal directly or indirectsaid Steele at length to the man stern- the adults emerging early in May, ly. The wings begin to swell at once ly, "no one, you understand, under give actual pupal instar from 20 to and slowly expand, becoming normal any pretext whatever, even"-a flicker 30 days. By the middle of May in after about 8 to 10 minutes. After he should say he was a client of the same latitude the peciad instar expansion, however, they are still at Tryon, N. C., as being about 26 weak and unfit for use for at least mine."

days during May, 1904. These re- another half hour. cords did not include the several As soon as ready for flight, the days spent in the cocoon as a larva, female moves to a convenient place and, taking position, begins to attract

Immediately preceding the final the males by elevating the end of the

meetings have been very successful, and a large number of people have been soundly converted it is believed. lieved

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finely granulated structure of the lat- cribed, commences peristalsis-like PARRY AUTO LIVERY PHONE MAIN 3141. length, being from 10-17 m., ave- which after several seconds cause the Agency for the Parry Cars. Rogue pupal integument to part rapidly River Auto Co., Frank H. Hull, Prop. Just after formation the pupa is along the meson of the thorax and the Medford, Or.

VROMAN approaches its close, it turns darker begins to move forward and glides A. L. and darker, gradually assuming the out, the forelegs holding to the nearcolor of the inclosed moth, becoming est object to prevent it from falling. PLUMBING & HEATING CONTRACTOR

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the elbow, appears the figure of a man in sparring attitude done in sailor's tattooing; about the waist a flag. he stars and stripes in their accusand colors crudely drawn, but not to e mistaken by noting following defects and details'--which," closing the book, "I won't read."

His lordship's head had turned. "A good system," he remarked after an interval. "But my purpose—the purpose of my visit-I-we have wan-dered quite from that. Let us, I beg of rou, talk business. I believe"-the vis-tor moistened his lips-"I believe I ntioned-John Steele when I came

"I am all attention, your lordship." Mr. Gillett's manner was keen, enerstic. If he felt surprise he suppressod it. "Good! Your lordship's business cerns John Steele."

"For reasons that need not be mened I want to find out all I can bout him. That, I believe, is the sort of work you undertake. The terms for your services can be arranged later. It is unnecessary to say you will be well paid. I assume you can com-mand competent and trustworthy help; that you have agents perhaps in countries?"

Mr. Gillett nodded. "If your lordhip would give me some idea of the rope of the inquiry"-The long fingers opened, then closed

tightly.

"In the first place, you are to ascer- 40-acre farms joining Fort St. James tain where John Steele was before he came to England, how he got there, what he did. Naturally if he has lived in a faraway port you would seek to know the ship that brought him there, the names of the captain and the

"It shall be done, your lordship," reed the other quickly. "I shall embark in the matter with great zest and, I may add, interest. If I might e so bold, may I ask, does your lordhip expect to find anything that would-ahem-cast any reflection on the high standing John Steele is buildup for himself in the community

A shadow seemed to darken the mask-like features of the visitor. His gaze at once glittering, vaguely questioning, was fastened on the wall; then slowly without answering he got "Surmises are not to enter into up. "Surmises are not bortly. "It is facts I want-facts."

"And your lordship shall have them. The case appears simple, not hard to get at the bottom of." An odd expression shone from the visitor's eyes. "Which reminds me he has left town," dded Gillett.

"Left town!" Lord Ronsdale wheel ed abruptly. "You mean"-

"For a little trip to the continent, I mould imagine; heard of it because he

reial Colle shland Co This institution closes the school

than ever.

LEGE.

(To Be Continued.)

1910 has been the most successful ecdysis, the pupa becomes restless abdomen and extending the oviposiin its history, with enrollment larger somewhat and swollen, and, by aid tor horizontally from it. No perceptiof a row of spines with which it is ble odor is present. In badly infestarmed rather quickly works its way ed orchards the males will begin to

which must be added

ed with more or less moisture.

chased the equipment, together with through the anterior end of the co- arrive after 3 or 4 minutes, or earlas of th business school formerly coon up to about its fourth or fifth ab- lier, and soon t, swarm of a dozen or dominal segment, The moth emerges more will be humming around the fetory, and with increased advantages while the pupa is in this position, pro- male. The sexes unite suddenly; the connected with the College Preparajecting for more than half its length male grasps the female with the claspin all respects, with a thorough and complete course of training, and with from the cocoon. ers, and then turning assumes the The adult-Moths of the lesser position normal to the Lepidoptera. students to success, the managemnt peach borer resemble in general oth- Copulation may last a variable time. gos forward into the new year with ers of the family Aegerifdae and more Mr. J. H. Beattie, then connected with particularly the males of the peach this bureau, observed a pair remain

the greatest confidence. borer. They may be distinguished in copula 65 minutes on August 16. of the past, we will use every en- most easily from the latter by the 1905, at noon, and an observation fact of their bearing but two yellow made in the late summer of 1906 endeavor to merit a continuance. bands on the aldomen, on the second gave 58 minutes. In case the weath-ASHLAND COMMERCIAL COLand fourth segments, respectively, the ere is unfavorable or no males appear,

band on the fourth segment some- the females will continue to await FORT ST. JAMES, ON LAKE STU- times not entirely encircling it; them for several days, during the whereas, the male of the peach borer time from about 10 a. m. to 3 p. m ART, BRITISH COLUMBIA. This is destined to be the Portland has a yellow band on the posterior (To Be Continued.) of British Columbia, on a naviga-



who cannot come in we would do our E. J. and L. K. Shepherd, of Ash-(closes at 3 o'clock in the afternoon utmost to make a good selection. land, and E. H. Evans and wife, of instead of at 4 as has been custom-Prices, \$100 and \$200 each; cash Medford were registered at the Cen- ary. We are slowly but surely \$25, balance \$10 a month. A few tral Point hotel Wednesday. Roderick Easley has been appoint- tan ways.

townsite and Lake Stuart, \$50 cash ed Chief of the soon-to-be-organized and \$10 a month. You need not be a Canadian citi- Volunteer Fire department, and a their friends went to Gold Hill last A 91.00 zen to hold this. You need not improve it, nor you need not reside on company has been announced for the people of that place. The occait. All this land is on or near the next Wednesday evening.

railroads, Grand Trunk Pacific, Alaska Yukon and Canadian Northern Herald is moving his family into the nough Junction, which was done with new bungalow recently crected by appropriate ceremovies amid much rerailroads. Dr. E. Davis.

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ble river and deep water lake with

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quence.

swinging around toward metropoli-

The band boys and a number of meeting for the organization of the Monday evening to furnish music for sion being the driving of the first S. A. Pattison, Editor of the spike in the new railroad, at Cava-

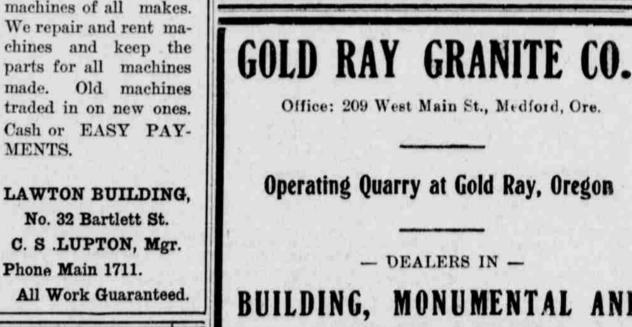
joicing.

Mrs. Jeessie Amy, of Los Angeles, The Methodist church will soon receive a much, needed overhauling, mother of Mrs. J. H. Kinciad, of this that will include new paint on the exa former resident, arrived here a terior as well as on the inside, and day or two ago and will spend the new modern pews to replace the old rickety and uncomfortable ones that summer with relatives heree. Mr. Stevens, of Gold Ray was in that have served during the past town on Tuesday attending to the year.

transfer of furniture purchased by her J. W. Briley expect to leave Central of Mrs. Excens, at the time of the Point to take up their new residence + sale of Mrs. Evans' property and at Hollywood Orchard, near Medofrd + household effects. Mrs. S. A. Murrey for some time. Mr. Briley has se-+ accompanied her to Gold Hill for a cured employment at the orchard and theey will probably leave here in a A letter r-ceived on Wednesday few days for their new home.

At the booze lecture on Tuesday by Miss Isabel Curths, visiting at the + home of J. W. Merritt, states that evening a Law Enforcement League + her grand parents are much better, was organized with a membership of + and Miss Isabel will prolong her visit thirty.

The revival meetings now being here for one more week in conseconducted by Evangelists Johnson The Central Point State bank now and Grey will close on Saturday. The





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