

36. Gaster black in female and worker..(31) *herculeanus ligniperda*  
var. *noveboracensis* Fitch.  
Gaster deep red in female.....(32) *herculeanus ligniperda* var.  
*rubens* Wheeler.
37. Thorax marginate on the sides and behind; head and thorax fer-  
ruginous red.....(51) *planatus* Roger.  
Thorax not marginate; head and thorax black....(50) *mina zuni*  
subsp. nov.
38. Large species, averaging 10-11 mm.; middle and hind tibiae with  
bristles on their flexor surfaces..... 39  
Small species, averaging 6-8 mm.; middle and hind tibiae without  
bristles on their flexor surfaces..... 40
39. Entirely yellowish red; clypeal notch rather shallow.....(47)  
*schæfferi* Wheeler.  
Head black, thorax and legs red; gaster black, with first segment  
yellow at the base.....(46) *texanus* Wheeler.
40. Thorax, with a distinct impression at the mesoëpinal suture... 41  
Thorax without a distinct impression at the mesoëpinal suture. 42
41. Gaster entirely black or dark brown.....(48) *hyatti* Emery.  
Basal two-thirds of first gastric segment red....(49) *hyatti* var.  
*bakeri* Wheeler.
42. Head large, very broad, excised behind; gaster very shining, with-  
out pubescence. Length, 8 mm.....(45) *sayi* Emery.  
Head smaller, narrower; gaster pubescent, less shining; length  
usually less than 8 mm..... 43
43. Cheeks and clypeus with elongate, piligerous foveolæ..... 50  
Cheeks and clypeus without such foveolæ..... 44
44. Body black, thorax at most only partially red; average length,  
6.5 mm.....(33) *fallax* var. *nearcticus* Emery.  
Of a different color..... 45
45. Both head and thorax reddish brown or yellowish red..... 48  
Head largely dark brown or black..... 46
46. Average length, 5.5 mm..... 47  
Average length, 7 mm.; base of gaster banded with yellow..(36)  
*fallax* var. *tanquaryi* Wheeler.
47. Thorax dark red, head and gaster black.....(34) *fallax* var.  
*minutus* Emery.  
Thorax ivory yellow, spotted with brown, base of gaster often  
banded with yellow.....(35) *fallax* var. *pardus* Wheeler.
48. Average length, 6-6.5 mm..... 49  
Average length, 8 mm.....(38) *fallax rasilis* Wheeler.
49. Gaster yellow at the base.....(39) *fallax rasilis* var. *pavidus*  
Wheeler.  
Gaster black throughout.....(37) *fallax* var. *decipiens* Emery.
50. Piligerous foveolæ few on the cheeks, usually absent on the  
clypeus ..... 51  
Both cheeks and clypeus with numerous piligerous foveolæ..... 52
51. Yellowish brown, gaster paler, with brown bands....(40) *fallax*  
*subbarbatus* Emery.