

- A. Keel on last dorsal absent *Apacheorum*.
 B. Keel on last dorsal extending about half the length of the segment ;
 transverse grooves on 2 and 3 entire..... *octodentata*, *Sayi*.
 C. Keel on last dorsal extending about three-quarters the length of the
 segment.
 a. Transverse grooves on 2 and 3 interrupted in middle
 line..... *mesta*.
 b. Transverse grooves on 2 and 3
 entire..... *deplanata*, *ribis*, *rufitarsis*, *Porteræ*.
 D. Keel on last dorsal extending practically the whole length of the
 segment.
 a. Transverse grooves on 2 and 3 entire..... *grindeliæ*.
 b. Transverse grooves on 2 and 3 broadly interrupted
 dorsally..... *menthæ*, *Gilensis*.

Cælioxys grindeliæ, n. sp.

Las Vegas, at flowers of *Grindelia squarrosa*, August 9, both sexes
 (W. Porter); August 11, ♂ (S. L. Mize).

Las Vegas, at flowers of *Solidago Canadensis*, August 11, ♂ (W.
 Porter); Las Vegas Hot Springs.

♀. Length about 11 mm.; pubescence pale with a brownish tinge,
 that along anterior margin of mesothorax (especially at sides) and a spot
 behind tegulæ, pale ferruginous; disc of mesothorax and scutellum
 nude; abdominal bands rather broad, entire and conspicuous, no short
 lateral transverse grooves or bands, but transverse grooves crossing the
 dorsum of segments 2 and 3; mandibles externally covered with
 appressed pubescence like the face (this is also the case in *ribis*);
 antennæ and tegulæ black; legs black, including tarsi; nervures and
 stigma black; wings with the outer margin broadly brown; mesothorax
 cancellate with extremely dense large punctures; lateral teeth of
 scutellum long; abdomen rather sparsely punctured; penultimate
 ventral segment punctured like the others, without the minute punctures
 interspersed; last dorsal segment densely punctured, with a strong
 raised line going as far as the articulating base; apical ventral segment
 longer than dorsal, broad, hairy at sides, with a broad apical pointed
 projection.

♂. Similar to the ♀, except in the usual sexual characters;
 pubescence often whiter than in ♀; end of abdomen with eight teeth,
 those on the fifth segment being well developed.