



Plate XV

Cardium kansasense Meek.

- Fig. 1.** View showing the left valve, x 2. Zones 8 to 14, Kiowa shale, Champion Draw.
- Fig. 2.** Mold of the interior, x 2; shows molds of sockets on the hinge area. Mentor beds, 5 miles west of Smolan.
- Fig. 3.** Mold of the interior of same specimen shown in figure 2, x, 2.
- Fig. 4.** Mold of the interior of the right valve, x 1, after Meek. Mentor beds, 12 miles southwest of Salina.
- Fig. 5.** Reproduction of Meek's figure, showing a mold of the interior surface of the right valve.
- Fig. 6.** Showing hinge structures and muscle scars, x 1, after Meek.
- Fig. 7.** Reproduction of Meek's figure, showing the interior.
- Fig. 8.** Showing profile of the shell, x 2. Zones 8 to 14 of Kiowa shale, Champion Draw.

Trigonarca salinaensis Meek.

- Fig. 9.** Mold of the interior of right valve, x 3. Mentor beds, Natural Corral.

Corbula crassicostata Cragin.

- Fig. 10.** View showing shape and exterior ornamentation of the shell, x 3. Champion shell bed, Champion Draw.

Yoldia microdonta Meek.

- Fig. 11.** Reproduction of the Meek's figure of the type specimen. Mentor beds, 12 miles southwest of Salina.
- Fig. 12.** Mold of a specimen in sandstone; shows hinge line with teeth, x 2. Mentor bed, 5 miles west of Smolan.

Trigonarca siouxensis Hall and Meek.

- Fig. 13.** Mold of interior of left valve, natural size, after Meek. "Dakota" sandstone at the mouth of Big Sioux river.

Cucullaea recedens Cragin.

- Fig. 14.** View of the left valve, x 1 1/3. Champion shell bed, Champion Draw.