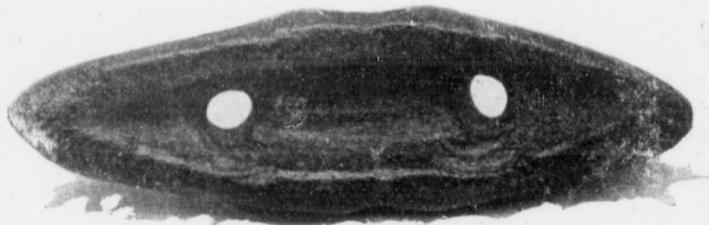


height. It may be seen towards the left of the observer and near the centre of the sloping bottom of the cave, and may well be likened to a large bee-hive or swallow's nest. A dark, irregular opening appears in the front of the house, but this was probably not made there originally. It seems to be a recent break in the front part of the semi-circular wall, the original opening in this bin or enclosure being about ten by fifteen inches in size, and still in a perfect state of preservation in the center of the roof. The top or roof is flat, and has the aforesaid rectangular small opening carefully built in it, the entire roof consisting of well-woven wooden poles and bark with a heavy covering of adobe or mixed mud, which shows undoubted evidence of having been in a plastic condition at the time it was placed upon the poles. Not only are the slender poles imbedded well within the overlying adobe, but the large finger marks of its builders are



Stone shuttle found on surface of ground near ruins from which thread was exhumed in Iron County, Utah. Actual size.

numerous and distinct upon the outer surface of this adobe. In this structure or bin were found two pieces of cast iron, evidently the feet or supports of what had once been a cast-iron pot or kettle. While this is an unusual "find," and may have an important significance, standing alone and without similar additional "finds," it is uncertain what value should be attached to this discovery. This structure is situated more than one hundred feet above the base of the cliff, and nearly two hundred feet from its summit. Besides this, there were the greatly dilapidated remains of two other small houses within the same natural cave, and one larger house, probably a dwelling, having metates and other remains. Near by in the same region, I discovered other caves which possessed remains of former houses that must have been very similar in character to the one just described. From these I obtained large stone metates or corn mills, as well as corn-cobs and other relics. Among other things a bag or sack-like basket was taken from one of them. It contained a small quantity of shelled corn, and with it was a heap of well-preserved corn-cobs, probably more than a bushel altogether. This sack is about twenty-two inches in length and seven inches in width, and is tied at each end by a bark cord. It is made of rushes and cedar bark, the fibres of the latter having been manufactured into a thick cord. Two ropes or cords of twisted cedar bark fibres pass around each rush stem, one on each