

consisting of a natural crook of wood with a *Terebra maculata* shell bound on to it, the shell being ground down until only one lateral half of it remains. Such small shell adzes were abundant enough still, but in most cases the shell had been replaced on the handle by a piece of hoop-iron. Every man almost carried one of these small adzes hung on his left shoulder. From the houses large adze blades made of *Tridacna* and *Hippopus* shell were obtained. They resemble somewhat those of the Carolines, but are very roughly made indeed, only the actual edge being ground. None were seen mounted, and they appeared to have gone out of use. Axes made of hard volcanic rock were also obtained from the houses. They have ground surfaces and are triangular in form, and resemble the stone adzes of the Solomons, but are mounted in an entirely different and very primitive way, as axes, being merely jammed in a slot cut in a club-like billet of hard wood near its end. Only one specimen was obtained mounted. These stone implements did not seem plentiful, and the natives valued them highly and required a high price for them; and when I at first showed them a Humboldt Bay stone axe, to try and explain that I wished to buy such from them, they were immediately anxious to purchase it themselves. The chief had a very fine large one, with which he would not part.

The heads of the obsidian-headed lances serve as knives, being cut off just below the ornamented mounting which acts as a handle.* Long flakes of obsidian are, however, also mounted specially as knives in short handles. They are excessively sharp, and used to shave with even, but are of course very brittle. Pieces of pearl oyster shell, usually semi-circular in shape, ground down thin to an edge on the rounded border, are used constantly as knives to cut cordage, and for similar purposes. Knives made of the spine of a Sting-ray (*Trygon*) are also used. Large ground pearl oyster shells are used to dig with.

The Admiralty Islanders have no bows, slings, or throwing sticks, ulas (Fiji), nor clubs. Their only weapons are lances of several kinds, which are thrown with the unaided hand, not even with a cord, as in New Caledonia. They have no spears, like the Humboldt Bay men, Fijians, and others, to be used at close quarters, and no shields, though Jacobs mentions shields as in use at other parts of the group.

* This is an interesting instance of the same instruments serving different purposes in a rude condition of the arts, other cases of which have been dwelt on by Colonel Lane-Fox, F.R.S., Lecture "On Primitive Warfare," Journal of the Royal United Service Institution, 1867-9.