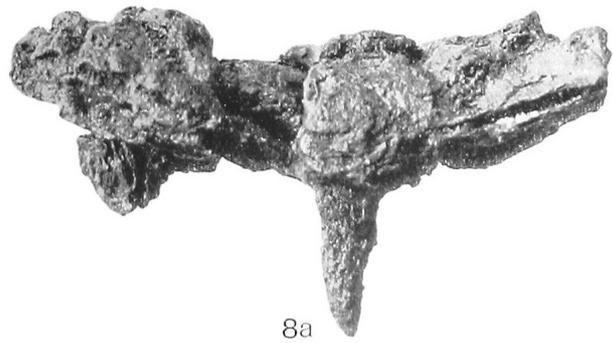
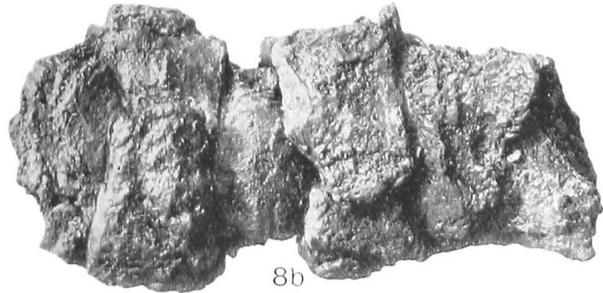


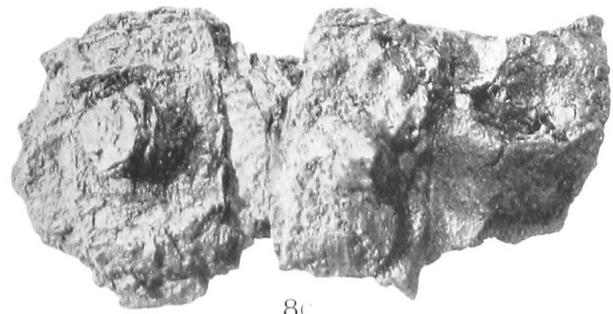
**Birka type 1:** An iron band with an extended rectangular base, that is 2–4 cm long, 1–2 cm wide and 1,5–2 cm thick. From the band, a metal spike protrudes, 8–15 mm long and of square or rectangular cross-section. The ends of the band are narrow and bent to each other, either touching or not. The band probably enclosed a leather band, that was 2–6 mm thick, as the distance between the base and bent ends show these ranges.



8a



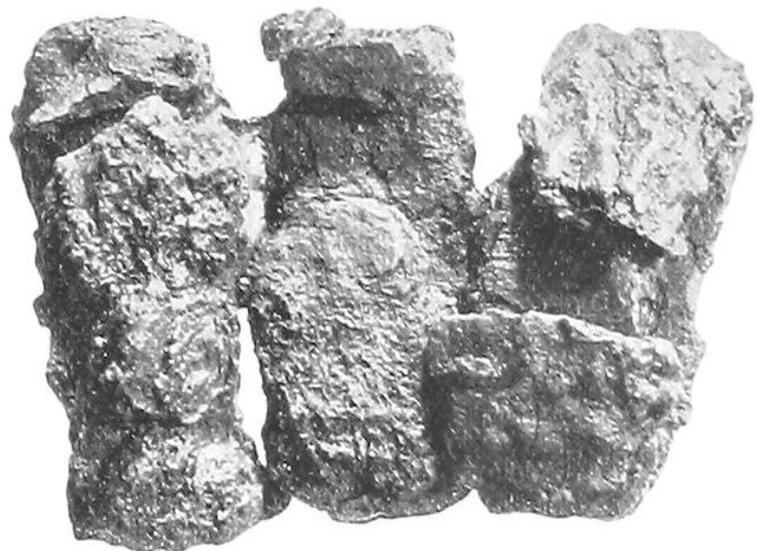
8b



8c



**Birka type 2:** An iron band with a wide base, from which a metal spike protrudes. The ends of the band are narrow, bent upwards and then to each other, have rectangular cross-section and the length of ca. 6 cm. In some cases, the space between the base and the ends was filled with wooden fragments, so it is possible that the band was attached to a small wooden plate, that was 13–23 mm wide and 4–5 mm thick. In some cases, more bands were mounted to wooden plates.

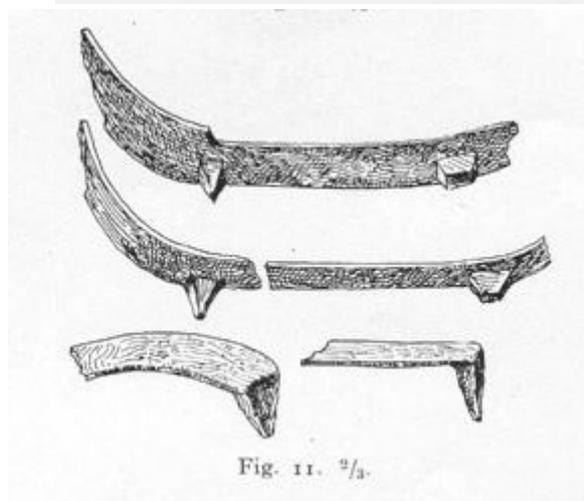


7

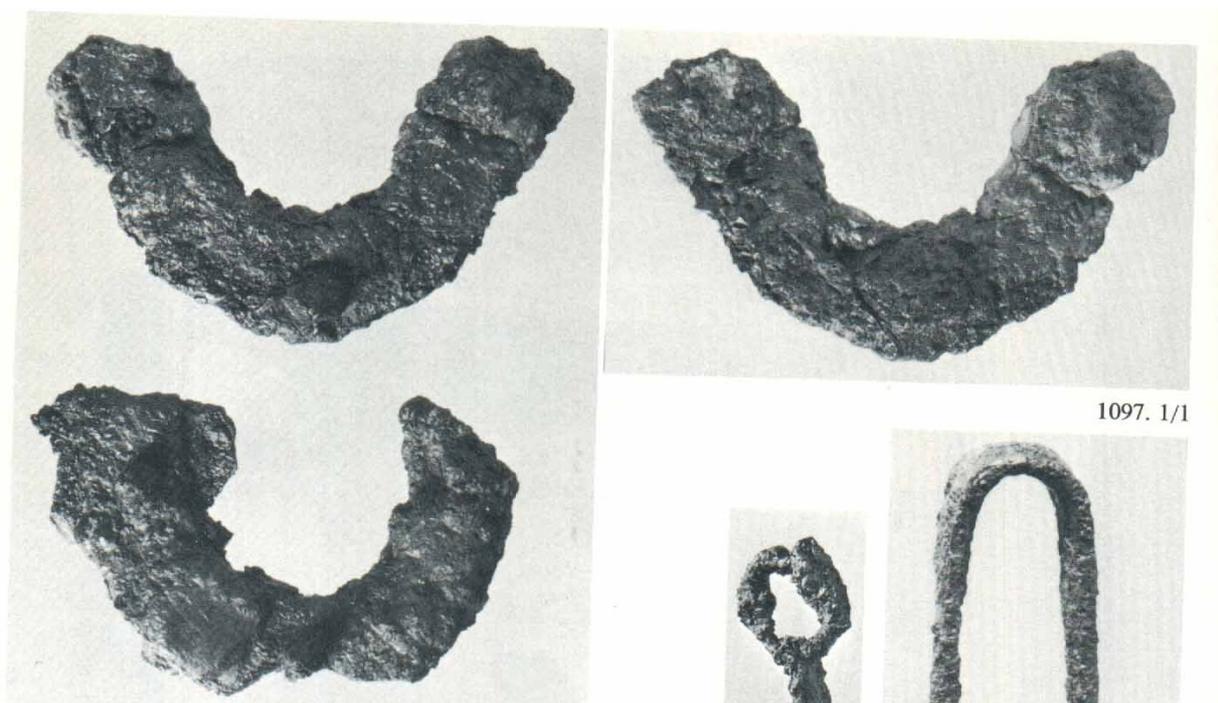
**Birka type 3:** A triangle-shaped crampon with spikes, that are bent vertices of the triangle. Spikes are ca. 1 cm long. The size of examples from Birka type is 5,5–5,7 cm × 7,0–7,4 cm.



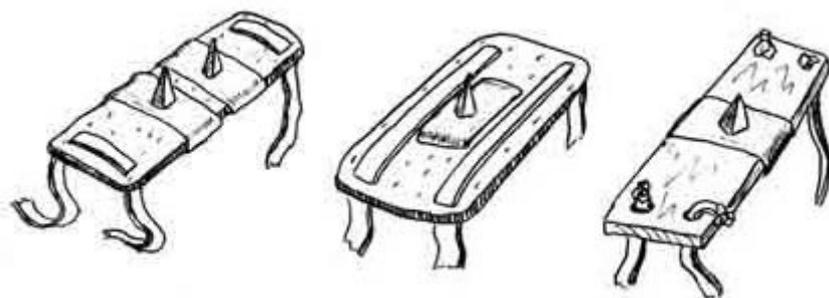
**Type 4:** It was found in the grave X in Tuna Alsike. It is made of one decimeter long band with bent ends and three spikes on the bottom side. In the grave 2 in Bengtsarvet, Dalarna, the band corresponds to the width of the shoe and bent ends have loops for attachment. The sizes of examples are 11,4 × 5,2 × 1,7 cm and 13,0 × 5,2 × 1,5 cm.



**Type 5:** V-shaped crampons found in the grave 7 in Valsgårde. It consisted of a V-shaped band with three spikes. On the inner side, spikes are hammered to big rivets; 3 mm thick leather was found under them. The sizes of examples are 7,0 × 4,5 × 0,8 cm and 6,2 × 4,5 × 0,8 cm. The length of spikes is between 1,7–1,9 cm.



The attachment method of the type 1 and 2:



The attachment method of the type 1 and 3/5.

