Medieval Armour from Cesis Castle

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During archaeological excavations of Cesis (Wenden) Castle in Latvia archaeologists have found around 1000 elements of late medieval plate armour, including sallets, breast and backplates, vambraces, gauntlets and shaffrons. It is believed to be one of the largest collections of medieval armour in the whole of Eastern Europe. The vast majority of the armour fragments was concentrated in the area of the western range and has been found during excavations in the period from 2002 to 2005. According to several 16th century sources and archaeological context, this part of the castle, including a room used for armour storage, collapsed during the 1577 siege, when defenders of the castle blew themselves up to avoid being taken prisoners by the Russian Tsar Ivan The Terrible.

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A considerable part of the armour elements found among the rubble of the western range of Cesis Castle is made in the late 15th and early 16th century. The parallels in the West-European material indicate that the armour elements found in Cesis Castle were made in Augsburg, Nuremberg, Innsbruck and other major armour manufacturing centres in southern Germany.

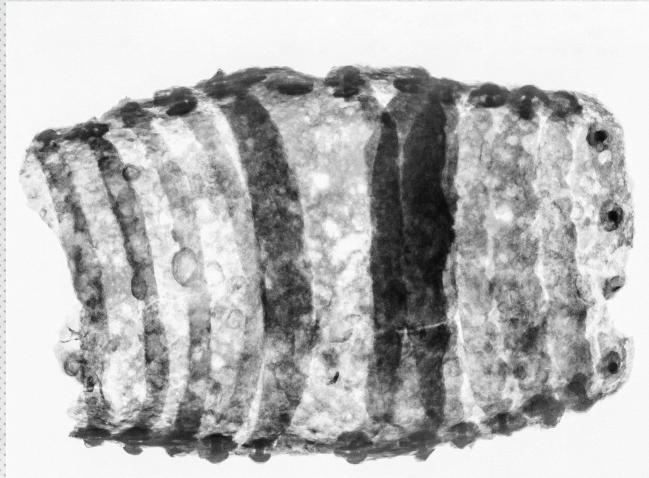
The mostly corroded elements of armour were brought to P. Gudynas Centre for Restoration and were conserved here from 2013 till now. Before conservation radiographs of all finds were made in order to evaluate the state of metal. The radiographs showed that the core of iron of all finds is heavily corroded except some areas; metal is porous and fragile, some of the finds are fragmented.



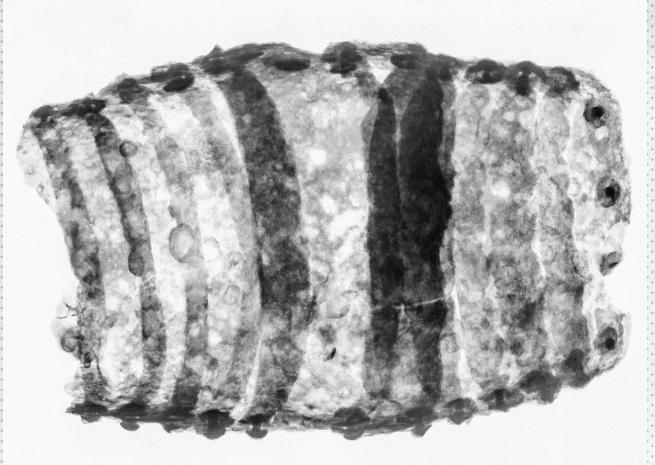
ill. 1. Excavations in the western range. Photo by Valda Rozenberga.



ill. 2. Gauntlet before conservation. Photo by Vilma Šileikienė.



ill. 3. Radiograph of the gauntlet. Photo by Tomas Ručys.



ill. 8. Gauntlet after conservation. Photo by Aivis Riekstins.

The parts of armour were cleaned mechanically us-

ing scalpels and hand-held electric motor with a dif-

ferent size and roughness of grading wheels, diamond

and steel grinders. The most difficult part of the

time-consuming cleaning process was taking off firm-

ly adhered concretions from the surface of the metal.

The radiographs were a huge aid in finds cleaning pro-

cess. After the cleaning details were treated with rust

binder – 5 % tannin solution in ethanol. Very fragile

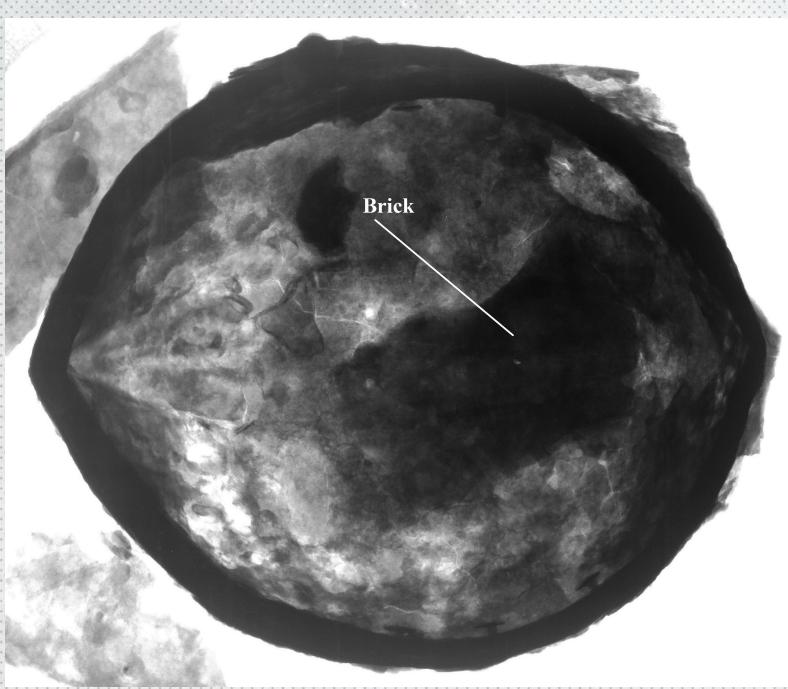
details firstly were treated with tannin solution, con-

solidated and after that cleaned mechanically. The

pieces of armour were dried with acetone and kept



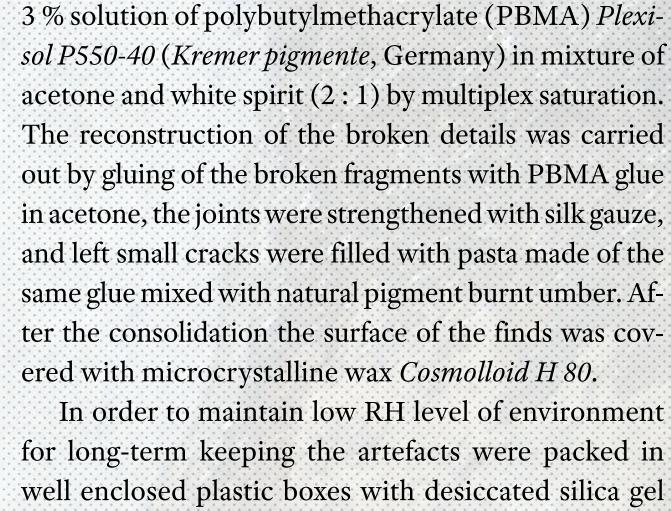
ill. 4. Sallet without back part before restoration. Photo by Vilma Šileikienė.



ill. 5. Radiograph of the sallet without back part. Photo by Tomaš Giliazetdinov.



ill. 10. Backplate after conservation. Photo by Aivis Riekstins.



with dried silica gel during all the cleaning process.

After drying pieces of armour were consolidated with

inside. Small details were packed in polyethylene bags processed with volatile corrosion inhibitor (Premium Metal-Guard VCI bags, Daubert Cromwell, USA).



ill. 9. Vambrace after conservation. Photo by Aivis Riekstins.



ill. 11. Sallet after conservation. Photo by Aivis Riekstins.



ill. 7. Sallet after restoration. Photo by Aivis Riekstins.





ill. 13. Breastplate after conservation. Photo by Aivis Riekstins.

