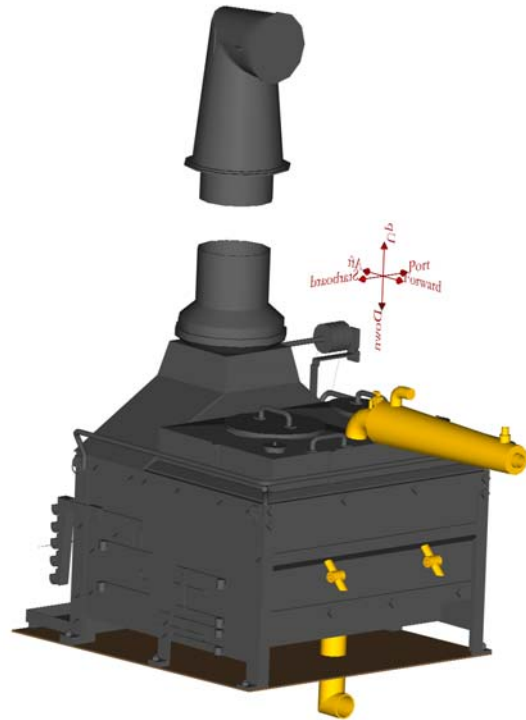


Modelling the Brodie Stove

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COMPUTER AIDED DESIGN/VIRTUAL PASTS, 3D CAD PROJECT.

FOR MSc ARCHAEOLOGICAL COMPUTING (SPATIAL TECHNOLOGIES), DEPARTMENT OF
ARCHAEOLOGY, SCHOOL OF HUMANITIES, UNIVERSITY OF SOUTHAMPTON.



SCOPE

The purpose of this project was to create a 3D model of the Brodie Stove which was in use on British Navy ships from 1781 to 1810 and is named after Alexander Brodie who patented it. The HMS Victory has a recreated model of the stove in wood, however the tight installation of the stove on HMS Victory unfortunately does not allow for much exploration and research on how it worked. This is the main reason why a 3D model of the Brodie Stove is a useful contribution to the studies of food, cooking and life onboard ships within the Georgian Navy.

TECHNICAL

The 3D model of the Brodie Stove is based on an interpretation of isometric and orthographic drawings by John McKay and a visit to the HMS Victory. The 3D model was bound by the assignment rubric to be created in AutoCAD. Within AutoCAD the project setup the 3D model in relevant layers structured according to a naming convention and a set of relevant User Co-ordinate Systems (UCS), views and layouts where also setup. The project archive was structured according to ADS guides to good practice and is complete with metadata for each layer and file in the archive. The file types used in the archive where chosen to allow the project to be delivered to the ADS for further archiving.

Finally a reports was written documenting the whole process from modelling to archiving.

