

Surveying Instruments Used in Roman Civilization

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SUMMARY

It was not possible to come across the scientific developments that the Greeks had initiated in the Roman civilization because the main building that made up the Roman Empire was military power. For this reason Geometry is developed solely for use in war. For example, determining the height of the attacked fortress was important for the determination of the tower and stairway neck. It was important to determine the width of the river to cross a river. It was also important to know how many days the settlements were located and where they would be located. They have made typical road maps for these purposes. Roman civilization was centralist, militarist, utilitarian and patriarchal. Education was only for utilitarian purposes. Roman engineers were acclaimed for their huge artifacts reflecting the imperialist conception of the empire. However, the theoretical knowledge played a very minor role in the work of these works. They gave importance to practicality in research. Roads, bridges, aqueduct construction are renowned for organizing people and public relations, building an army, government administration and law. There was not much effect in the field of creative thinking. The Greeks did not have access to the ability to establish theoretical thinking and observation links. This presentation will briefly explain the introduction and use of measuring instruments used by Roman engineers during the construction of their monuments.