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Ancient Aqueducts

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Ancient Aqueducts

By: Zachary Helm



Roman Water Supply

source
- river tap
- infiltration gallery

drop shafts

tunnel

aqueduct bridge

siphon

distribution station

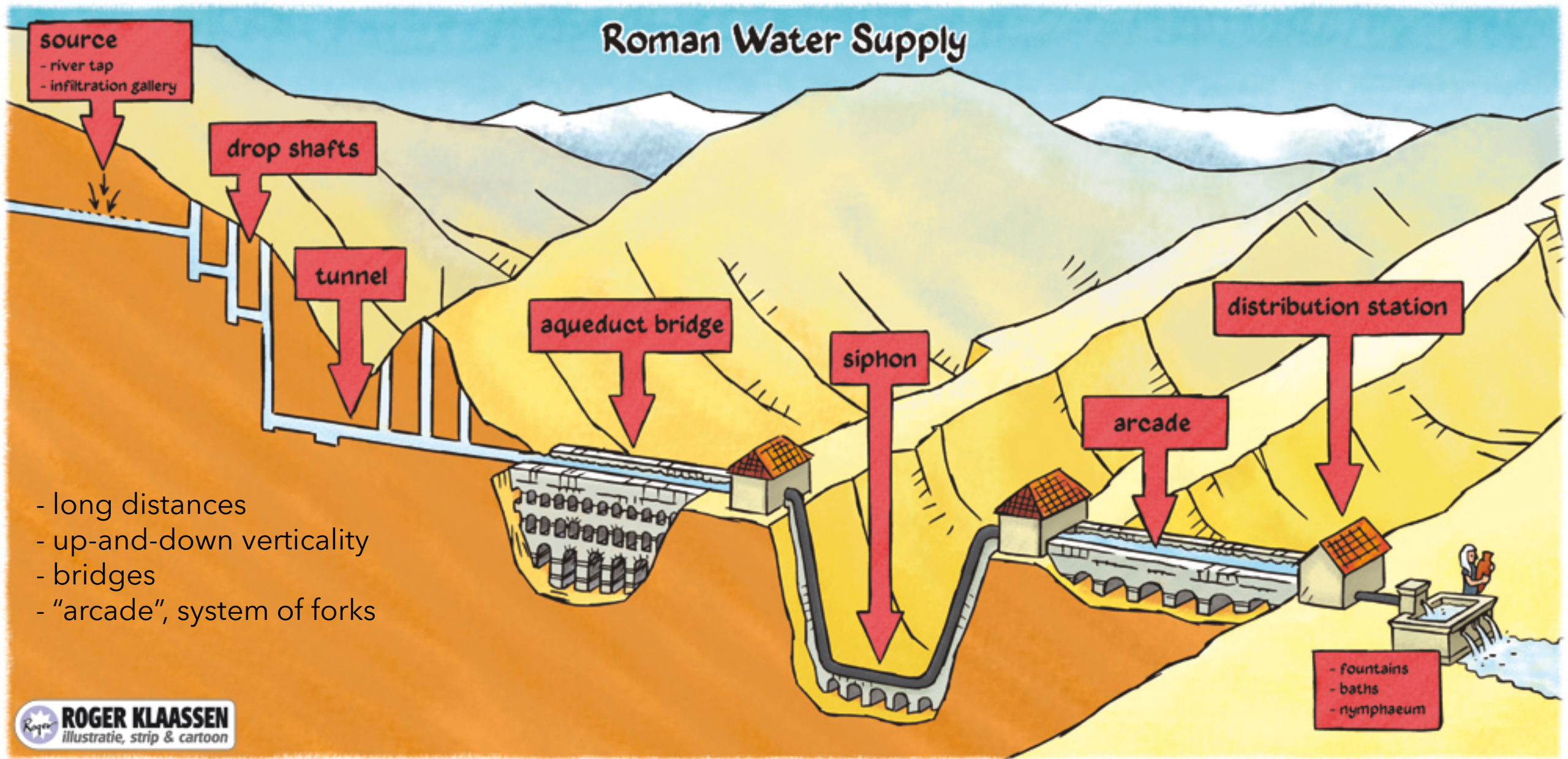
arcade

- fountains
- baths
- nymphaeum

- long distances
- up-and-down verticality
- bridges
- "arcade", system of forks

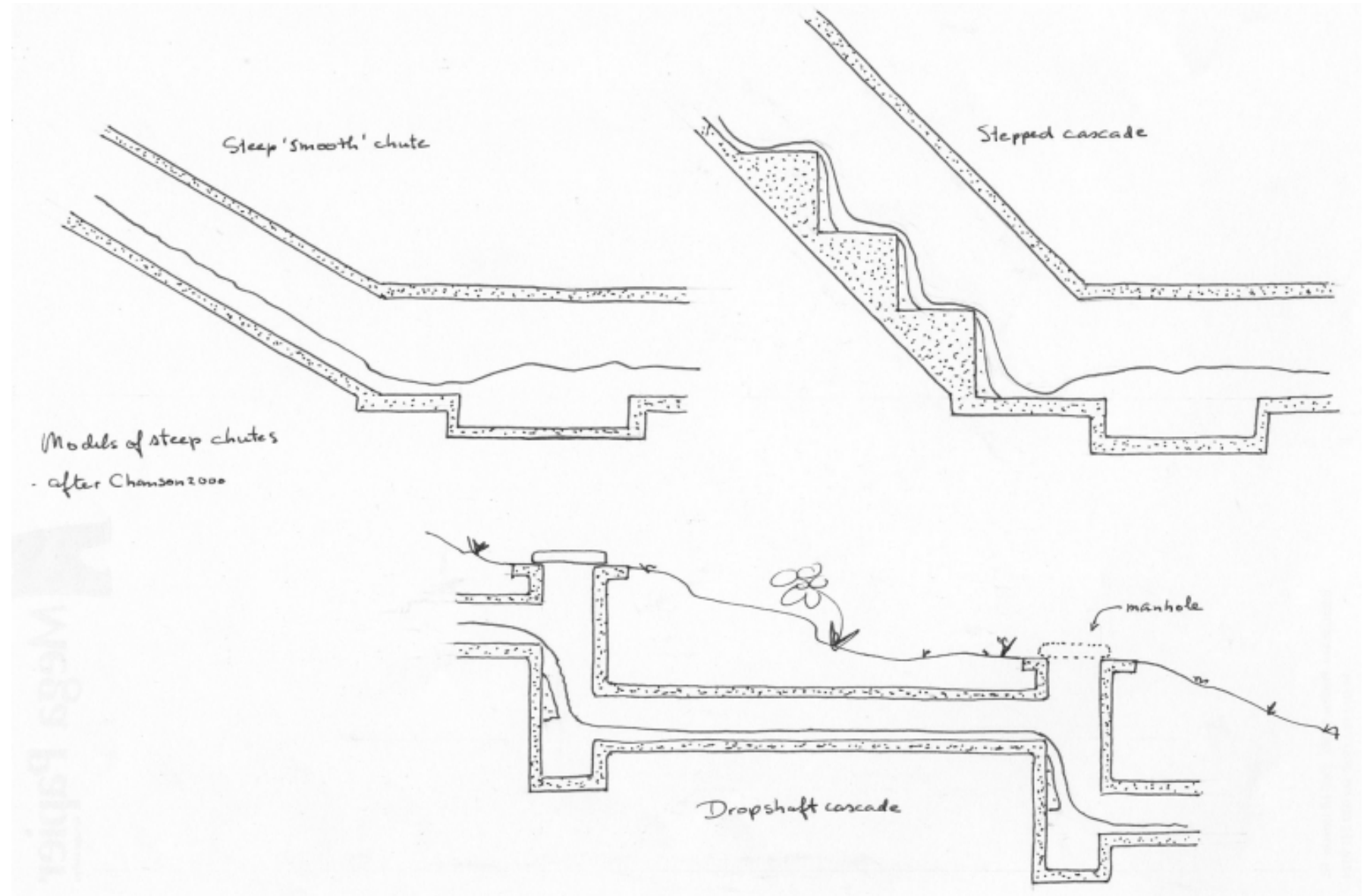
ROGER KLAASSEN
illustratie, strip & cartoon

(Hodge)



Dropshafts

- Used if there was a steep vertical drop
- Stepped channels
- Erosion of aqueduct

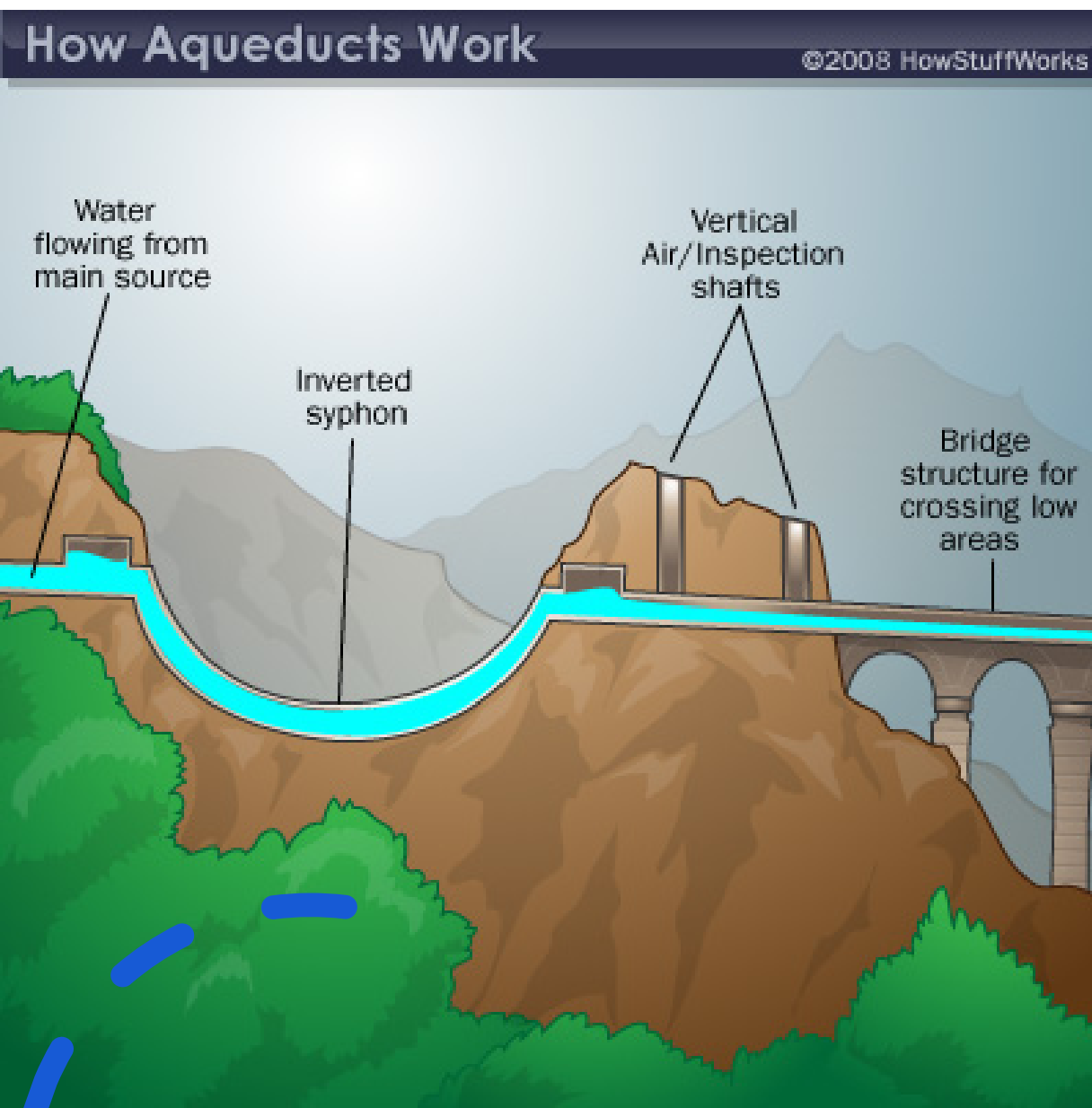


Stilling Basins and Entrances



- basins at beginning/end of aqueduct
- collect and clean water, go to distribution
- intermittent manholes and entrances for maintenance

Siphons and Bridges



- siphons to get water to go upward
- traversing the terrain
- building bridges and arches to keep the elevation high

Entering Town and Being Distributed



- destination/town is reached
- multiple pathways that water splits into
- collects in a basin to go multiple different ways (private and public use)

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