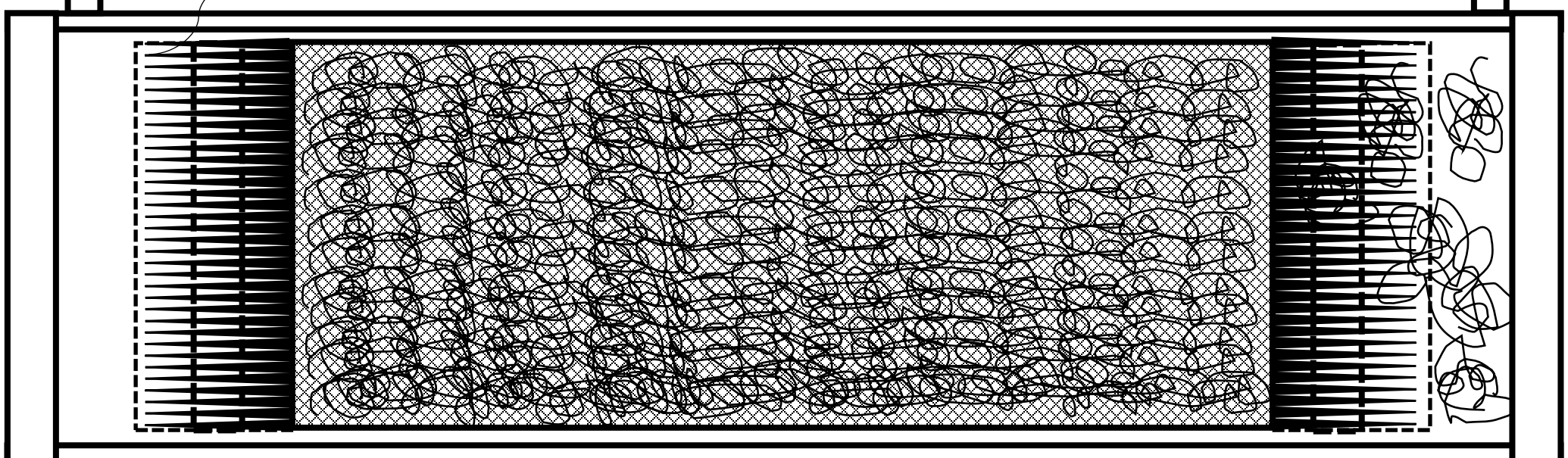


Harvester could leave a thin layer of macroalgae to allow further growth, or completely clean the mesh (so that it can be re-seeded).

Prongs pierce gracilaria, which splits off the mesh as the prongs widen with depth.



Harvest trolley could be symmetric and travel in both directions (without needing to be rotated), between trucks on both ends of raceway. After harvesting from one festoon, the harvest trolley would empty collected gracilaria into one of said trucks before being launched into a new festoon traveling in the opposite direction back towards the other truck.

Gracilaria that is dispensed from the seed trolley is coarsely ground such that there are many exposed ends that can embed into the mesh. A thin layer is deposited by the seed trolley if/where the mesh becomes depleted.

Because the mesh festoons enable the mesh to be horizontal on demand, gravity, alone, may be sufficient for embedding gracilaria in mesh. If gracilaria must be actively embedded, there are a few options (below).

Mesh

Forward velocity

Pulsing water/air-jets

Forward velocity

Wipers

Forward velocity

Spiked rollers

Note seed trolley could be bidirectional (as shown) or even combined with the harvest trolley.

