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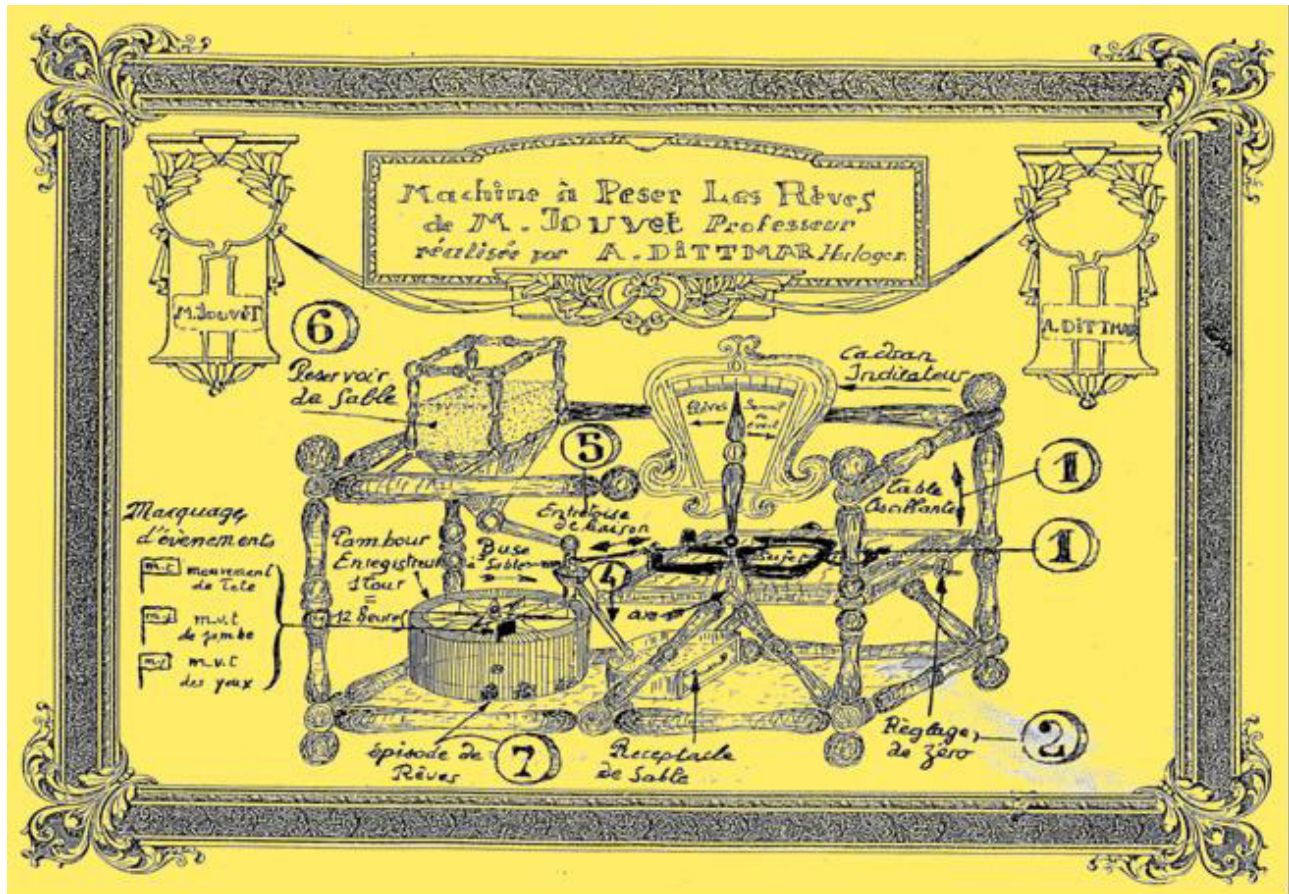
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WE THANK:

Marey's Museum (BEAUNE) - Museum of the History of Medicine and Pharmacy of Lyon - Museum of the Faculté d'Odontologie (Dental School) - Museum of the Hospice Civils de Lyon – Ampère's Museum (Poleymieux) – Claude Bernard's Museum (Saint Julien en Beaujolais) – Institut Lumière “Living Museum of the Cinema” (Lyon) ...
... And a special thanks to the IEEE History Committee (Committee Chair Ron Leder).



“Machine for Weighting the Dreams”

This machine was described in the book of Michel Jouvét “Le château des songes” (the castle of dreams) edited in 1992 (Odile Jacob editor).

André DITTMAR drawn the picture too late for including in the book.

- 1) The subject (volunteer) is tied strongly on a bed which can oscillate.
- 2) The zeroing is performed during the slow wave sleep.
- 3) During the REM sleep an erection occurs (male) and a vasodilation in hands and feet. So the gravity center is displaced towards the feet.
- 4) The bed goes down on the feet side.
- 5) This motion is transmitted to a nozzle using a “cross-piece”
- 6) The sand falls through the nozzle and it is sent into a rotating double-wall tank.
- 7) ...So...for each REM – sleep phase. There is a small heap of sand...and thus it is possible to weight the sand so as to know the quantity of dreams
- 8) The technology is that of the XVIII th century using wood, brass, steel, glass...

The model of this machine has been built (scale 1/5) by A. DITTMAR and will be exhibited in the *forum 6* close to the EMBS history booth.

Professor Michel JOUVET and André DITTMAR will be present and will give explanations if necessary