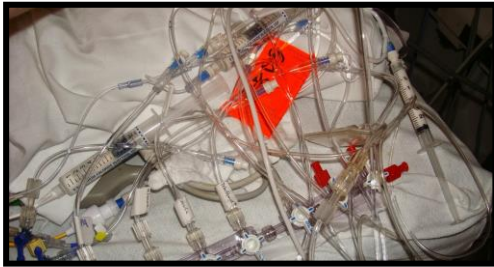


Medical Tubing Organizer

OTT ID# 1521

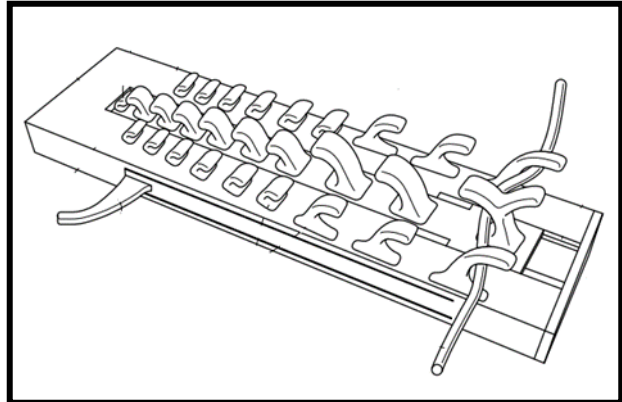
TECHNOLOGY



Inventor, Lindsey Roddy, a RN, BSN, and PhD Student has created a device to allow medical tubing and cords of varying diameters to be fastened through individual attachments to a base. Several designs have been created to maintain up to 15 different lines tangle-free. The organizer's base is intended to improve patient mobility while maintaining central IV access. The devices can be fastened repeatedly onto multiple surfaces including bedside rails, IV poles or wheelchairs or sit stably on other flat surfaces. A device

manufactured from safe (non-sharp) and sanitizable materials for single use or autoclavable for use in harsher environments is envisioned.

Current methods to organize medical tubing are inadequate, often leading to a tangled mess. Significant time each shift is spent by nurses untangling lines rather than caring for patients. Tangled lines increase the risk of pulling out central IV access when the patient stands up or moves, or is transported for testing. Pulling out a line can cause complications such as bleeding, pneumothorax, air emboli in the blood, or lack of administration of appropriate lifesaving medications. Often nurses resort to labeling lines with the medication name on a sticker, or using a medicine cup or tongue depressor on a bedside rail for tubing organization, to reduce the hazards highlighted above. Our solution provides and answer to a dangerous problem for patients and hospitals.

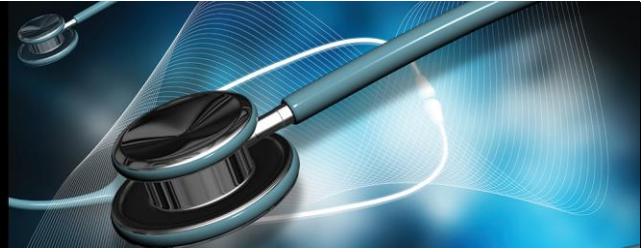


FEATURES/BENEFITS

- **Mobile-** Can attach repeatedly to the bedrail, wheel chair or IV pole and rest stably on another solid surface.
- **Tangle-free Organization-** A series of modular extensions can be configured to keep up to 15 lines organized.
- **Reusable or Disposable** - Units conceived of as disposable or autoclavable as required for the application.
- **Cost Savings** – Reduction in litigation costs, optimization of bed occupancy, reduced staff injury.

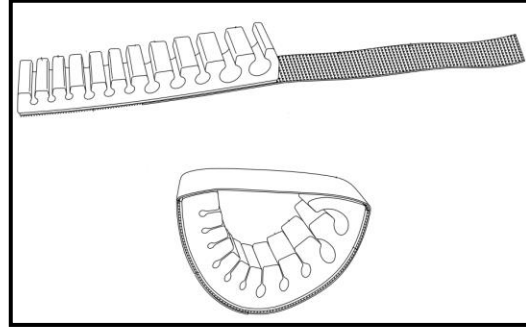
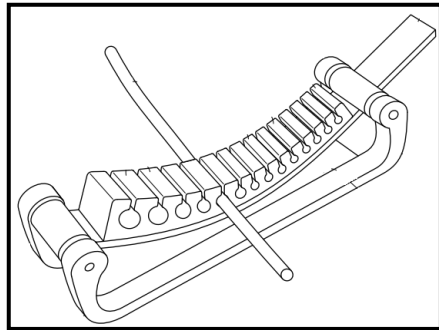
INTELLECTUAL PROPERTY

US Utility Patent Filed 2018.



MARKETS

The United States remains the largest medical device market in the world with a market size of around \$148 billion, and it is expected to reach \$155 billion by 2017. The U.S. market value represented about 43 percent of the global medical device market in 2015. U.S. exports of medical devices in key product categories identified by the Department of Commerce exceeded \$44 billion in 2015. The global medical device market is expected to reach an estimated \$343 billion by 2021, and it is forecasted to grow a CAGR of 4.6% from 2016 to 2021. The major drivers of growth for this market are the growth in healthcare expenditure, increasing health awareness, and ageing population.



INVENTOR

Ms. Lindsey Roddy, RN, BSN and Ph.D. Candidate.

Ms. Roddy is a Registered Nurse in the Post Anesthesia Care Unit at Columbia Saint Mary's Hospital, in Milwaukee, WI. She is currently a research assistant as well as a student earning her Ph.D. in Nursing at the University of Wisconsin-Milwaukee. Her research has focused on perioperative nursing quality improvement; maternity nursing quality improvement; and nursing innovation. Her field of work is intensive care based, and she has experienced firsthand the inefficiencies caused by the current methods of IV organization. Thus, her understanding of managing post-surgical or other intensive care unit patients is both pragmatic and nuanced for the real-world perspective she offers to science.

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