

United States Patent [19]

Annie Wu

[11] Patent Number: Des. 8,909

[45] Date of Patent ** Dec. 6, 2023

[54] **MAGNETIC DOUBLE SIDED DRY ERASE MARKER**

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[73] Assignee: **Jim Lewis Productions, Inc., New York, N.Y.**

[**] Term: **14 Years**

[21] Appl. No: **24**

[22] Filed: **Dec. 6, 2023**

[52] U.S. Cl. 401/52; 43K 5/00; B43L 21/00

[58] Field of Search.....B43K 5/00; B43L 21/00

[56] **References Cited**

U.S. PATENT DOCUMENTS

85,961	1/1869	Reckendorfer.
5,957,603	9/1999	Bell .
6,565,275	5/2003	Brand.

Primary Examiner — Annie F. Wu
Attorney, Agent, or Firm — Annie F. Wu

[57] **CLAIM**

The ornamental design for a dry erase marker with a magnetic longeraser side and erasable cap, as shown and described.

ABSTRACT

A dry erase marker that incorporates a long eraser side for wide area erasing, a narrow eraser at the top of the cap, and a magnetic side that can be stuck onto the magnetic board with ease. These features are supports increasing ease of organization and practicality of a multipurpose writing instrument. The inside ink cartridges are recyclable and replaceable, thus, the outer marker can be reused.

DESCRIPTION

FIG. 1 is an angled view of marker and cap
FIG. 2 is a side view of the cap
FIG. 3 is a cross-sectional diagram of the cap, side view of the marker
FIG. 4 Is the maker's vertical cross sectional view, FIG. 5 Top cap view, FIG. 6. Top marker view, FIG. 7. Bottom cap view, FIG 8 Bottom marker view.

FIG. 1

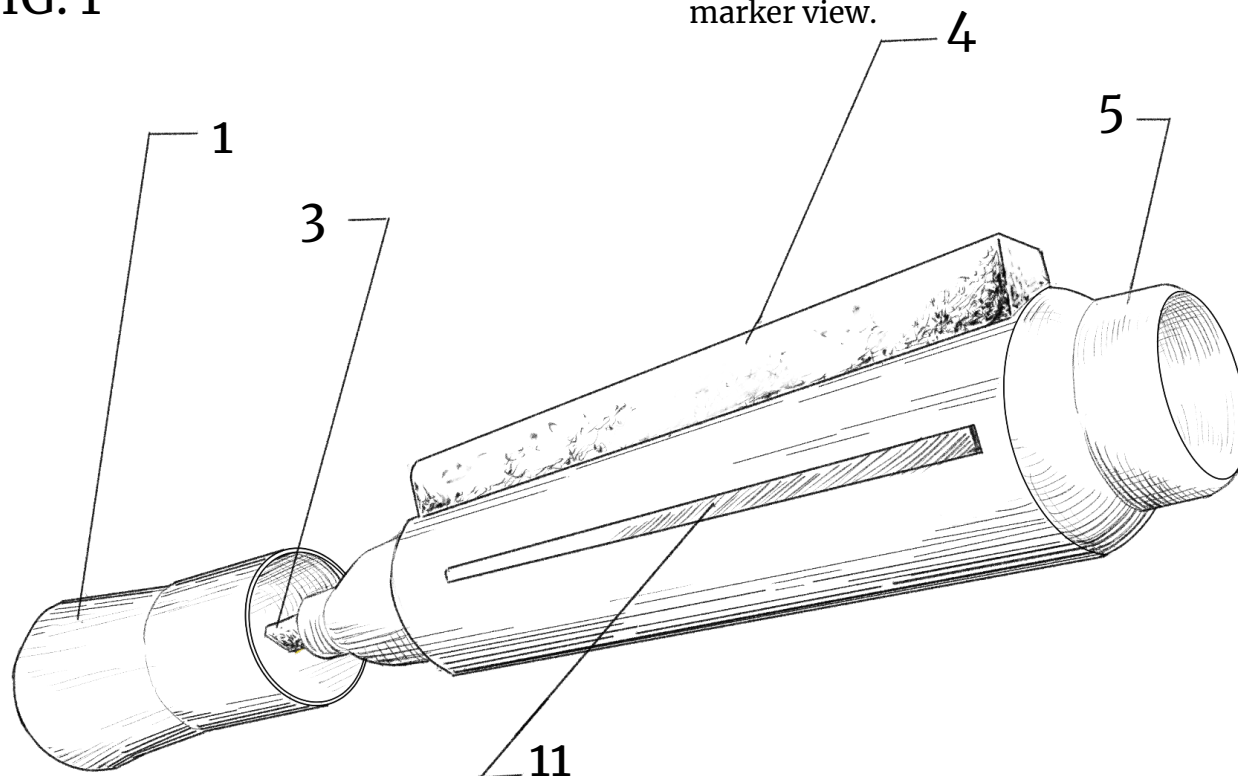


FIG. 2

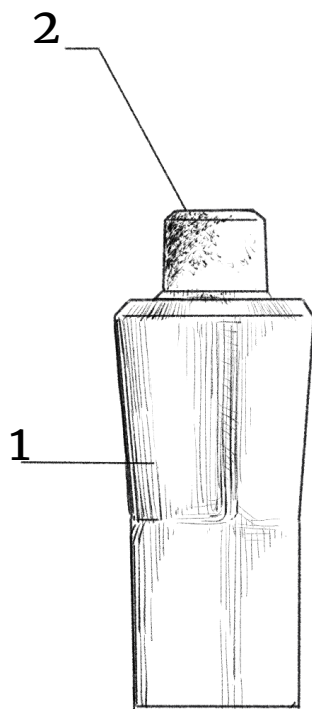


FIG. 3

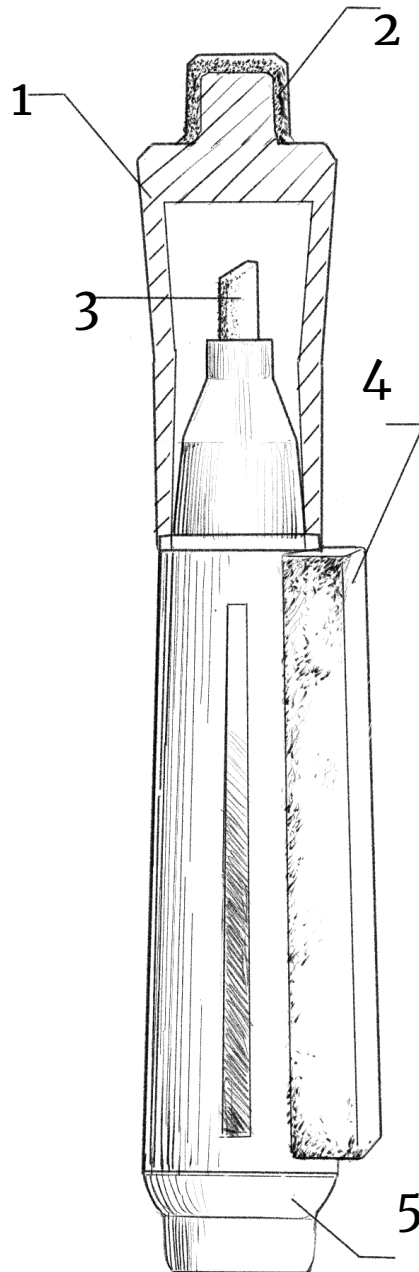


FIG. 4

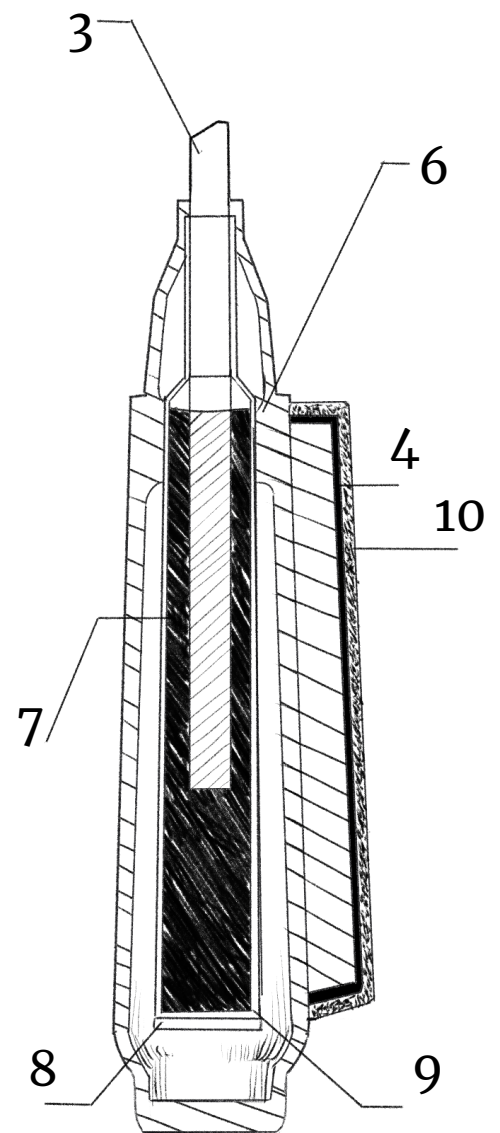


FIG. 5

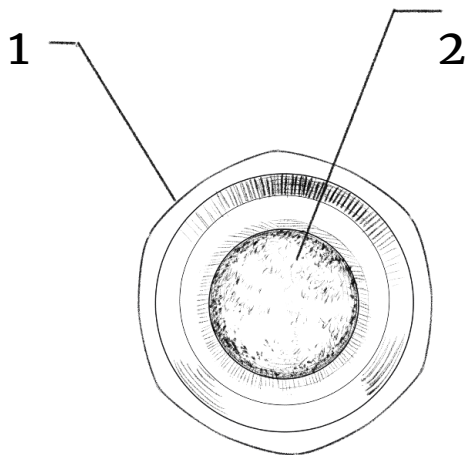


FIG. 6

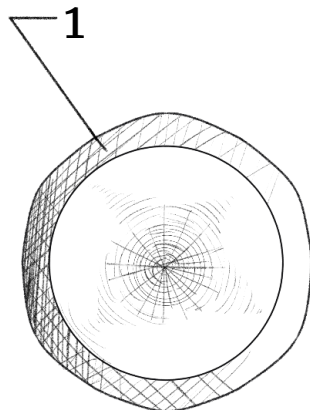
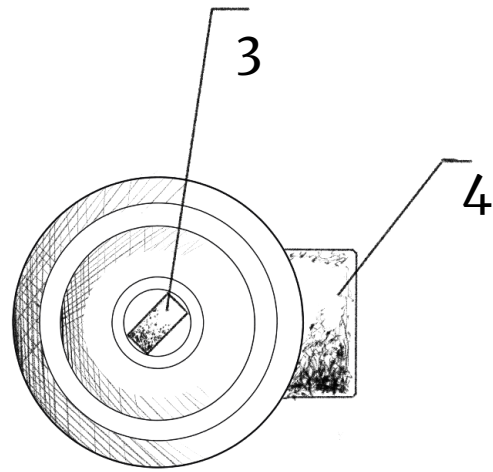


FIG. 7

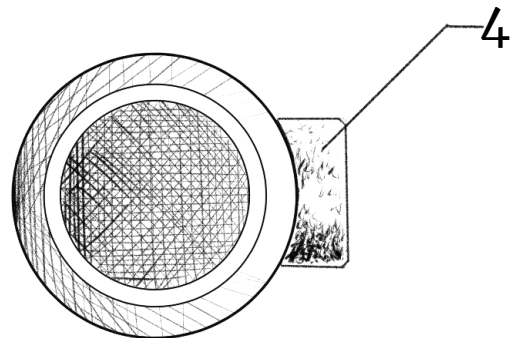


FIG. 8

Key of Dry Erase Marker Components

- [1] Marker's cap, made with plastic.
- [2] Dry eraser on the top of the cap, made from felt material
- [3] Nib or stick that absorbs the ink for writing
- [4] Dry eraser on the long side of the marker
- [5] Bottom piece of the marker
- [6] Plastic of the main body marker
- [7] Dry erasable ink
- [8] Bottom plastic piece of ink tube
- [9] Ink tube
- [10] Magnetic film underneath material of [4]
- [11] Plastic window into the marker, to see into it

Question

Things to cover in this would be how you thought of the idea. What theories of creativity does your creation embody? Who do you think might be likely to buy your idea? In other words what function does this serve in society? Remember it's ornamental but I'd like you to give a little thinking as to why you doing this

The patent project embodies the Six P's of Creativity. I am the person, explaining the process to create a product for a place to be used. I can persuade my audience to see its potential by explaining its uses and the problems it solves. Here, I will be explaining how the idea began and where I ended up.

Being in a school environment exposed me to a lot of issues and problems that reoccur. I watched many professors use the draw erase markers for their lectures. Oftentimes, they faced several obstacles to using them: 1. Finding a marker in the first place. 2. When the marker has run out of ink. 3. Finding an eraser to erase the writing that sometimes wasn't there or across the room. This invention aims to solve all of these issues. For issue 1, implemented a magnetic film [10] under the long-side eraser [4]. This side sticks the marker onto the board making it convenient to find and put away. The feature accommodates whiteboards with no holding ledge to set markers on. For issue 2, while this may not completely solve it, it reduces the effort of uncapping the marker and testing it out. Instead, with the window part [11], the user can look into the marker and see the amount of ink left in the tube. For issue 3, the marker carries both erasing components, on the horizontal face to erase large areas [4] and the other side on the cap top [2] to erase finer details. The cap can be popped onto the end of the marker piece, like a regular maker would.

I relied on problem-solving to brainstorm this product and assessed the practicality and the potential buyers. From the situations I

witnessed, I guarantee this is what a professor, teacher, and lecturer must have. As mentioned above, it solves many inconveniences and waste and cost issues. Alternatively, consumers no longer need to purchase a dry-erase marker and eraser separately or build and buy a marker holder if the whiteboard fails to have one. Society would benefit from this invention. It will improve this quality of life since still many people are annoyed by these issues. This patent embodies the Problem-finding theory since the idea came from everyday professor problems.

Mednick's Associate Theory was also a big part of creating my invention. The environment of a dry-erase marker had things like dry erasers, a magnetic whiteboard, and a marker holder, all made me consider implementing its uses into the product. It was more likely to happen than to consider putting in a condiment dispenser or something. This theory is very similar to the network model. Other existing inventions contributed to my idea, which relates to functional fixedness. Pencils with erasers on top of them exist, so it's not a far leap to consider markers with erasers that carry them too. This bias has led to a very familiar writing instrument, without functional fixedness, more unconventional combinations would have lost practicality. So I dropped the idea of making the marker with a heavy hammer end. In my brain, this probably would only appeal to lecturing carpenters.