## BRILLIANT MINDS - US PATENT SEARCH

To begin this hunt, find the patent that was ruled invalid in 1883 because the design had been copied from earlier drawings by William Sawyer. You can use google to find this one, then enter the patent number in the patent search box, and use this site to find the rest of the patents.

1. "Bright idea." The date on this patent is the number for the next patent \#.
2. "A Fish story." Multiply all numbers (no letters) in Fig. 1 for the next patent \#.
3. "162 years later." Go to Front Page. Multiply the day of the month by the patent number for the next patent \#. Be sure to use Front Page.
4. "Stopping power." Use the four letters of the type of machine for the next patent \#.
5. "HHOHHOHHO" Add all numbers in Fig. 3. Multiply this number by the number directly under \#71 for the next patent \#.
6. "Kick me." Reverse this patent number. Multiply this number by the number of Figs. on this page for the next patent \#.
7. "In a new town." Pg. 2, Table III, No. 5, Rainwater x 3. Subtract the answer from the patent number for the next patent \#.
8. "Red fern." Using to Fig. 1, follow these instructions:
9. Assign a number value to the letter found in the gray boxes on both sides of the diagram.
10. Multiply this number by how many times this letter appears in Fig. 1.
11. Multiply the resulting number by the number of G's found in Fig. 1.
12. Subtract the resulting number from the year for the next patent \#.
13. "From the top down." Go to Front Page. Then use the following to find the next patent \#:

25-5-1
60-6-10
50-4-1
30-1-9
51-5-3
21-1-5
10. "A sideways idea." Use the date. Then select the following to find the next patent \#:
\#1+\#5
\#7- \#3
\#1+\#4+\#5
\#2+\#3+\#8
\#5+\#7
\#3+\#5
11. "I've got you covered" From the title: \#5, \#15, \#19, \#22, \#15, \#7 for the next patent \#.
12. "1:52" Fig. 1: The name that belongs on the line marked ' $x$ '.

This is the solution to the hunt. Submit this name as your official answer.

