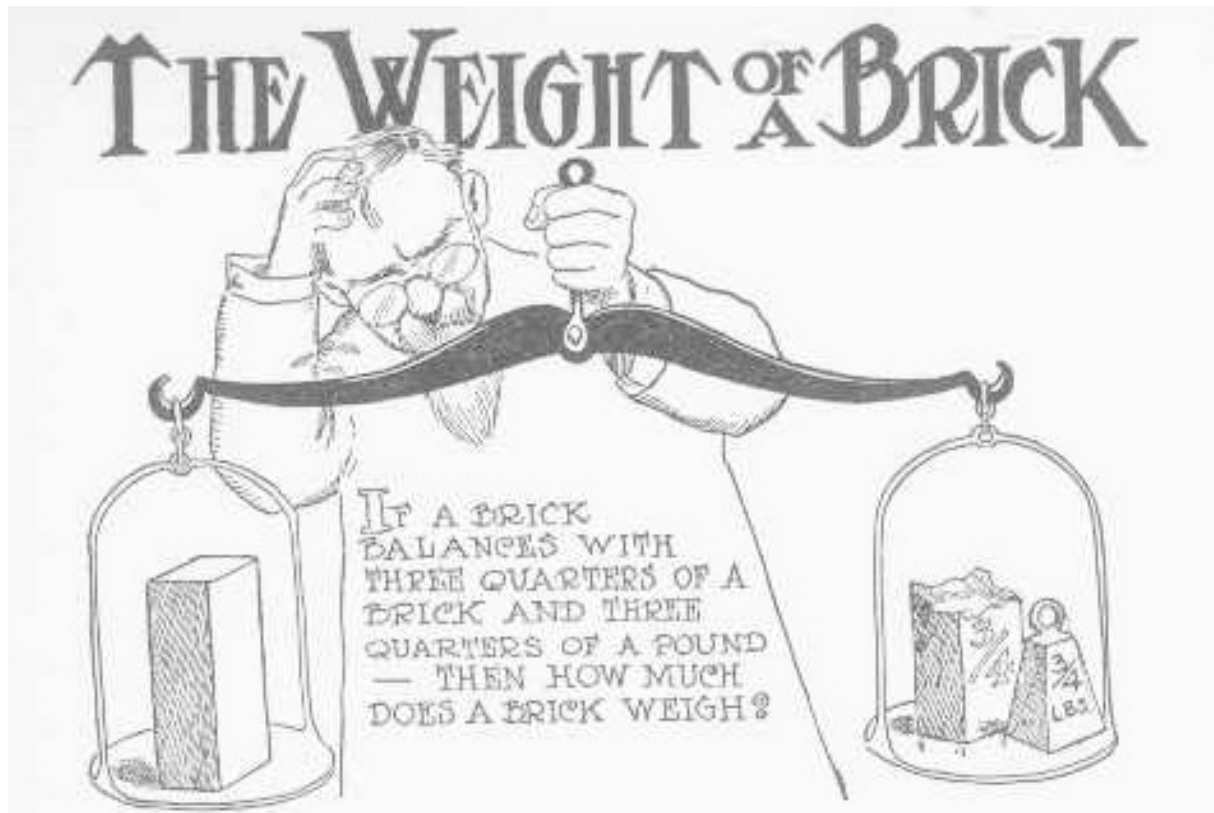


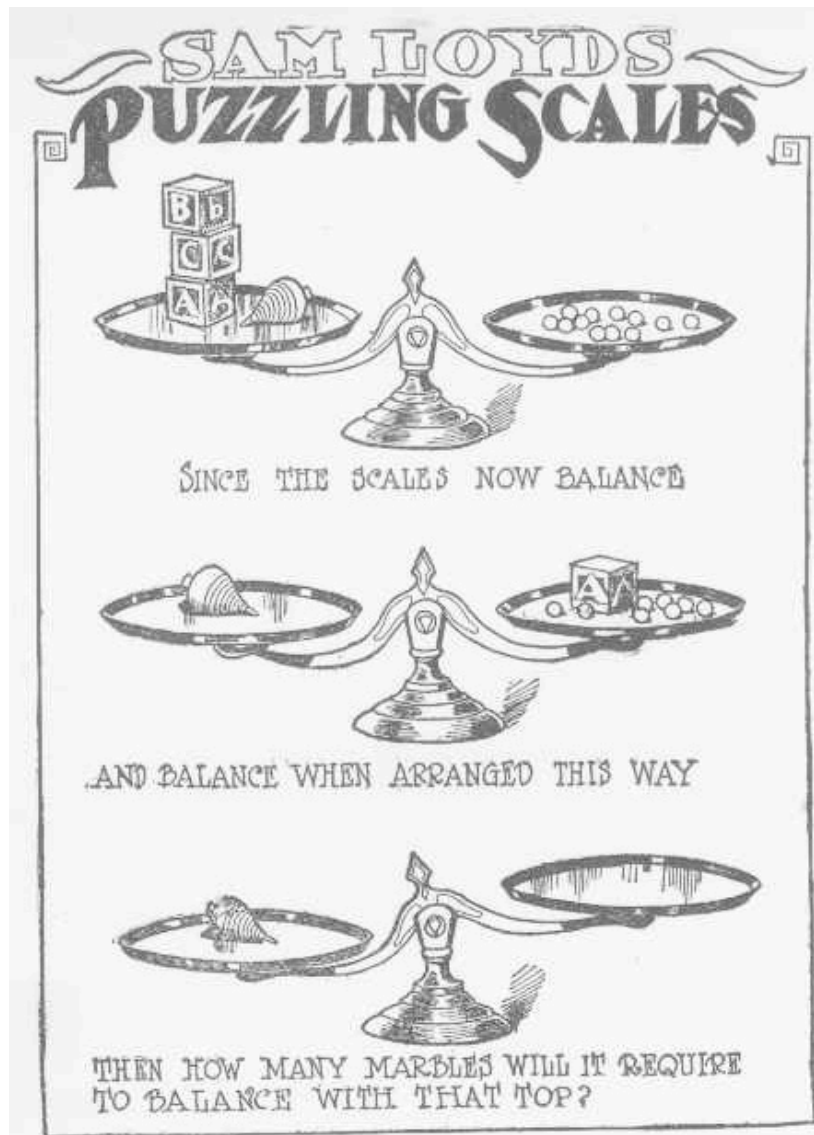
Sam Loyd's Problems

Problem # 1



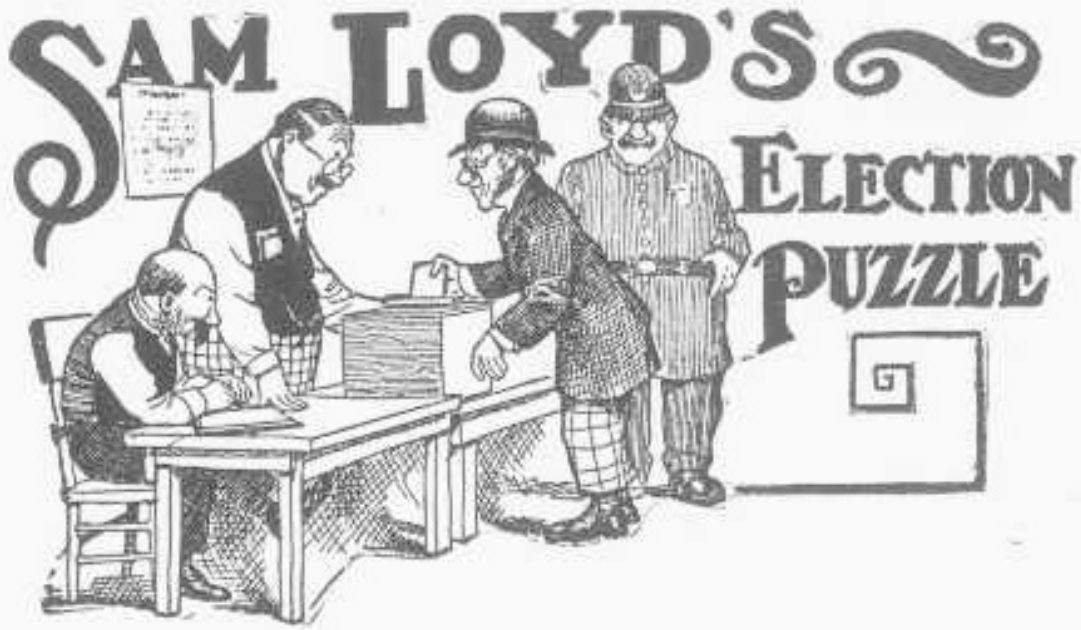
Sam Loyd's Problems

Problem # 2



Sam Loyd's Problems

Problem # 3

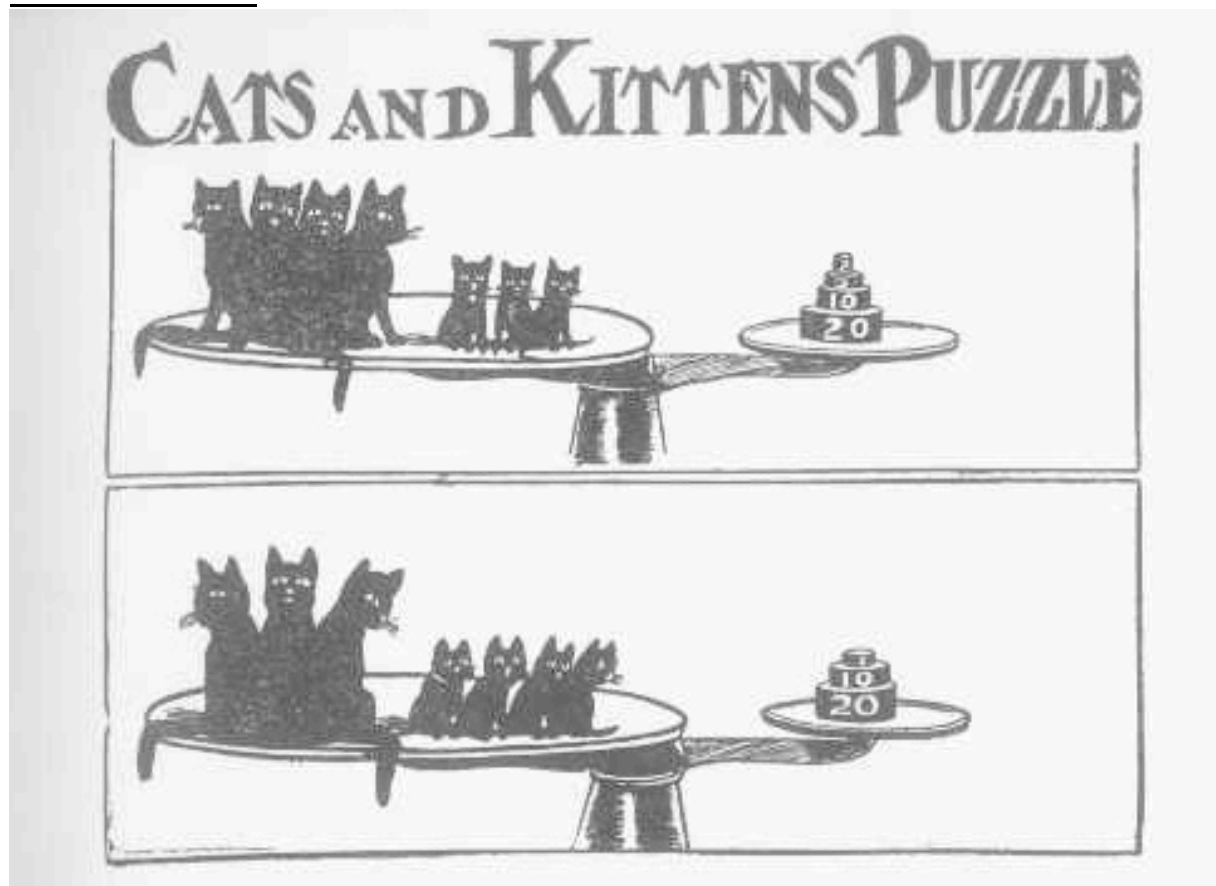


The illustration depicts a scene from an election. Four men are gathered around a table. One man is seated on the left, writing on a document. Another man stands behind him, looking at the document. A third man, wearing a hat and a long coat, is placing a ballot into a box on the table. A fourth man, also in a hat and coat, stands to the right, holding a large bundle. In the background, a sign reads "SAM LOYD'S ELECTION PUZZLE". To the right of the sign is a small square containing a spiral pattern.

Here is a simple but somewhat pretty problem which developed at a recent election where 5,219 votes were cast for four candidates. The victor exceeded his opponents by 22, 30 and 73 votes, and yet not one of them knew how to figure out the exact number of votes received by each. Can you give a simple rule for giving the desired results?

Sam Loyd's Problems

Problem # 4



Elementary Lessons in Algebra.

Seeing that four cats and three kittens weigh thirty-seven pounds, while three cats and four kittens weigh but thirty-three pounds, we are asked to tell the respective weight of cats and kittens.