“Verified Voting” is not a new concept. But voters want to see not only how their votes are recorded, but also how they are counted. This problem was solved by Shoup in 1929, as shown above.

When the “X” (44) appears on the ballot face as each lever (30) is pulled by the voter, the master gear (also 44) is advanced to increment ONLY one counter (44a) by one digit. Thus, one vote is added to the tally, and it is not possible for that vote to be counted for any other candidate or ballot position.

To emulate this in a reliable and secure way using software is “NOT POSSIBLE”, according the National Institute of Standards and Technology who, with the US Election Assistance Commission, write today’s “certification” standards for voting systems.

3/4/09 -- Howard Stanislevic
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