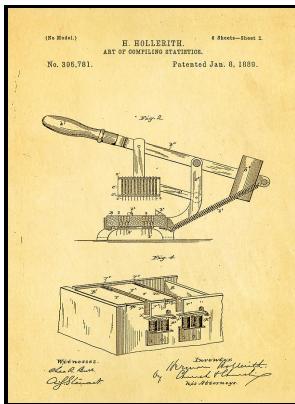


Principles of punched card data processing

Harper and Row - Browse subject: Punched card systems



Description: -

Interior decoration -- Amateurs manuals.

Numismatics -- Iran.

Coins, Iranian.

Punched card systems. Principles of punched card data processing

-Principles of punched card data processing

Notes: This ed. originally published, Elmhurst, Business Press, 1967.

This edition was published in 1971



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Data representation with negative values

The tab machine prints the actual report by reading the master card to print the name and previous totals, then the machine reads all the detail cards, printing a line for each one and accumulating new totals.

Data representation with negative values

The diagram below shows the encoding; a letter combines a digit punch 1-9 with a zone punch a hole in 0, 11 or 12.

Van Ness Principles of Punched Card Data Processing 1962 IBM punchedCard Training
[Van_Ness_Principles_of_Punched_Card_Data_Processing_1962.pdf](#)

Although the 12 thyratrons are physically installed in a line, they are electrically wired in a 3x4 grid. Not exactly Big Data yet, but the capabilities gave managers a better view into how their business was functioning.

Browse subject: Punched card systems

IBM Type 82 Card Sorter. As a card is read, the cams open and close, selecting each thyratron in sequence to hold the value hole or no hole for that card position.

Principles of punched card data processing (1967 edition)

Even though punched cards are now obsolete, their influence is visible whenever you use 80-column text. Brush mechanism in IBM Type 83 card sorter. With unsigned numeric PICTures, you just have the numbers, as there is no other information to show you.

Punched card

I never worked on tab machines my loss! These patents described both and rectangular cards as possible recording media.

Principles of punched card data processing (1967 edition)

A stack of metal guides called chute blades are used to direct the card into the appropriate bin. IBM and other manufacturers used many different 80-column card.

Inside card sorters: 1920s data processing with punched cards and relays

Hollerith founded the Tabulating Machine Company 1896 which was one of four companies that were to form a fifth company, 1911 , later renamed 1924. The diagram below shows the relay circuit in the sorter that counts the holes and determines if zero, one, or more holes are present.

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