Weaving
Brief history of Weaving

- ~7000 BCE, earliest woven fabric found in Anatolia (Turkey)
- Also appears in China, Peru and Egypt
Weaving Terminology
carpet loom

backstrap weaving
1. A basic draft

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**= the "you are here" square**

Diagram of loom parts:
- head roller
- beater
- beater handtree
- weft
- shuttle
- cloth roller
- cross beam
- front post
- crosspiece
- treadles
- take-up motion handle
- breast beam
- ratchet wheel
- ratchet
- warp roller
- warp
- back beam
- upright
- heddles
Jacquard Loom - 1803
Holes in the cards control which threads are raised for weaving the pattern.
Weaving and Computing

- Using punchcards to store and control sequence of operations
- 1837: Charles Babbage and Ada Lovelace, Analytical Engine, first general purpose machine
Figure 6-3.—Magnetic core showing "X," "Y," inhibit, and sense lines.
Woven Pressure Sensor