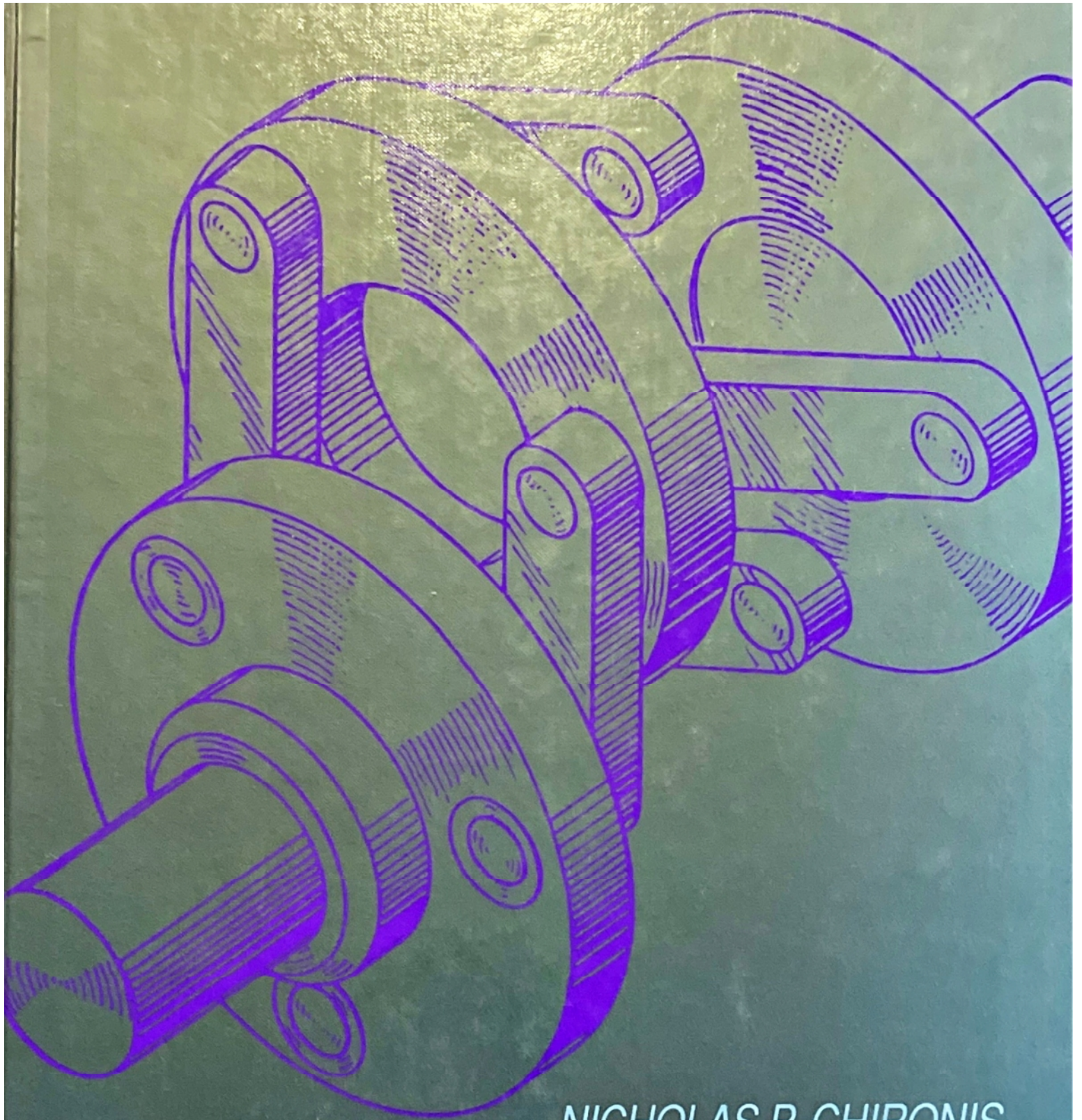




NICHOLAS P. CHIRONIS

MECHANISMS & MECHANICAL DEVICES SOURCEBOOK

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***MECHANISMS & MECHANICAL
DEVICES SOURCEBOOK***

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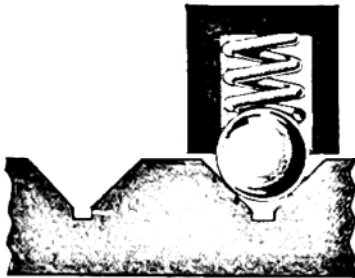
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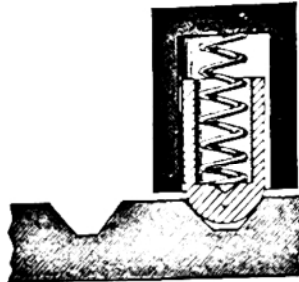
Detent designs for stopping mechanical movements

Some of the more robust and practical devices for locating or holding mechanical movements are surveyed by the author.

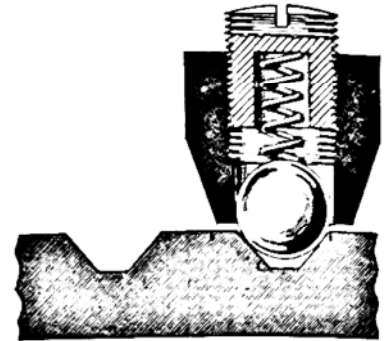
LOUIS DODGE



FIXED HOLDING POWER IS CONSTANT IN BOTH DIRECTIONS



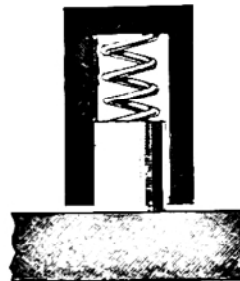
DOMED PLUNGER HAS LONG LIFE



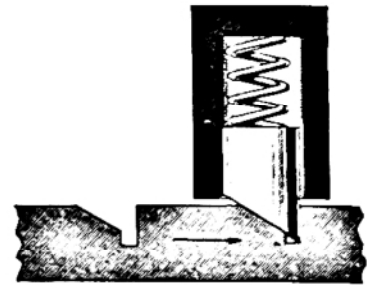
ADJUSTABLE HOLDING POWER



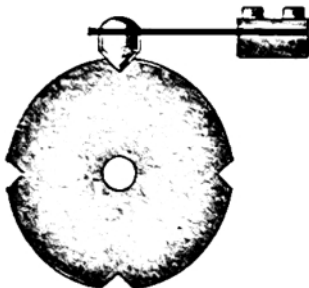
WEDGE ACTION LOCKS MOVEMENT IN DIRECTION OF ARROW



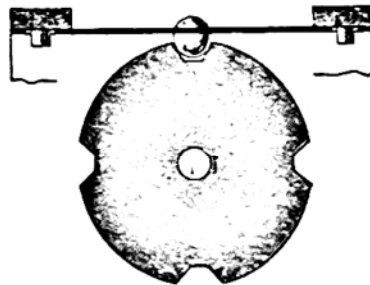
FRICTION RESULTS IN HOLDING FORCE



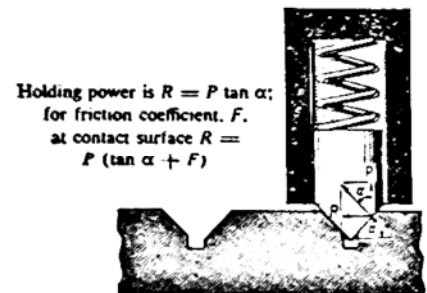
NOTCH SHAPE DICTATES DIRECTION OF ROD MOTION



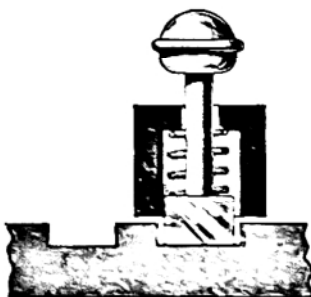
LEAF SPRING PROVIDES LIMITED HOLDING POWER



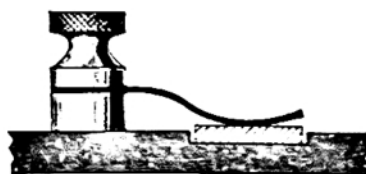
LEAF SPRING DETENT CAN BE REMOVED QUICKLY



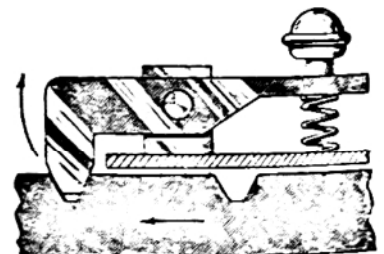
CONICAL OR WEDGE-ENDED DETENT



POSITIVE DETENT HAS MANUAL RELEASE



LEAF SPRING FOR HOLDING FLAT PIECES



AUTOMATIC RELEASE OCCURS IN ONE DIRECTION, MANUAL RELEASE NEEDED IN OTHER DIRECTION