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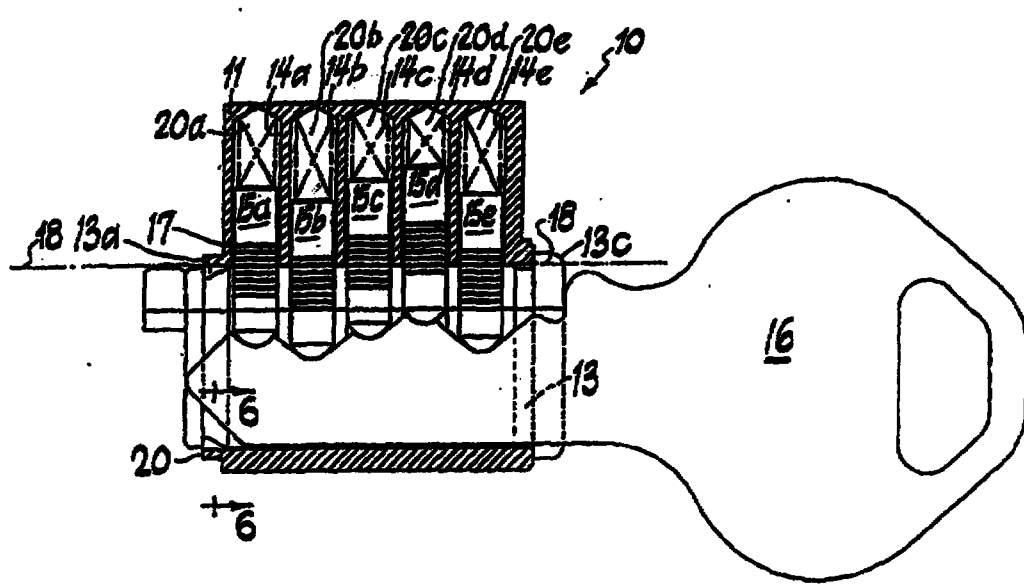
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+ Annexes

(54) Title: PIN TUMBLER CYLINDER LOCK WITH SHEARABLE ASSEMBLY PINS AND METHOD AND APPARATUS OF MANUFACTURE



(57) Abstract

A turnable lock (10) operable with driver (15u) and tumbler (15l) pins when positioned by a key (16) at a shear line (18) in which shearable assembly pins (15a) are assembled in the lock (10) and thereafter sheared to form such driver (15u) and tumbler (15l) pins for operation thereon. Each assembly pin (15a) is selectively weakened at a plurality of locations (17) which correspond with notched depth heights of the family of keys (16) capable of insertion in the keyhole. Such weakening is controlled so that pin shearing can be accomplished by application of rotational or linear forces applied to any part of the lock (10) except the key (16). When linear forces are used the tumbler or plug (13) may be indexed to employ a driver pin (15u) as a plug lock.