1. **HAND MANEUVERED OR WORK SUPPORTED TOOL GUIDES**
   - Relatively movable jaws

2. **OPERATOR SUPPORTED**
   - Convertible to bench supported
   - With opening through handle for work supply
   - Handle manipulation for jaw actuation

3. **SOLIDIFICATION OF WORK CONTACTING MEDIUM**

4. **MAGNETIC HOLDER**

5. **PLURAL SELECTIVELY USED HOLDERS**
   - Work stop abutment
   - With holder illuminating means
   - With dry run work driving means
   - With product discharge facilitator
     - Product mover
   - With catch pan
   - With part or tool holding receptacle
   - With ground traversing means
   - With plumb indicator
   - With fluid means
     - Vacuum-type holding means
     - With movable diaphragm
     - With safety means
     - Plural positioning means sequentially operated
     - Cylinder-piston means directly moves jaw(s)
     - With equalized pressure on plural (nonopposed) jaws
     - Cylinder-piston means in series with additional positioning means
     - With separate air means in series with liquid means
     - Including self-contained manual pump means
     - With common fluid means for holding and releasing
     - Cylinder-piston unit rotatably and/or pivotally mounted
     - Mechanical means between fluid means and jaw

6. **PLURAL HOLDERS TO HOLD WORKPIECES RELATIVE TO EACH OTHER**
   - Fletching jig (i.e., arrow feathering holder)
   - Fixed work-contacting portions for each holder
   - Workpieces normal to each other (e.g., miter clamps)
   - Means for simultaneous actuation of holders
   - Workpieces parallel to each other (e.g., box-shook clamp)
     - Three holders
     - With means to relatively array or arrange holders

7. **SUSPENDED HOLDER**
   - Holder inserted within work aperture
     - With tool couple element
     - Expandable mandrel
     - Plural pin mandrel
     - Having intermediate expanding means
     - And coil spring
     - Inserted holder movable relative to work backup
     - Holder mounted for movement
     - Compound or plural movement
     - Within concentric opening

8. **PIN-TYPE HOLDER**
   - With work-overlying clamp
     - With means to drive pin into work
     - Including opposed coacting pins
     - Three or more pins
     - With work-underlying support
     - Pin perpendicularly extended

9. **HOLDER MOUNTED FOR MOVEMENT**
   - Relative to a station
     - Rotary (e.g., dial type)
     - Including means to shift holder position
     - With means to lock shift means
     - Screw means
     - Gear means
     - Treadle means
     - With indexing steps
     - Corrugated
     - Threaded
     - Cam or eccentric means
     - Pin-rack
     - Pawl-rack
     - Peg-hole

**FENCE BOARD HOLDER AND GAUGE**

January 2009
...With bias means
With plural means for changing holder positions
..Single lock for plural means
..Means for dual position only
..Means for position lock
..For universal joint
..Set screw type
..Periphery clamp type
..Split ring type
..Effective on a movable brace
..For yoke type
..Of holder to table (i.e., reference base or wall)
..Plane bearing surfaces clamped together
..Radial bearing surface type
....Central clamp
....Plural clamps
**RELATIVELY MOVABLE JAWS**
. With tool couple element
.1 With guide means
.2 Slot type
.3 Hole type
. Convertible to other type or form of holder
. Jaw actuation locks holder position relative to base
. With separate means to lock jaw(s) after actuation
. Clamp couple element with fastening means
. With plural actuating means
. Responsive to element actuating means
..Rocking-element type
. With means to fasten holder to support (e.g., portable)
.Wrench or plier type of work holder
..Clamp type fastening means
...Unitary fastener-jaw and holder-jaw
..Socket type fastening means
..Aperture in support
..Threaded fastening means
..Nail or spur fastening means
..For cable about thimble (e.g., rigger's vise)
..Plural jaw pairs, angularly oriented, for common work
..Three jaw couples in three nonparallel planes

...With actuating means for each couple
..Interrelated actuating means
..Constricting loop common to plural jaw pairs
..Four relatively movable corner-angled jaws
..One actuated jaw carries a second actuated jaw
..Quadrilateral frame type
..Diagonally moved jaw
..Plural actuating means for one side
..Plural actuators on each of two sides
..Actuator located at corner
...Actuators at diagonal corners
.....Actuator at each corner
...Actuated jaw couples perpendicularly related
.....Actuator for each side
...One couple adjusted and one couple actuated
..Adjustment means intermediate ends of side
...Adjustment means including attached wedge means
.....Wedge means attached by chain
...Adjustment means at diagonal corners
.....Adjustment means at four corners
...Including pivoted yoke frame jaw carrier
..With specific latch means
...Latch means includes jaw actuating element(s)
..With jaw actuating means intermediate yoke legs
...Including constricable loop (strand or articulated) jaw
..Flaccid loop
..With means to actuate a coacting jaw
..Weight of a vertically disposed panel actuates jaws
..With means for "hold-down" component of force
..With rockable work contacting member
..Moved by linearly acting jaw
..Inclined actuator and/or jaw travel
138 ..With wedge or cam means 
139 .With means to align coacting jaw 
    faces 
140 .With separate positioning means 
    for each of jaw pair 
141 ..Adjustable positioning only 
142 ..Separate means to actuate each 
    of a jaw pair 
143 ...Portable C-clamp type 
145 ...Same actuator type for each 
    jaw 
146 ..Means to both actuate and 
    adjust the same jaw 
147 ...Plural straight beam type 
148 ...Plural parallel beams 
149 ...Extensible beam 
150 ..Pivoted jaw actuator means 
151 .With means to orient actuating 
    force on jaws 
152 .Plural jaw pairs 
154 ...With common actuating means 
155 ...One jaw common to plural 
    coacting jaws 
156 ...Acting in intersecting planes 
157 .Three coacting work grippers 
158 ..Pedal lever actuator 
159 ...Including position latch or 
    lock 
160 ...Spring coil around actuating 
    screw 
161 ...Leaf spring between pivoted 
    jaws 
162 ...Spring coil around or abutting 
    cam or cam follower 
163 ...With articulated attachment or 
    insert for jaws 
164 .With means for lateral 
    adjustment of jaw portions 
165 .Means for direct manual 
    adjustment of jaw(s) 
166 ...With cant type adjustment lock 
167 ...Including separate cant member 
168 ....Means for skewing plural 
    members to actuate jaw(s) 
169 ....Plus additional means to 
    release cant lock 
170 .....With means to bias member 
    into locked position 
171 ...Including interlocking 
    abutting surfaces 
171.5 ...With tooth-like surface 
    engaging a planar surface 
172 ..With relative axial shift of 
    screw-nut actuating means 
173 ....Split nut type 
174 ....With separate means for 
    lateral motion of segments 
175 .....Including weight biased 
    lever 
176 .....Common to spaced parallel 
    screw means 
177 .....Control travels with screw 
178 ....With screw mounted means for 
    lateral segment motion 
179 ...With longitudinally rockable 
    actuating screw 
180 ....Direct hand tilt 
181 ...Half nut type 
182 ....With separate means for 
    lateral nut-screw motion 
183 .....With pedal means 
184 ...Interrupted thread type 
185 ....Antipodal screw thread 
    sectors 
186 ....Rack-like nut thread sector 
187 ....With continuous screw thread 
188 ..With common means to both lock 
    and actuate jaw(s) 
189 ...Screw-nut type 
190 ....With wedge means in the lock 
    mechanism 
191 .....Roll or ball gripping 
    element 
192 .....With pawl-rack 
    immobilization means 
193 .....Pivotal or rockable pawl 
194 ....Pawl-rack adjustment lock 
195 .....To immobilize nut 
196 ...Cam or eccentric type 
197 ....Plural cams in series 
198 ....Cam in series with diverse 
    actuator 
199 ...Screw-nut type 
200 ....Plural cam surfaces 
201 ...Including radial face and/or 
    axial follower feature(s) 
202 ....Rack-pinion sector 
203 ..With clamp (or friction) type 
    adjustment-lock 
204 ...Pivoted eccentric for applying 
    lock 
205 ...Plus additional means to 
    release lock 
206 ...Deformable elastic plug 
    gripping element 
207 ..With detent type adjustment- 
    lock
...Peg-hole
...For pivoted jaw
...Movable rack
...Pin-rack
...Pawl-rack
....Detent positionable by rocking of screw actuator
....With lever type actuator acting through pawl
...Spring urging pawl
...Means to actuate jaw(s) (i.e., apply holding force)
...Work camming or wedging action type
...With common means for each of coacting jaws
...Spaced parallel screw means
...With specific means for angular positioning of jaws
...Plural means for one jaw
...Plural intergeared screw-nut actuating means
...Including means to move nut
...With yieldable means in actuation train
...Gear type
...Worm
...Rack and pinion
...Toggle type
...Cam, eccentric or wedge type
...With position latch
...Cam surface is jaw face
...Including radial face and/or axial follower feature
...Including cam slot or groove
...Slidable wedge
...Eccentric cylinder or disc
...Cam on end pivoted hand lever
...For pivoted jaw(s)
...First class lever action type
...Third class lever action type
...Screw-nut type
...Differentially threaded
...Right and left threaded
...Rotating nut means
...Screw held at ends for rotation only
...With means for relative rotation of elements
...Screw travels with jaw
...Screw within traveling box-beam guide
...With separable or replaceable nut means
...C-clamp type
...Means to keep faces parallel and/or translate jaw
.....Flange and/or slot
.....Traveling means parallel to screw
.....Plural traveling elements coplanar with screw
......Bias type (e.g., weight, spring, resilience)
....Dental flask
....Drawing board
....Coil spring
....Movable weighted member
...With paralleling mechanism for jaws
...Jaw features
...Angularly alignable
...Attachments and/or inserts
...With hook type fastener means
...With socket type fastener means
...With threaded type fastener means
...With yieldable type fastener means
...Loosely positioned between coacting jaws
...Plural spaced work contacting portions
...Settable elements conformable to work contour
...With pressure equalizing means
...Angular and/or curved jaw face
...Opposed jaw faces diversely shaped
...Complementary to work configuration
...Attachment(s) and/or insert(s)
...Interdigitated
...Named material
...Nonmetallic
...Yieldable element
...With magnetic fastening means
...Coacting elements loosely positioned between jaws
...Elements jointed by a pivot or link
...Selective
...By substitution
...With yieldable type fastener means
...With threaded type fastener means
With socket type fastener means
With detent type fastener means
Specific means for wear, strain, protection, assembly
Specific material(s) used for holder
HOLDER ENCLOSES WORK
With tool couple element
WORK-UNDERLYING SUPPORT
With tool couple element
..With work-stop abutment
..Element projectable through support
..In support surface
...Cylindrical element
...Guiding slot for horizontally moving tool
.Gapped support
..With movable work-stop abutment
..Abutment movable in gap
....Plural separately mounted slidable abutments
....With abutment position indicator
....With abutment lock
..Enclosed gap
.Mixing or kneading board
..With work-stop abutment
..Attached to movable support portion
..Multiple direction restrainer
..Suspended abutment
..With sight gage
..With work supply supporting means
.Support mounting means
..Support resiliently urged upwardly
..Means to hold plural support blocks
...By through rod
....Blocks enclosed by holder
...Blocks enclosed by holder
.Movable roller
WORK-STOP ABUTMENT
.Vertically compressible abutment
.Resiliently urged abutment
.Abutment mounted between spaced parallel arms
.Plural spaced abutment surfaces
..With motor drive abutment moving means

MISCELLANEOUS

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