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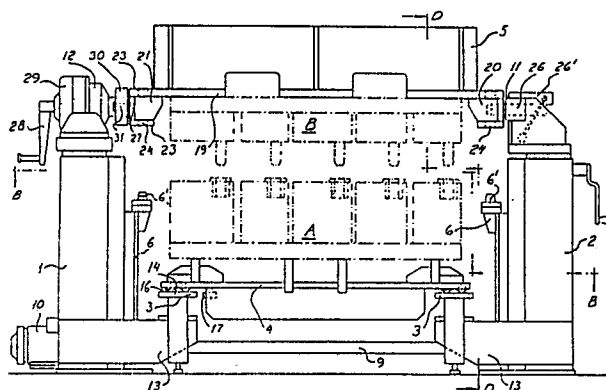
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54 **Unit for handling of two-part tools.**

57 The present invention relates to a unit for handling, separating, assembling and turning of two-part press and punch tools and the like comprising a lower part (A) and an upper part (B) which are fitted together by means of guides.

The novelty of the invention is that the unit includes two columns (1, 2) between which there is a space for receiving a roller table or similar carrying means (4), a pair of lifting yokes (6) being vertically and synchronously movable along the columns on either side of said space, and a crosspiece (5) arranged between the columns above the space and provided with a fixture designed for connection with the upper tool part, said crosspiece being connected with the columns by means of members (11, 12) which are movable into and out of engagement with the crosspiece and permit turning of the crosspiece around a horizontal axis, and that the lifting yokes (6) and the crosspiece are provided with stop and positioning means (6', 20, 21, 24) adapted to permit connection of the lifting yokes with the crosspiece in two turning positions and vertical displacement of the lifting yokes between the columns when the members (11, 12) for turning around the crosspiece are made inactive.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	FR-A-2 394 389 (G. BINNINGER) * Whole document *	1, 2, 6, 7	B 21 D 37/14
Y		3	
A		4, 5	
Y	--- US-A-3 456 481 (A. ZEITLIN) * Figures 1, 4; column 1, lines 23-26; column 3, lines 47-55; claim 1 *	3	
A	--- FR-A-1 223 477 (D. DURAND et al.) * Figure 5; page 2, column 2, lines 11-32 *	1, 3	
A	--- DE-A-1 502 291 (H. MÜLLER) * Figures 1, 3, 4a, 4b; claims 1, 2, 4, 5, 7 *	1, 2, 5, 6	B 21 D 37/00
A	--- FR-A-1 392 604 (ETABLISSEMENTS MONCHAL) * Figures 1, 3; page 2, column 1, lines 12-17; summary 1 *	1, 3	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-05-1986	Examiner MAJERUS H.M.P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	