

ARTIFICIAL ARMS AND HANDS.

Prices for Arms and Hands vary according to the length, equipment and quality, from \$25.00 to \$70.00. By describing your case we will cheerfully quote price.

Fig. 110. Represents arm, for amputation below the elbow; leather socket and leather lacer above the elbow, both reinforced with steel frame, connected at elbow with steel joint straps. It is supplied with a removable hand, either Fig. 111, made of wood, with rigid fingers and movable thumb, or Fig. 112, rubber hand, with ductile fingers. Any of the following implements can be furnished that may be attached to the wrist plate: Single hook (Fig. 116), brush, spoon, table knife, table fork, double hook or ring; or any of the following, for use in the palm of rubber hand (Fig. 112), knife, fork, brush or hook, can be supplied.

Fig. 113. Represents arm with ball-and-socket wrist joint, for amputation below the elbow, but not suitable for an amputation near the wrist, for the reason that the space in that locality is required for the mechanism of the joint. In the various uses to which an artificial hand may be put, a change in the position of the hand is often desirable; for example: in keeping a book or paper in position while being written upon with the sound hand, the artificial hand can be turned so that the tips of the fingers will rest upon and hold the article securely in place. In bringing the arm in front of the body the ball-and-socket joint admits of the hand being brought near to the body in a very easy, lifelike manner. In other positions desired the hand may be placed at the degree of flexion most convenient and helpful and that giving the most natural appearance. The forearm and attachment above the elbow are leather, supported with steel framework. Wooden hand with movable thumb is furnished with or without traction rod for opening thumb with shoulder movement, but no provision is made for the use of a hook or other implement in place of the hand. A rubber hand (Fig. 112) with palm socket for implements can be attached, if preferred. For persons not employed in laborious occupations and who have no occasion to use a hook or similar implement, this style of arm is desirable; for others we would recommend Fig. 110.

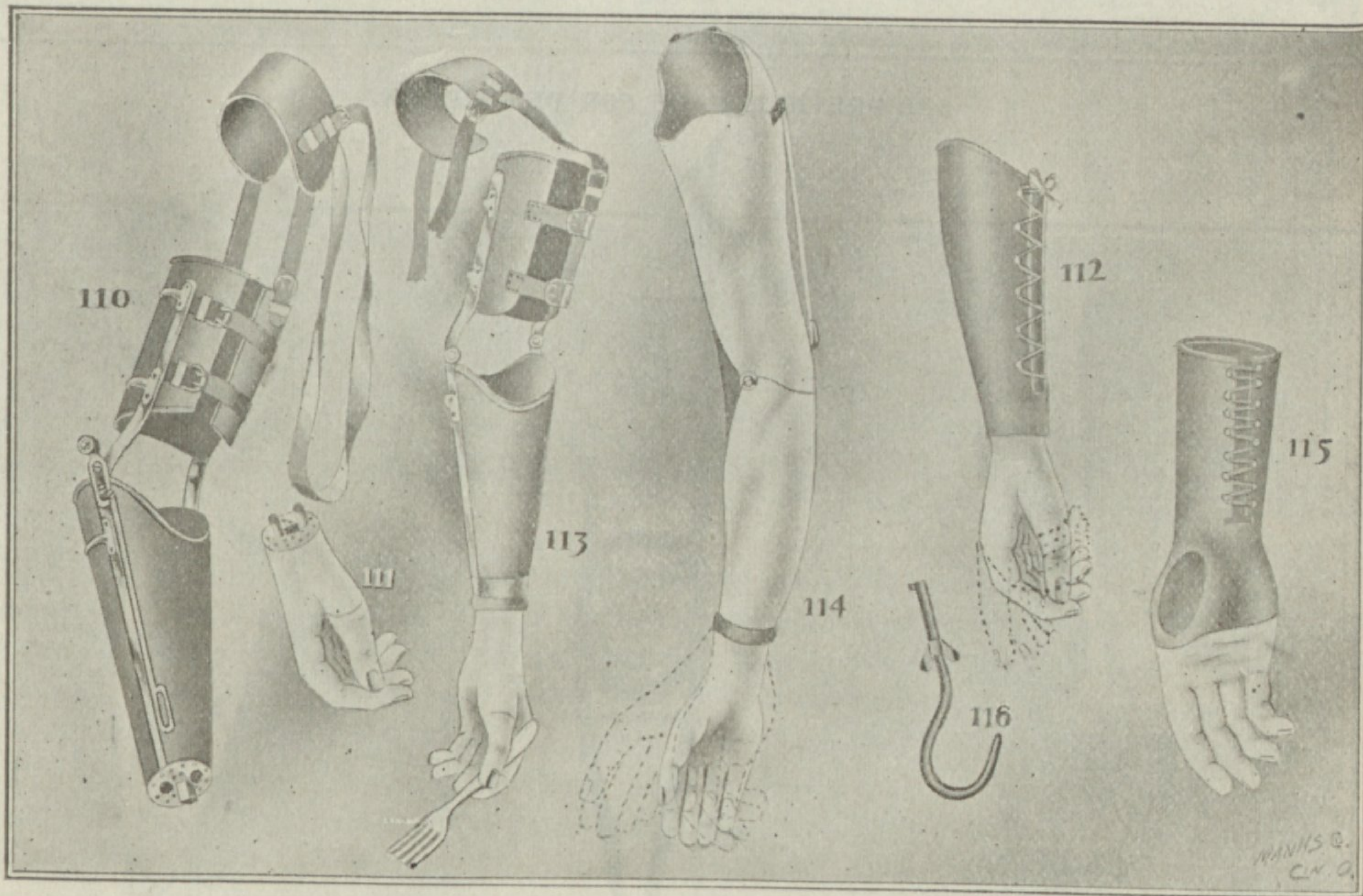


Fig. 114. Represents wooden arm, for amputation above the elbow, with ball-and-socket wrist joint. An explanation of the ball-and-socket wrist, for amputation below the elbow, is given under Fig. 113. The joint is universal and admits of placing the hand in any position as shown by dotted lines. This is kept in place by spring friction on the ball. The wrist can not be made quite the natural shape — that we are able to produce without the ball-and-socket joint; but this must be, necessarily, round. This part, however, is usually covered with the cuff or sleeve and is not conspicuous.

Fig. 115. Represents for stumps after partial amputation of the hand, leaving free use of thumb. A wooden sheath, terminating in immovable fingers partially closed, the hand being attached to the wrist and forearm by means of a leather lacing attachment.

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