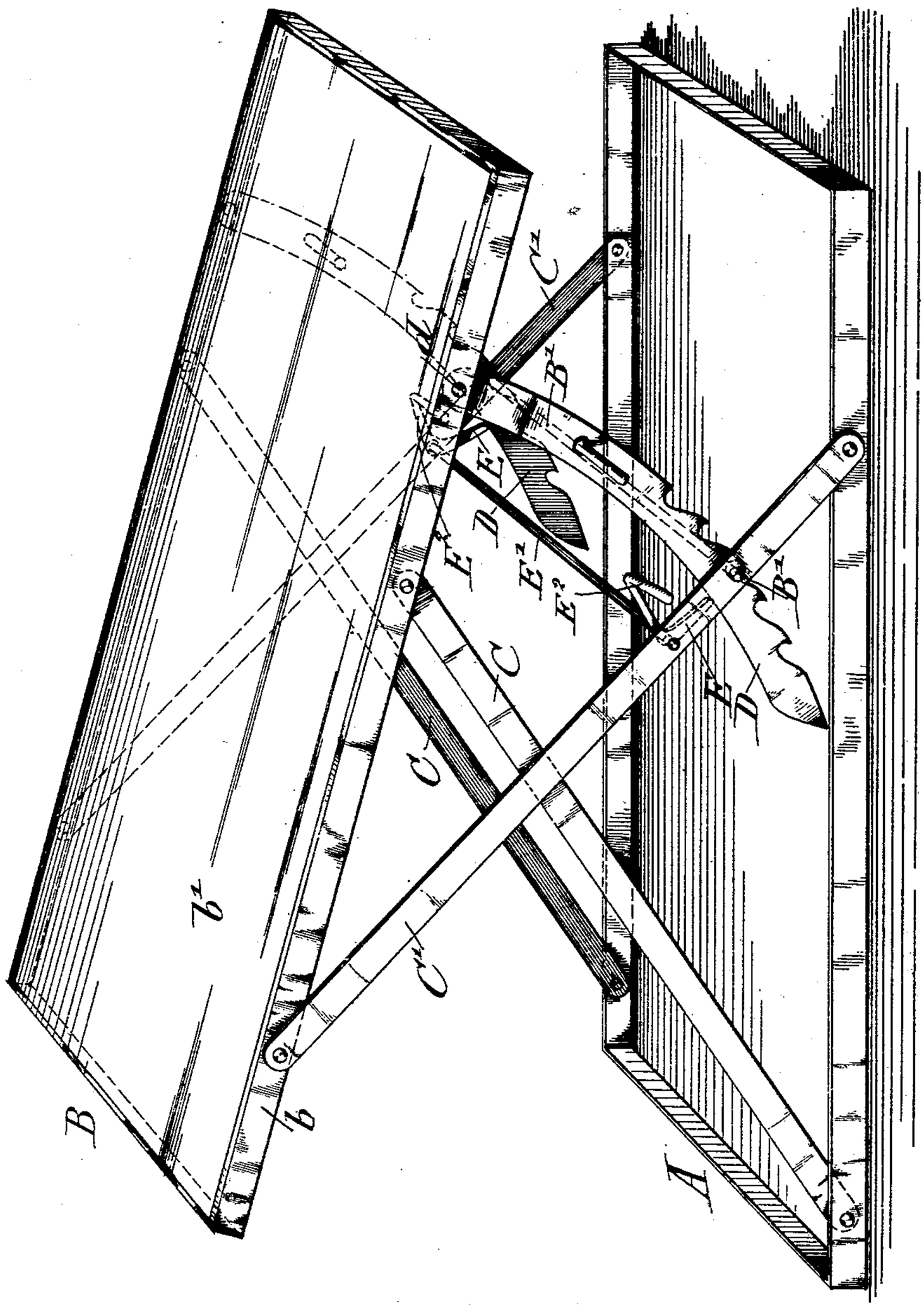
(No Model.)

# H. A. KAYSAN.

## OPERATING TABLE.

No. 541,360. Patented June 18, 1895.

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# UNITED STATES PATENT OFFICE.

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## OPERATING-TABLE.

SPECIFICATION forming part of Letters Patent No. 541,360, dated June 18, 1895.

Application filed April 26, 1895. Serial No. 547,250. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY A. KAYSAN, a citizen of the Empire of Germany, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Operating-Tables, of which the following is a specification.

This invention has reference to an improved operating-table for hospitals and surgical purposes generally, which has the advantage that the table can be rigidly supported in horizontal, forwardly and backwardly-inclined positions according to the operation to be performed, so that the body to be operated on can be placed in the position most convenient for the surgeon in performing an operation; and the invention consists of an operating-table which comprises a base-frame, a table-top having an exterior frame corresponding to the base-frame, pivoted crossing-supports connecting the base-frame with the frame of the table, toothed stays or rack-bars that are pivoted to the frame of the table and adapted to interlock with a transverse cross-rod of one set of supports, and a locking-device for locking the stays in position after the table has been set into the proper position.

In the accompanying drawing is represented a perspective view of my improved operating-table for surgeons' use.

Referring to the drawing, A represents an oblong base-frame which is preferably made of wrought iron, and B the oblong table-top which is also made of an oblong frame of wrought-iron *b*, and a solid glass-plate *b'* supported by said frame, as is customary in surgical operating-tables. The base-frame A is connected with the frame of the table-top B by means of two pairs of crossing supports C, C', which are pivoted respectively to the inside and outside of the side-pieces of the base-frame A and frame *b*.

To the frame of the table-top are pivoted near one end at *d*, the arc-shaped and toothed stays or rack-bars D, which are adapted to engage a transverse rod B' of the pivoted supports C so as to permit the table-top to be either in horizontal position, or in forwardly and backwardly-inclined position according to the position which it is desired to impart to the body in operating. After the table-top has been set in the required position, the stays are locked in position on the cross-rod B' so as to prevent it from being accidentally released therefrom, during the operation, by means of locking-arms E that are connected by a rotable cross-rod E' and provided with cranks $E^2$ at their inner ends, so as to place the arms E in position for locking against the rear edges of the stays D. When the locking-arms are placed in this position, the stays are rigidly locked to the cross-rod B' and prevented from getting detached therefrom, while the locking-arms impart a rigidity to the the table, which is absolutely necessary for supporting the weight of the body placed on the table-top.

The locking-arms can be readily unlocked from the stays whenever re-adjustment of the table-top is required, and placed again in position so as to lock the stays, as the supports are so arranged that they permit the easy and convenient adjustment of the table-top to the position required for use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An operating table for surgeons' use, consisting of a base-frame, a table-top provided with an exterior frame, paired crossing supports pivoted to the base-frame and the frame of the top and provided with a cross-rod connecting one pair thereof, toothed stays pivoted to the frame of the top and adapted to engage the cross-rod, and locking-arms adapted to bind on said stays so as to lock them in position on said cross-rod, substantially as set forth.

2. An operating-table for surgeons' use, consisting of a base-frame, a table-top provided with a frame, crossing-supports arranged in pairs respectively pivoted to the outside and inside of the base-frame and top-frame, stays pivoted to the frame of the top and provided with teeth on one edge, said teeth engaging the cross-rod of one pair of supports, and locking-arms pivoted to the latter pair of supports and adapted to engage the stays, so as to lock them to the cross-rod, substantially a set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HENRY A. KAYSAN.

Witnesses:
PAUL GOEPEL,
GEORGE W. JAEKEL.