

H. WEBER.

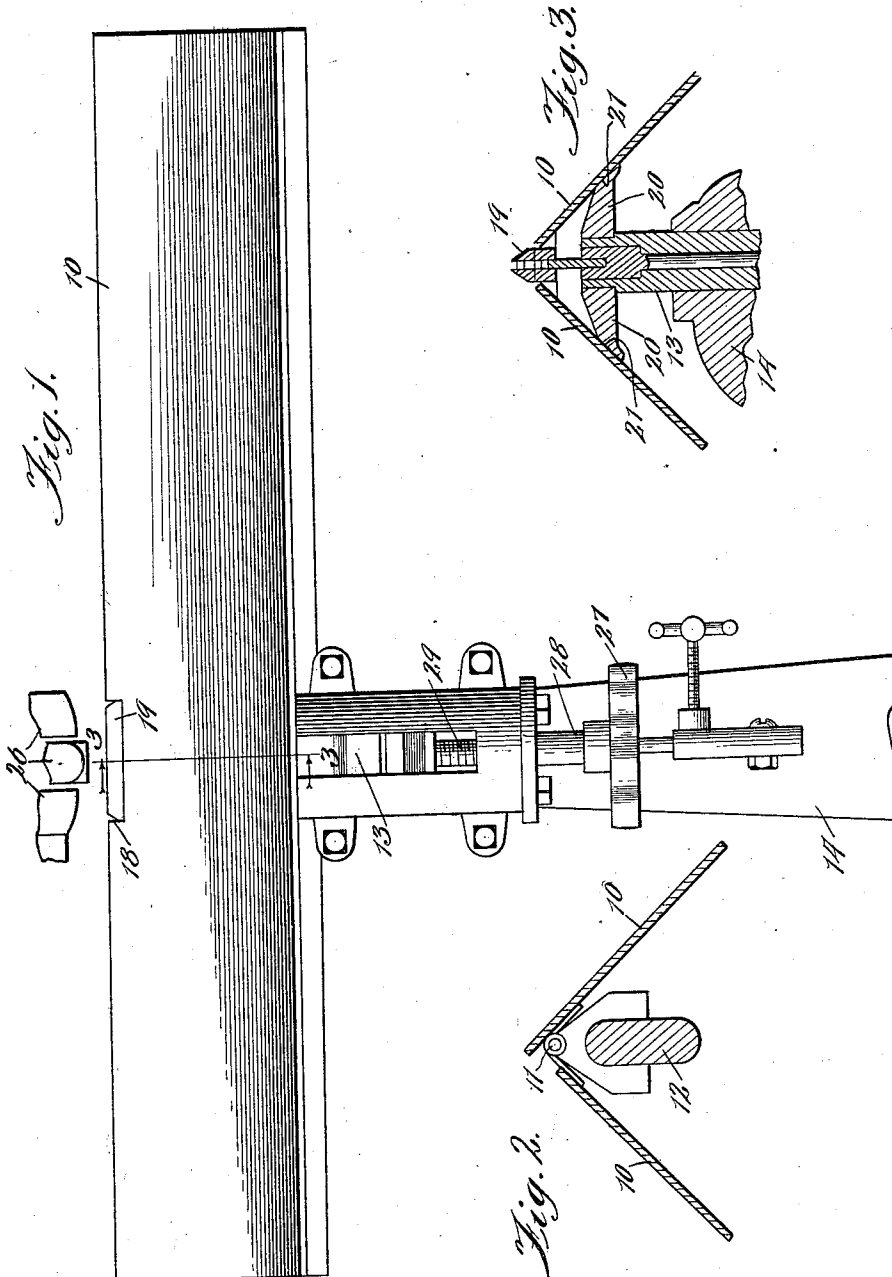
WORK SUPPORTING TABLE FOR STAPLE FORMING AND DRIVING MACHINES AND THE LIKE.

APPLICATION FILED FEB. 1, 1910.

1,046,695.

Patented Dec. 10, 1912

2 SHEETS-SHEET 1.



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J. G. Gochman, Jr.

Inventor:
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By *Edward C. Perry*
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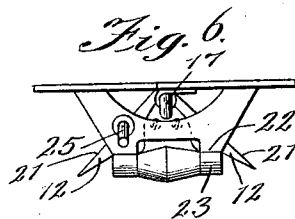
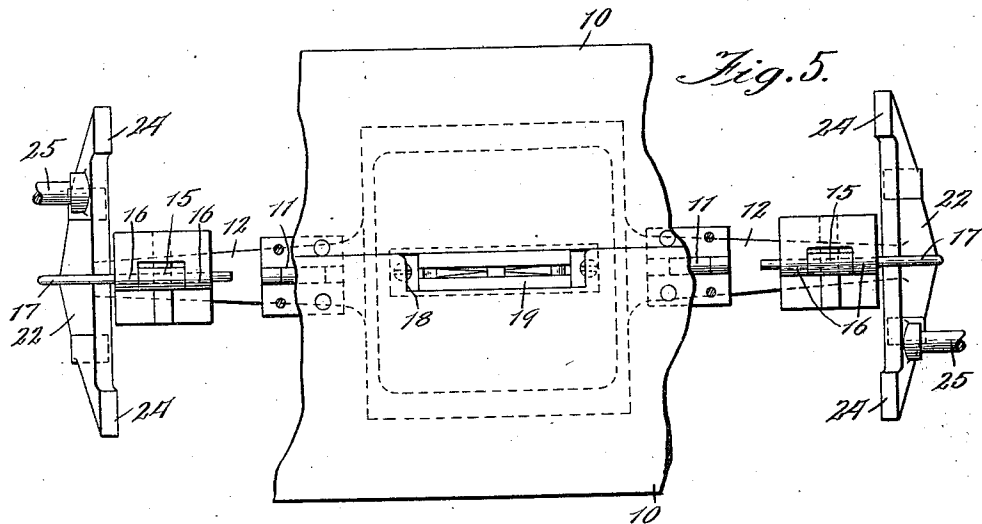
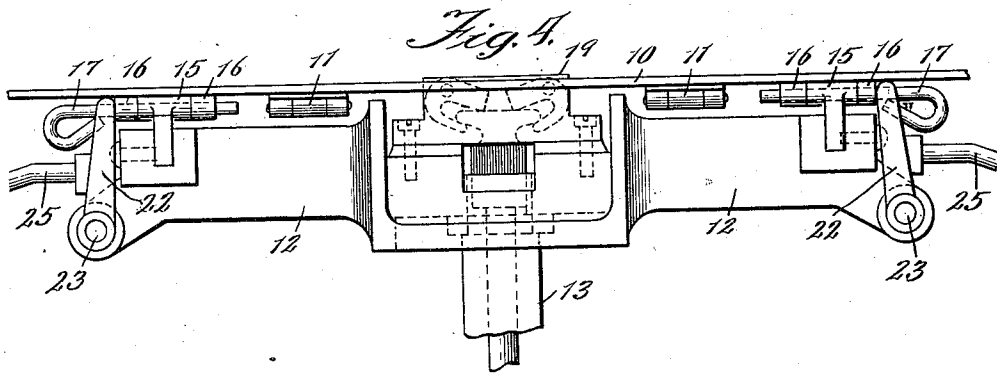
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2 SHEETS—SHEET 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY WEBER, OF CHICAGO, ILLINOIS, ASSIGNOR TO LATHAM MACHINERY COMPANY,
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WORK-SUPPORTING TABLE FOR STAPLE FORMING AND DRIVING MACHINES AND THE
LIKE.

1,046,695.

Specification of Letters Patent.

Patented Dec. 10, 1912.

Original application filed July 7, 1908, Serial No. 442,269. Divided and this application filed February 1,
1910. Serial No. 541,211.

To all whom it may concern:

Be it known that I, HENRY WEBER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Work-Supporting Tables for Staple Forming and Driving Machines and the Like, of which the following is a specification.

10 This application is a division of application, Serial No. 442,269, filed in the United States Patent Office July 7th, 1908, and the invention relates more particularly to improvements in work supporting tables for
15 staple forming and driving machines and the like comprising hinged sections adjustable with respect to the support, and the primary object of the invention is to provide improved means for adjusting the
20 table top with relation to its support and for maintaining the same in the desired adjusted position according to the nature of the work to be performed.

A further object is to provide an improved device of this character which will be simple, durable and cheap in construction and effective and efficient in operation.

To the attainment of these ends and the accomplishment of other new and useful objects, as will appear, the invention consists in the features of novelty in the construction, combination and arrangement of the several parts hereinafter more fully described and claimed, and shown in the accompanying drawings illustrating an exemplification of the invention, and in which—

Figure 1 is a front elevation of an improved device of this character constructed
40 in accordance with the principles of this invention. Fig. 2 is a detail sectional view of the table or support showing the members arranged at an angle to each other. Fig. 3 is a detail sectional view on line 3—3
45 of Fig. 1. Fig. 4 is a side elevation of the support or table showing the same adjusted to a horizontal position. Fig. 5 is a top plan view of Fig. 4 with parts broken away. Fig. 6 is an end elevation of Fig. 4.

50 Referring more particularly to the drawings and in the present exemplification of the invention, the work support or table comprises sections 10 which are connected

together by means of suitable hinges 11 and are held in position on a suitable support 12 55 which latter is in turn supported by a saddle post 13 adjustably mounted in the main frame 14 of the mechanism. The support 12 projects laterally from the saddle post 13 and is provided with tubular members 15 60 which extend beyond the upper edge of the support.

Each of the sections 10 of the work support is provided with spaced tubular bearings 16 projecting below the lower face 65 thereof and adapted to register respectively with the tubular projections 15 on the support 12 so that when the work support or table is placed in such a position that these respective tubular members will register, 70 suitable fastening devices 17 such as pins, bolts or the like may be inserted into the registering tubular portions for securing the work support or table to the saddle post. One of these sections or members 10 of the 75 table or support may be provided with a cutaway portion 18 (see Figs. 1 and 5) through which bearings 19 of the clencher members project. The support 12 is preferably provided with projections 20, shown 80 more clearly in Fig. 3, which are in turn provided with inclined faces 21 arranged at angles to each other and against which the sections or members 10 of the work support or table are adapted to rest when they are 85 lowered to the position, shown in Figs. 1, 2 and 3, to hold the sections at an angle to each other.

Any suitable means may be provided for raising and holding the sections 10 of the 90 work support or table to form a flat support, and for this purpose there is provided a pair of inverted substantially A-shaped members 22 which are pivoted by their apexes as at 23 to the support 12, one at each 95 extremity thereof and in a manner to extend transversely of the support. These members 22 are provided at their free extremities with spaced arms 24 which latter are adapted to be moved into engagement 100 with the lower face of the sections 10 when the latter are lowered to the position shown in Figs. 2 and 3. When the members 22 are moved about their pivots into the position shown in Fig. 4, the arms 24 will, during 105 such movement of the members 22, engage

the lower faces of the sections 10 of the work support or table and move the latter about their pivots with respect to each other to elevate the sections to form a flat support and when thus elevated, the arms 24 will hold the sections 10 in such positions. A suitable handle 25 may be provided on each of the members 22 by means of which they may be readily adjusted about their pivots. When the members 22 are moved about their pivots in the opposite directions that is so that the wider ends on which the arms 24 are located, extend below the pivots 23, the sections 10 of the table or support will fall to the positions shown in Figs. 2 and 3.

The work support or table and saddle post 13 may be adjusted toward and away from the staple or stitching mechanism 26, shown in the diagram in Fig. 1, in any ordinary and well known manner, preferably by means of an operating wheel 27 which is connected to a rotatable shaft 28 and which latter has a threaded engagement 29 with the saddle post 13 so that when the wheel 27 is rotated, the saddle post and work support or table may be bodily adjusted toward or away from the staple or stitching mechanism 26, according to the direction of rotation of the wheel. This bodily adjustment of the saddle post and work support, however, forms no part of the present invention.

In order that the invention might be fully understood, the details of the foregoing embodiment thereof have been thus specifically described, but—

What I claim as new is:

1. A work supporting table for stapling machines, comprising a main support, a table comprising sections pivotally connected to each other, means for removably securing the table to the support in a manner that the sections will fold downwardly against the support, and means adjacent each end of the sections and mounted for pivotal movement transversely with respect to the pivotal movement of the said sections and adapted to simultaneously engage the table sections to adjust and hold the latter in a substantially flat position with respect to each other, the said means being also adapted to fold downwardly upon the support and in a direction away from the table.

2. A work supporting table for stapling machines, comprising sections pivotally connected together, means for removably securing the table to the support in a manner that the sections will fold downwardly against the support, and means mounted upon the support adjacent each end of the sections and for movement upon a pivot arranged transversely with respect to the pivot of said sections and adapted to simultaneously engage the table sections to adjust and hold the latter in a substantially flat position

with respect to each other, the said means being also adapted to fold downwardly upon the support and in a direction away from the table.

3. A work supporting table for stapling machines, comprising a main support, a table comprising hinged sections, means for removably securing the table to the support with the hinged portions extending longitudinally of the support whereby the sections will fold downwardly against the support, and a pivoted member adjacent each end of the support, the pivots of said members being disposed transversely of the pivots of said sections, said members projecting beyond the sides of the support and adapted to simultaneously engage the table sections to adjust and hold the latter in a substantially longitudinal plane, said pivoted means being also adapted to fold downwardly upon the support and in a direction away from the table.

4. A work supporting table for stapling machines, comprising a main support, a table comprising hinged sections, means for removably securing the table to the support with the hinged portions extending longitudinally of the support whereby the sections will fold downwardly against the support, a pivoted member adjacent each end of the support, said members being supported for movement about pivots disposed transversely with respect to the pivotal movement of the said sections and adapted to simultaneously engage the table sections to adjust and hold the latter in a substantially horizontal plane, and an operating handle secured to each of said pivoted members, said means being also adapted to fold downwardly upon the support and in a direction away from the table.

5. A work supporting table for stapling machines, comprising a main support, two table sections hinged together, said support being provided with spaced tubular projections extending beyond the top thereof, said table sections being also provided with tubular projections adapted to register with the respective tubular projections on the support, a fastening device passing through the cooperating tubular projections to removably secure the table to the support, said hinged sections being arranged with the hinges arranged longitudinally of the support and adapted to fold downwardly against the sides of the support, an inverted substantially A-shaped member arranged adjacent each end of and disposed transversely of the support, the apex of each of said members having pivotal connection with the support, and the free extremities thereof being adapted to engage and simultaneously raise the table sections, and a handle secured to each of the members for moving the latter about their pivots.

6. A work supporting table for stapling

machines, comprising a main support, two
table sections hinged together, said support
being provided with spaced tubular projec-
tions extending beyond the top thereof, said
5 table sections being also provided with tubu-
lar projections adapted to register with the
respective tubular projections on the sup-
port, a fastening device passing through the
coöperating tubular projections to remov-
10 ably secure the table to the support, said
hinged sections being arranged with the
hinges arranged longitudinally of the sup-
port and adapted to fold downwardly
against the sides of the support, and a piv-
15 oted member adjacent each end of the sec-
tions adapted to be moved into engagement
with the sections for simultaneously raising
them and holding them in their respective
positions.

20 7. A work supporting table for stapling
machines, comprising a main support, two
table sections hinged together, said support
being provided with spaced tubular projec-
tions extending beyond the top thereof, said

table sections being also provided with tubu- 25
lar projections adapted to register with the
respective tubular projections on the sup-
port, a fastening device passing through the
coöperating tubular projections to remov-
ably secure the table to the support, said 30
hinged sections being arranged with the
hinges arranged longitudinally of the sup-
port and adapted to fold downwardly
against the sides of the support, and a piv-
oted member adjacent each end of the sec- 35
tions swinging on the axes intersecting the
axes of the table sections and adapted to be
moved into engagement with the sections for
simultaneously raising them and holding
40 them in their respective positions.

In testimony whereof I have signed my
name to this specification, in the presence of
two subscribing witnesses, on this 14th day
of January A. D. 1910.

HENRY WEBER.

Witnesses:

J. H. JOCHUM, Jr.,
C. H. SEEM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."