

Dec. 9, 1930.

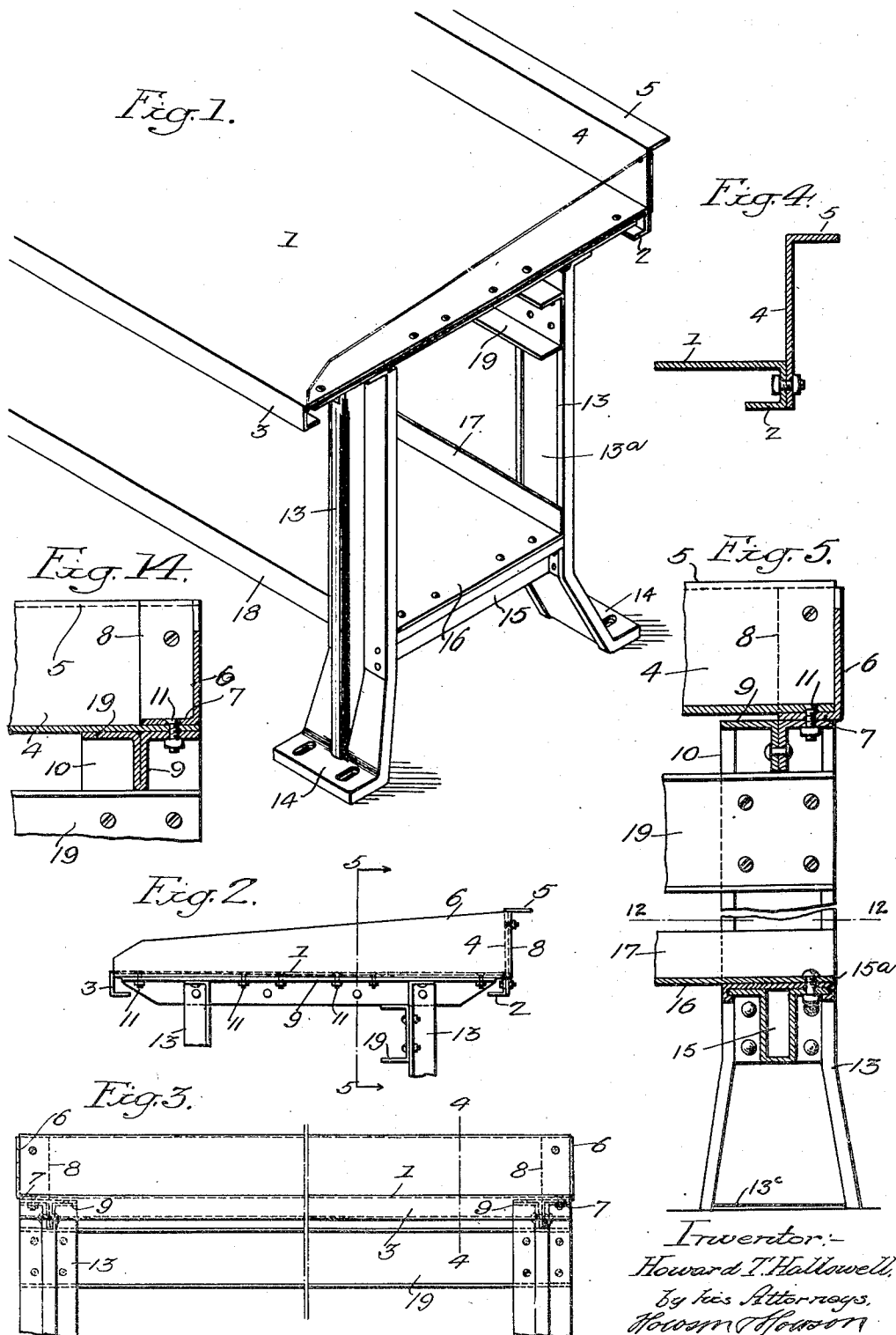
H. T. HALLOWELL

1,784,726

WORKBENCH

Filed April 4, 1927

2 Sheets-Sheet 1



Inventor:-
Howard T. Hollowell,
By his Attorneys,
Howard Hanson

Dec. 9, 1930.

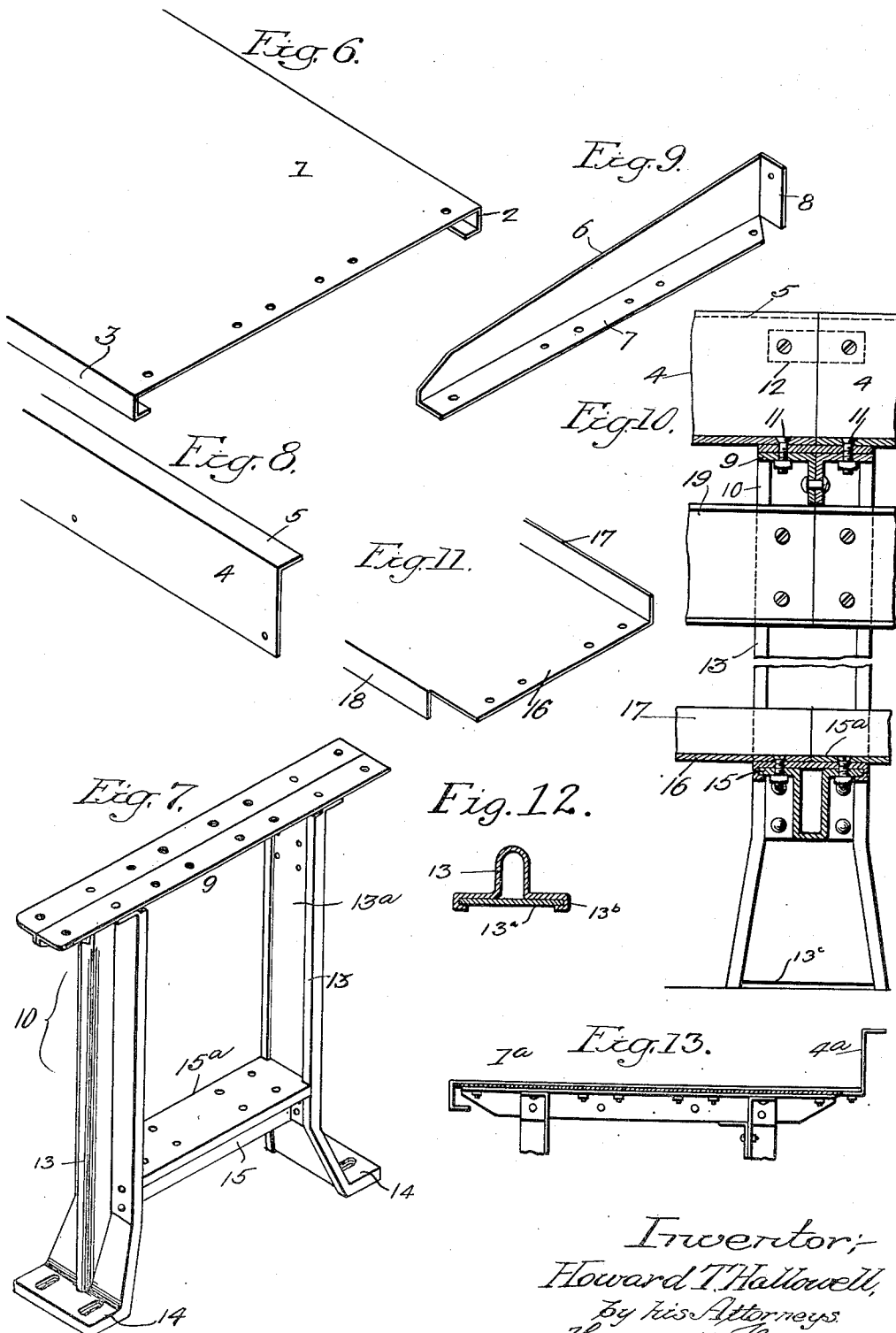
H. T. HALLOWELL

1,784,726

WORKBENCH

Filed April 4, 1927

2 Sheets-Sheet 2



Inventor:
Howard T. Hallowell,
by his Attorneys
Howson & Howson

UNITED STATES PATENT OFFICE

HOWARD T. HALLOWELL, OF JENKINTOWN, PENNSYLVANIA, ASSIGNOR TO STANDARD
PRESSED STEEL COMPANY, OF JENKINTOWN, PENNSYLVANIA, A CORPORATION OF
PENNSYLVANIA

WORKBENCH

Application filed April 4, 1927. Serial No. 180,907.

One object of my invention is to construct a metallic work-bench which will be comparatively light and substantial, and which can be made of pressed sheet metal.

A further object of the invention is to so design the bench that it can be shipped in a knocked-down condition and readily assembled.

In the accompanying drawings:

Fig. 1 is a perspective view of a portion of my improved work-bench, the end piece being in section;

Fig. 2 is an end view of the bench;

Fig. 3 is a front elevation of the bench;

Fig. 4 is an enlarged sectional view on the line 4—4, Fig. 3;

Fig. 5 is an enlarged sectional view on the line 5—5, Fig. 2;

Fig. 6 is a detached perspective view of the top of the work-bench;

Fig. 7 is a perspective view of one of the legs of the bench;

Fig. 8 is a detached perspective view of the back of the bench;

Fig. 9 is a detached perspective view of one of the ends of the bench;

Fig. 10 is a view showing two sections of the top attached to an intermediate leg;

Fig. 11 is a detached perspective view of the shelf;

Fig. 12 is a sectional plan view of one of the vertical members of the leg on the line 12—12, Fig. 5; and

Figs. 13 and 14 are views illustrating modifications of the bench.

The work-bench may be of any length desired and may have two or more legs, depending upon the length of and the use for which the bench is intended.

The top 1 of the bench is made of sheet metal and has a down-turned flange 2 at the back and a down-turned flange 3 at the front, the edge of each flange being turned inwardly to form integral channel members at the two longitudinal edges, which rigidly support the body portion of the top.

The back 4 of the bench is made of sheet metal having an upper flange 5. This back is secured to the rear flange 2 of the top, as shown in Figs. 1 and 4, by bolts or rivets.

Each end piece 6 of the bench has an in-turned flange 7 at the lower end and a flange 8 at the rear end, as shown in Figs. 5 and 9. The rear flange 8 extends back of the back section 4 and under its flange 5 and is secured thereto by a bolt or rivet. The lower flange 7 extends under the top 1, as shown in Fig. 5, and rests upon the upper member 9 of the leg 10 and secured thereto by bolts 11 which extend through the top 1, flange 7 and upper member 9 of the leg.

The holes in the top 1 and the upper member 9 of the leg are so spaced that when the bench top is extended and made in two pieces, the joint is supported by a leg as in Fig. 10. In this construction each plate extends only to the centre of the leg, the holes in each section of the top aligning with the two sets of holes in the leg, but when the leg is at the end of the bench as in Fig. 5, then the top extends to the edge of the upper member of the leg, the holes in the top aligning with the holes near the outer edge of the leg. Thus one series of holes in the top plate can be used in connection with either set of holes in the leg.

The back plate 4 is made the same length as the top, and when the bench is made in two lengths, then a connecting piece 12 is bolted at the rear of the two back pieces as shown in Fig. 10.

The legs of the bench are made as shown in Fig. 7. The upper member 9 of the leg is made of two angle irons placed side by side, and the vertical members 13—13 of the legs are pressed into T-shaped cross-section, Fig. 12, and are flared at their lower ends and provided with outwardly extending feet 14 having slots therein for bolts which secure the bench to the floor.

The vertical members are preferably reinforced by plates 13a, the ends of the T-shaped members having flanges 13b which extend over the edges of the plates 13a as shown in Fig. 12.

The bases of the feet of the vertical members are reinforced by plates 13c held in place by flanges on the vertical members. The two vertical members are connected near their lower ends by cross-bars 15. These bars are made of sheet metal bent into T-

shaped cross-section. As shown in Fig. 5, the cross-bars are preferably reinforced by plates 15a, the edges of which are flanged under the edges of the cross-bars.

5 The shelf 16 rests upon the cross-bars 15 and is secured thereto by bolts or other fastenings. The shelf is preferably provided with an upwardly extending flange 17 at the rear and a downwardly extending flange 18 at the front, as shown in Fig. 11, the front
10 flange being cut away to fit between the legs.

A reinforcing stringer 19 of channel shape is secured to the rear vertical member 13 of each leg as shown in Fig. 1 by bolts or other
15 fastenings.

When the bench is extended and a central leg is used, then the two stringers 19 and the two sections of the shelf 16 are secured to the central leg in the manner shown in
20 Fig. 10.

In Fig. 13 a modification of the top is shown. In this view the top 1a has a flange only at the front, and the back plate 4a has a flange at top and bottom, the bottom flange
25 extending under the rear edge of the top plate and being secured thereto by bolts or other fastening means.

In the present instance the top portion of each leg is made of two angle pieces as shown
30 in Fig. 5, but the top portion may be made of a single T-shaped section pressed from sheet metal.

I claim:—

1. The combination in a metallic work-
35 bench, of a top made of sheet metal having an inturned downwardly extending flange at front and back; a back plate secured to the back flange; end pieces having flanges at their lower edges; and legs secured to the top
40 and flanges of the end pieces near the edges thereof.

2. The combination in a work-bench, of two legs; a top plate secured to the two legs, said top plate having inturned back and
45 front flanges; end pieces, each having a flange at the bottom located between the top plate and the top member of a leg; and a flanged back plate secured to the back flange of the top plate and to the end pieces.

50 HOWARD T. HALLOWELL.