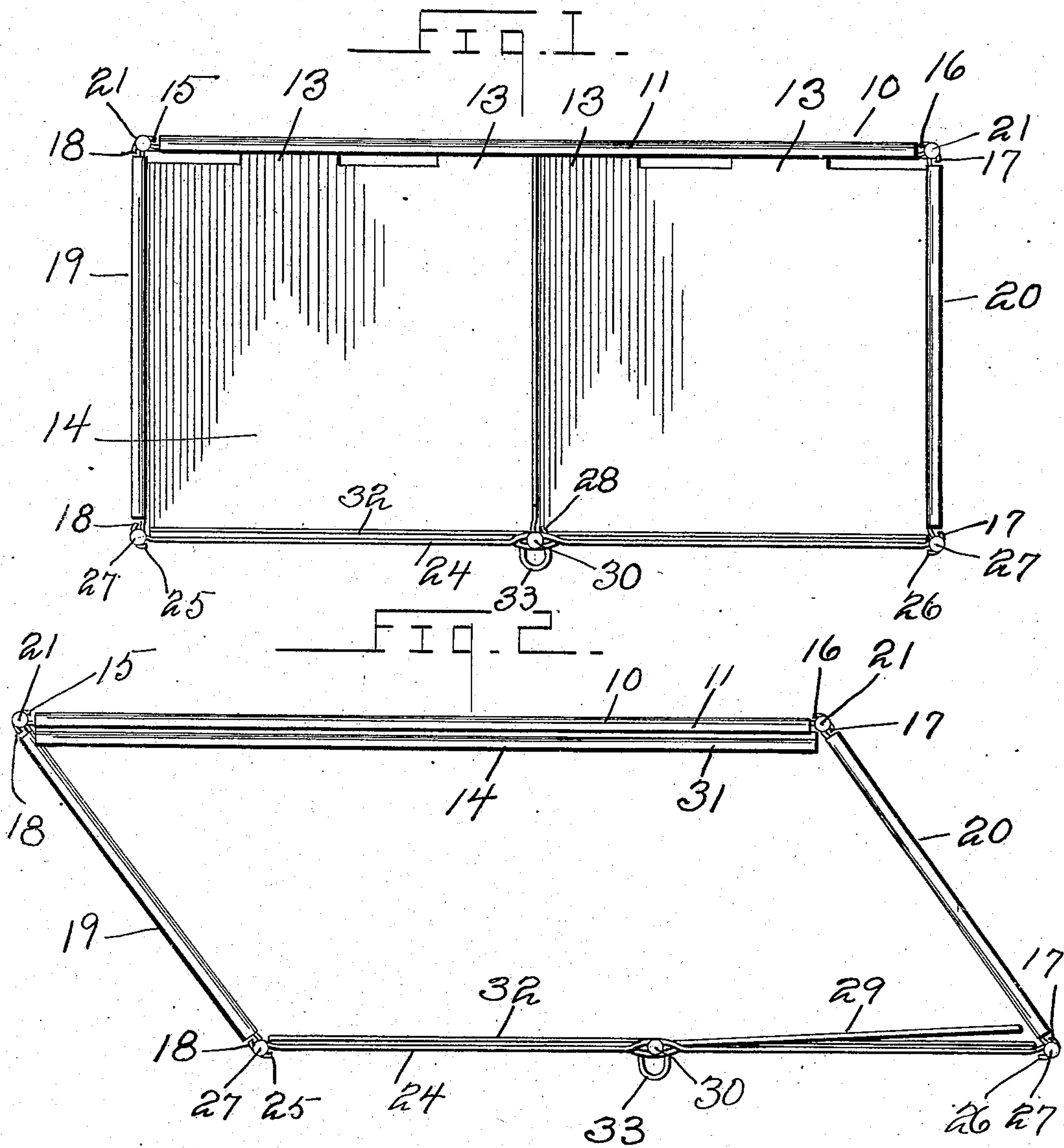


E. BENSON.
FOLDING CRATE.
APPLICATION FILED OCT. 22, 1908.

936,696.

Patented Oct. 12, 1909.
2 SHEETS—SHEET 1.



Inventor
Emil Benson

Witnesses
G. E. Johansen
E. L. Chandler

By *Woodward & Chandler*

Attorney

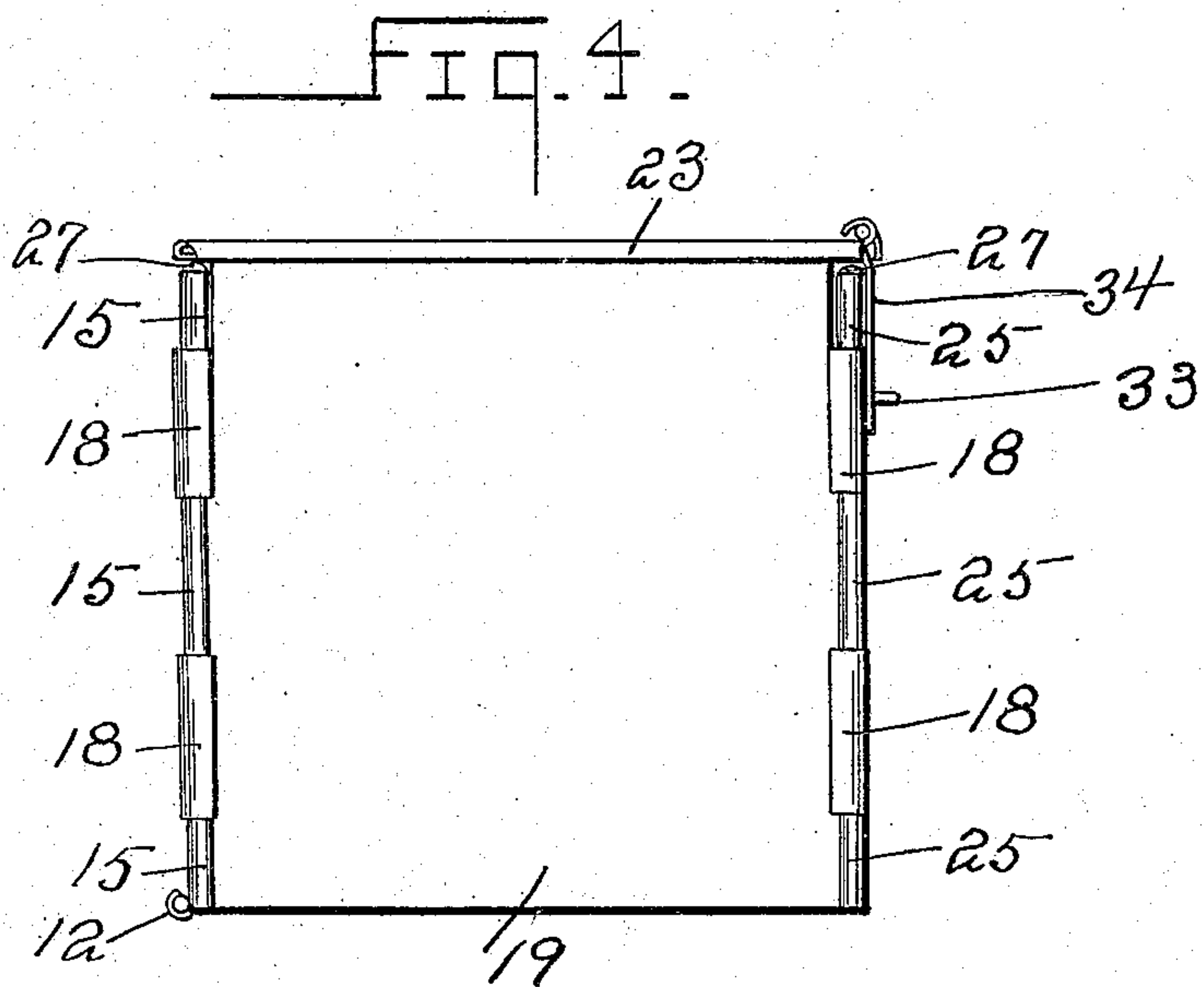
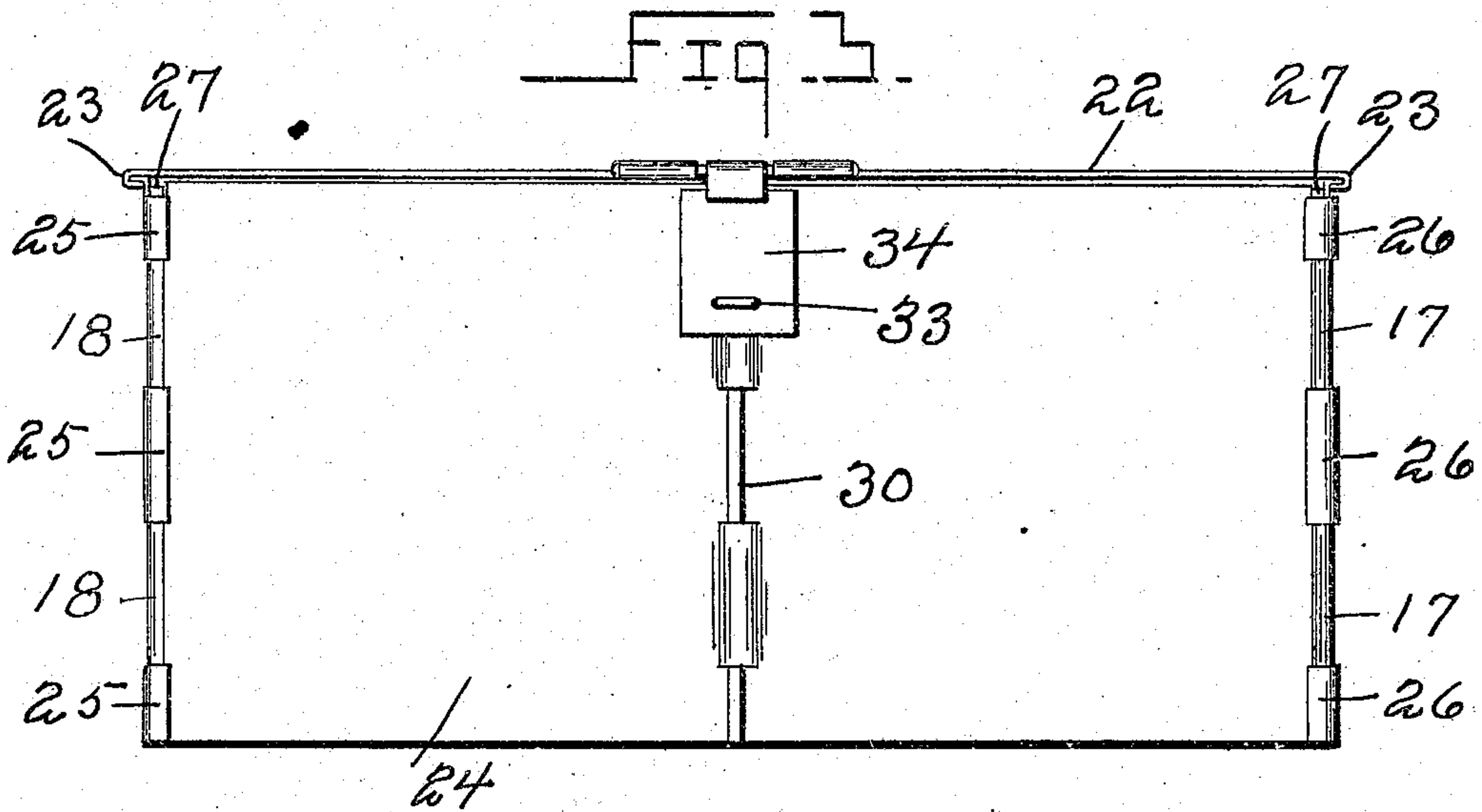
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UNITED STATES PATENT OFFICE.

EMIL BENSON, OF LA CROSSE, WISCONSIN.

FOLDING CRATE.

936,696.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed October 22, 1908. Serial No. 459,007.

To all whom it may concern:

Be it known that I, EMIL BENSON, a citizen of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented certain new and useful Improvements in Folding Crates, of which the following is a specification.

This invention relates to crates having special reference to a device of this character which is known as a folding crate.

An object of this invention is to construct a sheet metal crate which can be folded into a small space conveniently and quickly and which will be strong and durable.

A further object of the invention is to construct a device of this character which comprises but few parts which are connected together preventing the loss of any of the same as well as facilitating the setting up of the crate.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claim without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a top plan view of the crate having the cover removed therefrom, Fig. 2 is a top plan view of the crate in a semi-closed position, Fig. 3 is a front elevation of the crate, and Fig. 4 is an end elevation of the same.

Referring to the drawings, 10 designates the sheet metal back of the crate which is provided along its upper edge with an outwardly turned flange 11 and which is provided along the bottom edge with a plurality of pin sleeves 12. The sleeves 12 alternate with a plurality of similar pin sleeves 13 formed upon the rear edge of a sheet metal bottom 14, thus hingedly connecting the bottom 14 to the back 10. The opposite ends of the back 10 are provided with the pin sleeves 15 and 16, which alternate with the pin sleeves 17 and 18, disposed along the rear edge of the sides 19 and 20 of the crate. The sheet metal ends 19 and 20 as well as the bottom 14 are pivotally held in engagement with the back 10 by means of the pins 21 which are positioned through the sleeves of the respective crate sections. The ends 19 and 20 are outwardly flanged along their up-

per edges and these flanges register with the flange 11, to support a sheet metal cover 22 which is slidably engaged over said flanges and held in such position by the turned over receiving beads 23, formed upon the under side of the cover 22. A sheet metal front 24 which is provided with rows of pin sleeves 25 and 26 along the opposite ends thereof, is hingedly engaged with the pin sleeves formed upon the forward ends 19 and 20 and are held in such engagement by the corner pins 27. The front 24 is provided mid-length with a plurality of lengthwise disposed slots, or incisions having the metal included between the same alternately dished outward and inward to alternately form the half sockets 30', as shown in Fig. 3. The outwardly dished socket portions 30' are arranged to receive the pin sleeves 28, formed upon the forward edge of a sheet metal partition 29, which is disposed centrally across the interior of the crate. A pin 30 is disposed through the pin-receiving channels 30' of the front wall 24 and the sleeves 28 for the purpose of hingedly connecting the same. The sheet metal bottom 14 is held in position by means of a downwardly turned flange 31 which is formed along the forward edge and which engages a bead 32 formed along the inner lower edge of the front 24. A staple 33 is positioned intermediately upon the pin 30 and extends forwardly therefrom over which is engaged a hasp 34 which is hingedly disposed upon the forward edge of the cover 22. When the crate is set up and it is desired to fold the same the cover 22 is disengaged from the flanges formed about the upper edges of the sides 19 and 20 and the back 10 by sliding the same rearwardly. The partition 29 is now folded against the inner side of the front wall 24 to admit of the raising of the bottom 14 against the back 10. The sides 19 and 20 and the back 10 and front wall 24 are now in a position to be collapsed owing to their hinged connections to each other.

What is claimed is:—

A sheet metal crate, comprising a back section having its opposite ends and lower edge provided with a plurality of pin sleeves, the upper edge being bent outward to form a flange, two similar end members each having its opposite vertical edges provided with a plurality of pin sleeves while each upper edge is bent outward to provide a flange, pins within said sleeves to hingedly connect

said ends to said back, a front having its opposite vertical edges provided with a plurality of pin sleeves registering with the sleeves on said end members, corner pins
5 within said sleeves of the front to hingedly connect said front to said ends, said front having its lower edge bent to form a receiving bead, said front midlength having a plurality of lengthwise disposed incisions, the
10 metal between said incisions being alternately dished inward and outward to form a pin-receiving channel, a bottom provided along its rear edge with a plurality of pin sleeves registering with the sleeves within
15 the lower edge of said back, the front edge

of said bottom being flanged downward to form a seating within said bead, a partition having a plurality of pin sleeves held within the outwardly dished channel-forming portions, a pin within said channel to hingedly
20 secure said partition, and a cover having its rear edge and its ends bent to form receiving beads to hold said upper edge flanges, all arranged as set forth.

In testimony whereof I affix my signature, 25
in presence of two witnesses.

EMIL BENSON.

Witnesses:

T. S. CHILSON,

JOHN W. HEDDWICK.