

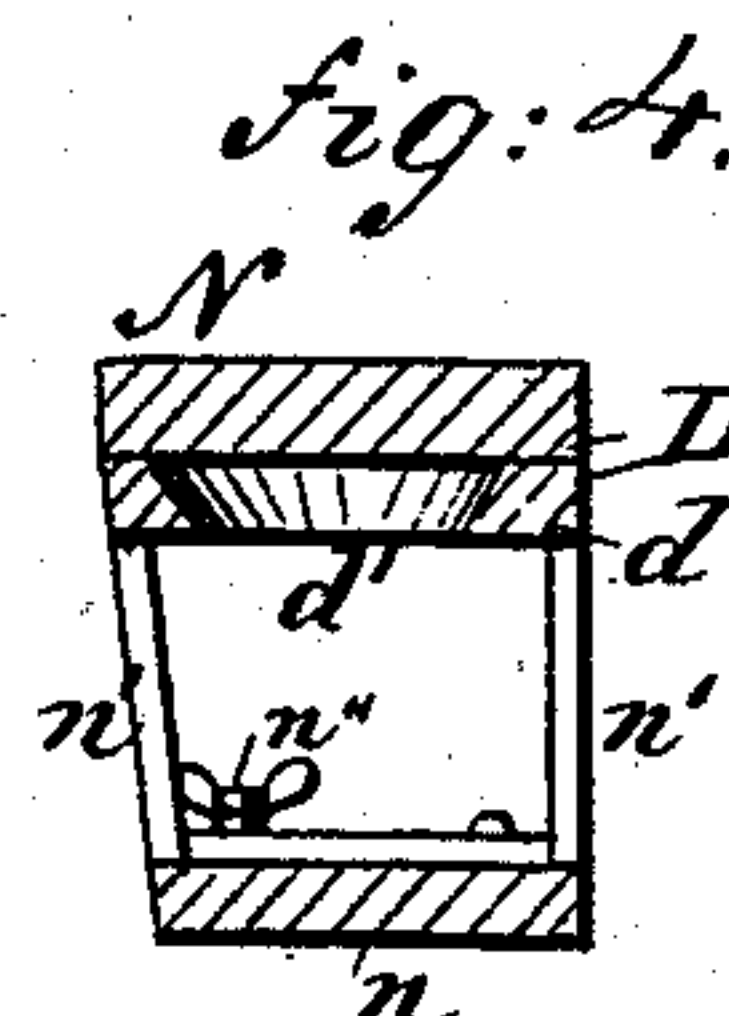
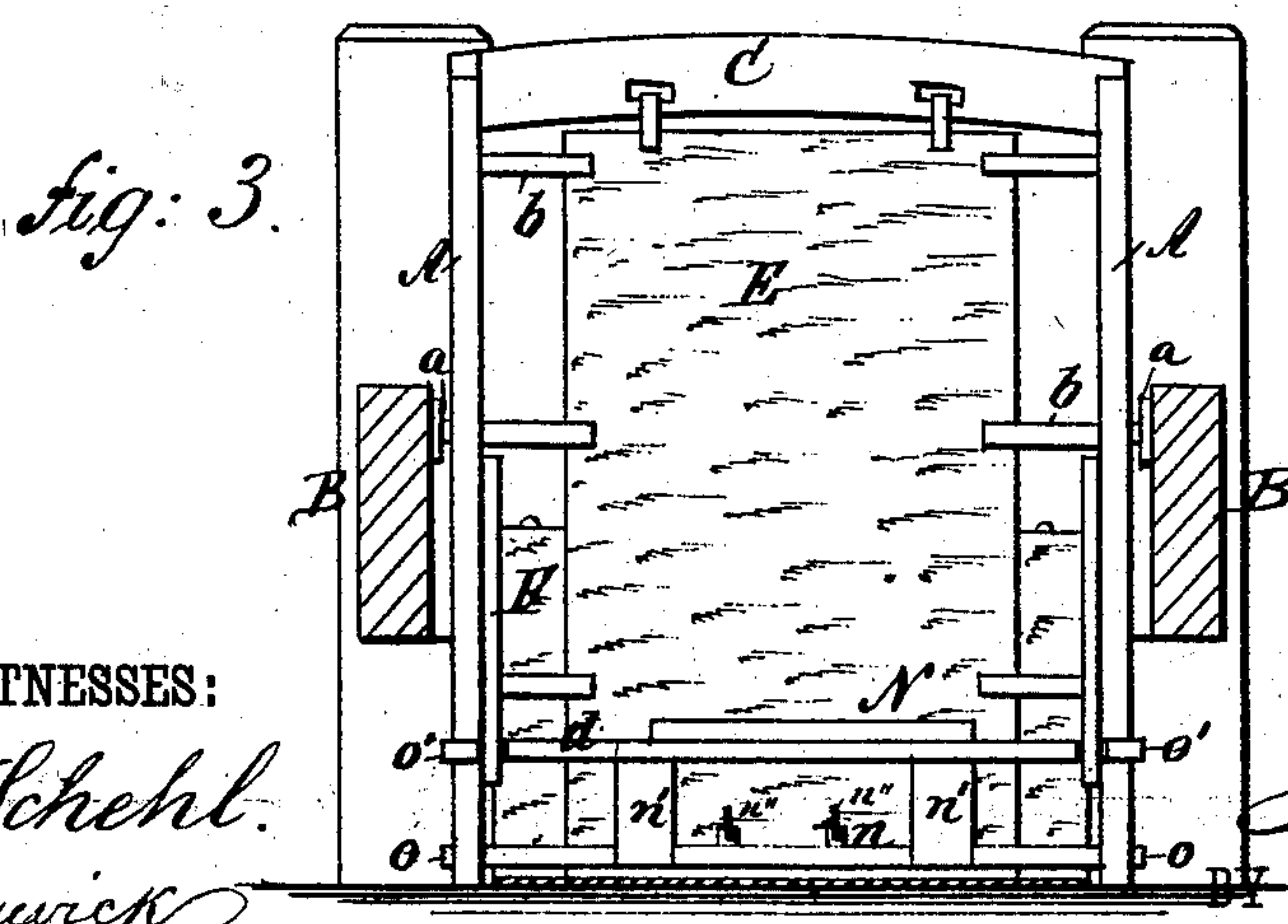
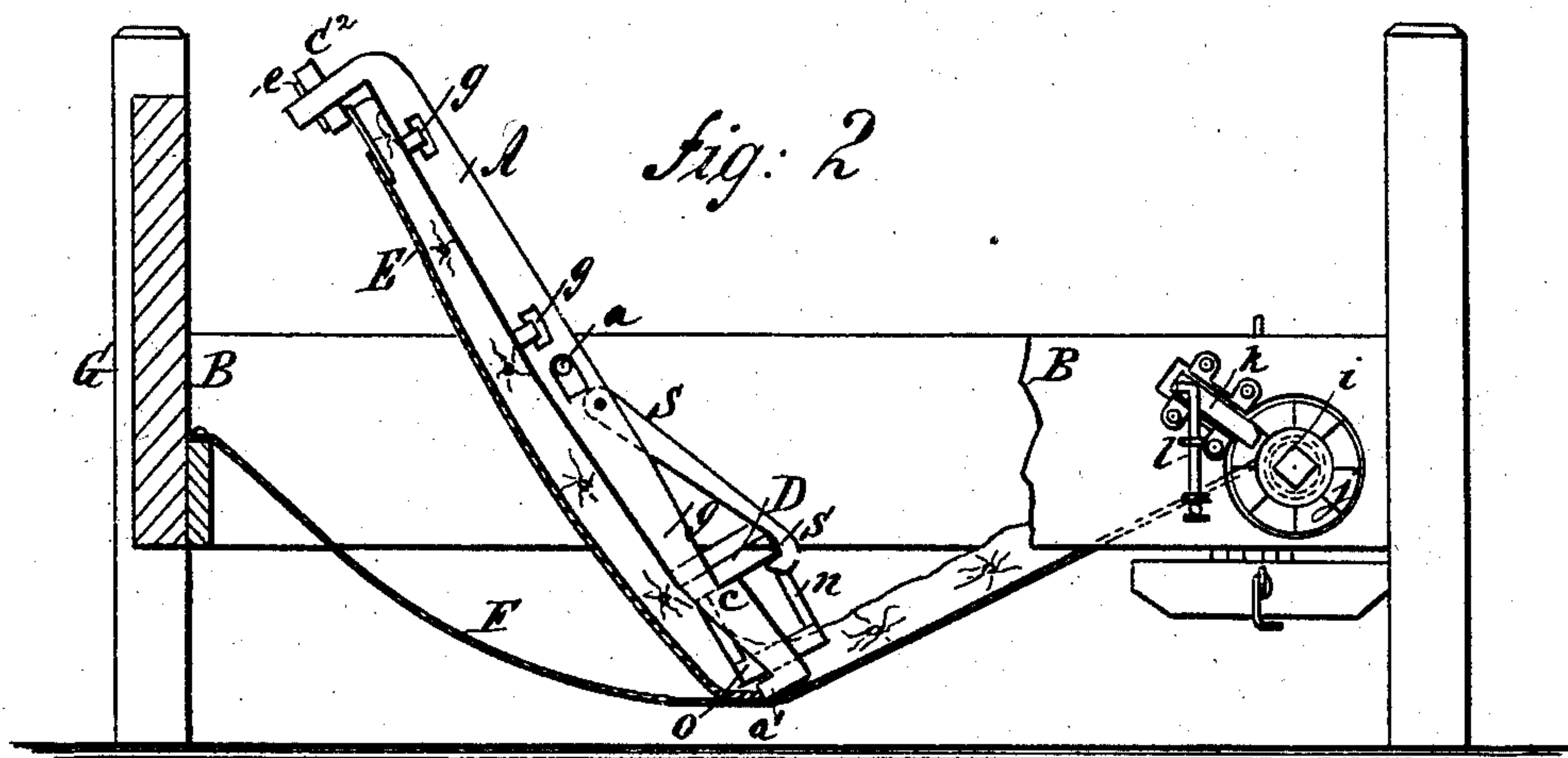
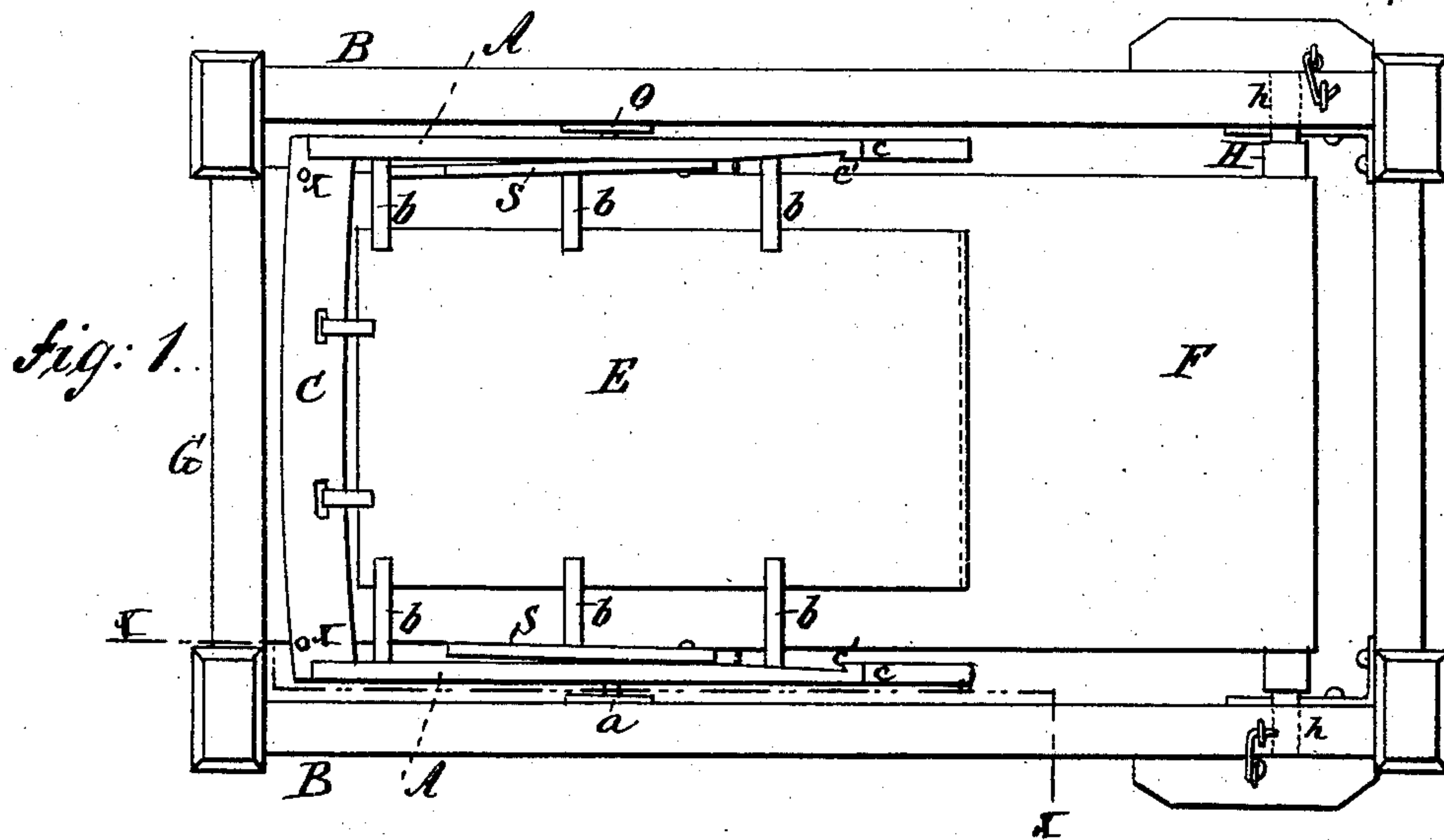
(No Model.)

J. P. BROWN.

BED ATTACHMENT FOR INVALIDS.

No. 248,132.

Patented Oct. 11, 1881.



**WITNESSES:**

A. Schehl.  
C. Sedgwick

INVENTOR:

INVENTOR:  
J. P. Brown  
Mum Hg  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

JOSHUA P. BROWN, OF CROCKETT, TEXAS, ASSIGNOR TO HIMSELF AND  
HILARY W. BRUNER, OF SAME PLACE.

## BED ATTACHMENT FOR INVALIDS.

SPECIFICATION forming part of Letters Patent No. 248,132, dated October 11, 1881.

Application filed March 21, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOSHUA P. BROWN, of  
Crockett, in the county of Houston and State  
of Texas, have invented a new and Improved  
5 Bed Attachment for Invalids, of which the fol-  
lowing is a specification.

The object of my invention is to provide  
means by which bed-ridden persons may be  
easily and comfortably attended.

10 The invention consists, principally, of a frame  
hinged between the side boards of the bedstead,  
said frame having a removable seat and adapt-  
ed to be brought to a vertical position for sup-  
porting the invalid in a sitting position.

15 The invention also consists in the construc-  
tion and arrangement of parts, as hereinafter  
fully described.

In the accompanying drawings, Figure 1 is  
a plan view of a bedstead with my invention  
20 attached, the seat being removed. Fig. 2 is a  
side elevation with a part of the bedstead re-  
moved, showing the parts in position when the  
invalid is brought to a sitting posture. Fig. 3  
is a front elevation of the same, the foot-board  
25 of the bedstead being removed; and Fig. 4 is  
a cross-section of the removable seat.

Similar letters of reference indicate corre-  
sponding parts.

The frame consists of the arms A A, prefer-  
ably of metal, hinged near their centers to the  
30 pins or bolts *a a*, secured to the inside of the  
side boards B B of the bedstead. The lower  
ends of the arms A A are formed, as shown,  
with the projection *a'* on the under side and  
35 with the projection *c* on the upper sides thereof,  
and with the notches *c'* *c'*, upon which the re-  
movable seat D rests when in position for use,  
as hereinafter described. The upper ends of  
the arms A A are bent, forming the short lat-  
40 eral arms *c*<sup>2</sup>, to which the head-piece C is se-  
cured by the pins *e e*, passing through the short  
arms *c*<sup>2</sup>.

To the head-piece C and the arms A A the  
supporting-strip E, of canvas, ticking, or other  
45 suitable flexible material, is secured by the  
straps *b*, passing through suitable openings, *g g*,  
formed therein. The bottom of the support-  
ing-strip of canvas E is preferably secured by  
stitching or otherwise to the canvas F, which is  
50 firmly secured at its front end to the head-board

G of the bedstead and passes over the roller  
or reel H, secured in journals *h h*, formed in the  
side boards of the bedstead, near the foot of  
the bed, as shown.

One end of the roller H is provided with the  
55 square arbor *i*, which projects through the ratch-  
et-wheel *j*, and is adapted to receive a key or  
wrench for turning the roller H for drawing  
the canvas F taut, in which position it is re-  
tained by the pivoted catch or dog *k*, engaging  
60 with the ratchet-wheel *j*, which is normally held  
to the face of the wheel by a suitable spring,  
but which may be held away from the wheel  
by the bent rod *l*, which is adapted to be turned  
in the loops which secure the same in proper  
65 position for this purpose to the outside of the  
side board, as shown.

The seat D is formed of the top board, *d*,  
which is provided with the opening *d'*, and of  
the bottom board, *n*, which is attached to the  
70 top board, *d*, by the strips *n' n'* of leather or of  
hinged pieces of board. The cushion N is piv-  
oted to the upper side of the seat D, and is  
adapted to close over the opening *d'*. The ends  
of bottom board *n* are formed with the pro-  
75 jections *o o*, which, when the seat is in posi-  
tion, rest upon the projections *a' a'* of the arms  
A A, and the ends of the seat D are cut away  
at the corners, so as to form the projections  
*o' o'*, which rest upon the projections *c* and *c'* of  
80 the arms A A, and the upper edges or corners  
of the board D are chamfered off, as shown at  
*s s*, to engage firmly with the hooked arms, S S,  
which are hinged to the inside of the arms A A,  
and serve to retain the seat in position between  
85 the ends of the arms A A, and thus furnish an  
easy and secure support for the patient.

On the upper surface of the bottom board,  
*n*, are pivoted the curved strips *n''* of wood, with  
thumb-screws to fasten in holes in the bottom  
90 piece, which strips are adapted to hold firmly  
in place any vessel under the opening in the  
board *d*.

It will be observed that the canvas F and  
the canvas E, which form the back of the frame,  
95 form the bed-bottom, and that the mattress is  
to be placed over and upon them, and the mat-  
tress may be secured to the cross-piece E by  
cords or straps passing through the holes *x x*,  
formed therein.

When it is desired to raise the patient to a sitting position the seat D is adjusted in the frame under the limbs of the patient and the canvas F slowly unrolled by means of the wrench, and when it is desired to bring the patient again to an incumbent position the canvas is to be rolled back again by the wrench.

When the patient is raised to a sitting position it is obvious that a board may be placed upon the side boards of the bedstead to serve as a table to hold dishes, wash-bowl, &c.

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

1. The bed attachment herein shown and described, consisting of a frame adapted to be pivoted between the side boards of a bedstead, in combination with a removable seat and means for raising and lowering the frame, substantially as shown and described.

2. The pivoted frame, in combination with the canvas F and roller or reel H, substantially as and for the purposes shown and described.

3. The pivoted arms A A, formed with the projections *a'* and *c* at their lower ends, in combination with the removable seat D and the hinged arms S S, substantially as shown and described.

4. The pivoted arms A A, formed with the projections *a'* and *c* at their lower ends, and with the lateral arms *b* at their upper ends, in combination with the cross-piece C and back canvas, E, secured in the manner and for the purpose shown and described.

JOSHUA PERRY BROWN.

Witnesses:

O. C. ALDRICH,  
ALBERT ALDRICH.