

No. 768,678.

PATENTED AUG. 30, 1904.

F. E. NELHAMS & G. A. LLOYD.  
AUTOMATIC DRY COVERED SEAT.

APPLICATION FILED FEB. 15, 1904.

NO MODEL.

2 SHEETS—SHEET 1.

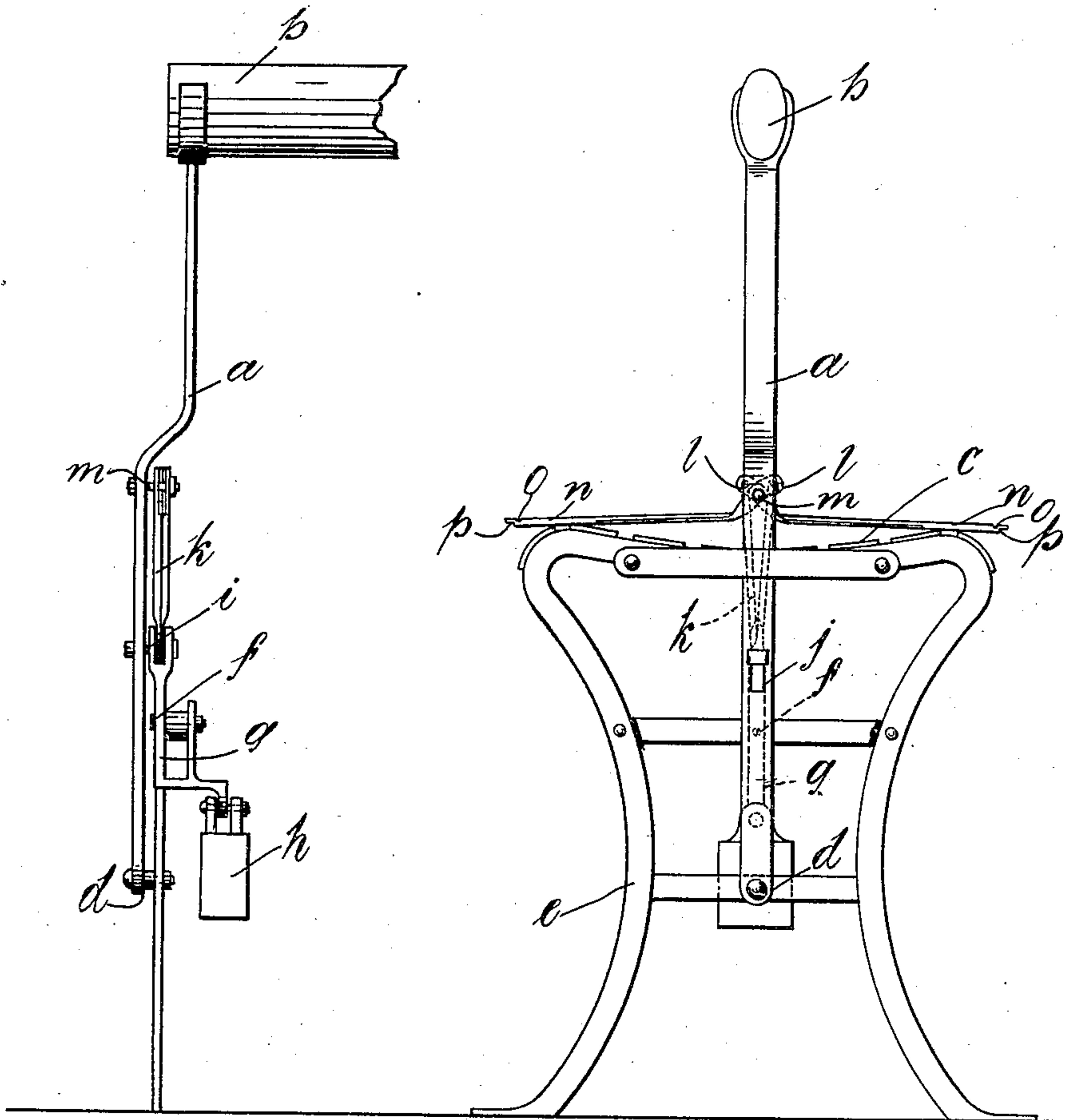


Fig. 1.

Fig. 2.



Fig. 5.

Witnesses  
Lawrence Daniels  
George Hunt.

per

Inventors  
Frederick Edwin Nelhams  
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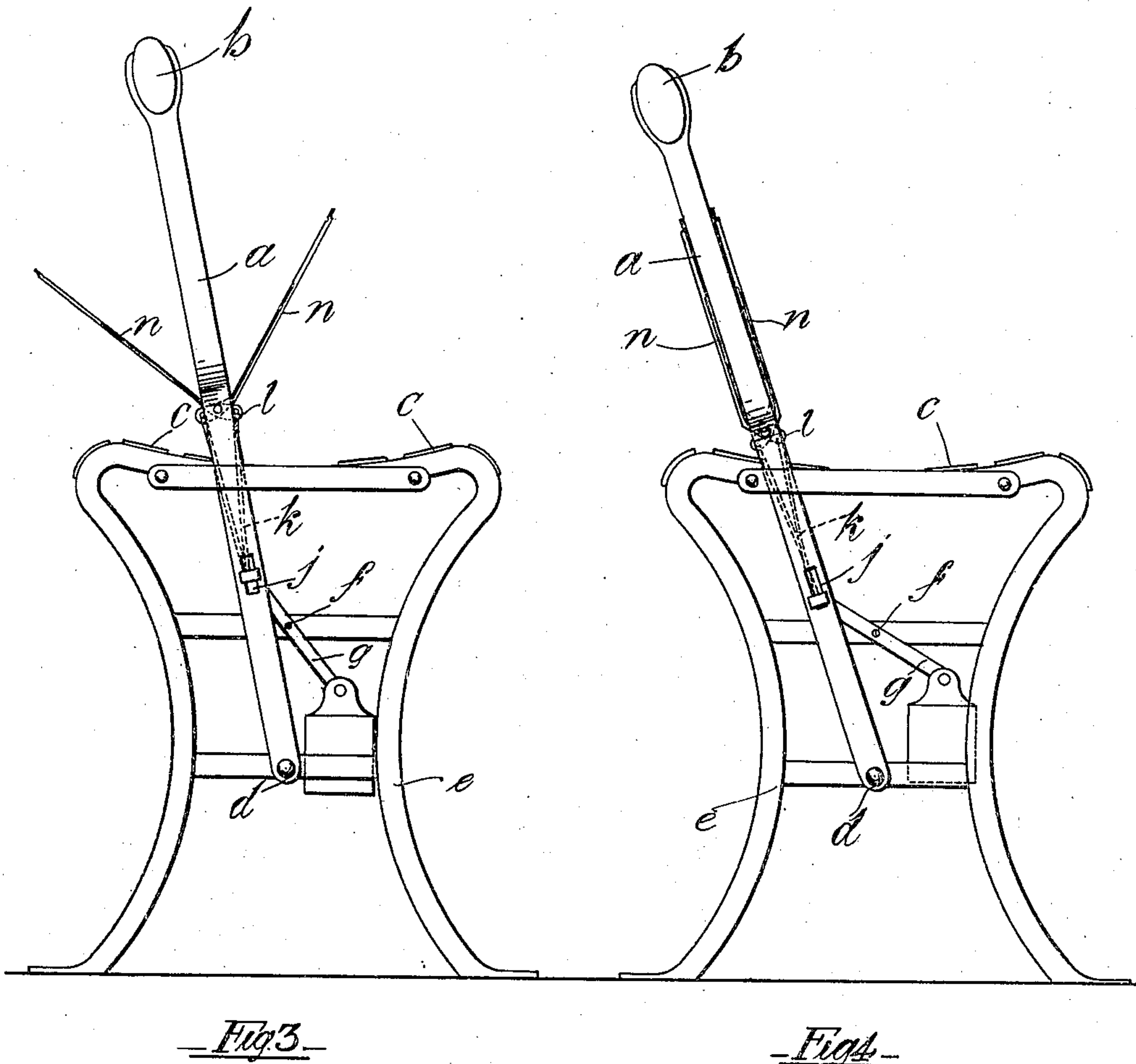
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# UNITED STATES PATENT OFFICE.

FREDERICK ESMER NELHAMS AND GEORGE ALFRED LLOYD, OF  
CHISWICK, ENGLAND.

## AUTOMATIC DRY COVERED SEAT.

SPECIFICATION forming part of Letters Patent No. 768,678, dated August 30, 1904.

Application filed February 15, 1904. Serial No. 193,668. (No model.)

*To all whom it may concern:*

Be it known that we, FREDERICK ESMER NELHAMS, residing at 2 Chiswick road, and GEORGE ALFRED LLOYD, residing at 232 High road, Chiswick, in the county of Middlesex, England, subjects of the King of the United Kingdom of Great Britain and Ireland, have invented new and useful Improvements in Automatic Dry Covered Seats, of which the following is a specification.

This invention relates to improvements in automatic dry covered seats, the object being to provide means whereby the seat is kept covered when out of use and uncovered for use by the mere act of pushing over the back from a normally vertical position to an inclined one, forming a back at whichever edge of the seat that may be preferred.

Assuming this invention to be applied to a seat the back of which can be moved to either edge of the seat, according to the direction the sitter desires to face; but without confining its use to this kind of seat only, we proceed in or in about the following manner, making reference to the accompanying drawings, wherein—

Figure 1 is a front view of the mechanism. Figs. 2, 3, and 4 side views showing, respectively, the seat covered, partly uncovered, and wholly uncovered. Fig. 5 is a section across the width of the flaps or covers to be hereinafter mentioned.

The end bars *a* of the back *b* are carried below the seat *c* and pivoted to the end *d* of the supports *e* for the seat, so that the back *b* can be moved to either edge of the seat. At a point above that at which the ends *a* are pivoted is pivoted the center *f* of a rod *g*, having one end attached to a weight *h* and the other to a pin *i*, running in a slot *j* in the end bars *a*, the said weight *h* keeping the back normally vertical.

To the above-mentioned pin *i* (which runs in the slot *j*) are pivoted the lower ends of two rods *k*, the upper ends of which are pivoted to two plates *l*, which cross one another and are pivoted to the end bar *a* of the back by a central pin *m*, the other ends of the

plates being rigidly attached to two flaps (or covers) *n*, each covering half the width of the seat *c*.

Normally the weight *h*, as already mentioned, keeps the back *b* of the seat vertical, and the ends of the plates *l* which are pivoted to the rods *k* are above their centers, which are pivoted to *a*, and the flaps *n* are shut down on the seat *c*. When, however, the back *b* is pushed to either edge of the seat *c*, the pin *i* slides in the slot *j* and causes the connecting-rods *k* to pull down the plates *l* until the upper ends of *k* are below the pivoting-point of the plates *l*, thus raising the flaps *n* toward one another until they entirely uncover the seat *c* and will so remain until the back *b* is allowed to return to its original position, whereupon the covers *n* again cover the seat.

Near the front edge of the covers *n* is a groove *o* to run off the water, and a weather edge is also provided at *p*.

To prevent rain from getting in between the inner and adjacent edges of the covers *n*, we attach to each of those inner edges a strip of metal *q*, Fig. 5, extending from one end of the cover to the other, one strip having an upturned portion *r*, the free edge of which is curbed over, as at *s*, so as to fall over the strip on the other flap *n*. When the flaps *n* are opened so as to uncover the seat, the strips *q* form a trough which prevents any water on the top of the flaps getting onto the seat.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of a seat having end supports to which are pivoted the downwardly-prolonged lower ends of the side bars of the back, in one of which bars is a slot; a lever having its center pivoted to the end supports at a point above that at which the side bars are thereto pivoted and having a pin at the upper end to run in the said slot in the side bar; a weight at the other end of the said lever; two rods having their lower ends pivoted to the said pin at the upper end of the said lever; two flaps each to cover half the width of the said seat and hinged together

by plates projecting from their inner edges,  
crossed at the center of their lengths and  
pivoted to the side bars of the back to one  
of which pairs of plates are pivoted the up-  
5 per ends of the two rods above mentioned; a  
groove in the upper surface of each flap and  
near its front edge; a rabbet under the front  
edge of each flap; a right-angled plate along  
the inner edge of each flap the overturned  
10 upper edges of one being within the over-

turned upper edge of the other, substantially  
as hereinbefore described.

In testimony whereof we have signed our  
names to this specification in the presence of  
two subscribing witnesses.

FREDERICK ESMER NELHAMS.  
GEORGE ALFRED LLOYD.

Witnesses:

N. W. STRONG,  
H. D. JAMESON.