

No. 756,562.

PATENTED APR. 5, 1904.

C. B. BALDWIN.  
UMBRELLA GEAT.

APPLICATION FILED JUNE 7, 1902.

NO MODEL.

Fig. 1.

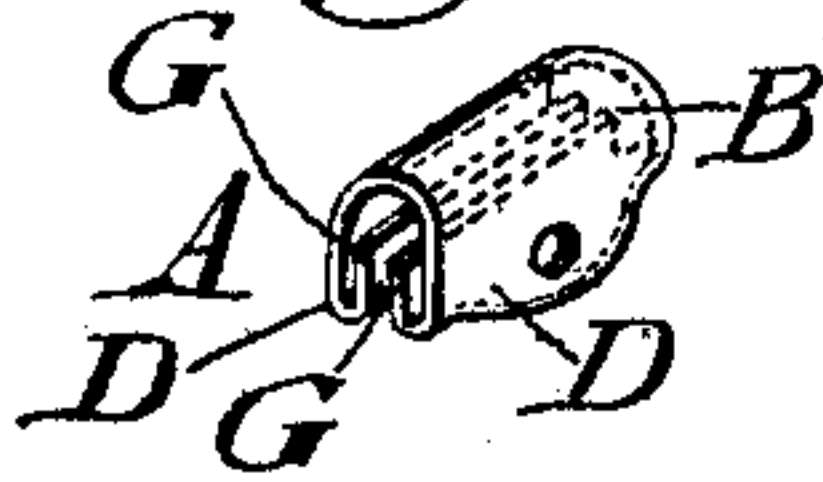


Fig. 4.

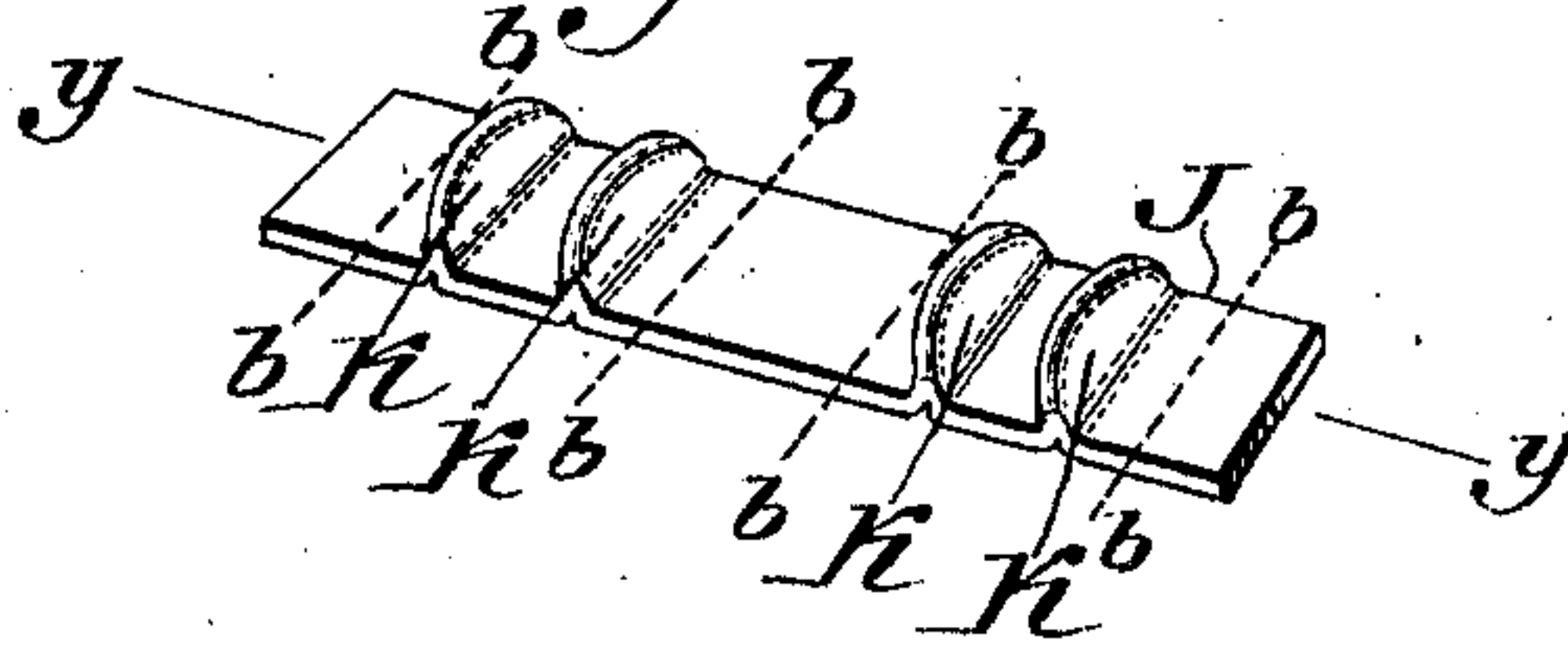


Fig. 5.

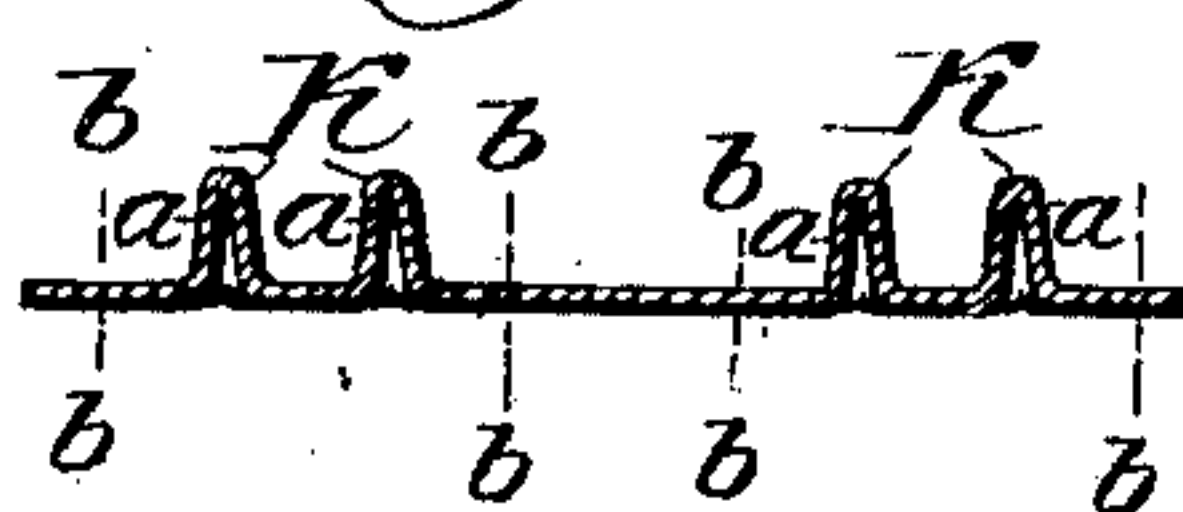


Fig. 6.



Fig. 3.

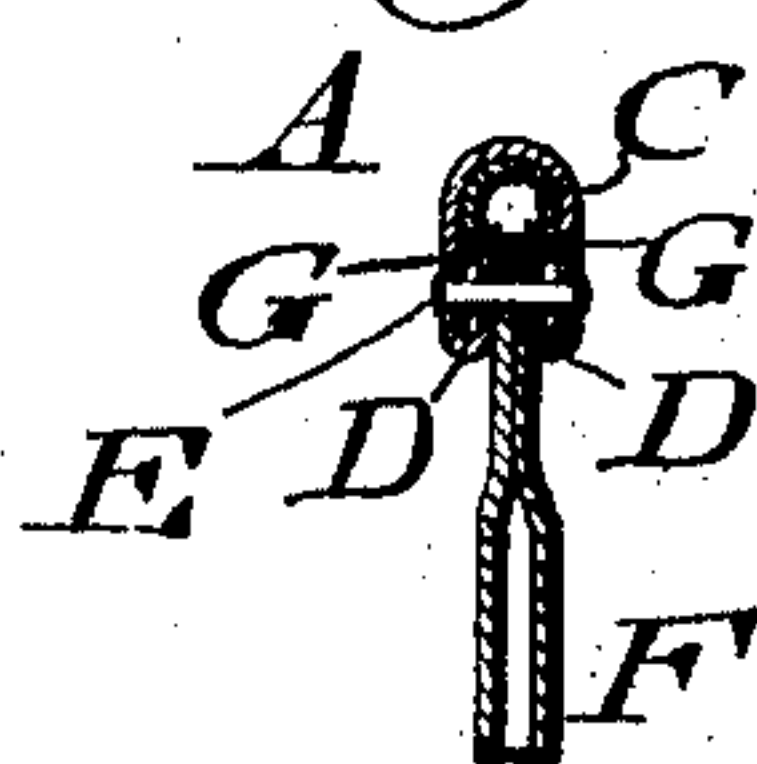
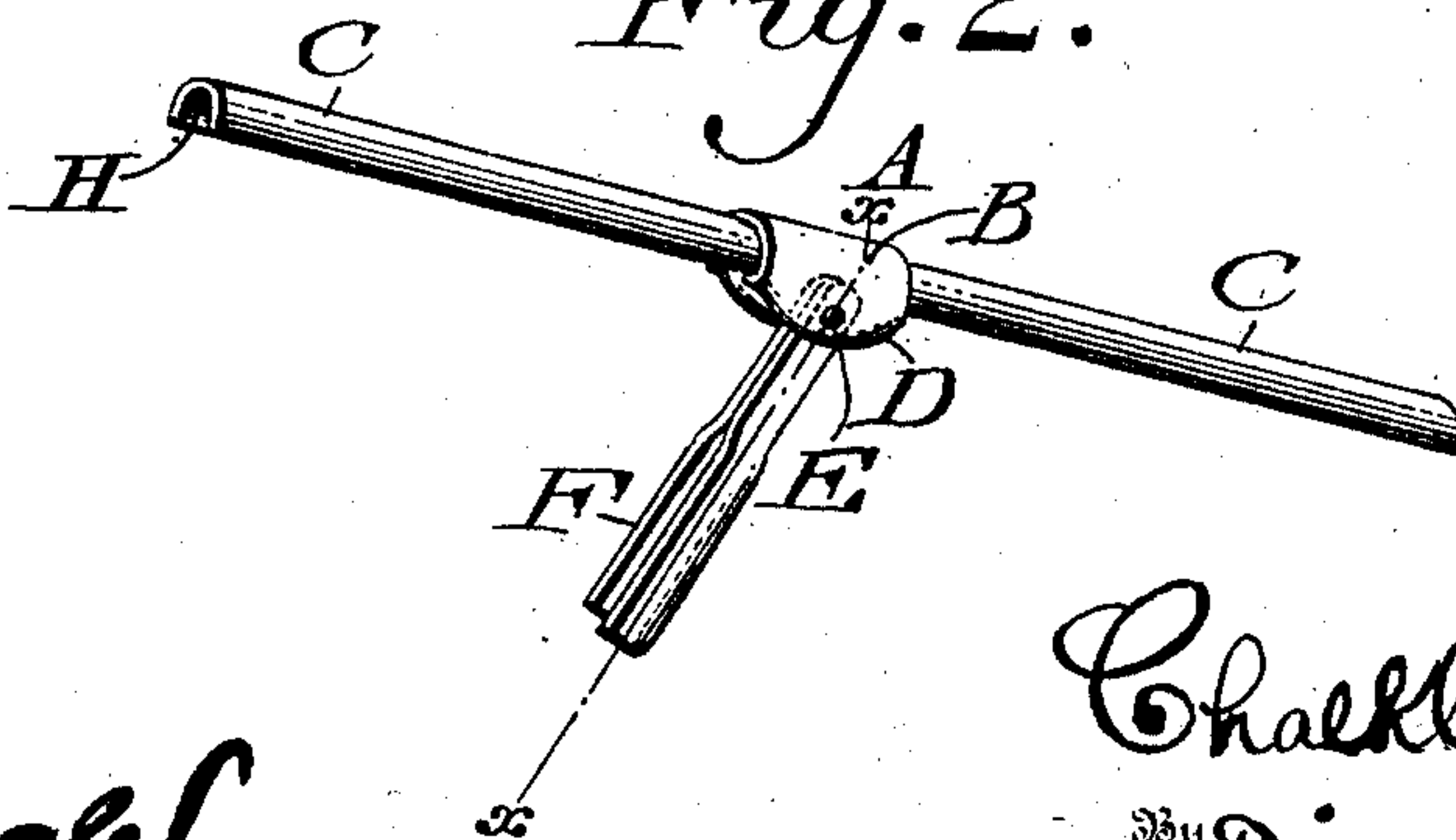


Fig. 2.



Witnesses

O. F. Hayes.  
L. H. Bouville.

Inventor

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# UNITED STATES PATENT OFFICE.

CHALKLEY B. BALDWIN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR  
TO SAMUEL W. EVANS, JR., TRADING AS S. W. EVANS & SON, OF PHILA-  
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## UMBRELLA-GEAT.

SPECIFICATION forming part of Letters Patent No. 756,562, dated April 5, 1904.

Application filed June 7, 1902. Serial No. 110,574. (No model.)

*To all whom it may concern:*

Be it known that I, CHALKLEY B. BALDWIN, a citizen of the United States, residing in the city and county of Philadelphia, State of Penn-  
sylvania, have invented new and useful Im-  
5 improvements in Connecting-Joints for Um-  
brella Ribs and Stretchers, of which the fol-  
lowing is a specification.

My invention consists of a joint for con-  
10 necting a rib and stretcher of an umbrella or  
parasol, embodying a clip or geat adapted to  
firmly clasp the rib and ears forming strong  
and durable bearings for the pivot of the  
stretcher and locating said pivot outside of  
15 the rib, where it is most convenient for appli-  
cation and removal and change in the contour  
of the rib is avoided, as will be hereinafter  
more fully set forth.

Figure 1 represents a perspective view of a  
20 joint embodying my invention. Fig. 2 rep-  
resents a perspective view of the joint in po-  
sition on an umbrella-rib. Fig. 3 represents  
a section thereof on line *x x*, Fig. 2. Fig. 4  
represents a perspective view of a prepared  
25 blank employed for making joint embodying  
my invention. Fig. 5 represents a longitudi-  
nal section thereof on line *y y*. Fig. 6 repre-  
sents a perspective view of the blank in par-  
tially-finished condition.

30 Similar letters of reference indicate corre-  
sponding parts in the figures.

Referring to the drawings, A designates a  
geat or lap consisting of the channeled body  
B, which is adapted to embrace the back and  
35 sides of an umbrella-rib C, the ears or cheeks  
D, which are continuous inwardly from the  
sides of the body and are of segmental form,  
producing swells or enlargements in which are  
the openings E to receive the pivot E of the  
40 stretcher F and the lips G, which are in-  
turned from said ears and enter the groove H  
of said rib and engage the walls thereof, it  
being seen that the ears are each composed of  
two members placed side by side, thus pro-  
45 ducing a strong and durable structure on which  
the pivot E is mounted, the end of the stretcher

being fitted between the opposite pairs of lips.  
Furthermore, the body B exteriorly embraces  
the rib C as a clip, and when said body and  
contiguous portion of the rib are pressed or  
50 pinched together said body is tightly held in  
position assisted by the engagement of the  
lips G with the interior of the rib, so that the  
geat is prevented from shifting and turning  
on the rib.

The construction of the geat admits of the  
55 advantageous production of the same from the  
strip of metal or blank J, in which the metal  
is doubled on itself or crimped at intervals,  
as at K, producing two thicknesses of metal, 60  
as at *a a*. The crimped piece is then cut off  
at the lines *b b* and bent around to the form  
shown in Fig. 6, after which the crimps are  
brought parallel and close to each other and  
65 the ends *c c* of the piece turned up, producing  
the lips G, which are adapted to enter the  
groove H. The lips are punched or pierced  
to receive the pivot E, either before or after  
application to the rib.

It will be noticed that the swells of the ears 70  
D project beyond the edges of the groove of  
the rib, so that said pivot may be inserted into  
said ears and the stretcher outside of said  
groove for connection of the parts and like-  
wise removed for purposes of repairs, both in 75  
most convenient manner.

In Fig. 4 the blank is shown as adapted for  
making two geats, it being evident that said  
blank may be lengthened for multiplying the  
80 number of geats to be made, or the blank may  
be shortened for making a single geat.

Various changes may be made in the details  
of construction without departing from the  
general spirit of my invention, and I do not,  
therefore, desire to be limited in each case to 85  
the same.

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

1. A trough-shaped geat having its sides 90  
turned inward their entire length forming out-  
wardly-extending portions doubled on each



other and pierced for a pivot and inwardly-extending clip portions.

2. A trough-shaped geat having its sides turned inward their entire length forming outwardly - extending portions doubled on each  
5 other and pierced for a pivot and inwardly-extending clip portions, the doubled edges

of said outwardly-extending portions being curved.

CHALKLEY B. BALDWIN.

Witnesses:

HERMAN HARGREAVES,  
J. MacDONOUGH.