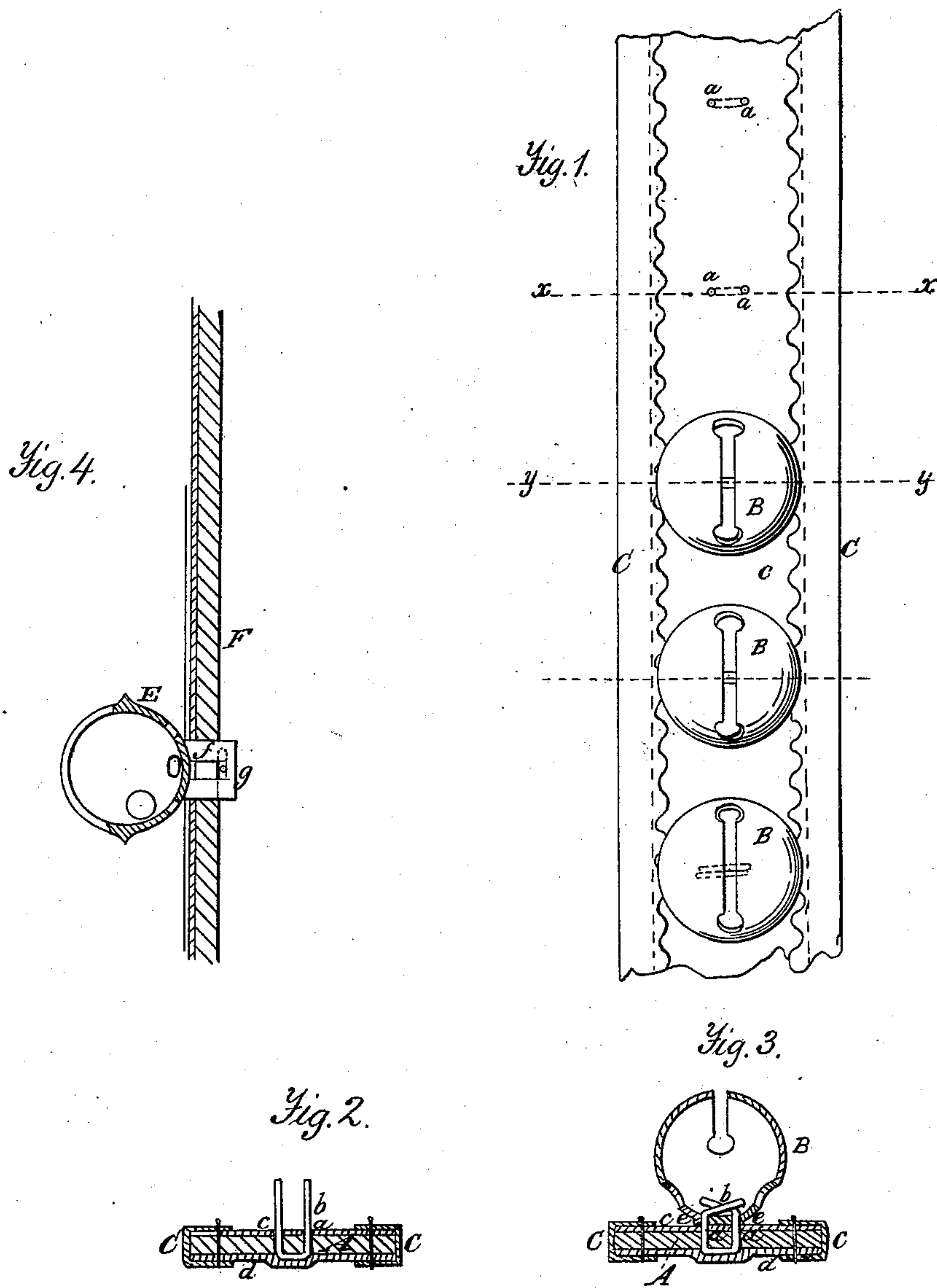


*A. G. Berin,*  
*Attaching Sleigh-Bells,*  
*No 15,366,* *Patented July 22, 1856.*



# UNITED STATES PATENT OFFICE.

ABNER G. BEVIN, OF CHATHAM, CONNECTICUT.

## METHOD OF ATTACHING SLEIGH-BELLS TO STRAPS.

Specification forming part of Letters Patent No. 15,366, dated July 22, 1856; Reissued April 8, 1862, No. 1,298.

*To all whom it may concern:*

Be it known that I, ABNER G. BEVIN, of Chatham, in the county of Middlesex and State of Connecticut, have invented a new and Improved Mode of Attaching Horse or Sleigh Bells to Straps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a view of a portion of a strap, with three bells attached according to my improved mode. Fig. 2, is a transverse section of the same, (*x*), (*x*) Fig. 1, showing the plane of section. Fig. 3, is also a transverse section of the same, (*y*), (*y*), Fig. 1, showing the plane of section. Fig. 4, is a portion of a strap with a bell attached to it, in the old or usual way.

My invention consists in casting the bells without shanks, and connecting them to the straps by means of staples, as will be hereinafter fully shown and described.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, Figs. 2, and 3, represent the strap to which the bells B, are attached. This strap is of the usual thickness, and the same as is now employed for a like purpose. The strap A, is pierced with small holes (*a*), at equal or suitable distances apart, through which wire staples (*b*), are passed. The staples (*b*), also pass through the patent leather cover (*c*), on the strap A, but do not pass through the lining (*d*), which is attached to the inner side of the strap, see Fig. 2.

C, C, represent the binding which is stitched over each edge or side of the strap, cover, and lining, as shown in Figs. 2, and 3.

B, Figs. 1, and 3, represents the bells. These bells are cast without shanks, and merely have two holes (*e*), (*e*), drilled through them to allow the staples (*b*), to pass through. The ends of these staples are bent over or clenched, by means of small

pliers which are inserted through the holes in the bells, and the bells are thereby permanently secured to the strap, see Fig. 3. 50

In the old method of attaching bells to straps, the bells E, are cast with shanks (*f*), which pass through holes in the strap F, and the shanks have wires (*g*), passing through them, to secure the bells to the strap, see Fig. 4. In the old method it will be seen that the bells must be attached to the strap F, before the lining is attached to it, and consequently the binding C, C, must be stitched over the edges or sides of the strap, after the bells are all on the strap. Consequently the stitching of the binding C, must be done by hand. A sewing machine cannot be used, as the bells E, are in the way, and besides they add so much weight to the strap, that the feed motion of a sewing machine is rendered inoperative. The strap F, is also much weakened by the large holes made through it to receive the shanks (*f*). 60 65 70

By my improvement the binding C, C, may be stitched by a sewing machine, before the bells are attached to the strap, the staple (*b*), being put through the strap A, as described. And as I dispense with the shanks (*f*), now employed, a considerable saving in metal is effected. 75

Thus I can make an ornamental strap much quicker than can now be done in the old mode of attaching bells to straps, and with much less expense. 80

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

Making the bells B, without shanks, and having holes (*e*), made through them, to receive the staples (*b*), which pass through the strap A, and cover (*c*), substantially as described, for the purpose set forth. 85

ABNER G. BEVIN.

Witnesses:

J. F. BUCKLEY,  
WM. TUSCH.