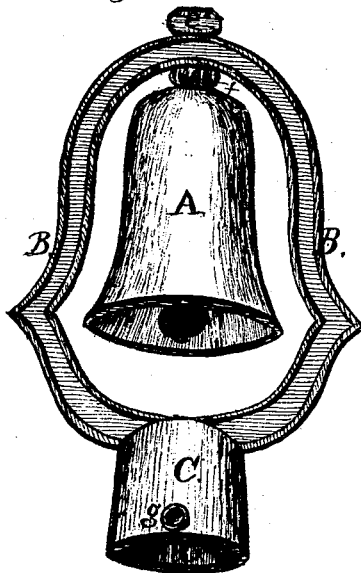


*S. Croll,*  
*Sleigh Bell.*  
*No. 111,729.* *Patented Feb. 14, 1871.*

*Figure 1.*



*Witnesses,*  
*Samuel G. Phelps*  
*Henry Charles*

*Inventor,*  
*Sylvester Croll*

# United States Patent Office.

SYLVESTER CROLL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
SAMUEL J. PHILIPS, OF SAME PLACE.

Letters Patent No. 111,729, dated February 14, 1871.

## IMPROVEMENT IN STATIONARY BELL-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern :*

Be it known that I, SYLVESTER CROLL, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in the Mode of Attaching Bells to Horse-Harness, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, in which—

Figure 1 represents my invention.

My invention relates to an improvement in the mode of attaching bells to horse-harness, &c.; and

It consists in a frame to which the bell is rigidly attached, said frame being provided with a socket to receive the end of the harness-hame or other supporting point.

The practice of attaching bells to the harness of horses employed to draw street-cars, &c., is now very extensively adopted, and it is found that the constant swinging of said bells, as they have hitherto been attached, has an effect to cause sores upon the horse when the bell is suffered to come in contact with his skin, and always rapidly to wear out both the bell and its support, so that the expense of renewal is frequent and considerable.

To obviate these disadvantages, as well as to provide a more ornamental mounting for the bell, has been the object of my invention.

I am aware that sockets have been employed as a means of attachment, but I am not aware that bells have ever been secured to harness, or elsewhere, by means similar to or possessing the same advantages as those I have invented.

That others may fully understand my invention I will particularly describe it.

A is the bell, of ordinary form, and

B is the frame, within which the bell is suspended by means of the screw and nut *c*.

The washer *f* gives a broad bearing for the screw against the crown of the bell and holds it steady and firm without muffling the sound.

The frame B may be made of brass or other metal, and at its lower end it is provided with a socket, C, made with its opening *d* adapted to the form of the end of the hame or other point of support upon which it is to be placed.

The socket C may be secured in position by means of a screw-thread cut upon its inner surface, or by means of a screw, rivet, or nail inserted through the hole *g*.

I am aware that a plate of metal secured at its ends to the two hames has been made to support a series of bells, but this differs from my invention inasmuch as it is only temporarily attached and is removed before the harness can be removed from the horse.

My bell frame is designed to hold only a single bell and to be permanently attached to the hame.

I am also aware of the invention of Charles Kirchoff, issued September 29, 1863, but said invention differs from mine because it is only shown and described, and was only intended to be attached to the saddle of the harness, where it will necessarily interfere with the check-rein, &c., whereas my bell-holder is applied only to the hame and secured in a different manner.

Having now described my invention,

What I claim as new, is—

The bell A and socketed frame B, constructed substantially as described, to form a bell-mounting for harness, as set forth.

SYLVESTER CROLL.

Witnesses:

SAMUEL J. PHELPS,  
HENRY CHARLES.