

H. HOSEUS.

No. 342,098.

Patented May 18, 1886.

A detailed technical drawing of a mechanical device, possibly a weighing scale or a balance. It features a horizontal beam supported by a central vertical column. The beam has two long, thin rectangular weights hanging from it, labeled 'B'. The central support is labeled 'K'. The beam is connected to a vertical frame on the left and right sides, with various components labeled 'A', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', and 'L'. The drawing is a side view, showing the internal structure and the arrangement of the weights and supports.

The diagram illustrates a circular mechanical assembly, possibly a pump or engine component, viewed from above. It features a central hub (K) connected to four radial arms (J). The outer rim is marked with letters A, B, C, D, E, F, G, H, I, and J. The device is supported by a base (F) and has various internal components labeled with letters like A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. The drawing is signed by the inventor, H. Hoveus, and includes the name of the firm, Munn & Co.

WITNESSES:
Geo. Nide

INVENTOR:
H. Hoveus

BY *Munn & Co*

Umas Nida
C. Sedgwick

BY *H. Hosens*
Munn & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY HOSEUS, OF BROOKLYN, NEW YORK.

BANJO.

SPECIFICATION forming part of Letters Patent No. 342,098, dated May 18, 1886.

Application filed June 12, 1885. Serial No. 168,551. (No model.)

To all whom it may concern:

Be it known that I, HENRY HOSEUS, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Banjos, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a rear view of a part of one of my improved banjos. Fig. 2 is a sectional elevation of the same, taken through the line *x x*, Fig. 1.

The object of this invention is to provide banjos constructed in such a manner as to have a stronger and clearer tone than banjos constructed in the ordinary manner.

The invention consists in the combination, with the rim, head, and stick of a banjo, of a wire ring, supporting-brackets, regulating-springs, and an adjusting-screw, as will be hereinafter fully described.

A represents the rim, B the stick, C the head, D the hoop, E the flesh-hoop, F the hooks, and G the brackets, of an ordinary banjo. To the inner side of the rim A are secured the rear ends of brackets H, which incline inward, and have their forward ends curved outward and forward to form seats for the wire ring I. The wire ring I is made a little smaller than the rim A, and is placed

concentric with and a little in front of the forward edge of the said rim.

J are two or more curved springs interposed between the stick B and the head C, and which cross each other at the center of the banjo. The ends of the springs J are bent forward, inward, and forward to form seats for the wire ring I, against which they rest.

K is a hand-screw, which passes through a screw-hole in the stick B at the center of the banjo, and its forward end rests against the centers of the convex sides of the springs J, so that by turning the screw K the springs J can be adjusted to regulate the tension of the said springs, and consequently the pressure of the wire ring I against the head C, and thus regulate the tension of the said head.

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

In a banjo, the combination, with the rim A, the head C, and the stick B, of a wire ring, I, of a less diameter than the said rim, supporting-brackets H, tension-regulating-springs J, and an adjusting-screw, K, substantially as herein shown and described, whereby the tension of the head can be readily regulated, as set forth.

HENRY HOSEUS.

Witnesses:

JAMES T. GRAHAM,
C. SEDGWICK.