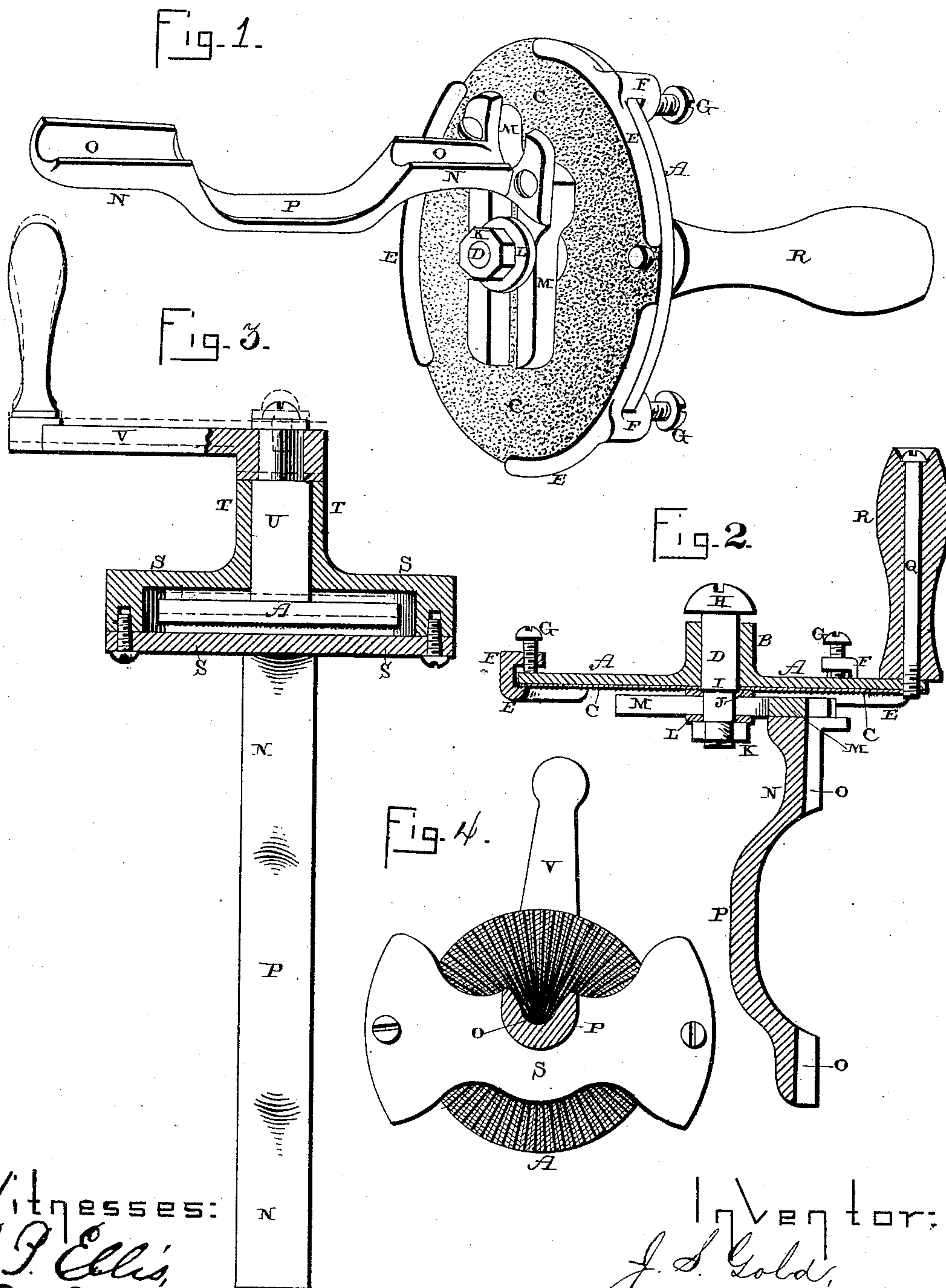


(Model.)

J. S. GOLD.
BILLIARD CUE DRESSER.

No. 422,204.

Patented Feb. 25, 1890.



Witnesses:

E. J. Ellis,
Asst. Secy. Patterson

Inventory:

J. S. Gold,
per
F. A. Lehmann
att'y

UNITED STATES PATENT OFFICE.

JOSEPH S. GOLD, OF COLUMBUS, OHIO, ASSIGNOR OF ONE-HALF TO
HART SCHRADER, OF SAME PLACE.

BILLIARD-CUE DRESSER.

SPECIFICATION forming part of Letters Patent No. 422,204, dated February 25, 1890.

Application filed November 13, 1889. Serial No. 330,221. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH S. GOLD, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Billiard-Cue Dressers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in billiard-cue dressers; and it consists in the particular construction and arrangement of parts, which will be more fully described hereinafter, and particularly pointed out in the claims.

The object of my invention is to provide a billiard-cue dresser which is so constructed that the cue is grasped by the hand which holds at the same time the dresser, and by means of which the end of the cue is quickly, easily, and accurately cut away for the reception of the ordinary tip.

Figure 1 is a perspective of a machine which embodies my invention. Fig. 2 is a vertical section through the hub of the wheel and showing also its journal. Fig. 3 is a side elevation of a modification of my invention. Fig. 4 is an inverted view of the machine shown in Fig. 3.

A represents a wheel which is provided with a hub B of a suitable length, and which wheel is provided upon its face with the rough surface C. This surface C, as here shown, consists of a sheet of sand-paper cut circular in form, with a center opening through which and the hub of the wheel A the bolt or journal D passes. The sand-paper or other roughened surface C is here shown separate from the wheel A, and clamped in position upon the face of said wheel by means of a suitable number of circular pieces E, provided with the clamps F, which catch over and are secured to the periphery of the wheel A by means of the screws G. Instead, however, of making the roughened or polishing surface C separate and distinct from the wheel A, the face of the wheel itself may be

directly roughened like unto a file, as shown in Fig. 3, instead of using a separate sheet of sand-paper, emery-cloth, or other roughened material, as shown in Fig. 1.

The bolt D is provided upon its outer end with a slotted head H for the reception of a screw-driver, and at its inner end with a flange or shoulder I, against which the inner washer J is placed. The outer end of this bolt is provided with a screw-thread, upon which is screwed the nut K, and inside of this nut K is placed another washer L, and between these two washers is clamped a slotted frame or casting M. Secured to one end of this casting M, and extending outward therefrom a suitable distance, is an arm N, provided with a groove O, which is preferably V-shaped in form, and which provides a bearing-surface for a cue. This arm N is provided with a curved or bulged portion P, which conforms to the shape of the hand when grasped around it and the cue, which is placed in the V-shaped groove. It is essential that the end of the cue should be cut away perfectly square, and since the cue tapers gradually it is necessary to make this V-shaped groove O smaller at its inner end than at its outer one, as shown, so as to conform to the taper of the cue and to cause the cue to stand accurately at right angles to the surface of the grinding-wheel A.

The object of providing the casting with a slot, as shown in Fig. 1, is to enable the casting to be adjusted upon the bolt D, and thus bring the end of the cue in contact with any portion of the wheel A that may be desired. This construction is especially desirable where sand-paper or other separate roughened surface is used which cuts away quickly, so that after it has been worn smooth the casting can be adjusted and the end of the cue brought in contact with an unused portion of the said surface.

When the end of a cue is to be dressed, the cue is placed in the V-shaped groove O, its larger end placed upon the floor, and the hand grasped around the cue and the extended arm N, thus holding the cue firmly in position while its end is being dressed. The bolt D, which passes through the hub B of the wheel

A, is made somewhat longer than the hub, as shown, so that as the end of the cue is cut away the wheel will move downward and continue to bear firmly upon its end.

5 Secured to the wheel A by means of a bolt Q is an operating-handle R, by means of which the wheel is revolved.

I do not limit myself to the precise construction of the wheel shown in Fig. 1, nor
10 of the casting, for these may be varied somewhat without departing from my invention, the principal feature of which is to provide a rest for the cue, which at the same time forms a hand-hold, by means of which the
15 cue is held in its place, and the machine also supported in its proper position for dressing the end of the cue; hence, instead of providing the wheel A with a hub B, as shown in Fig. 1, a frame or casting S, as shown in Fig.
20 3, may be used, and in which case the upper portion of the casting will have an extended bearing T, as shown, through which the shaft or axle U of the wheel A will pass and to the outer end of which is secured a handle V, by
25 means of which the wheel is rotated. The arm N in this case will preferably be cast integral with the front side of the casting or frame, or may be detachably secured to it at its inner end, if so desired. In this construction, the wheel A being formed of steel or
30 other hard substance, having formed directly upon its face the roughened file-like surface, it is no longer necessary to have the arm N adjustable in relation to the wheel, so that
35 the cue can be moved up and down in relation to the face of the wheel for the purpose above described in respect to the construction shown in Fig. 1.

The object of providing a hub, as shown in
40 Fig. 1, or a long bearing-surface for the shaft of the wheel A, as shown in Fig. 3, is to prevent the said wheel from wobbling and always hold it accurately at right angles to the groove formed in the extended arm, whereby the end
45 of the cue is always squarely cut away.

Having thus described my invention, I claim—

1. In a billiard-cue dresser, the combination,
50 with a frame or casting for supporting the cue, and a grinding-wheel journaled thereto and provided with an operating-handle, of an arm extending outward at right angles to the said frame or casting on which the cue is placed and at the same time a hand-hold

for holding the cue thereon, substantially as
shown. 55

2. In a billiard-cue dresser, the combination, with a frame or casting for supporting the cue, and a grinding-wheel journaled thereto and provided with an operating-handle, of an
60 arm extending outward at right angles therefrom having a V-shaped groove which is smaller at its inner end than at its outer end, whereby the cue is cut away squarely at its end, and a hand-hold provided for holding the
65 cue in place while being operated upon, substantially as described.

3. In a billiard-cue dresser, the combination, with a casting for supporting the cue or frame, and a grinding-wheel journaled thereto,
70 of an arm extending outward at right angles thereto, having an outwardly curved or bulged portion and a groove, substantially as specified.

4. In a billiard-cue dresser, the combination
75 of the grinding-wheel provided with an opening at or near its center, an operating-handle secured thereto, a bolt which passes through the said central opening, and a casting which is secured upon the outer end of
80 the bolt, having an arm extending outward at right angles thereto, and which forms a bearing-surface for the cue and at the same time a hand-hold, substantially as set forth.

5. In a billiard-cue dresser, the combination
85 of the grinding-wheel provided with a hub, the headed bolt which passes through the hub, and the casting secured to the opposite end of the bolt provided with an outwardly-extending arm which forms a bearing for the
90 cue, the bolt being longer than the hub, whereby the grinding-wheel is allowed to move downward as the end of the cue is cut away, substantially as shown.

6. In a billiard-cue dresser, the combination
95 of the grinding-wheel provided with a central opening, the headed bolt which passes through the opening, and the slotted casting secured to the opposite end of the said bolt provided with an arm extending outward at
100 right angles thereto, which is adapted to receive the cue, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH S. GOLD.

Witnesses:

E. L. DE WITT,
H. T. IRVIN.