M. GOLLAHER.

BROOM-WINDING MACHINE.

No. 181,935. Patented Sept. 5, 1876.

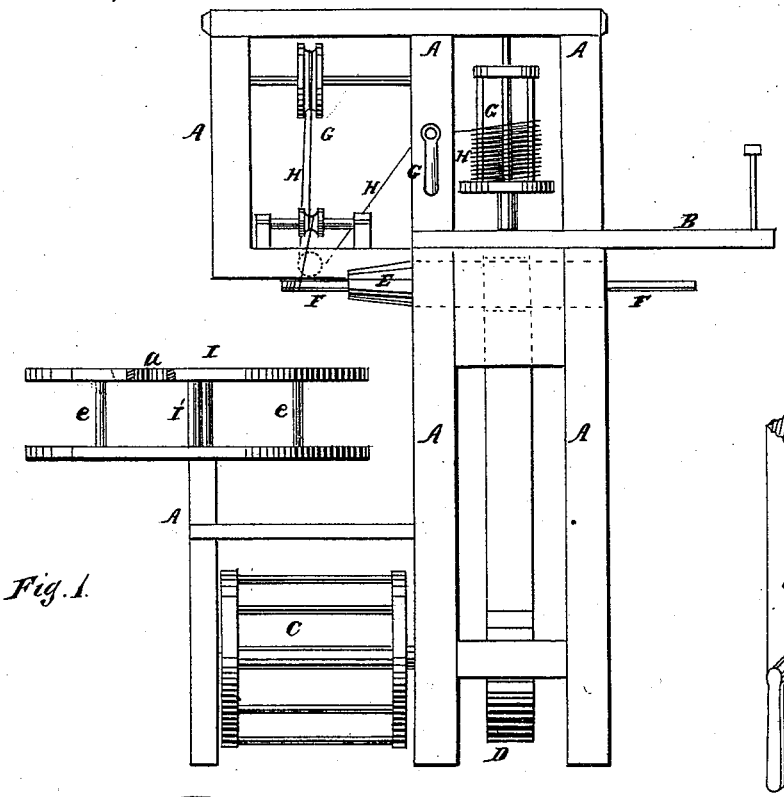

Fig. 1.

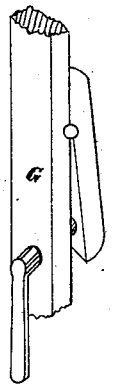

Fig. 3.

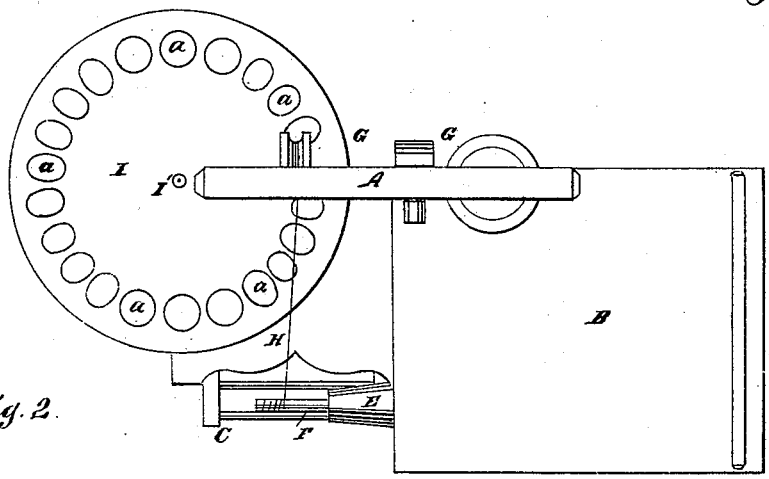

Fig. 2.

Witnesses:

Ulman Strong

W. W. Smith.

Inventor

Michael Gollaher

By F. F. Warner

his Attys

UNITED STATES PATENT OFFICE.

MICHAEL GOLLAHER, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO MICHAEL CAHILL, OF SAME PLACE.

IMPROVEMENT IN BROOM-WINDING MACHINES.

Specification forming part of Letters Patent No. **181,935**, dated September 5, 1876; application filed June 7, 1876.

To all whom it may concern:

Be it known that I, MICHAEL GOLLAHER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Broom-Winding Machines, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part hereof, and in which—

Figure 1 is a front elevation of a machine provided with my improvement; Fig. 2, a top or plan view of the same, and Fig. 3 a perspective of the part which constitutes the tension-clamp.

Like letters of reference indicate like parts.

The broom-corn used in making broom-corn brooms and brushes is graded into several grades or qualities, and placed loosely on a table or platform, so as to be conveniently reached by the operator while working the winding-machine. The different grades or kinds of corn are thus liable to become mixed, and so retard the operation of winding.

The object of this invention is to prevent the different grades from being mixed, and at the same time to aid the operator in selecting the kind he may need from time to time. To this end my invention consists in providing the machine with a perforated platform adapted to receive the graded bundles, and arranged for convenience of access. It also consists of such a platform, when made rotary, to still further aid the operator in selecting the material he may need.

In the drawing, A represents the frame of the machine, and B the table or platform heretofore in use, and first above referred to. C is the treadle or foot-reel. D is a pulley or belt-wheel on the reel-shaft. E is a rotary clutch driven by a belt on the wheel D. F is a broom-stick, held by the clutch, and G is the tension. H is the wire employed to bind the corn upon the stick or handle.

All of these parts are old, both with regard to their construction and arrangement, except as relates to the arrangement of the tension, which will be hereinafter more fully explained. I have deemed it best to refer to these parts thus briefly, in order that their relation to my improvements may be readily understood.

I is a platform, having therein the perforations *a a*, in the latter of which the bundles of graded material are to be arranged, respectively. This platform, as will be perceived from reference to the drawing, is so arranged that the material in its perforations or pockets may be conveniently reached by a workman standing at the reel; but to enable him to reach the material still more conveniently the platform is preferably made capable of being rotated on the central pin or post I′. A cheap and convenient way of making the platform I is to arrange two parts horizontally and parallel to each other, connecting them by means of posts *e e*, and perforating the upper part only, as represented in Fig. 1.

The table B is not essential when the platform I is used; but may be employed in the same machine, if deemed desirable.

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

1. The combination, in the same machine, of the table or platform I, having therein the perforations or pockets *a a*, with the broom-winding mechanism, substantially as and for the purposes specified.

2. The combination, in the same machine, of the rotary table or platform I, having therein the perforations or pockets *a a*, with the broom-winding mechanism, substantially as and for the purposes specified.

MICHAEL GOLLAHER.

Witnesses:
MICHAEL CAHILL,
F. F. WARNER.