F. G. MARBACH.

INDEX.

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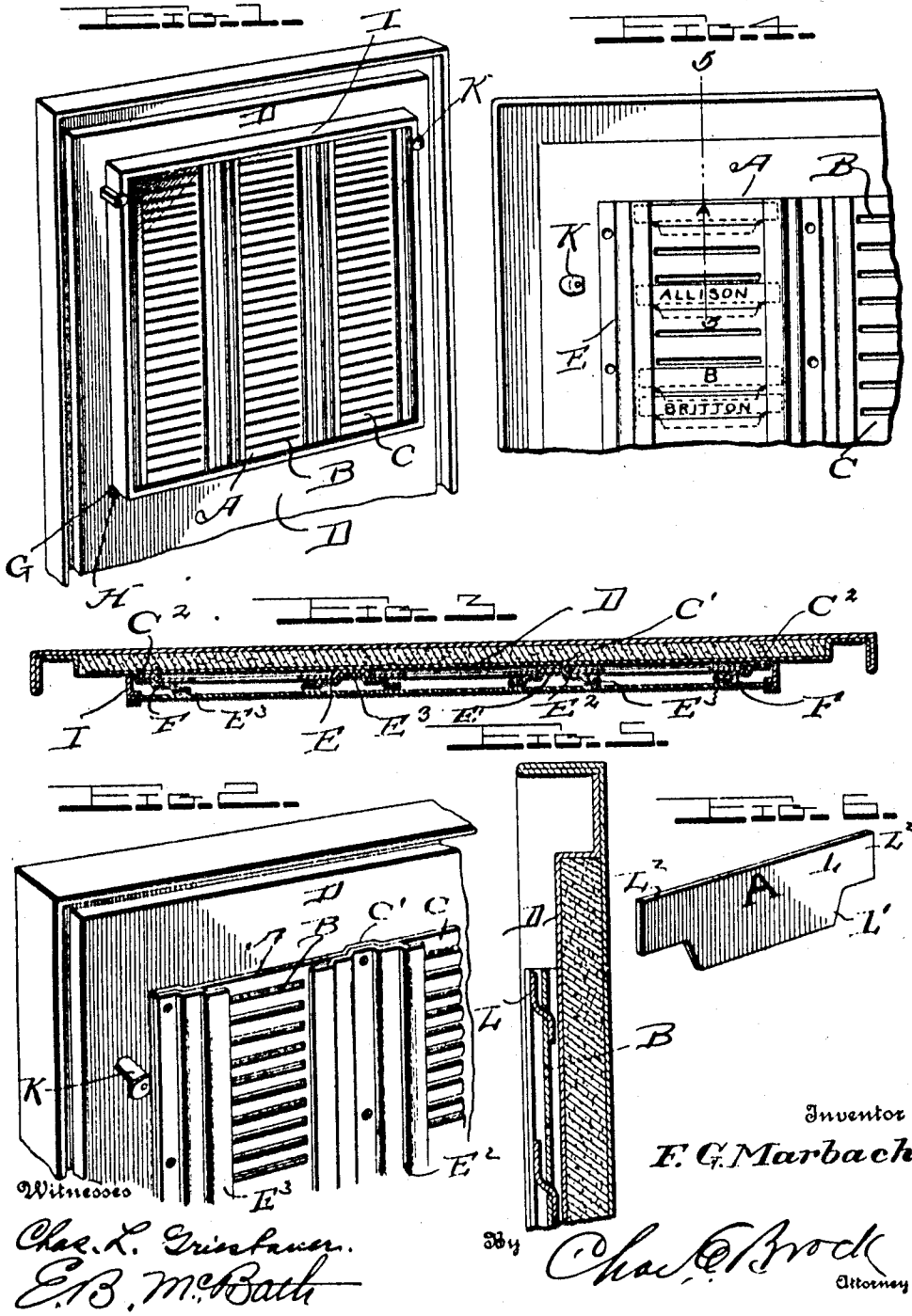

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK GEORGE MARBACH, OF CLEVELAND, OHIO, ASSIGNOR TO CHAMPION REGISTER COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

INDEX.

1,177,715. Specification of Letters Patent. Patented Apr. 4, 1916.

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To all whom it may concern:

Be it known that I, FRANK G. MARBACH, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Indexes, of which the following is a specification.

This invention relates to an index for an account register, the object being to provide an exceedingly cheap, and simple construction of index which can be quickly and easily attached to the inner face of the cover of a case and provide a convenient and efficient holding means for the index cards or slips bearing the names of the customers.

With these objects in view, my invention consists in the novel features of construction, combination or arrangement of parts all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification: Figure 1 is a view of a case cover with my improved construction of index thereto attached. Fig. 2 is a detail view on a somewhat larger scale, the glass panel being removed. Fig. 3 is a sectional view taken through the index and cover, and, Figs. 4, 5 and 6 show details of construction.

In the practical embodiment of my invention I employ a thin plate of sheet metal, the size thereof being determined by the size of the register to which it is to be applied. This sheet metal plate A has a plurality of horizontal slots B punched therefrom, said slots being arranged in regular order in rows as indicated, each row of slots being separated from the other by an unpunched portion C. This unpunched portion C is grooved or depressed from the top edge of the plate A to the bottom edge thereof, these grooves or depressions being very slight but sufficient to maintain the slotted portions of the plate slightly away from the inner face plate D of the cover of register. Along the side edges, it will be noted that the plate is also depressed as shown at C^2.

E indicate a plurality of thin metallic strips which at their centers are grooved as shown at E′ to fit the grooved or depressed portion C′ and upon opposite sides of the central grooved portion E′ the strip is shouldered or angled as shown at E^2 so that the free edges E^3 will be spaced slightly from the front face of the slotted plate A. These edges E^3 extend approximately to the ends of the slots B as most clearly shown and the strips E are positioned upon the plate A between the rows of slots and are spot-welded thereto, the spot-welding being along the lines of the mating grooved portions C′ and E′.

The slotted plate A is attached to the face plate D of the cover by spot-welding and if desired the strips can be spot-welded to the plate and the plate spot-welded to the cover at the same time if so desired or the operations may be accomplished separately.

F indicate side strips which are simply one-half of the intermediate strips and are attached to the depressed edges of the plate A by spot-welding also.

By shaping the slotted plate and strips as herein shown and described it is obvious that they can be quickly and easily punched and as soon as properly arranged the spot-welding operations can be quickly and easily accomplished thereby permanently and rapidly connecting all of the parts together and the japanning operation can then be completed without any difficulties whatever.

At the lower corners of the index I provide ears G in which is mounted a rod H to which a metallic frame I is attached, said frame carrying a glass panel shade which is adapted to cover the index and prevent the same from becoming soiled. The frame is locked in position by means of turn-buttons K attached to the face of cover and adapted to be brought over the edges of the frame and whenever it is desired to have access to the index these turn-buttons can be moved so as to permit the glass panel to be turned down exposing the index and then any desired card or tab can be removed, placed or replaced as desired.

The index cards, slips or tabs L are of paper of suitable thickness and are slightly reduced as shown at L′ so as to fit into the slot B while the ends L^2 are adapted to be slipped beneath the overhanging or projecting edges of the strips E. These index cards, slips, or tabs are adapted to have the name of the customer and the number of his account so that by referring to the index the dealer can quickly and easily determine the number and consequently the position of the customer's account with the register.

By constructing the index in this manner,

as herein shown and described, a great saving in time, labor and material is accomplished and at the same time an index is produced which is simple in construction, neat in appearance and highly efficient in operation.

What I claim is:—

1. In an index, the combination with the face of a cover, of a slotted sheet having grooved or depressed portions between the rows of parallel slots and strips shaped to fit the grooved or depressed portions of the sheet, said strips being connected to said sheet and said sheet being also connected to the face of cover.

2. In an index the combination with the face of a cover, of a sheet having a plurality of parallel slots arranged in rows, said sheet being grooved or depressed at points between the rows of slots, strips having a central groove or depression adapted to fit the groove or depression in the sheet, said strips being also shouldered whereby the free edges of said strips are spaced from the sheet, said strips and sheet being connected together and also connected to the face of cover, substantially as described.

FRANK GEORGE MARBACH.

Witnesses:
WILLIAM J. COWIN,
EDWARD BUSHNELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."