N. DuBRUL.

Cigar Bundling-Machine.

No. 166,591. Patented Aug. 10, 1875.

FIG. 4.

FIG. 1.

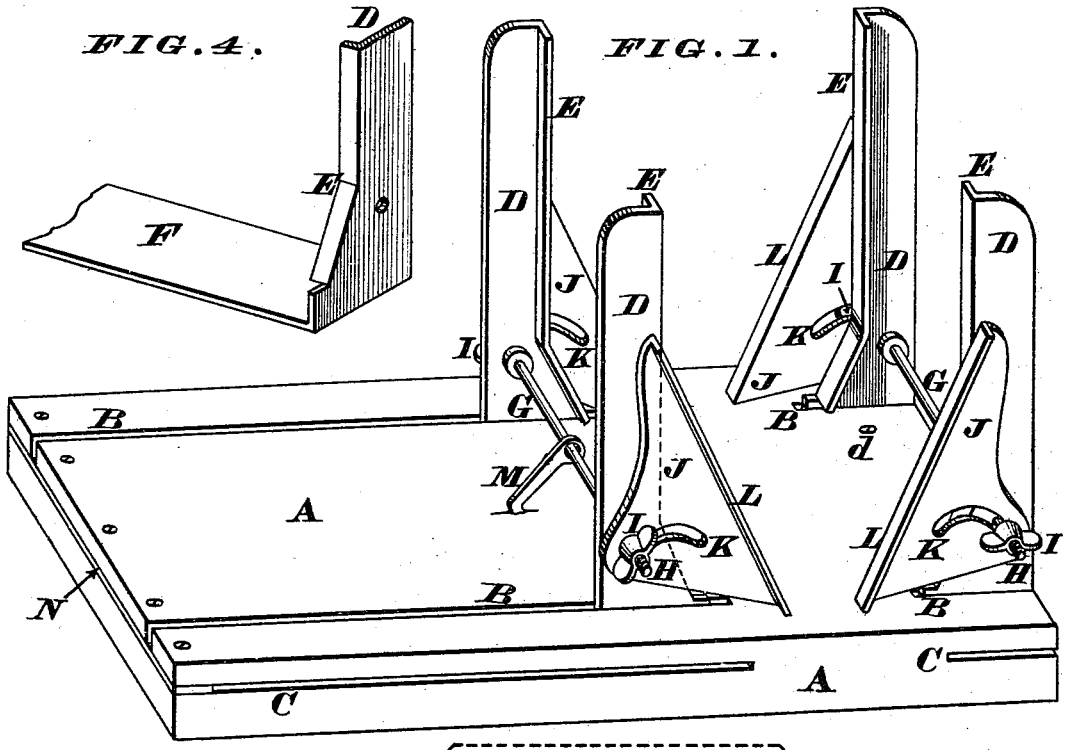


FIG. 2.

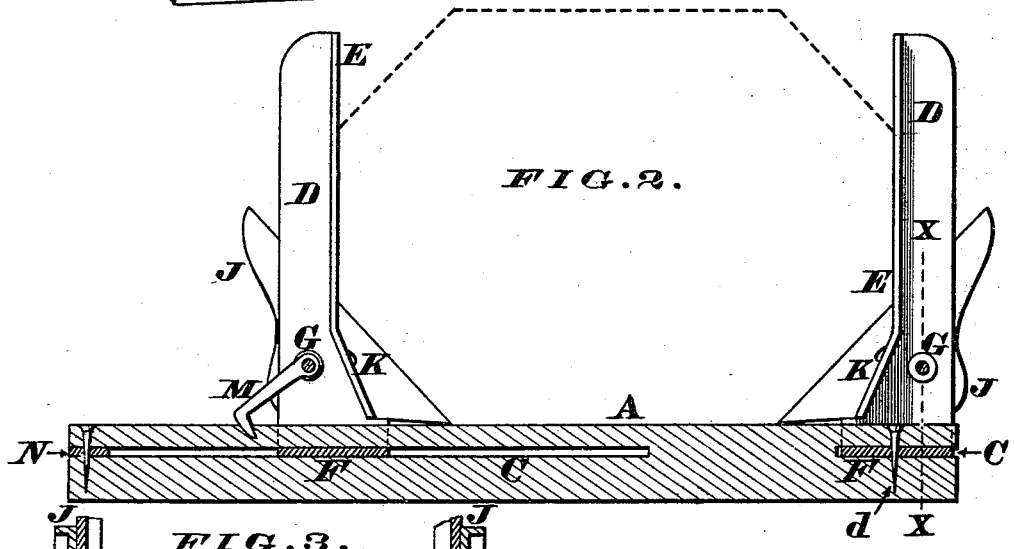
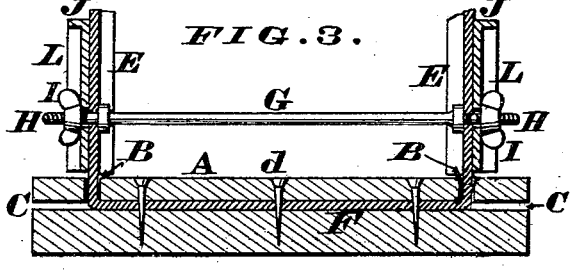


FIG. 3.



Napoleon DuBrul
By Knight Bros. Att'ys

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UNITED STATES PATENT OFFICE.

NAPOLEON DU BRUL, OF CINCINNATI, OHIO.

IMPROVEMENT IN CIGAR-BUNDLING MACHINES.

Specification forming part of Letters Patent No. **166,591**, dated August 10, 1875; application filed December 19, 1874.

To all whom it may concern:

Be it known that I, NAPOLEON DU BRUL, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Machine for Bundling Cigars, of which the following is a specification:

My invention relates to a new and useful adjustable rack or former to receive and hold a bundle of cigars preparatory to binding the same.

In the accompanying drawing, Figure 1 is a perspective view, showing the standards brought near together so as to form a small bunch or bundle. Fig. 2 is a longitudinal section, showing the standards placed wide for a large bundle. Fig. 3 is a transverse section on the line *x x*. Fig. 4 is a perspective view, showing a portion of one of the standards detached.

The base may consist of a slab of wood having two pairs of parallel vertical kerfs, B, and two horizontal kerfs, C. The checks or standards D may be of sheet metal, and have their opposing edges bent so as to form flanges E, which serve both to maintain the shape of the standard and to present a smooth and flat inclosure for the cigars, not liable to cut or mar the same. The lower ends of the standard are bent horizontally to form feet F, which, engaging in the kerfs C, as shown, serve to hold the standards to their proper erect position.

The plates F may extend across the kerf C from one vertical slot B to the other vertical slot, so as to unite the two standards, which compose each respective pair. By this means the standards are securely united together, and rendered more rigid than they would be if furnished with short feet or flanges. This coupling-plate also insures the simultaneous movement of the two shifting standards, thereby keeping their flanges E in line with each other, by which means the bundle is formed in a perfectly symmetrical shape. The standards are rigidly coupled in pairs by brace-rods G securely soldered thereto, and which, passing through the standards, are screw-threaded on their protruding portions H to take thumb-nuts I. J are angle-plates having curved slots K to receive the said portions H of rods G. These plates have flanges L like the flanges E on the standard, and for the same purpose. One pair of standards is capable of being shifted backward or forward to suit the size of the desired bundle, and of being held to any specific adjustment by a pawl or dog, M, whose point is for this purpose capable of easily penetrating the substance of the base. The opposing pair of standards is securely attached to the base A by means of screws or nails *d*. Secured to the kerf C, and at the extreme end of base A, is a cleat or strip, N, which prevents the shifting standards becoming detached from the wooden slab constituting the table of the machine. The angle-plates also are capable of being fixed at any desired level by means of the thumb-rests aforesaid.

I claim as new and of my invention—

1. The standards D, having flanges E, the rods G H, the angle-plates J K, and nuts I, in combination with the kerfed base A B C, as and for the purpose set forth.

2. The paired adjustable standards D, having the feet F, the base A having kerf C, as and for the purpose set forth.

3. In combination with the base A and standards D, the adjustable angle plates J K, for the purpose designated.

In testimony of which invention I hereunto set my hand.

NAPOLEON DU BRUL.

Attest:

GEO. H. KNIGHT,

O. P. CAYLOR.