

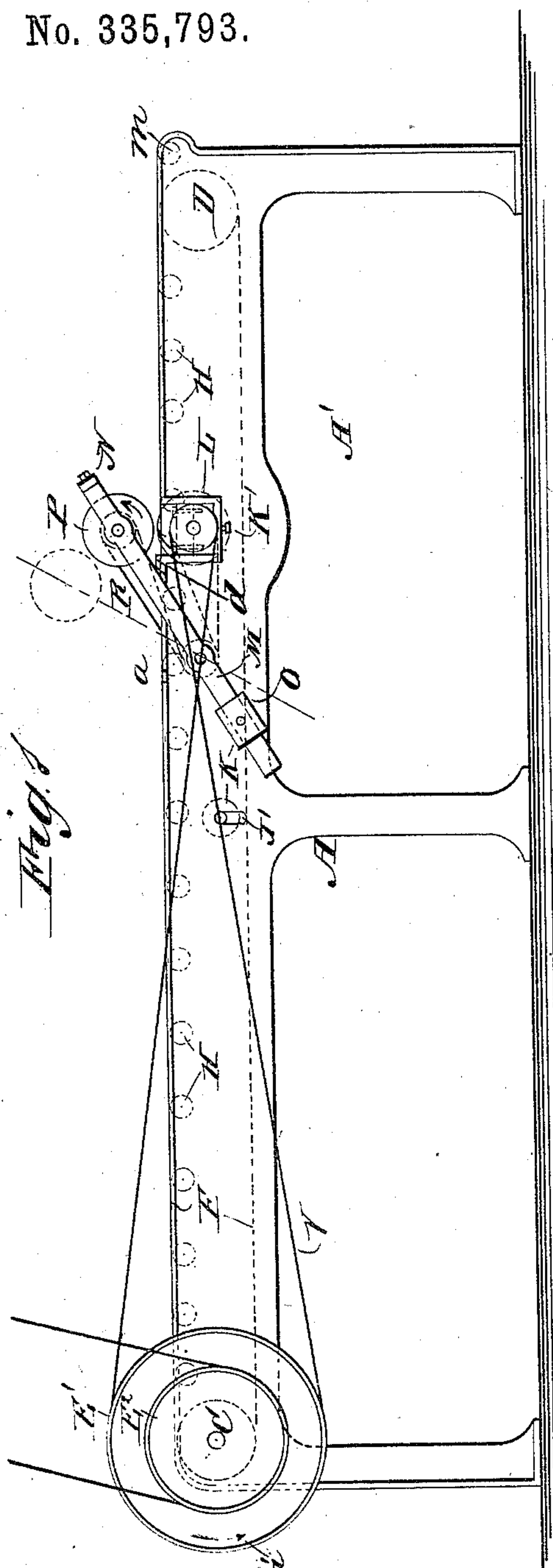
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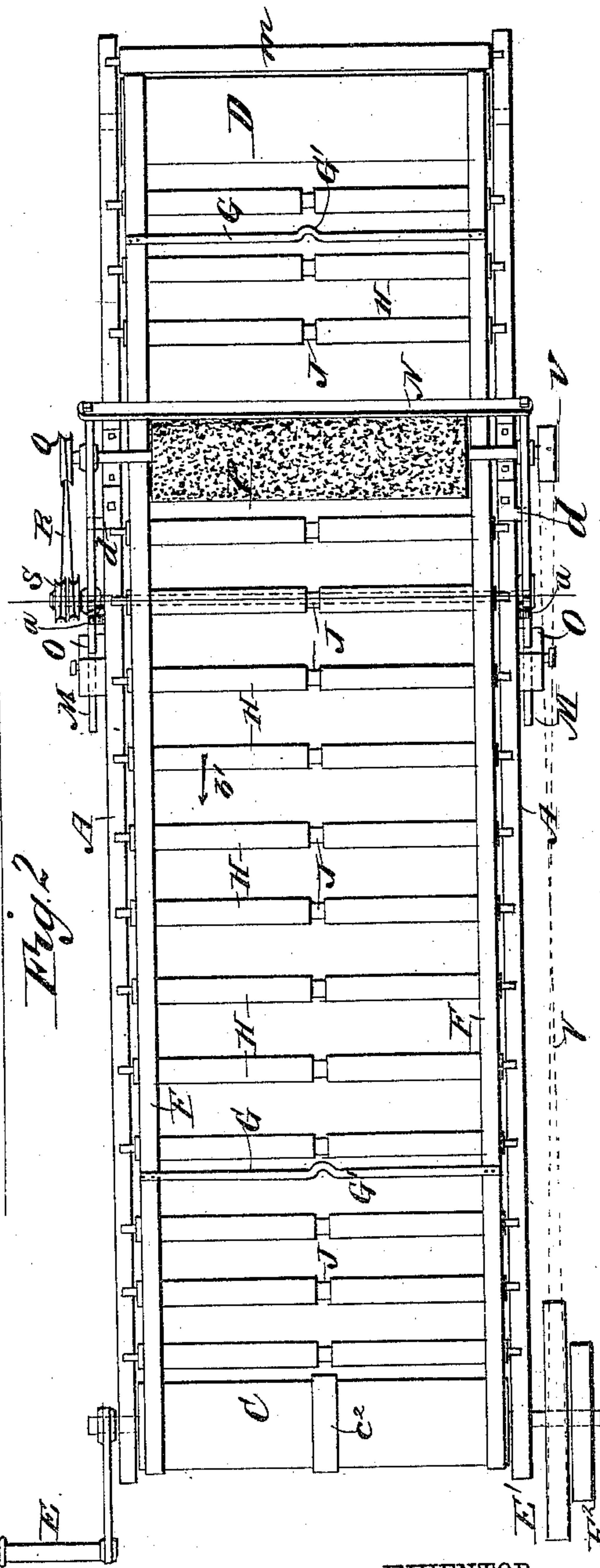
V. S. BEKOFSKY.  
BRUSHING MACHINE.

No. 335,793.

Patented Feb. 9, 1886.



WITNESSES:  
*F. M. Andle.*  
*C. Sedgwick*



INVENTOR:  
*V. S. Bekofsky*  
BY *Munn & Co.*  
ATTORNEYS.

(No Model.)

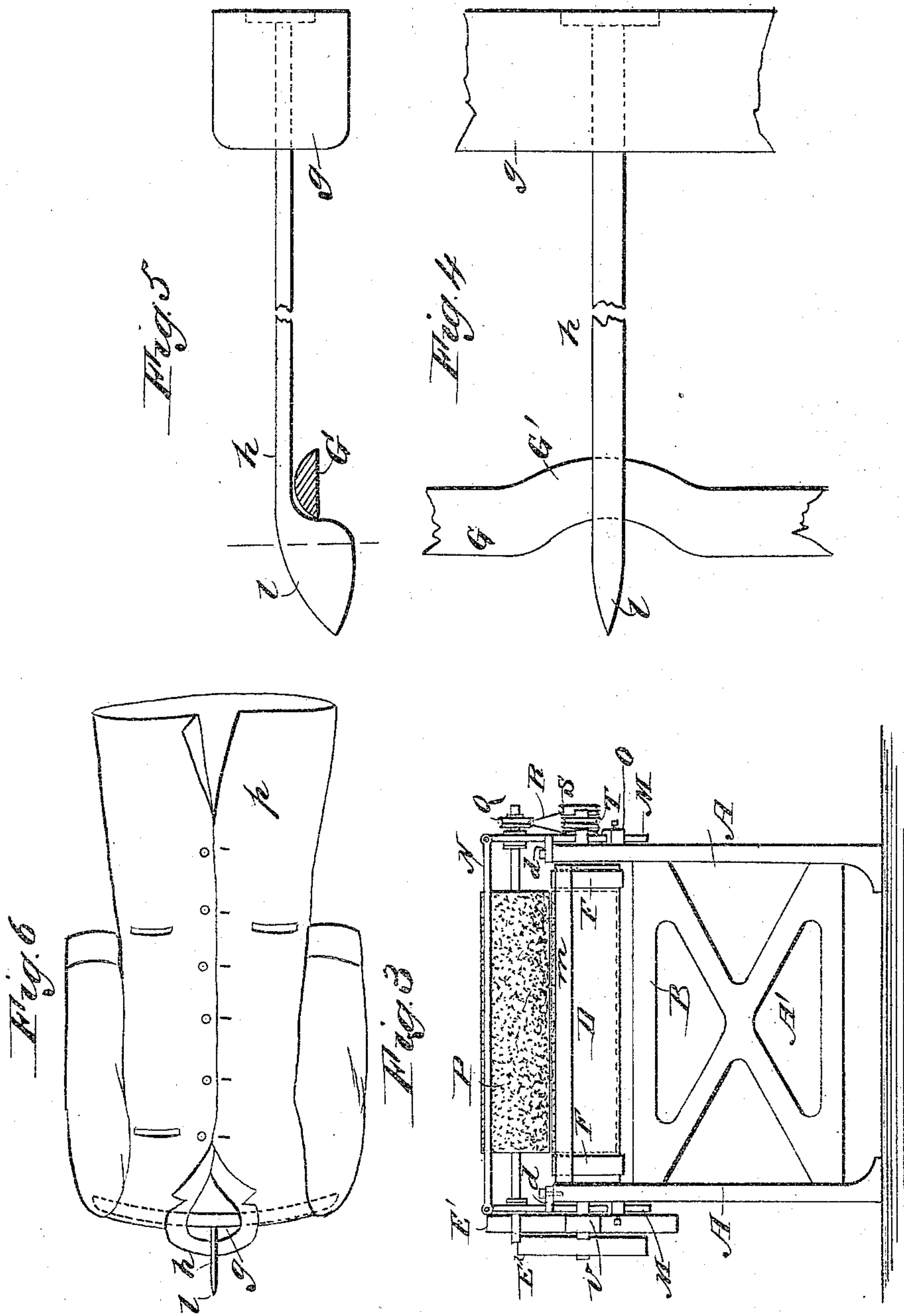
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# UNITED STATES PATENT OFFICE.

VLADIMIR S. BEKOFSKY, OF JENCHUAN, COREA.

## BRUSHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 335,793, dated February 9, 1886.

Application filed March 31, 1885. Serial No. 160,749. (No model.)

*To all whom it may concern:*

Be it known that I, VLADIMIR S. BEKOFSKY, of Jenchuan, Corea, have invented a new and Improved Brushing-Machine, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved machine for brushing garments of all kinds rapidly and thoroughly.

The invention consists in the combination, with a frame, of cylindrical brushes arranged on the same and endless belts united by cross-pieces for carrying the garments over the frame and between the brushes.

The invention also consists in parts and details and combinations of the same, as will be fully set forth hereinafter.

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

Figure 1 is a longitudinal elevation of my improved brushing-machine. Fig. 2 is a plan view of the same. Fig. 3 is an end elevation. Fig. 4 is an enlarged plan view of the clothes-holder, parts being broken out. Fig. 5 is a side view of the same. Fig. 6 shows the manner of applying the holder to a coat.

Two side pieces, A, are united by a series of cross-pieces, B, and at the ends of the frame A', thus formed, the rollers C and D are journaled, the former having a crank-handle, E, on one end of its shaft and two belt-pulleys, E' E'', on the opposite end. Over the rollers C D two endless belts, F, run, which are united by three (more or less) cross-rods, G, each having a crook or bend, G', at the middle. The upper parts of the belts run on a series of rollers, H, journaled in the side pieces, A, and each provided at the middle with an annular groove, J.

A roller, K, rests upon the upper surfaces of the lower parts of the belts F, and the ends of the pivots of the said roller work upon and down in vertical slots J' in the side pieces, A. The said roller by its weight keeps the belts F taut.

A cylindrical brush, L, is journaled in the side pieces, A, parallel with the rollers H, the surface of the brush projecting slightly above the plane of the top of the rollers H. By means of screws K' the bearings of the brush

L can be raised or lowered, thus permitting of adjusting the brush when it wears off.

On the outer surface of each side piece, A, a lever, M, is pivoted, the upper ends of the levers being united by a bar, N, and a balancing-weight, O, being held on the lower or free end of each bar. Between the upper ends of the said arms a cylindrical brush, P, is pivoted, the shaft of which carries a grooved pulley, Q, on one end, over which pulley an endless belt, R, passes, which also passes over loose grooved pulleys S on the end of the shaft on which the levers M are pivoted, and over a grooved pulley, T, on one end of the shaft of the brush L, a pulley, U, being mounted on the other end of the said brush-shaft. An endless belt, V, is passed over the pulley U and the pulley E' on the shaft of the drum C.

Stops *a* on the side pieces, A, prevent swinging the levers M and the brush P up too far, and stops *d* prevent the brush from coming in too close contact with the brush L.

The clothes-holder consists of a curved bar, *g*, from which a rod, *h*, projects, having a hook, *l*, on the free end. A roller, *m*, is journaled above and parallel with the drum D, over which roller the garments hang when hooked on the machine and before being drawn through the same. A metal plate, *e*', is secured on the middle of the drum C, for the purpose of striking the hook of the holder and lifting the same so as to disengage it.

The operation is as follows: The drum C is revolved either by hand or by a belt passed around the pulley E' in the direction of the arrow *a'*. The coat *p* or other garment is placed on a coat-hanger bar, *g*, as shown in Fig. 6, and placed on the rollers H in such a manner that the hook *l* of the bar *h* catches on the crook or bend G' of one of the cross-rods G, and the garment is pulled over the machine in the direction of the arrow *b'* and between the brushes P and L, which brush it thoroughly on both sides. The upper brush, P, swings up more or less as the garment passes under it. The garment is pulled over the rollers H to the drum C, and as the rod G turns down over the drum the hook *l* on the rod *h* is disengaged automatically. Any number of garments can be passed through the machine successively, and one garment can be



passed through the machine a number of times until thoroughly cleaned.

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

1. In a brushing-machine, the combination, with a frame, of a cylindrical brush journaled transversely in the same, and of a brush journaled in a swinging frame pivoted on the main frame, substantially as herein shown and described.

2. In a brushing-machine, the combination, with a frame, of revolving brushes, endless belts united by cross-rods, and intermediate rollers, each provided with an annular groove in the middle, substantially as herein shown and described.

3. In a brushing-machine, the combination, with a frame, of revolving brushes, endless belts united by rods having bends or crooks at the middle, and intermediate rollers, each having an annular groove at or near the middle, substantially as herein shown and described.

4. In a brushing-machine, the combination, with the frame A', of the revolving brush L, the pivoted levers M, the revolving brush P, the weights O, and a belt for driving the brush P from the brush L, substantially as herein shown and described.

5. In a brushing-machine, the combination, with the frame A', of the drums C D, the belts F, the brushes L P, the levers M, the weights O, the pulley T on the shaft of the brush L, the pulleys S, and the pulley Q on the shaft of the brush P, substantially as herein shown and described.

6. In a brushing-machine, the combination, with the belt F, having cross-rods G, provided with crooks G', of a clothes-holder provided with a hook, I, substantially as shown and described.

VLADIMIR S. BEKOFSKY.

Witnesses:

J. B. BERNADOU,  
E. LAPVELETT.