

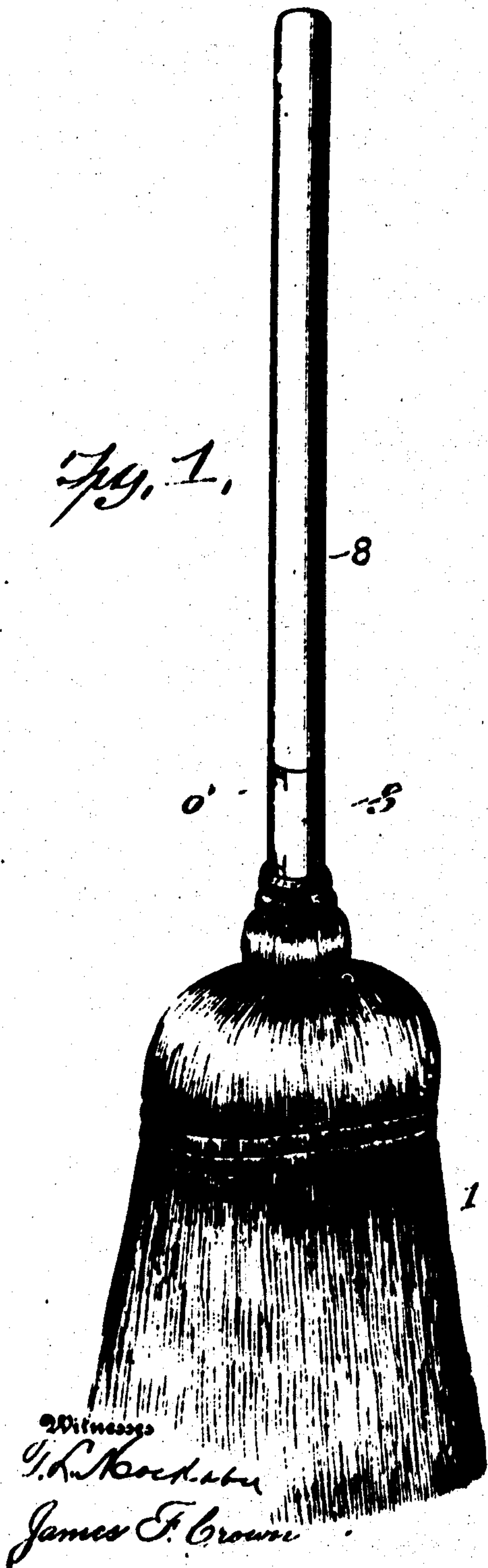
No. 843,507.

PATENTED FEB. 5, 1907.

N. VILLALAZ.  
BROOM.

APPLICATION FILED NOV. 29, 1905.

*Fig. 1.*

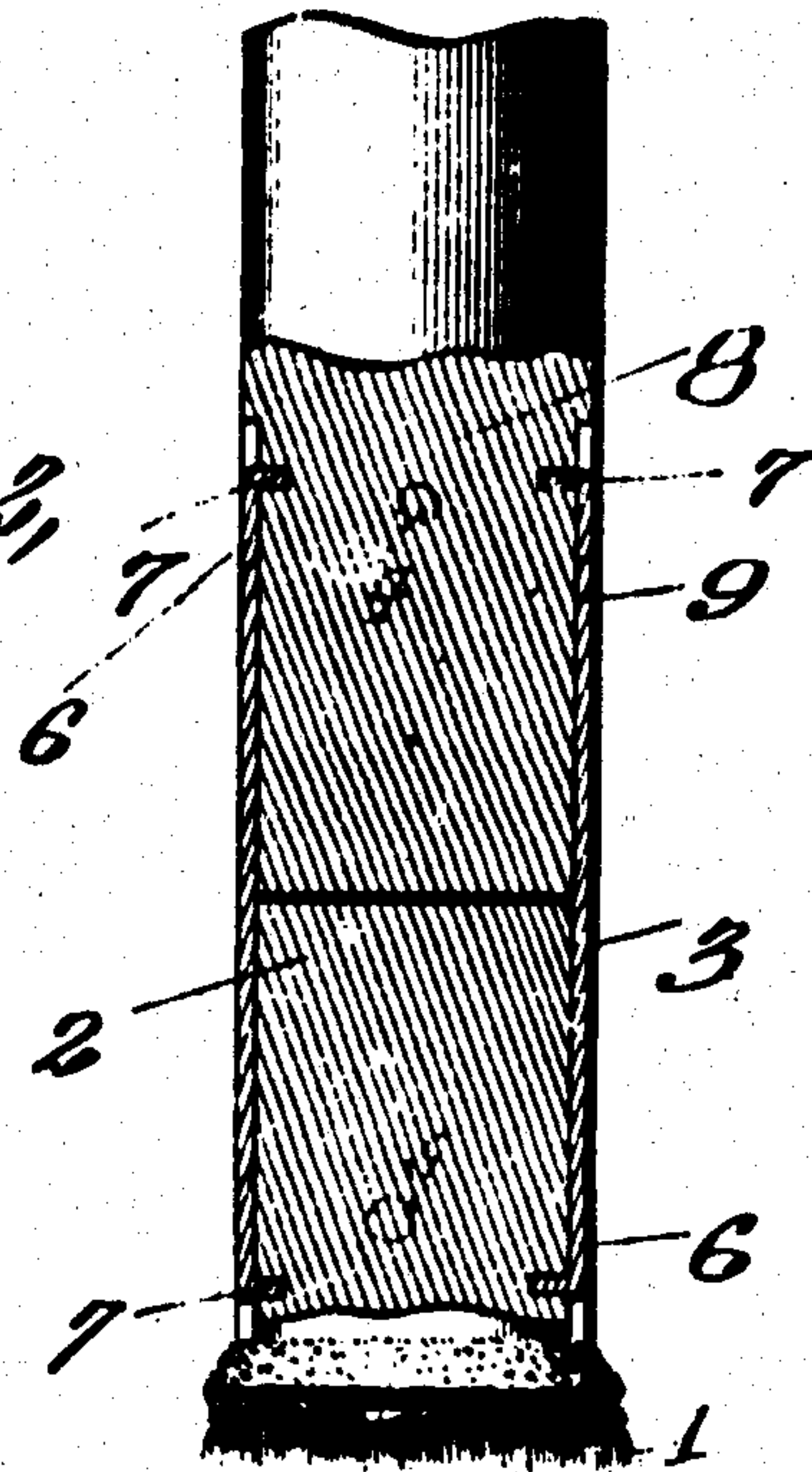


Witnesses

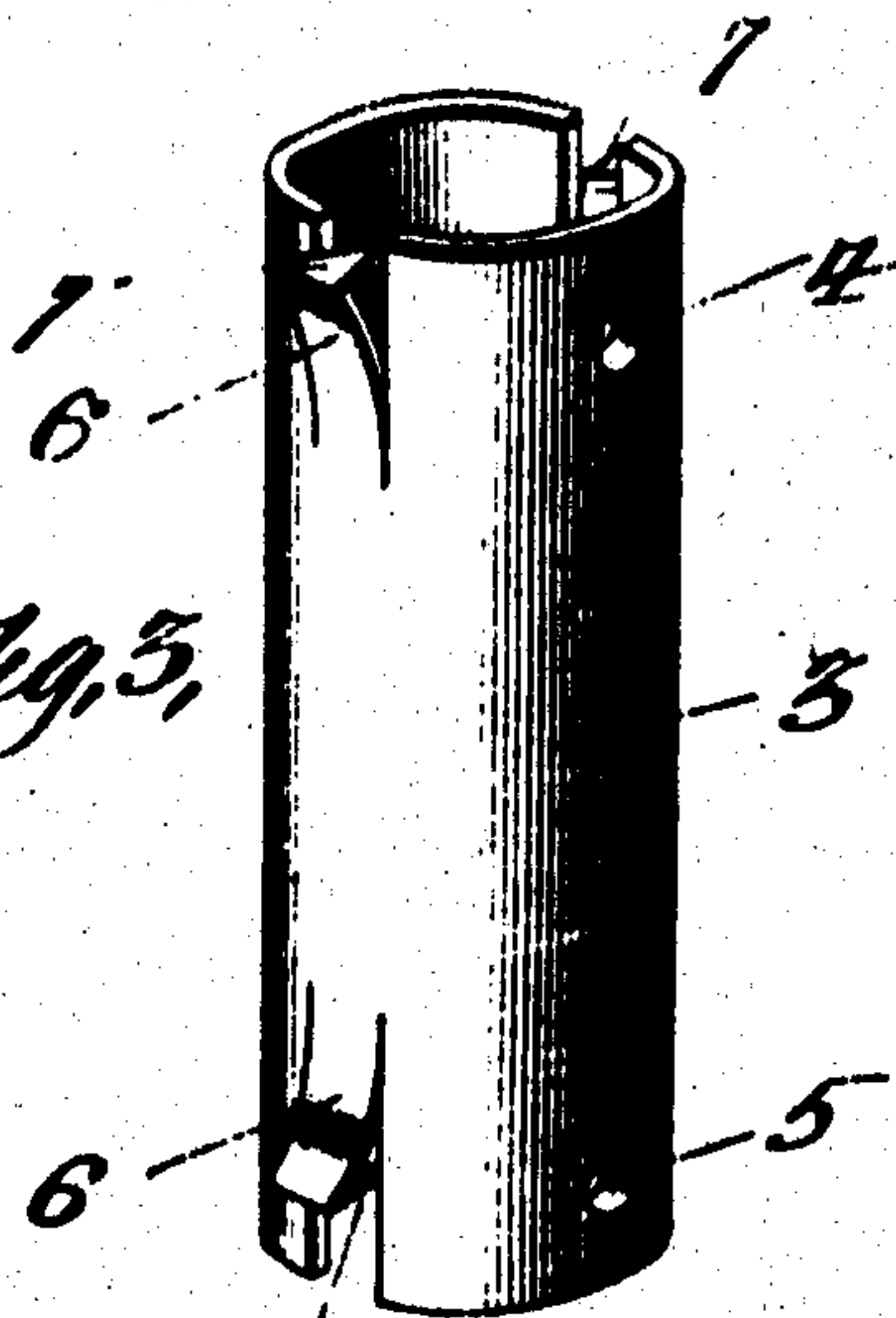
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*Fig. 2.*



*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

NICANOR VILLALAZ, OF PANAMA, PANAMA.

## BROOM.

No. 842,507.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed November 29, 1905. Serial No. 285,703.

To all whom it may concern:

Be it known that I, NICANOR VILLALAZ, a citizen of the Republic of Panama, residing in the city of Panama, Panama, have invented certain new and useful Improvements in Brooms, of which the following is a specification.

My invention relates to new and useful improvements in brooms, and more particularly to the handle construction thereof.

The primary object of the invention is to so form the handle of a broom that it will be possible to construct the same in two parts, so that it can be conveniently shipped, occupying considerably less space than brooms of ordinary construction, and thus reducing to a minimum the freight, express, or other charges incident to shipment.

With the objects above mentioned in view the invention consists in the main of providing the broom-handle near the broom with a short metallic sleeve adapted to receive the lower end of the longer section of the handle and the provision of suitable securing means whereby a tight joint is made in the handle.

In the drawings, Figure 1 represents a perspective view of the broom with the handle attached. Fig. 2 is a partially longitudinal section of the metallic connecting-sleeve and the upper and lower portions of the broom-handle, a portion of the broom and upper part of the broom-handle being in elevation; and Fig. 3 is a detail perspective view of the connecting-sleeve detached, showing more clearly the means which in conjunction with the screws maintain the two parts of the broom-handle rigidly together and prevent the possibility of a loose connection.

Referring to the drawings, numeral 1 represents the straw part of the broom, which does not differ in any way from a broom of ordinary construction. In carrying out my invention I cut the handle off a short distance above the straw, thus presenting a short portion 2. Over this portion I place a metallic sleeve 3, provided, preferably near its upper

edge, with two oppositely-disposed screw holes or apertures 4, which are duplicated near the bottom edge, as indicated by the numeral 5. At opposite sides of the sleeve, 50 at both top and bottom, the metal is cut through for a portion of the length of the sleeve to form oppositely-disposed tangs 6, whose ends are turned over to form spurs 7, the purpose of which will presently become 55 apparent.

The numeral 8 designates the upper part of the handle, which I preferably slightly reduce at its lower end, as indicated at 9, so when its lower end is inserted in the upper 50 part of the connecting-sleeve the sleeve will be flush with the handle. When the sleeve is slid upon the short portion 2 of the handle and securely fastened by means of the opposite screws, the lower tangs are then driven 65 inwardly, projecting the spurs into the wood of the handle, and thus obviously making a very secure connection. The manner of attaching and folding the upper part of the handle within the upper part of the casing is 70 identical with that just described.

I claim—

A fastening device for broom-handles formed of a plurality of parts or sections, comprising a metallic sleeve fitting over the 75 ends of the handle parts or sections, and having tangs and spurs formed by cutting the metal of the sleeve at either end as described, the spurs being adapted to be driven or forced into the wood of the handle parts or 80 sections, the said sleeve being also provided with apertures for the passage of fastening devices such as screws or nails which act in conjunction with the spurs to hold the handle parts or sections firmly together, substantially as described.

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

NICANOR VILLALAZ.

Witnesses:

MARION E. MITCHELL  
A. M. BURTT.