

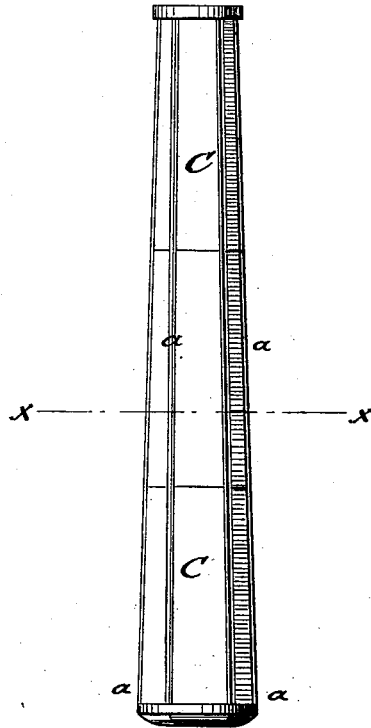
F. J. KALDENBERG.

UMBRELLA HANDLE.

No. 190,496.

Patented May 8, 1877.

*Fig: 1.*



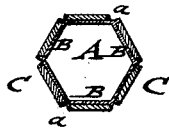
*Fig: 3.*



*Fig: 4.*



*Fig: 2.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

F. JULIUS KALDENBERG, OF NEW YORK, N. Y.

## IMPROVEMENT IN UMBRELLA-HANDLES.

Specification forming part of Letters Patent No. 190,496, dated May 8, 1877; application filed January 19, 1877.

*To all whom it may concern:*

Be it known that I, F. JULIUS KALDENBERG, of the city, county, and State of New York, have invented a new and Improved Umbrella-Handle, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved umbrella-handle; Fig. 2, a horizontal section of the same on line *xx*, Fig. 1; and Figs. 3 and 4 are detail vertical transverse sections, respectively, of the guide-piece and facing.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved construction of handles for umbrellas, parasols, canes, whips, carving knives and forks, &c., by which the same may be made with facings of mother-of-pearl, tortoise-shell, ivory, or other material, in a strong, cheap, and elegant manner, without being liable to injury and breakage, as the present style of mother-of-pearl handles.

The invention consists of a tubular core, with longitudinal or other guide-ribs, and sliding panels or facings of mother-of-pearl or other material.

In the drawing, A represents a metallic shell or core, which is preferably made of tapering and polygonal shape, and of as many sections B as there are sides. The sections B are provided with bent-up guide-strips *a* at both sides, and are soldered together at the edges, as shown in Fig. 2.

The tubular shell A may also be stamped of one blank, with slots at the corners, through which the guide strips are projected, to be then soldered into place; or any other method of forming the shell or core may be employed, provided it shows the side guide-strips *a*.

The guide-strips are arranged at such angle as to bear on the sides of the dovetailed panels or facings C of mother-of-pearl, inlaid tortoise-shell, or other suitable material, which are made of the required size, and then slid in, and driven up to be securely held in position by the guide-strips. They are finally re-

tained by a disk or button at the thick end, and by a collar at the opposite end, as shown in Fig. 1.

The panels or facings C are by the guide-strips protected against splitting or other injury on dropping the umbrella or parasol, while any broken panel may be readily replaced by removing the adjoining facings and inserting a new piece of corresponding size, which is impossible in the present handles, in which the mother-of-pearl is cemented on a strip of veneer, that is again cemented to a metal core or tube. The handles so constructed of veneers are very liable to be injured by dropping the same, as the meeting-edges of the mother-of-pearl panels split or break by contact with harder bodies, so as to make these handles very objectionable for use.

By my method a stronger, cheaper, and more ornamental handle is obtained, as the small spaces between the guide-strips of two adjoining sections may be filled up with a metallic filling of any color or shape, and thereby a superior appearance and finish imparted to the handles, so as to adapt them also for cutlery and other purposes.

The guide-sections are not necessarily required to run in longitudinal direction, but may also be placed spirally or otherwise on the shell or core, the facings being slipped in in similar manner, and retained by the guide-strips, admitting thus of a great variety of designs. The design herein shown I purpose to make the subject of an application for a design patent.

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

A polygonal handle whose ornamental panels C are held on tapering sections by tapering guide-strips *a*, together with a button at one end and a collar at the other end, substantially as and for the purpose specified.

F. JULIUS KALDENBERG.

Witnesses:

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C. SEDGWICK.