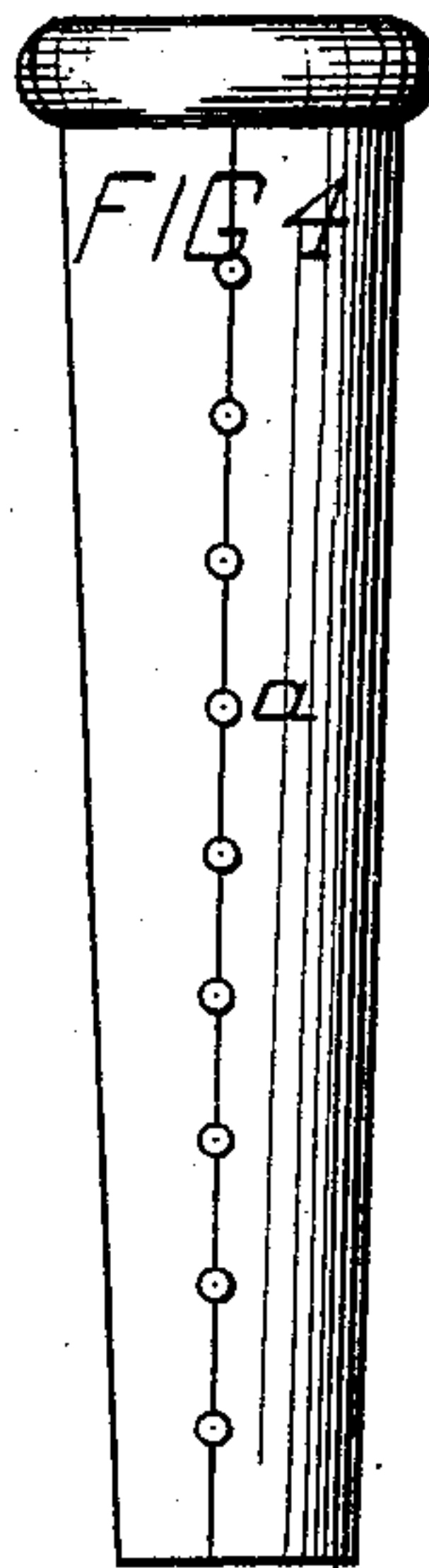
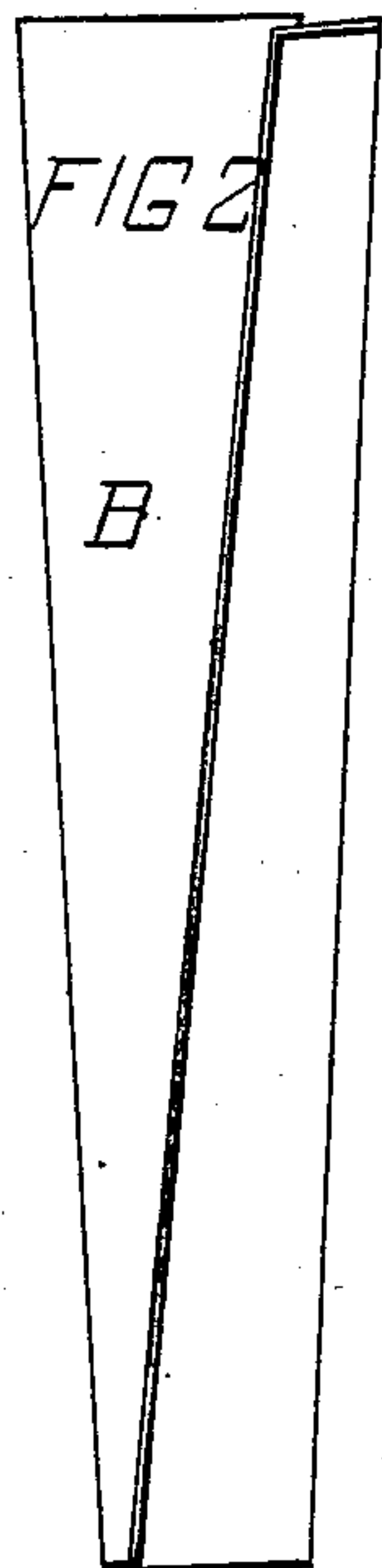
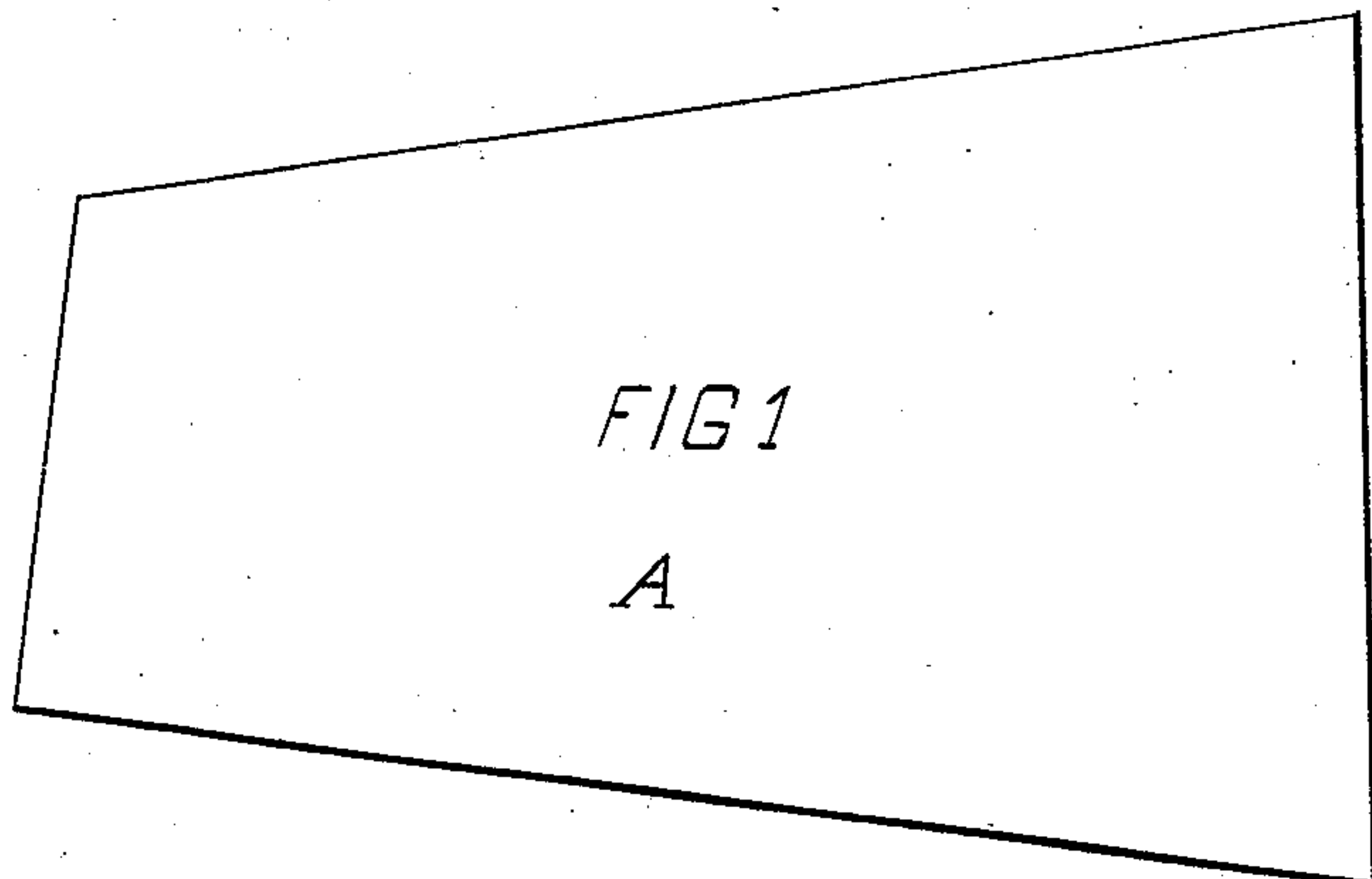


L. SCHNEIDER.
Umbrella-Handle.

No. 164,220.

Patented June 8, 1875.



WITNESSES

A. F. Walter
A. B. Peterson

INVENTOR

Louis Schneider
by Francis D. Eastman
Atty

UNITED STATES PATENT OFFICE.

LOUIS SCHNEIDER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN UMBRELLA-HANDLES.

Specification forming part of Letters Patent No. **164,220**, dated June 8, 1875; application filed January 21, 1875.

To all whom it may concern :

Be it known that I, LOUIS SCHNEIDER, of Philadelphia, Pennsylvania, have invented Improvements in the Manufacture of Horn Handles, of which the following is a specification :

The invention relates to a cane, umbrella, or other handle, which consists in the combination of a casing made of the thin hollow part of the horns of cattle, with a wooden or other former.

Heretofore, only the solid part of horns has been used in the manufacture of handles, the thin or hollow part being thought useless for that purpose.

Figure 1 is a view of a developed piece of the hollow portion of a horn, cut to the required size and shape. Fig. 2 is a view of the developed horn shown at Fig. 1 previous to being made into a handle. Fig. 3 is a view of the perfected handle, with a likeness or design showing through the transparent horn. Fig. 4 is a view showing a method of fastening the sides of the horn in forming the perfect handle. Fig. 5 is a bottom view of Fig. 3, showing the former or core.

The solid portion of the horn is first cut off, and the hollow or shell portion, after being properly softened, is slit and developed in a sheet, and afterward cut into blanks of any required size and shape A, Fig. 1, for bending as shown at B, Fig. 2. When in a soft pliable

state, the shell is pressed over a wooden or other former or core, C, Fig. 5. The sides can either overlap, or, being previously scarfed, make a smooth even joint, which is held by pins *a*, cement, or other known means.

The former or core, to make a perfect finish, should extend the length of the handle. It can be of any transverse section. The horn, when soft, readily assumes the shape of the former or core, which determines its external appearance.

When the horn is made transparent, it can be relieved by a picture, lettering, or design made in the horn on the former or core C, or on any material wrapped around the former or core which will show through the horn, as shown at D, Fig. 3.

I claim as my invention—

As a new article of manufacture, a handle for canes, umbrellas, or parasols, consisting of a casing of the thin or shell part of horn, in combination with a wooden or other suitable core or former, substantially as shown and described.

In testimony whereof I hereunto sign my name in presence of two subscribing witnesses.

LOUIS SCHNEIDER.

Witnesses:

FRANCIS D. PASTORIUS,
H. W. GRAY.