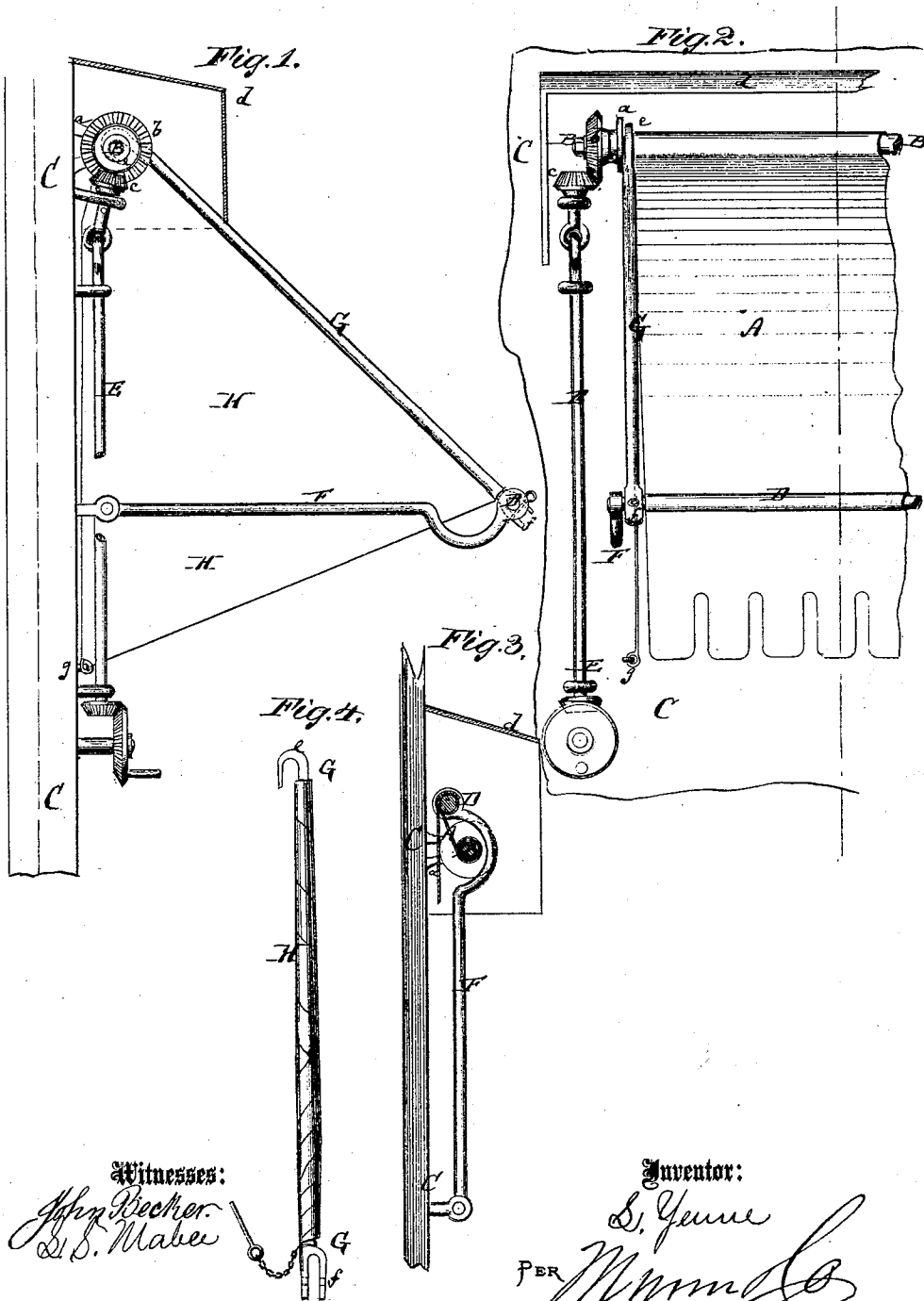


L. Yenne,

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No. 102,642.

Patented May 3, 1870.



UNITED STATES PATENT OFFICE.

LOUIS YENNE, OF NEW YORK, N. Y.

IMPROVED ADJUSTABLE AWNING-FRAME.

Specification forming part of Letters Patent No. **102,642**, dated May 3, 1870.

To all whom it may concern:

Be it known that I, LOUIS YENNE, of the city of New York, in the county and State of New York, have invented a new and Improved Adjustable Awning-Frame; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a side view of my improved awning-frame. Fig. 2 is a detail front view of the same. Fig. 3 is a transverse section of the same, showing it folded together. Fig. 4 is a detail side view of a side brace of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new awning-frame so constructed that it can readily be expanded or folded together, with a view of preserving the awning and all the material connected therewith.

The invention consists chiefly in the application of rollers and braces, and in combination with the same of toothed wheels and upright shafts for operating the rollers, all as hereinafter more fully described.

The awning A is secured with its rear end to a shaft, B, which has its bearings in ears *a*, that project from the building or structure C to which the awning is to be applied. The outer or front end of the awning is secured to a roller or bar, D, which is as long or slightly longer than the awning.

Upon one end of the shaft B is mounted a bevel-gear wheel, *b*, which meshes into the

teeth of a similar wheel, *c*, on a vertical shaft, E, as shown. The shaft E can, by suitable gearing or directly, be conveniently reached from the floor or street, and will as it is revolved wind up or unwind the awning. When the same is wound up it will be protected by a fixed shield or guard, *d*, as shown in Fig. 3.

The roller or bar D is supported in the front ends of braces F, that are pivoted to the building or structure C. When the awning is stretched, as in Fig. 1, the braces F will be nearly horizontal. When the awning is wound up, as in Fig. 3, they will be nearly vertical, as shown.

In order to apply still more powerful strengthening-braces, metal rods G G are employed. They have hooks *e* at their upper ends and clasps *f* at the lower. They are hooked over the shaft B and clasped to the roller D, as shown in Fig. 1, and prevent the roller D from being elevated by storm or otherwise. The braces G may also serve to hold triangular side pieces, H, of the awning, the lower ends of said side pieces being, by means of hook and eye *g*, fastened to the building. When the awning is to be folded together the braces G must first be removed.

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

The combination of shafts B E, ears *a*, roller D, pivoted braces F G, having hooks and clasps *e f*, and the bevel-gear *b c*, all constructed and arranged as and for the purpose described.

LOUIS YENNE.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.