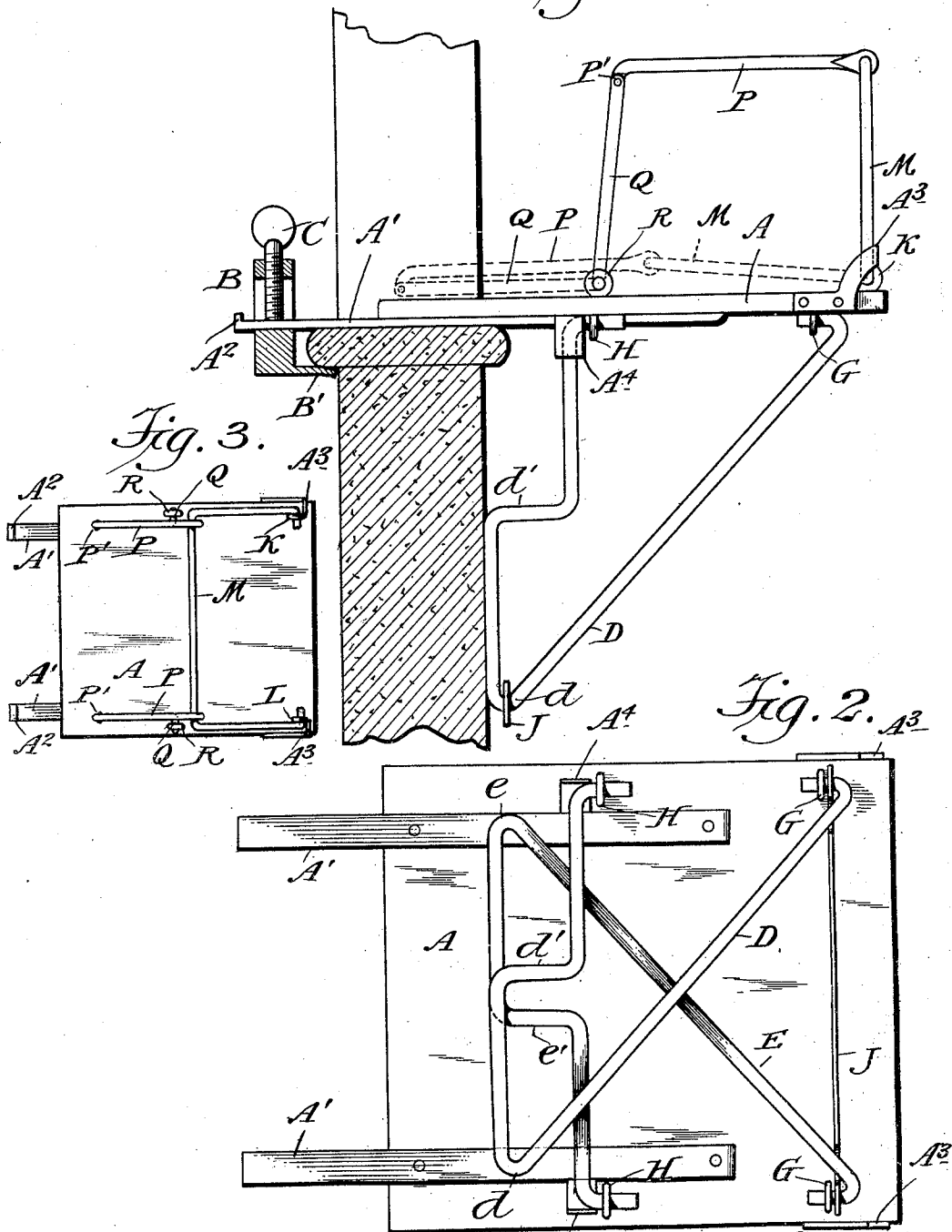


No. 818,484.

PATENTED APR. 24, 1906.

H. P. TERRY.
WINDOW CLEANING PLATFORM.
APPLICATION FILED SEPT. 18, 1905.

Fig. 1.



Witnesses
A. R. Spelman.
Elvira Rasmussen.

Inventor
H. P. Terry
By his Attorney
James D. S. S. S.

UNITED STATES PATENT OFFICE.

HOWELL P. TERRY, OF ELIZABETH, NEW JERSEY.

WINDOW-CLEANING PLATFORM.

No. 818,484.

Specification of Letters Patent.

Patented April 24, 1906.

Application filed September 18, 1905. Serial No. 278,884.

To all whom it may concern:

Be it known that I, HOWELL P. TERRY, a citizen of the United States, residing in Elizabeth, in the county of Union and State of New Jersey, have invented a certain new and useful Improvement in Window - Cleaning Platforms, of which the following is a specification.

The device may be used for many other purposes, but is intended mainly to serve by being temporarily set to project at the base of a window and allow a man or woman to either sit or stand thereon in effecting all the movements required to wash and rub or wipe the outer surfaces of the window. It belongs to the class which allows it to be easily thrust out from within the building on simply opening the window. It requires no special construction or preparation of any portion of the window or any adjacent part. It folds easily into a small flat parcel.

The peculiarities lie in details of its construction which make it specially safe, easy to adjust for use, and to again restore to the compact condition for storage, and allow it to be made and sold at a moderate cost.

The following is a description of what I consider the best means of carrying out the invention.

The accompanying drawings form a part of this specification.

Figure 1 is an elevation showing my apparatus adjusted for use with a section of a portion of the wall of a building. Fig. 2 is a plan view seen from below and the legs folded. Fig. 3 is on a smaller scale. It is a plan view corresponding to Fig. 2 seen from above.

Similar letters and marks of reference indicate like parts on all the figures where they appear.

A is a base, of wood; A' A', parallel bars of low steel extending beyond what is in use the inner edge, secured to the under face, and B B clamps having each a toe B' and a thumb-screw C ready to be easily and strongly applied on the projecting ends of such base. They can be adjusted with any degree of nicety. In use these bars extend from the base outside inward through the bottom of the open window, and the clamps extend downward at points which should vary with the thickness of the wall of the buildings. The extreme inner end of each bar A is formed with a slight enlargement A², which serves as a safety-stop in the possible case that the use

shall ever be attempted without properly tightening the screws C.

The under face of the base carries two pairs of eyes, one pair G near the outer edge and the other, H, farther inward toward the building. D and E are folding legs adapted to turn in these eyes and when extended to strongly and stiffly support the base. Each leg is formed with an offset *d'* and *e'*, respectively, which allows it to bear fairly against the outer face of the building without necessarily touching the window-base. The legs are a little bent laterally, as indicated by the shading in Fig. 2. In folding, the leg E is first folded and then the other leg D is folded by reason of its bent condition matches to the leg E, so as to be parallel to base.

A⁴ A⁴ are stops on the under face of the base arranged to prevent the legs from being opened too far.

J is a light movable tie-rod having an eye at each end engaging each with a leg. When the device is to be packed for storage or transportation, this tie is slipped along on the respective legs to a position adjacent to the outermost eyes. This allows the legs to be folded and unfolded freely.

When the device is to be used, it may be brought in the folded condition, the legs unfolded, and the tie-bar J slid along on each leg to the angle *d* and *e*, which form the lowest points when in use. Then the clamps B are applied, if they have not been kept on the bars during the storage period, which latter is always preferable when the device is many times reused on the same windows, and the window being opened the device is thrust out and lowered till the bars bear on the window-sill. The clamps, if not already positioned, are slacked and adjusted outward or inward on the bars B and the screws C tightened. The construction allows the legs to find a long bearing fairly against the building from the lowest point *d* up to the offset *d'* and from *e* to the offset *e'*, respectively.

I provide a very simple folding frame on the upper face of the base to insure the safety of the operator who sits or stands there in working.

K and L are eyes set in the base, and M is a yoke having its ends engaged in these eyes and free to turn a quarter-revolution or until it meets stout stops A³, which arrest it in the upright position.

P are links taking hold of the yoke M at the

points shown, with liberty to turn, and connected by knuckles P' with the upper ends of light levers Q, the lower ends of which latter engage in the eyes R. The inner ends of the
 5 links P are bent down near the knuckles, making a smoothly-rounded corner when in use and allowing the parts to fold compactly when desired.

The same setting of the clamps B will usually serve for all the windows of a flat or of an entire building. The same construction with adjustments will serve for all ordinary windows.

Modifications may be made without departing from the principle or sacrificing the advantages of the invention. Parts can be used without the whole. The construction will be very useful without the parts K, L, M, and P. Collars (not shown) may be provided on the yoke Q to keep the links P in place.
 20

I claim as my invention—

1. In a device of the character described, a portable window-cleaning platform A, means
 25 for holding it strongly to a window-base, and folding legs D E and a sliding tie J combined and adapted to serve substantially as herein specified.

2. In a device of the character described, a
 30 portable window-cleaning platform, means for holding it strongly and adjustably to a window-base, comprising bars and adjustable clamps, folding legs and a sliding tie carried on such legs, all combined and adapted
 35 to serve substantially as herein specified.

3. In a device of the character described, a

portable window-cleaning platform and means for holding it to a window-base, comprising bars adapted to extend inward through a window-opening, adjustable clamps on
 40 such bars adapted to engage the interior of the building, a safety-stop A² on such bars, legs carried on the under face of the platform adapted to be extended and bear fairly against the building or be folded close to the
 45 base and a sliding tie on such legs in combination with each other and with stops, all arranged to serve substantially as herein specified.

4. In a device of the character described, a
 50 portable window-cleaning platform, means for holding it to a window-base, comprising bars adapted to extend inward through a window-opening, adjustable clamps on such bars adapted to engage the interior of the
 55 building, a safety-stop A² on such bars, legs carried on the under face of the platform adapted to be extended so as to bear fairly against the building and to be folded and lie close to the base and a sliding tie on such legs,
 60 in combination with each other and with the stops, the collapsible yoke, links and levers, all adapted to serve substantially as herein specified.

Signed at the city of New York, in the
 65 county of New York and State of New York, this 14th day of September, A. D. 1905.

HOWELL P. TERRY.

Witnesses:

LOUIS F. BRAUN,
 ELVIRA RASMUSSEN.