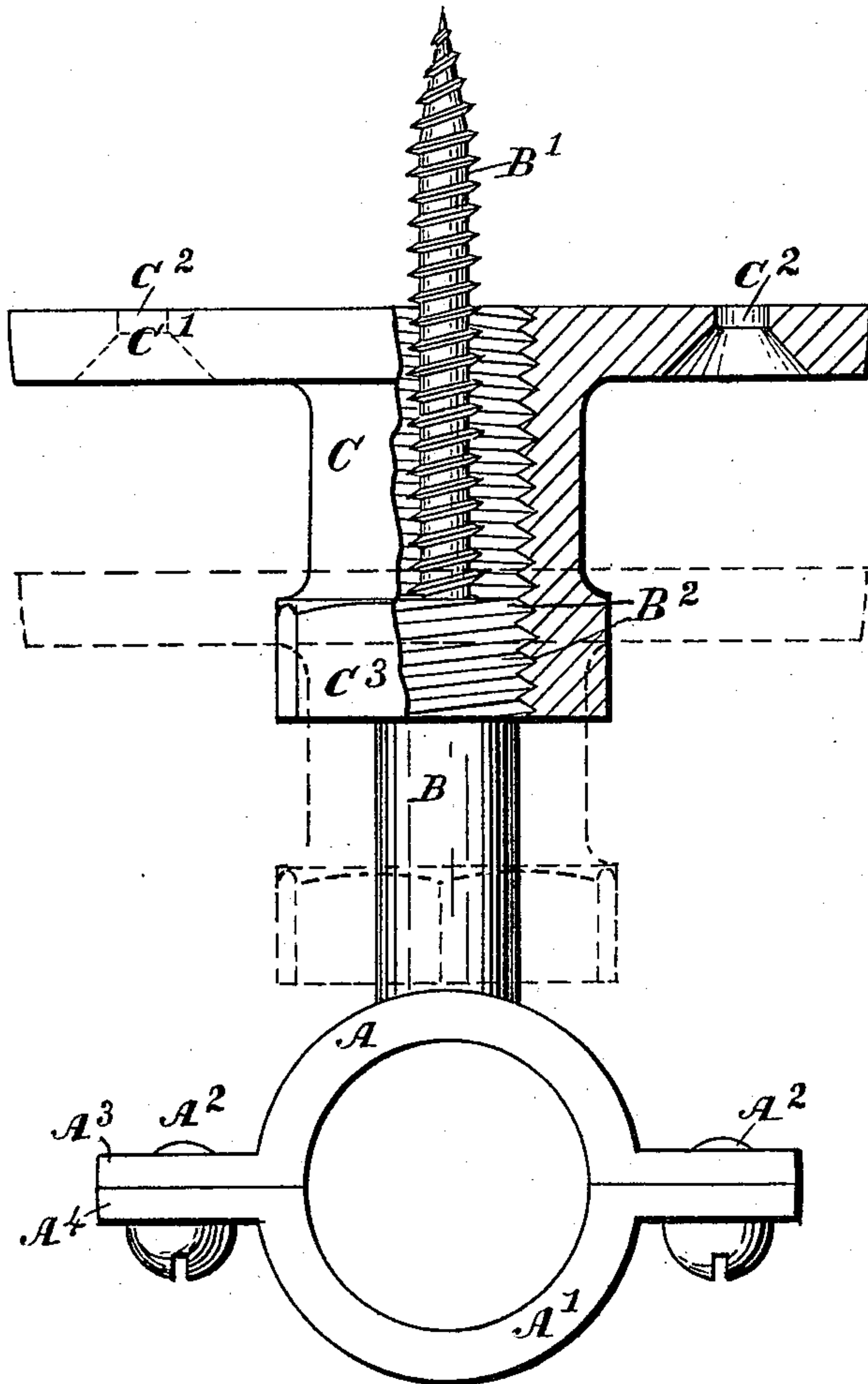


(No Model.)

W. H. MACK.
ADJUSTABLE PIPE HANGER.

No. 583,709.

Patented June 1, 1897.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. MACK, OF BROOKLYN, NEW YORK.

ADJUSTABLE PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 583,709, dated June 1, 1897.

Application filed June 28, 1895. Serial No. 554,375. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MACK, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Adjustable Pipe-Hangers, of which the following is a specification.

This invention relates to adjustable hangers, and its object is to provide a simple and inexpensive form of construction of an adjustable hanger by means of which the pipe which it is intended to carry can be given a drainage pitch with reference to the wall or other support to which the pipe is connected or its relative position therewith be otherwise adjusted as may be desired.

My invention consists in providing the ring part of the hanger with a stem having its end portion threaded with a wood-screw thread and its central portion having a machine-screw thread, and to which an internally-threaded standard is fitted, and that by the adjustment of its position upon the stem of the hanger an adjustment of length may be obtained nearly equal to the height of the standard.

The purposes and advantages of my invention will be more fully understood and explained by reference to the accompanying drawing, in which the ring A represents a metal band within which the pipe which the device is intended for is placed. The ring A is provided with the stem portion B, having its end part B' threaded with a wood-screw thread of ordinary screw-thread construction. The middle section of the stem B is threaded with a machine-screw thread B², of a larger diameter than the wood-screw portion B' and preferably of the same pitch as the latter. The standard C is internally threaded throughout and adapted to fit the middle threaded portion B² of the stem of the hanger, so that by the manipulation of the same up or down upon the stem any degree of adjustment or position thereon may be attained, as indicated by the dotted lines. The standard C is provided with a flange or base C', which is integral therewith and which is provided with screw-holes C² C². The standard C also has its lower extremity C³ made of a hexagonal shape, by means of which the

standard may be screwed up tightly into position when the device is made as shown in the drawing and when the hanger is secured to the wall.

The ring portion of the hanger is made open-jointed and the cap part A' is secured to the ring portion A by means of screws A² A², both the cap A' and the ring A being provided with ears A³ A⁴ to admit of this being done.

The operation of my invention will now be described. When a line of pipe is to be secured to a wall or the like, each hanger is screwed into the woodwork thereof by means of the screw-threaded portion B', being manipulated by turning the ring portion A with the fingers or a wrench or other tool. When the proper distance between the ring and the wall is attained to give the pipe the requisite pitch or slope as may be required, the standard C is then turned around, so as to screw its base tightly against the wall, after which the standard may be itself secured to the wall by screws inserted through the screw-holes C² C² in the ordinary way. The wood-screw-threaded portion B' of the stem B of the hanger is ordinarily sufficiently strong to retain the pipe in position, but the additional security given by the standard C when screwed against the wall adds to the strength of the screw B' on account of the rigidity and brace-like effect given thereto, and especially when the standard is itself attached to the wall by means of the additional screws which are placed in the holes C² C² of its base.

By having the wood-screw portion and the machine-screw section both of the same pitch of thread the hanger can be screwed or unscrewed, as required, even while the standard itself is screwed firmly to the wall and without tearing away the wood around the thread of the wood-screw portion. In other words, the thread formed within the woodwork by the screw-threaded portion of the stem remains intact notwithstanding that the hanger may be screwed or unscrewed therein when the standard is screwed to the wall, thus retaining all of the advantages of strength and adjustment characteristic of such a form of construction.

The advantages of having the ring open-jointed are that the hangers can be arranged in position upon a wall and the pipe inserted

subsequently and secured therein by screwing down the caps thereon afterward.

By the use of my improvement it can be seen that I provide a cheap and simple form of construction of an adjustable hanger that meets all the requirements, no matter what the conditions under which it may be necessary to secure a line of pipe to a wall or other support.

10 What I claim, and desire to secure by Letters Patent, is—

In an adjustable pipe-hanger, a ring having a stem provided with a wood-screw-threaded

portion and a machine-screw-threaded section, both of which are of the same pitch, in combination with a standard internally threaded and fitted to the stem; substantially as specified.

Signed at New York, in the county of New York and State of New York, this 27th day of June, A. D. 1895.

WILLIAM H. MACK.

Witnesses:

THOMAS F. ROCHE,
FERDINAND SCHMIDT.