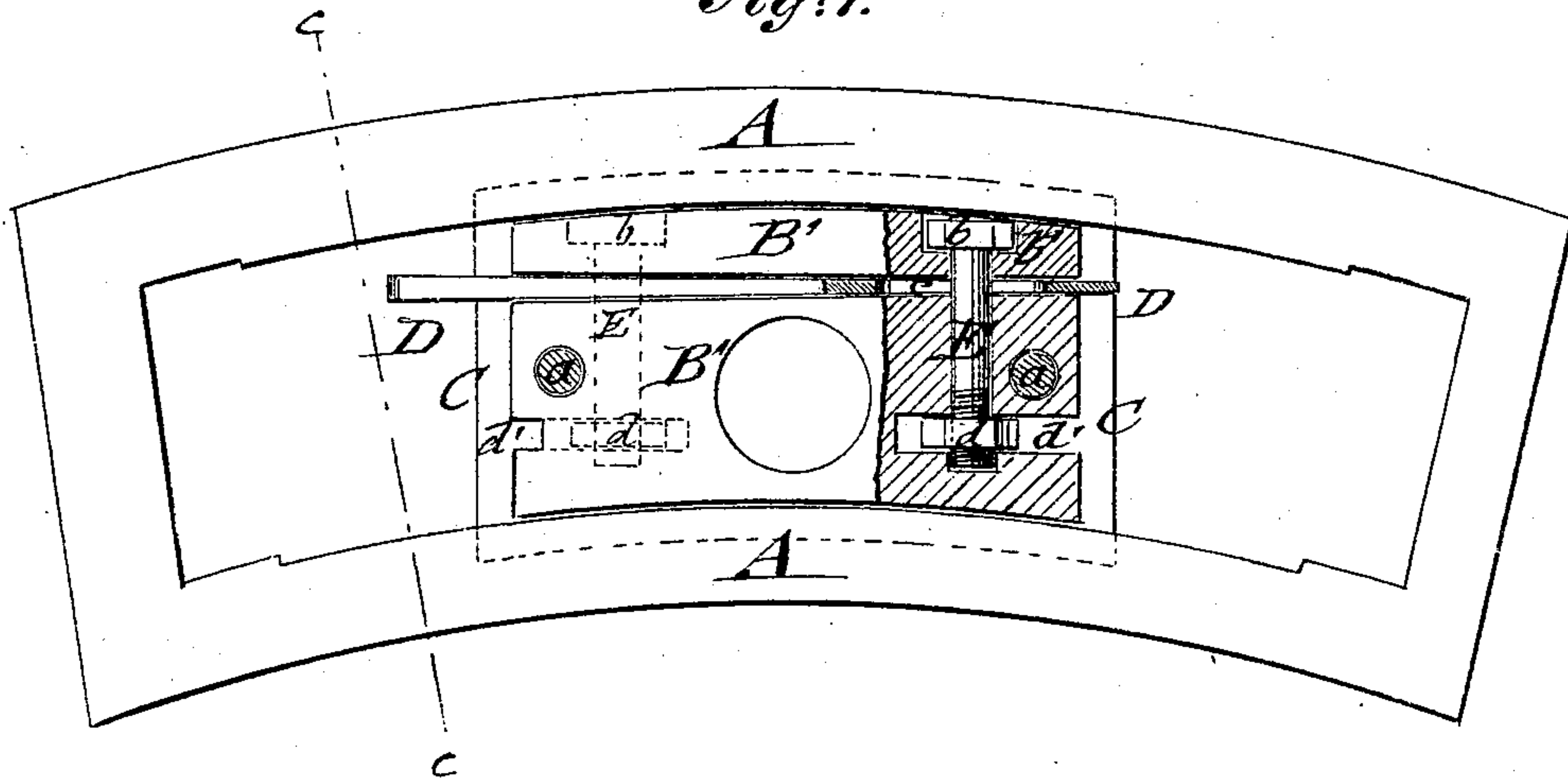


**W. A. ALEXANDER.**  
**Link-Blocks for Locomotives.**

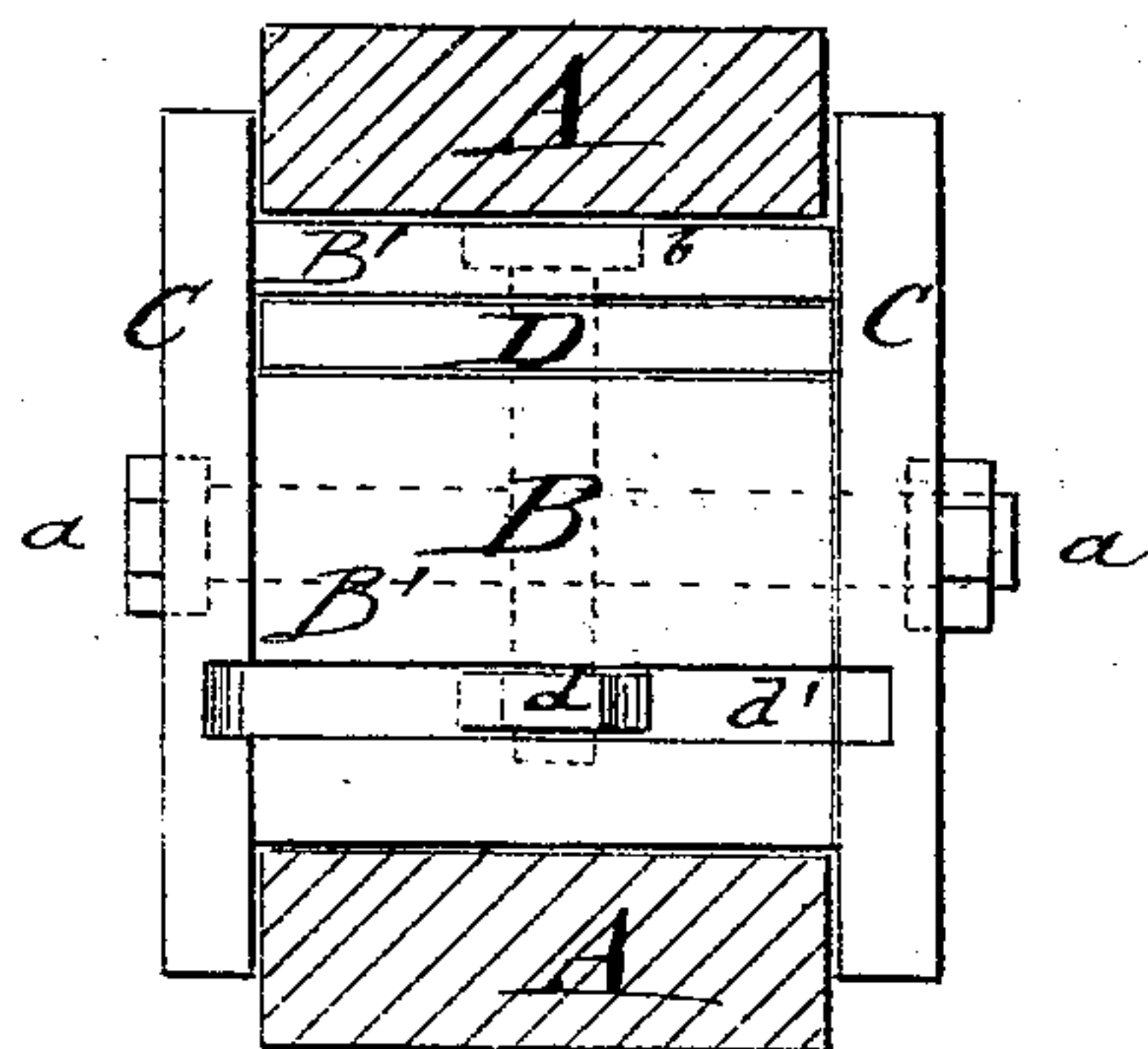
No. 152,268.

Patented June 23, 1874.

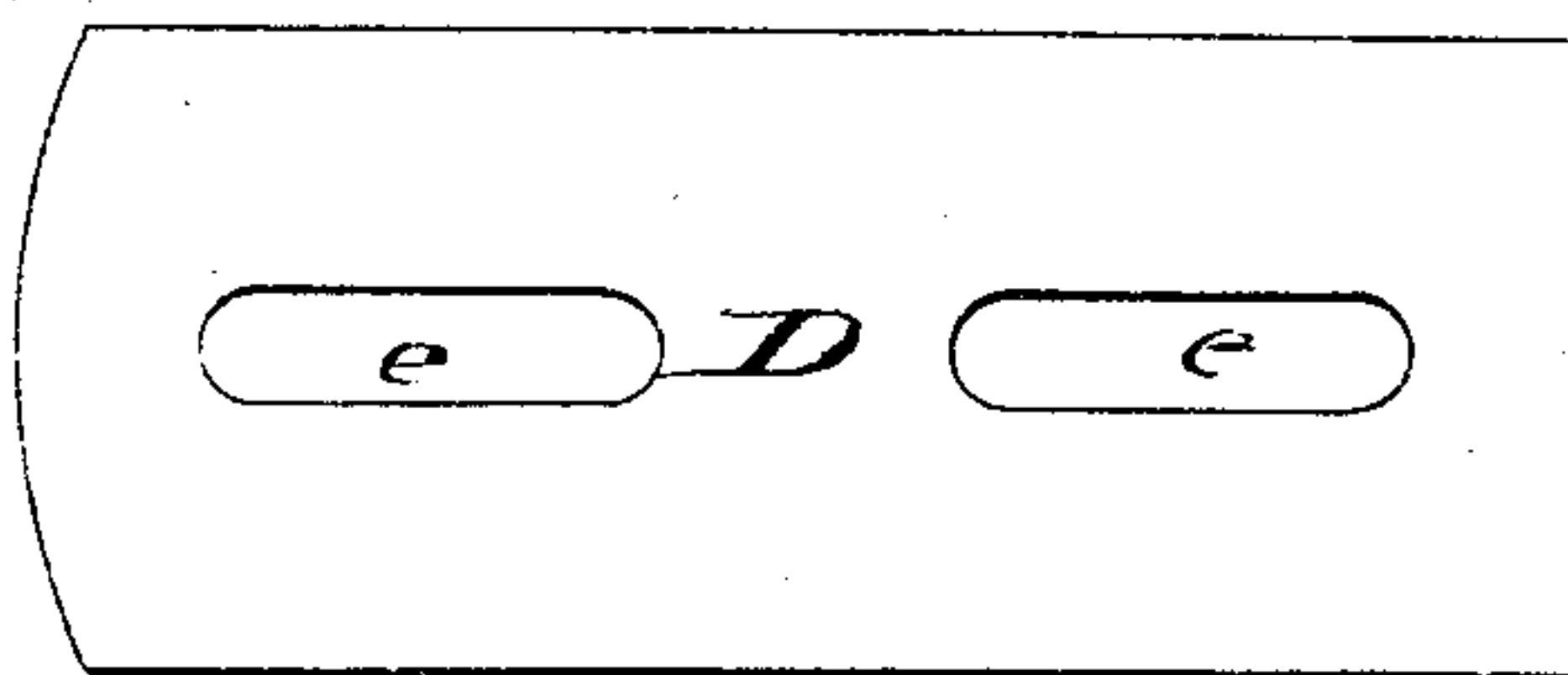
*Fig: 1.*



*Fig: 2.*



*Fig: 3.*



**WITNESSES:**

*Chas. Nida*  
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**INVENTOR:**

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# UNITED STATES PATENT OFFICE.

WILLIAM A. ALEXANDER, OF MOBILE, ALABAMA.

## IMPROVEMENT IN LINK-BLOCKS FOR LOCOMOTIVES.

Specification forming part of Letters Patent No. **152,268**, dated June 23, 1874; application filed May 16, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM A. ALEXANDER, of the city of Mobile, in the county of Mobile and State of Alabama, have invented a new and Improved Link-Block for Locomotives, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation, partly in section, of my improved link-block for locomotives and other engines using the link motion. Fig. 2 is a vertical transverse section of the same taken on the line *c c* of Fig. 1; and Fig. 3 a top view of the wedge-piece detached.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish for the link motion of locomotive-engines an improved adjustable link-block, which will produce a tight fit of the block and link, and wear the link equally, so that the expensive job of turning out the link will be avoided and a durable and inexpensive link motion obtained. My invention consists of a link-block made of two parts, with an intermediate adjustable slotted key, which are connected by screw-bolts and nuts.

In the drawing, A represents the link; B, the link-block, which is guided therein in the usual manner for governing the cylinder-valves. Link-block B is guided by face-plates C, which extend over the face of the link and are attached to the block by lateral screw-

bolts. The link-block is not constructed of one solid piece, as ordinarily the case, but composed of two longitudinal parts, B', whose adjoining sides are produced under suitable inclination for the introduction and close fitting of the wedge-piece D. Screw-bolts E connect both parts B', their heads *b* being countersunk into recesses *b'* of one part B', while their threaded ends, with screw-nuts *d*, are adjusted by a wrench introduced through slotted recesses *d'* of the other part B'. The wedge-piece D has longitudinal elongated slots *e* for sliding along the connecting-bolts E. It is adjusted from time to time, and forces the block parts closely on the link, producing equal wearing over the whole surface of the same. If the wedge is driven in to its full extent, the insertion of an intermediate piece of slotted sheet-iron will give sufficient additional feed for a complete fitting of the block and link.

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

The combination, with the longitudinally-divided parts of the link-block, of screw-bolts E and a slotted wedge-piece interposed between said parts of the block, substantially as shown and described.

WILLIAM A. ALEXANDER.

Witnesses:

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