

(No Model.)

R. P. TICKLE.
STEREO MOUNT.

No. 434,812.

Patented Aug. 19, 1890.

Fig. 1.

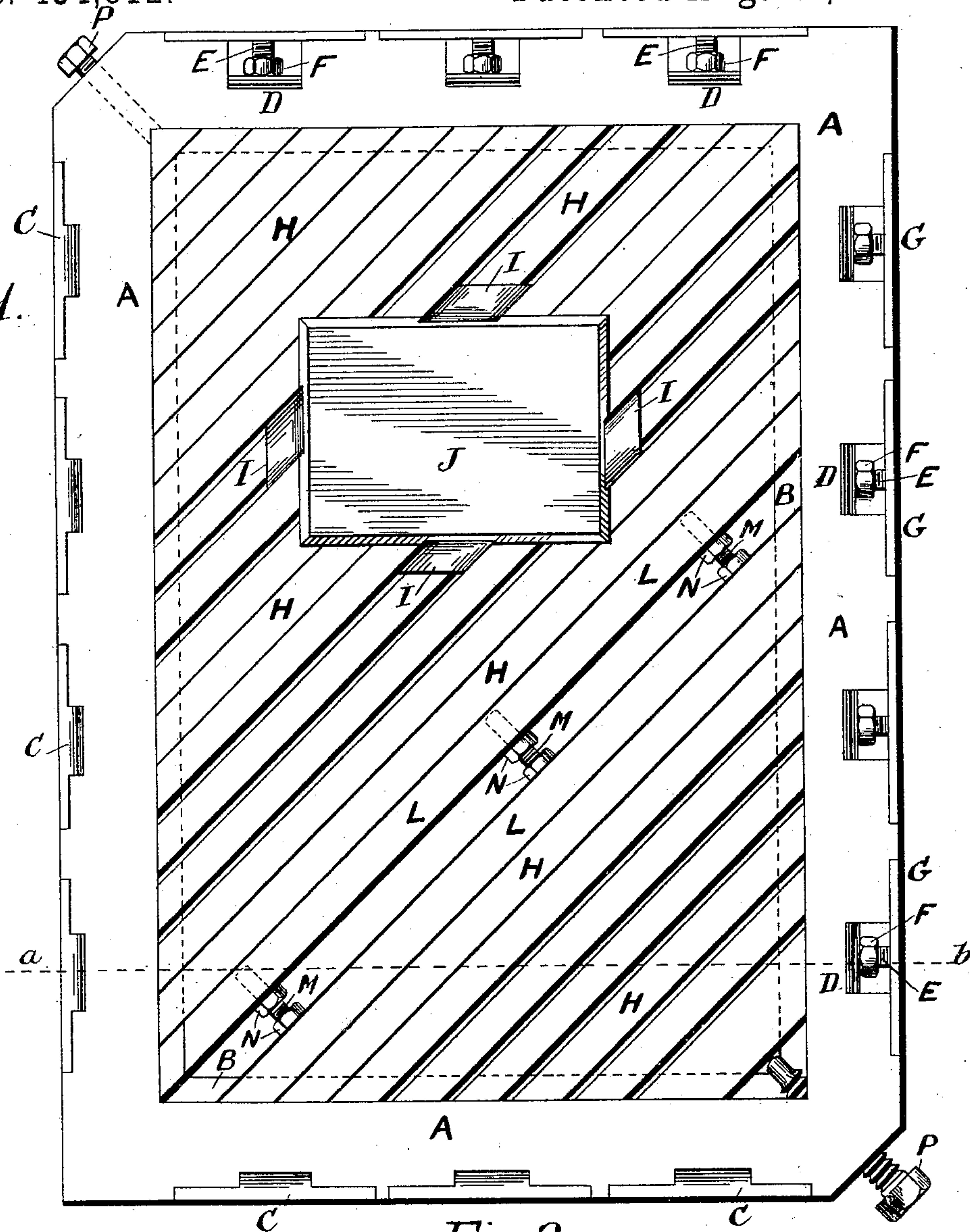


Fig. 2.

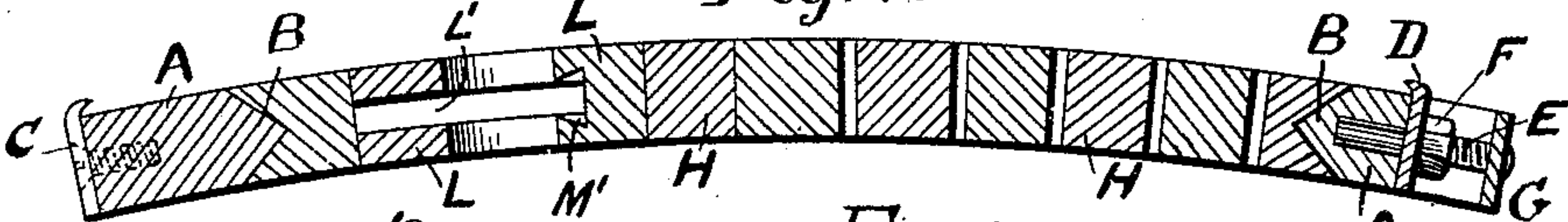


Fig. 3.

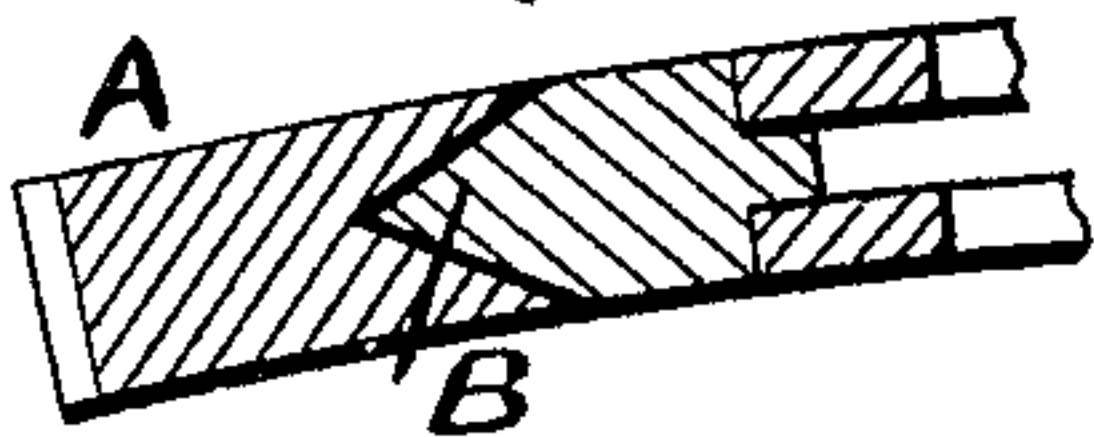
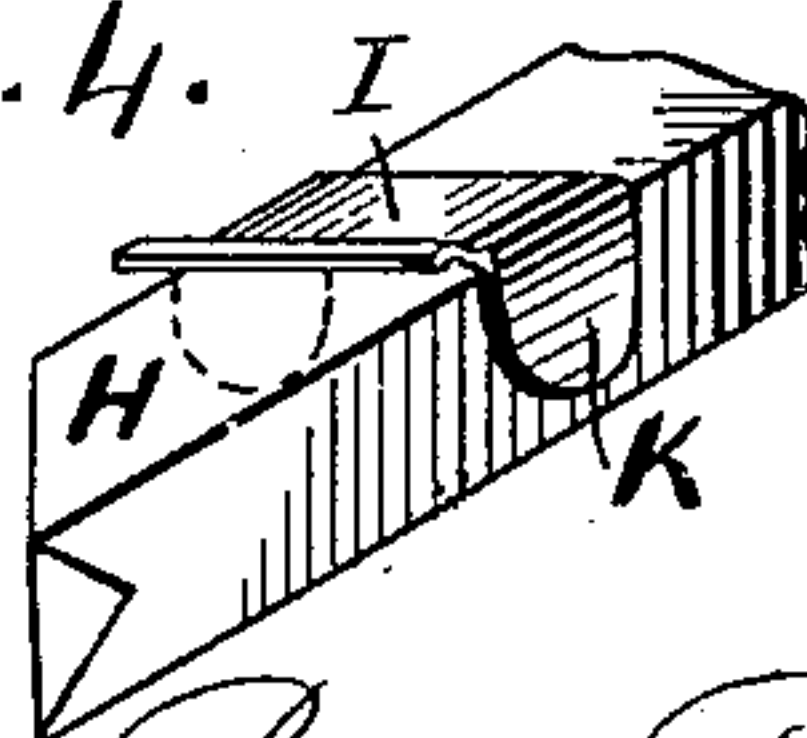


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE,

ROBERT PURDY TICKLE, OF WEST HAMPSTEAD, COUNTY OF MIDDLESEX,
ENGLAND.

STEREO-MOUNT.

SPECIFICATION forming part of Letters Patent No. 434,812, dated August 19, 1890.

Application filed March 25, 1890. Serial No. 345,227. (No model.) Patented in England January 28, 1890, No. 1,521.

To all whom it may concern:

Be it known that I, ROBERT PURDY TICKLE, a subject of the Queen of Great Britain, residing at 57 Achilles Road, West Hampstead, in the county of Middlesex, England, have invented new and useful Improvements in Stereo-Mounts, (patented in Great Britain, No. 1,521, dated January 28, 1890,) of which the following is a specification.

10 This invention relates to certain improvements in mounts for stereo and electro plates specially adapted for use with rotary printing-machines; and the object of said invention is to render the placing of stereos much easier
15 than by the usual system; also, to enable a rapid accurate adjustment and positive locking of stereos, whether of large or small size or sizes, onto mounts.

The invention consists in constructing—
20 such as by casting—a metal frame with a V-shaped projecting inner rim, or with V-shaped hollow inner rim, within which the ends of oblique strips of metal having their ends of V shape to correspond can be slid along or be
25 pushed up toward one another or opened out away from one another, in order that the mount may receive an electro or stereo plate of any size within its own length and breadth, clip-pieces being employed at the required
30 positions between the strips, and provided with lips which take over the edges of the plate to hold said plate in close contact with the mount. I employ screws at two opposite corners of the mount for pushing the shorter
35 of the strips up toward the center of the mount or away from the respective corners, other screws with nuts being arranged between certain of the longer strips and in which the screws are adjustable for giving
40 the nip at the proper places for locking the clips. Should the stereo or electro plate be larger than the inner dimensions of the mount, the strips with the top edge surface of the frame serve as a bed on which a plate would
45 find a level bearing, the edges of the plate being secured by other or edge clips let into recesses in the outer edges of the frame, and in which recesses some of the clips are fixed and some are adjustable by nuts when turned
50 by a spanner. I employ printers' ordinary

leads in the spacings for obtaining an equal bearing along the strips where the clips are arranged, and such "leads" may also be used between other of the strips for register of the plate.

To enable my invention to be more clearly understood, I annex a sheet of drawings hereto.

Figure 1 is a plan of a mount with V projection on inner edge of frame and with a small stereo or electro plate locked on the strip by four clips; Fig. 2, a transverse section of the frame and strips through the line *a b* of Fig. 1; Fig. 3, a sectional elevation of part of a frame having V-shaped hollow and V-shaped projections on strips; Fig. 4, an elevation of a separate clip on a strip to show the side wings, which when jammed between two strips is locked in place.

Similar letters refer to similar parts throughout the several views.

A is the frame, of rectangular shape, with an inner rib B of V shape. This frame has in its outer edges a series of notches for lipped clipping-plates C C, which are fixed in position by screws or pins, as in dotted lines, Fig. 2, and with another series of notches of greater depth for the reception of removable lipped clipping-plates D D, which are held in position by the side walls of the notches and carried by screws E E, on which nuts F F can be turned by a spanner for the adjustment of the plates D D. These screws E E are riveted to the cover-plates G G, which are screwed to the outer edges of the frame A in a similar manner to the clipping-plates C C.

H H are oblique strips, with their inner ends of V shape to correspond with the ribs B of the frame A, on which they can be slid close to one another or farther apart when desired.

I I are loose-fitting clips, the lips of which are shaped like those of the clips C D, for bearing upon the chamfered edge of the stereo J when placed upon the oblique strips H H. These clips I I have bent-down wings K K, which engage between the diagonal strips H H, between which said wings are pinched when the "locking-up" is effected to bind the clips I I and stereo-plate J firmly on the strips H H, ready for the printing operation. Two

of the oblique strips—say L L—have longitudinal grooves in them, one being plain, as at L', Fig. 2, for the stems of screws M M to slide in, and the other mitered or provided
 5 with a dovetailed groove, as at M', Fig. 2, for the heads of the screws M M to slide in, so that said screws can be set at any part of the oblique strips L L, these strips being set farther apart by turning the nuts N N in the
 10 proper direction for locking the strips H H closely against one another. The longer of the oblique strips H H are very effectively closed up by the screws M M, and the shorter ones have separate screws P P inserted
 15 through the opposite corners of the frame A to force them up. This, however, is only necessary when the stereo-plate is of a size for the locking-up to be effected by those strips alone.

20 Stereo-plates of irregular sizes can be secured on the mount of my invention, it only requiring leads being placed between the strips to make up for the difference of the sizes between a regular or stock size of stereos and
 25 those of irregular sizes, and such leads, which should correspond in thickness to the wings K K, can be used between the oblique strips H H for giving an equal bearing along the strips, between which they also act as cushions when the screwing up for locking purposes is effected.

I am aware that diagonal strips have hitherto been employed in a frame on which stereo-plates have been secured, and that means have
 35 been adopted for fixing the oblique strips in position in such frames, therefore I do not claim the use of oblique strips in a frame for the purpose; but

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

1. The combination, in a stereo-mount, of the frame A, having inner ribs B, the oblique strips H, having their ends in sliding engagement with the ribs and movable parallel to each other in the frame, and locking-screws M, having nuts N interposed between and adjustable lengthwise of two of the oblique strips, substantially as described. 45

2. The combination, in a stereo-mount, of the frame A, the oblique strips H, movable parallel to each other in the frame and supported thereby, the loose clips I, having side wings K and moving on the oblique strips, and screws for adjusting the oblique strips to clamp the clips in engagement with a stereo-plate, substantially as described. 55

3. The combination, in a stereo-mount, of the frame A, having inner ribs B, the oblique strips H, engaging the ribs and movable parallel to each other, the oblique strips L, having their adjacent faces provided, respectively, with a plain slot L' and a miter or dovetail groove M', and the locking-screws M, having nuts N and adjustable along the slot and groove, substantially as described. 65

4. The combination, in a stereo-mount, of the frame A, having inner ribs B, the oblique strips H, engaging the ribs and movable parallel to each other, clips for securing a stereo-plate, and corner-screws P for adjusting the oblique strips, substantially as described. 70

In witness whereof I have hereto signed my name, in the presence of two subscribing witnesses, this 6th day of March, 1890.

ROBERT PURDY TICKLE.

Witnesses:

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