

2 Sheets—Sheet 1.

O. J. McGANN & G. A. JENKS.
 Automatic Advertising Apparatus.
 No. 210,547. Patented Dec. 3, 1878.

Fig. 1

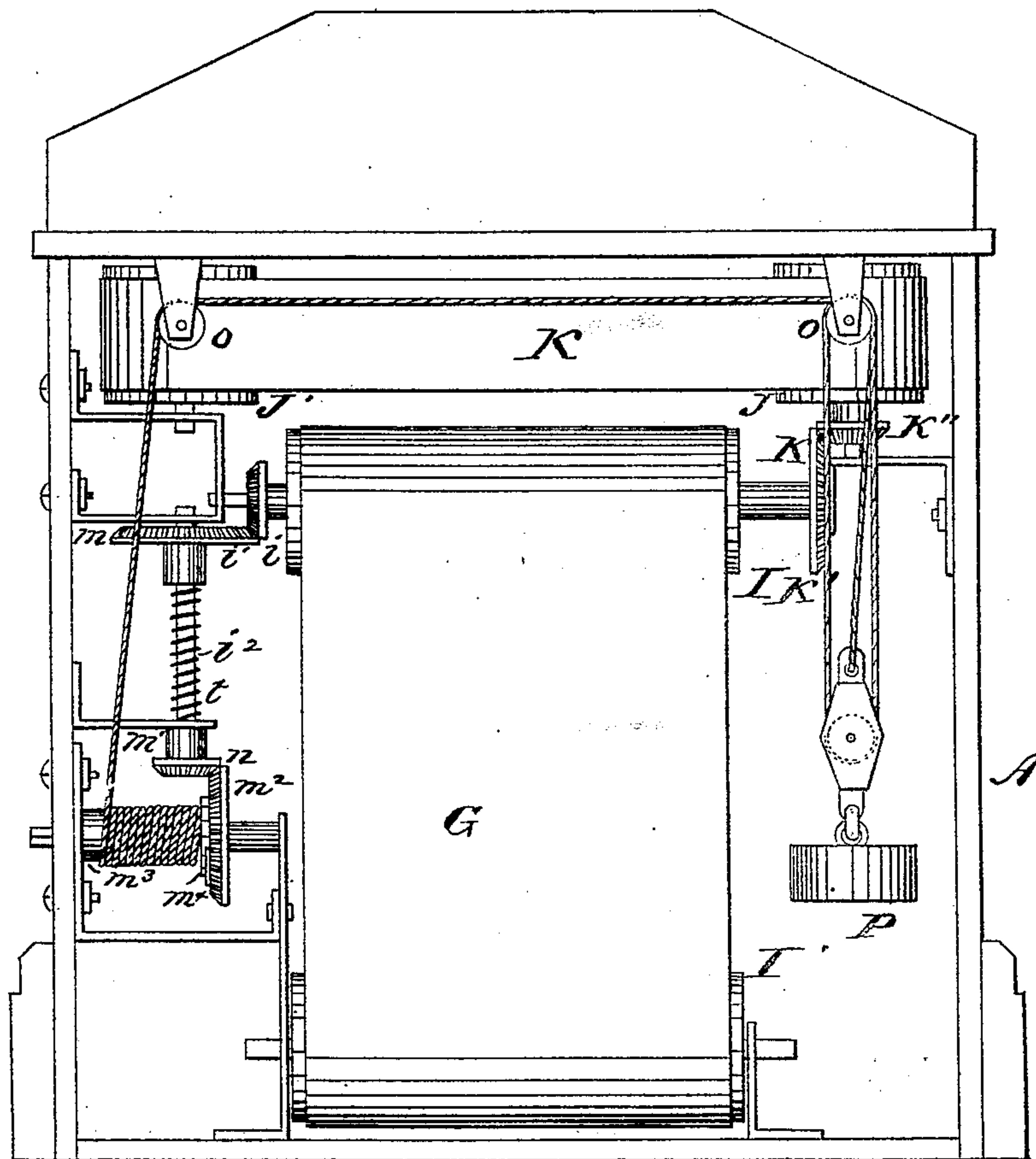


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Fig. 2



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UNITED STATES PATENT OFFICE.

OWEN J. MCGANN AND GEORGE A. JENKS, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN AUTOMATIC ADVERTISING APPARATUS.

Specification forming part of Letters Patent No. 210,547, dated December 3, 1878; application filed April 17, 1878.

To all whom it may concern:

Be it known that we, O. J. MCGANN and GEORGE A. JENKS, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Advertising Apparatus; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention has relation to an advertising apparatus, for use in hotels, railway-stations, and other public places where it is likely to excite observation and interest.

The apparatus consists of an upright case, of suitable proportions, ornamented according to taste, and provided on its front or face side with various contrivances for the use and information of the public—as, for instance, a clock, a thermometer, barometer, mirrors, &c. In front is also seen a landscape view, with one or more moving objects—such as a railway-train, or a ship in the distance on the water. The center of the case has a large opening, covered by a pane of glass, and behind the latter travels an endless band of cloth or other material, upon which are painted or printed a variety of advertisements, which come into view successively. The interior of the case contains an arrangement of clock-work mechanism, which, being wound up, imparts motion to the advertising-band and to the moving landscape object.

The improvement upon other advertising contrivances of this class consists in the combination, with the advertising case or cabinet provided with an opening for the display of advertisements, and a landscape view or picture having an opening for the exhibition of a moving figure, of a vertically-moving advertising-band, a laterally-moving band to hold the landscape object, and clock-work mechanism for imparting motion to both bands from a common motor, substantially as hereinafter described and claimed.

Referring to the accompanying drawings, A designates an upright case, of any desired

size and character of design or ornamentation, upon the face of which are fixed several different articles of convenience, as a clock, B, thermometer C, barometer D, and mirrors E E, &c.

F is a central opening, covered by a plate of glass, behind which travels the advertising-band G. H is a landscape view, having an aperture at h, or wherever the character of the view renders suitable. Immediately behind or across this aperture travels a band, K, to which is attached, or upon which is printed or painted, the representation of a railway-train, ship, or other movable object.

I I' represent rollers upon which the advertising-band travels, and J J' are other and smaller rollers, upon which the band K travels, as shown.

The roller I has a pinion, *i*, on one end of its shaft, engaging with a bevel-wheel, *i*¹, on an upright shaft, *i*², which has its bearings in brackets *m m*¹, and which holds on its lower end a pinion, *n*, engaging with a bevel-wheel, *m*², on a cord-drum, *m*³. A cord wound around this drum passes thence over pulleys *o o*, suspended from the top of the case, and connects with a pulley-block, sustaining a weight, P.

On the end of the shaft of roller I, opposite pinion *i*, is a spur-wheel, K', which gears with a pinion, K'', connected to roller J.

The drum *m*³ holds a ratchet, *m*⁴, with which engages a pawl on face of bevel-wheel *m*². The cord is wound and the weight lifted by applying a key to the drum-shaft, the ratchet and pawl preventing recoil. As the weight descends the two bands are caused to travel slowly, exhibiting in succession the devices they contain.

As a support to the shaft *i*² a spiral spring, *t*, is coiled around the same, and its ends brought, respectively, against the collar of bevel-wheel *i*¹ and the upper surface of bracket *m*¹.

We do not wish to be understood as confining ourselves to the precise mechanism shown and described, as we may modify the same in details and still retain the principle of our invention, which is embodied in the combination, with suitable clock-work mechanism applied to a case or cabinet, of the two moving

bands, the one containing advertisements and the other appropriate movable landscape figures. A spring connected with the clock-work gearing might be substituted for the weight.

The exact location of the bands is not material, and may be changed from that shown.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination, with the case A, provided with the opening F, and landscape or picture H, of the vertically-moving advertising-band

G, laterally-moving band K, and clock-work mechanism, substantially as described, for imparting motion to both bands from a common motor.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

OWEN J. MCGANN.
GEO. A. JENKS.

Witnesses:

ROBT. LYMSBOUKAY,
R. S. McLAUGHLIN.