Aug. 24, 1943. V. PETERSON 2,327,666

COMBINED CLOCK AND LAMP

Filed Aug. 1, 1942 2 Sheets-Sheet 1

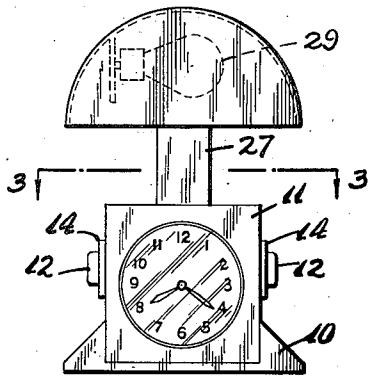


FIG. 1.

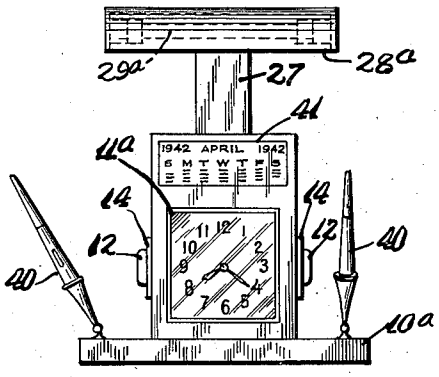


FIG. 6.

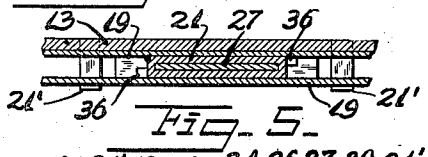


FIG. 5.

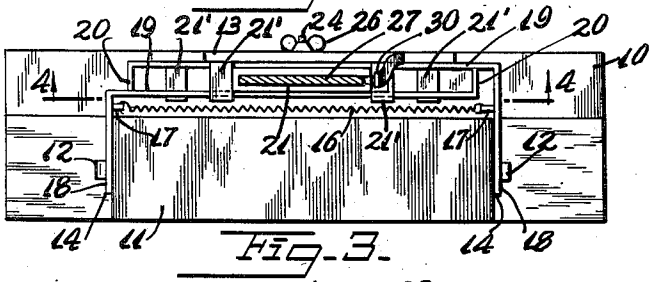


FIG. 3.

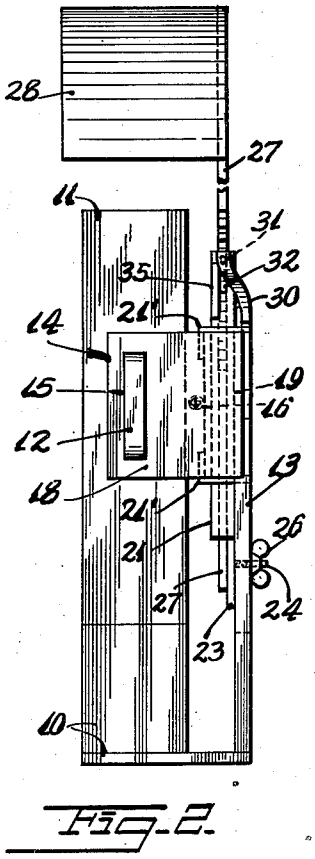


FIG. 2.

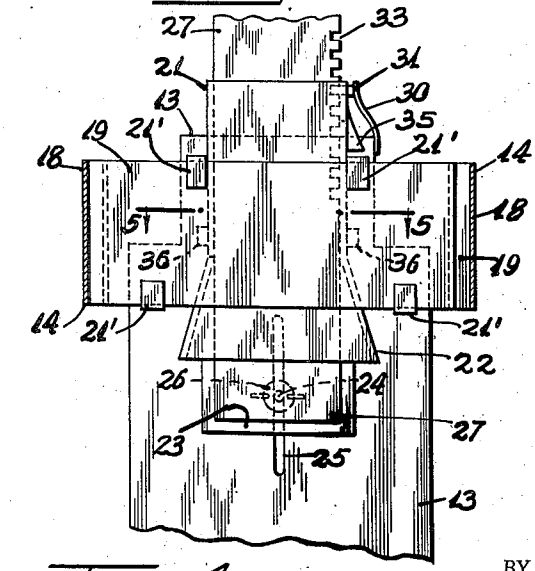


FIG. 4.

INVENTOR.
Viggo Peterson
BY
ATTORNEY

Aug. 24, 1943. V. PETERSON 2,327,666

COMBINED CLOCK AND LAMP

Filed Aug. 1, 1942 2 Sheets-Sheet 2

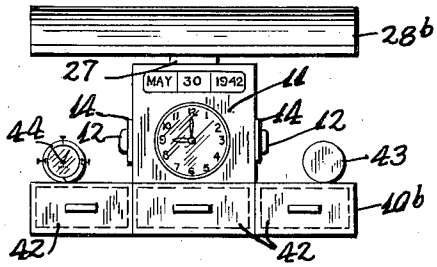


Fig. 7.

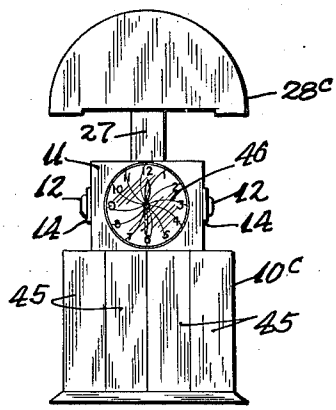


Fig. 8.

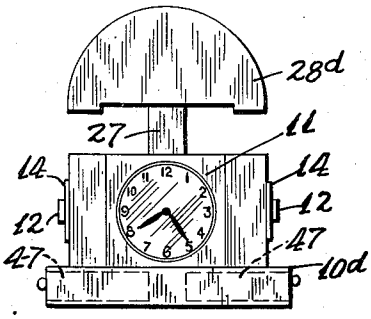


Fig. 9.

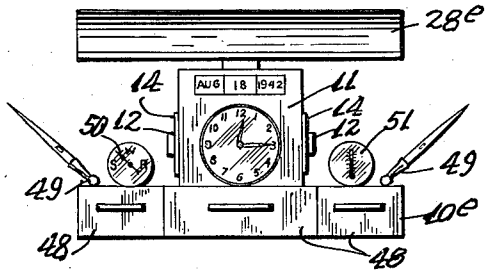


Fig. 10.

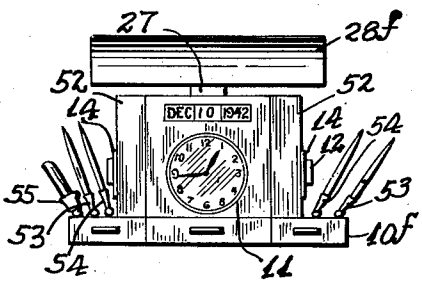


Fig. 11.

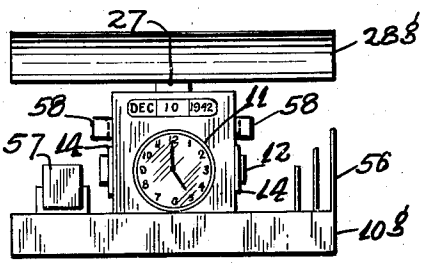


Fig. 12.

INVENTOR.
Viggo Peterson
BY Zoltan Holochek
ATTORNEY

Patented Aug. 24, 1943 2,327,666

UNITED STATES PATENT OFFICE

2,327,666

COMBINED CLOCK AND LAMP

Viggo Peterson, Brooklyn, N. Y.

Application August 1, 1942, Serial No. 453,243

6 Claims. (Cl. 240—2)

This invention relates to new and useful improvements in a combined clock and lamp.

More particularly, the invention contemplates an electric lamp and an alarm clock connected together in a new and novel way. If desired the alarm clock may also be connected to turn on or extinguish the lamp at predetermined times.

Still further the invention contemplates a connection between alarm clock and lamp, arranged so that the lamp may be raised and lowered as desired.

Another object of the invention resides in so arranging the connection between the alarm clock and lamp so that the alarm clock may be freed, and the lamp raised or lowered in a certain convenient way.

For further comprehension of this invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a front elevational view of a combined clock and lamp constructed in accordance with this invention.

Fig. 2 is an enlarged fragmentary end elevational view of Fig. 1.

Fig. 3 is an enlarged horizontal sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary vertical sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is a fragmentary horizontal sectional view taken on the line 5—5 of Fig. 4.

Fig. 6 is an elevational view of a combined clock and lamp of modified form constructed in accordance with this invention.

Figs. 7 to 12 are similar views to Fig. 6, illustrating other modified forms of the combined clock and lamp, constructed in accordance with this invention.

The combined clock and lamp, in accordance with this invention, includes a base 10 upon which a clock 11 having a pair of side projections 12 may rest. The base 10 may be of any shape, design or construction. It is provided with a standard 13 mounted on and projecting from the back thereof. A pair of horizontal arms 14 are slidably mounted on the standard 13 and have openings 15 engaging over the said side projections 12 for firmly holding the clock 11 in position on the base 10. Means is provided for urging the arms 14 towards each other. This means includes a spring 16 acting between lugs 17 mounted on the arms 14. This spring 16 is normally disposed behind the clock 11 so that it is out of view from the front of the combined clock and lamp.

The said horizontal arms 14 are substantially of L-shape. Each has a forward projecting portion 18 which is disposed to the sides of the clock 11 and are provided with the said openings 15. Each of the arms 14 is also provided with a laterally extending portion 19. These portions 19 are directed towards each other. The portions 19 are held relatively spaced by small end portions 20, from the ends of each of the portions 19, bent towards each other, as clearly illustrated in Fig. 3. The horizontal arms 14 are slidably supported by lugs 21' which are mounted on the standard 13 and which engage the top and bottom edges of the laterally extending portions 19 of the said arms 14.

A tube 21 is vertically adjustably mounted on the said standard 13 and is provided with a cam portion 22 for moving the arms 14 away from each other when the tube 21 is raised. The tube 21 is provided with a lug 23 from which a stud 24 projects through a vertical slot 25 formed in the standard 13. A wing nut 26 is mounted on the stud 24 by which the stud 24 may be clamped in various positions in the slot 25 to correspondingly hold the tube 21 in raised or lowered positions. The tube 21 is flat for slidably guiding a flat stem 27. This stem 27 projects from a reflector 28 for a lamp 29.

Latch means is provided on the standard 13 for holding said stem 27 in selected positions. This latch means includes a stiff leaf spring 30 mounted on the standard 13 and extending upwards and provided with a pin 31 which passes through a vertical slot 32 formed in an edge portion of the tube 21. This pin 31 engages between the teeth of a rack 33 formed on the adjacent side of the stem 27. Another cam 35 is mounted on the tube 21 for opening the said latch means when the tube is raised. This cam 35 is adapted to engage beneath the top free end of the spring 30 to flex it outwards and so withdraw the pin 31 from between the rack teeth 33. Thus the stem 27 is freed.

The cam 22 is in the nature of a flared portion formed on the tube 21. It acts in conjunction with a pair of projections 36 mounted respectively on the adjacent faces of the laterally extending portions 19 of the arms 14. The tube 21 passes between the said laterally extending portions 19 on the arms 14, see particularly Figs. 3 and 5. In Fig. 5 projections 36 are shown en-

gaged against the sides of the tube 21. It will be realized that when the tube 21 is raised the cam 22 will move the projections 36 away from each other and this indirectly moves the arms 14 away from each other.

The operation of the device is as follows:

The combined clock and lamp, as illustrated in Figs. 1–5 inclusive, is ready to be used. However, if it is desired to lower the reflector 28 which holds the lamp 29, and if it is desired to remove the clock 14, it is merely necessary that the wing nut 26 be loosened to free the tube 21 which is then moved upwards a sufficient distance to cause the cam 35 to flex the spring 30 and withdraw the pin 31 from the teeth of the rack 33, and simultaneously to cause the cam 22 to move the projections 36 apart to indirectly move the arms 14 free from the side projections 12 of the clock. The tube 21 may be clamped into this new position by tightening the nut 26. The stem 27 may now be raised or lowered and held in a selected position. The clock 11 may be removed if desired, and replaced. Finally, the wing nut 26 may again be loosened and the tube 21 replaced to the position illustrated in Fig. 4 in which the stem 27 will be again locked in a fixed position and the arms 14 will engage the projections 12 of the clock.

In Fig. 6 another embodiment of the invention has been disclosed which distinguishes from the prior form merely in details of construction. The combined clock and lamp, in accordance with this form of the invention, includes a base 10^a which is provided with a pair of fountain pens 40. The base 10^a also supports a clock 11^a which is provided at its top with a calendar 41. The clock 11^a has projections 12 at its side which are engaged by the pair of horizontal arms 14. The combined clock and lamp is also provided with a reflector 28^a provided with a lamp 29^a. The reflector 28^a is supported by a stem 27. The arms 14 and stem 27 are associated with each other in the identical manner described relative to the prior form of this invention and further details will therefore not be given.

In Fig. 7 the combined clock and lamp includes a base 10^b and a lamp reflects 28^b. The base is equipped with drawers 42, a motorized pencil sharpener 43 and an appointment alarm clock 44.

In Fig. 8 the combined clock and lamp includes a base 10^c and a lamp reflector 28^c. The base is equipped with compartments 45 in which electric lighters may be placed on revolving shelves. In this figure the clock is provided with a suitable revolving rainbow color lighting effect at 46.

In Fig. 9 the combined clock and lamp includes a base 10^d and a lamp reflector 28^d. The base is equipped with drawers 47 and a twin bedroom alarm clock.

In Fig. 10 the combined clock and lamp includes a base 10^e and a lamp reflector 28^e. The base is equipped with drawers 48, fountain pen holders 49, barometers 50 and a thermometer 51.

In Fig. 11 the combined clock and lamp includes a base 10^f and a lamp reflector 28^f. The base is equipped with letter racks 52, pen holders 53, pencil holders 54 and a stamp moistener 55.

In Fig. 12 the combined clock and lamp includes a base 10^g and a lamp reflector 28^g. The base is equipped with a letter rack 56, a combined mirror and picture frame 57 and rubber stamp racks 58.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A combined clock and lamp comprising a base upon which a clock having a pair of side projections may rest, a standard on the back of said base, a pair of horizontal arms slidably mounted horizontally on said standard and having openings for engaging over said side projections, means for urging said arms towards each other, a tube vertically adjustably mounted on said standard and having a cam portion for moving said arms away from each other when the tube is raised, a reflector for a lamp and provided with a vertical stem passing through said tube, latch means on said standard and stem for holding said stem in selected positions, and another cam on said tube for opening said latch means when the tube is raised.

2. A combined clock and lamp comprising a base upon which a clock having a pair of side projections may rest, a standard on the back of said base, a pair of horizontal arms slidably mounted horizontally on said standard and having openings for engaging over said side projections, means for urging said arms towards each other, a tube vertically adjustably mounted on said standard and having a cam portion for moving said arms away from each other when the tube is raised, a reflector for a lamp and provided with a vertical stem passing through said tube, latch means on said standard and stem for holding said stem in selected positions, and another cam on said tube for opening said latch means when the tube is raised, said standard being provided with lugs engaging top and bottom edges of said horizontal arms for accomplishing said slidable mounting of the arms.

3. A combined clock and lamp, comprising a base upon which a clock having a pair of side projections may rest, a standard on the back of said base, a pair of horizontal arms slidably mounted horizontally on said standard and having openings for engaging over said side projections, means for urging said arms towards each other, a tube vertically adjustably mounted on said standard and having a cam portion for moving said arms away from each other when the tube is raised, a reflector for a lamp and provided with a vertical stem passing through said tube, latch means on said standard and stem for holding, said stem in selected positions, and another cam on said tube for opening said latch means when the tube is raised, said means for urging said arms towards each other comprising a spring connected between the arms.

4. A combined clock and lamp comprising a base upon which a clock having a pair of side projections may rest, a standard on the back of said base, a pair of horizontal arms slidably mounted horizontally on said standard and having openings for engaging over said side projections, means for urging said arms towards each other, a tube vertically adjustably mounted on said standard and having a cam portion for moving said arms away from each other when the tube is raised, a reflector for a lamp and provided with a vertical stem passing through said tube, latch means on said standard and stem for holding said stem in selected positions, and another cam on said tube for opening said latch means

when the tube is raised, said tube being flat and disposed between said horizontal arms.

5. A combined clock and lamp comprising a base upon which a clock having a pair of side projections may rest, a standard on the back of said base, a pair of horizontal arms slidably mounted horizontally on said standard and having openings for engaging over said side projections, means for urging said arms towards each other, a tube vertically adjustably mounted on said standard and having a cam portion for moving said arms away from each other when the tube is raised, a reflector for a lamp and provided with a vertical stem passing through said tube, latch means on said standard and stem for holding said stem in selected positions, and another cam on said tube for opening said latch means when the tube is raised, said latch means comprising a leaf spring mounted on the standard and having a pin engaging through a slot in said tube and engaging rack teeth formed along said stem.

6. A combined clock and lamp comprising a base upon which a clock having a pair of side projections may rest, a standard on the back of said base, a pair of horizontal arms slidably mounted horizontally on said standard and having openings for engaging over said side projections, means for urging said arms towards each other, a tube vertically adjustably mounted on said standard and having a cam portion for moving said arms away from each other when the tube is raised, a reflector for a lamp and provided with a vertical stem passing through said tube, latch means on said standard and stem for holding said stem in selected positions, and another cam on said tube for opening said latch means when the tube is raised, said latch means comprising a leaf spring mounted on the standard and having a pin engaging through a slot in said tube and engaging rack teeth formed along said stem, said latter cam being adapted to engage said leaf spring to withdraw the pin.

VIGGO PETERSON.