Dec. 12, 1944. E. E. LEROUX 2,364,729

STENCILING ATTACHMENT FOR TYPEWRITERS

Filed Sept. 9, 1943 3 Sheets-Sheet 1

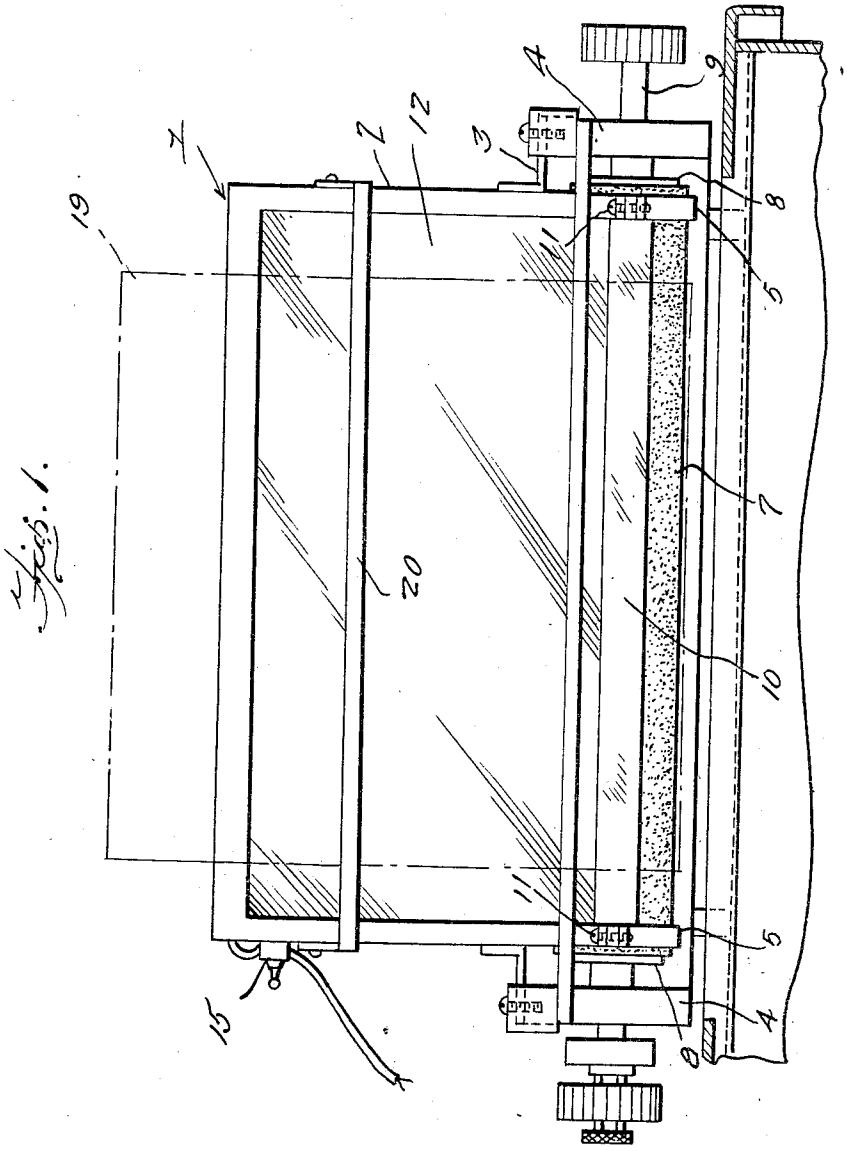


Fig. 1.

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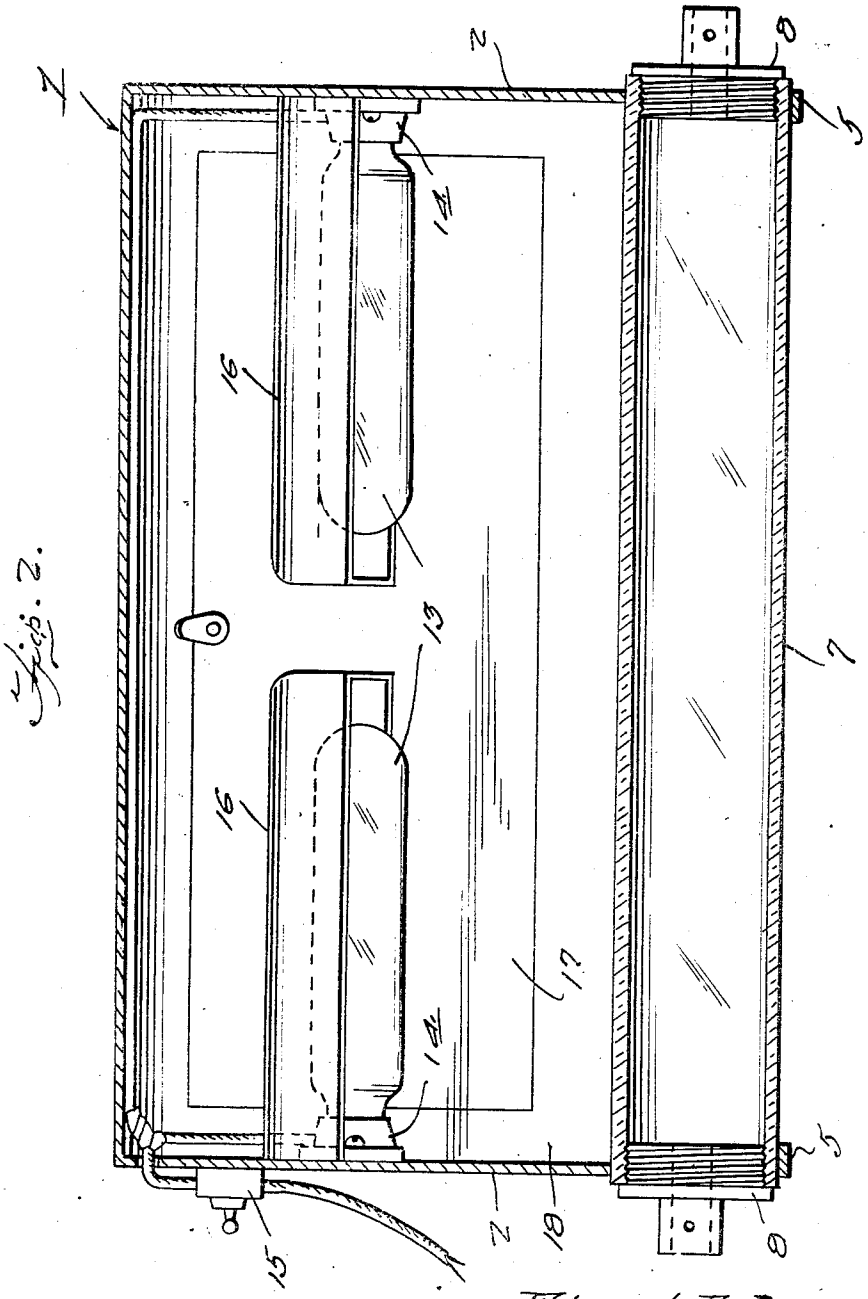


Fig. 2.

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Filed Sept. 9, 1943 3 Sheets-Sheet 3

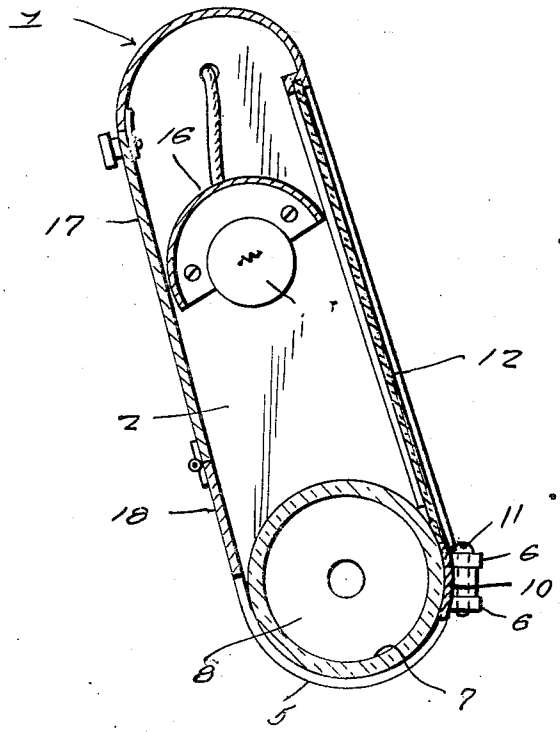


Fig. 3.

Fig. 4.

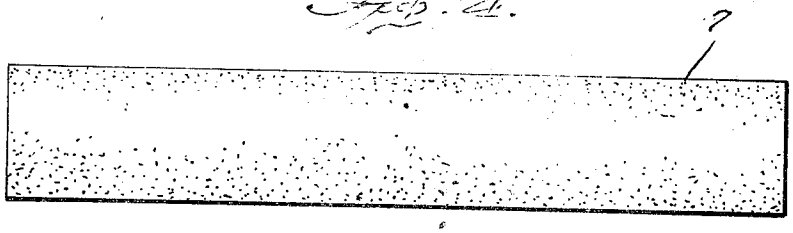
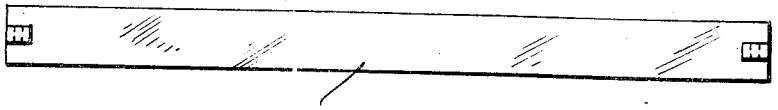


Fig. 5.



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UNITED STATES PATENT OFFICE

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STENCILING ATTACHMENT FOR TYPEWRITERS

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Application September 9, 1943, Serial No. 501,703

2 Claims. (Cl. 240—2)

The present invention relates to new and useful improvements in stenciling attachments for typewriters, and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character comprising a novel construction and arrangement for illuminating the work, whereby the operator may clearly observe each letter as it is cut.

Another very important object of the invention is to provide an illuminated stenciling attachment of the aforementioned character which is adapted to be expeditiously installed for operation on standard typewriting machines without the necessity of making material structural alterations therein.

Other objects of the invention are to provide an illuminated stenciling attachment for typewriters which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact, light in weight, and which may be manufactured at low cost.

All of the foregoing, and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a view in front elevation of a stenciling attachment constructed and applied in accordance with the present invention.

Figure 2 is a view in longitudinal section through the invention.

Figure 3 is a cross-sectional view.

Figure 4 is a detail view in elevation of the glass platen.

Figure 5 is a detail view in elevation of the transparent printing strip.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises an elongated housing which is designated generally by reference character 1, which housing may be made of plastic or other suitable material. As illustrated to advantage in Figure 3 of the drawings, the housing 1 is substantially oval in cross-section. Secured on the ends 2 of the housing 1 are brackets 3 through the medium of which said housing is firmly secured in position on the ends of the usual platen carriage 4 of a typewriter.

The bottom of the housing 1 is open and formed integrally with the end walls 2 thereof are split rings or loops 5 having apertured ears 6 on their ends. The split loops 5 rotatably accommodate the end portions of a tubular glass platen 7 which is externally frosted. The end portions of the platen 7 are internally threaded to receive plugs 8 having central bores extending therethrough for accommodating the usual platen shaft 9 of the typewriter to which said plugs are secured. Thus, the platen 7 is mounted on the shaft 9 for rotation therewith.

Mounted immediately in front of the platen 7 is a writing strip or bar 10 of comparatively soft, transparent material. The writing strip 10, which is stationary, is of a cross-sectional shape corresponding to the curvature of the periphery of the platen 7. Screws 11 secure the end portions of the writing strip 10 between the ears 6 of the loops 5. Thus, the split loops 5 are secured around the end portions of the platen 7.

It will be observed that the housing 1 is mounted at an inclination on the platen carriage 4. Mounted in the front of the housing 1 is an inclined window 12, the inner surface of which is frosted. The lower edge of the window 12 rests on the strip 10.

Mounted in the housing 1 is a plurality of electric lamps 13. In the embodiment shown, the electric lamps 13 are elongated and said lamps are mounted in sockets 14 which are provided therefor on the end walls 2 of the housing 1. A switch 15 on one of the housing end walls 2 controls the electric lamps 13. Reflectors 16 project the light from the lamps 13 downwardly and forwardly through the window 12, the platen 7 and the writing strip 10. A hinged door 17 on the back 18 of the housing 1 permits access to be had to the lamps 13.

It is thought that the operation of the invention will be readily apparent from a consideration of the foregoing. Briefly, the paper, as at 19, is inserted beneath the platen 7 from the rear thereof, and said platen is manually rotated for feeding the paper forwardly and upwardly across the strip 10. The platen 7 accomplishes this in conjunction with the usual feed rollers of the machine. The external frosting of the platen 7 facilitates feeding the paper. A guide bar 20 extends transversely across the window 12 and is hingedly connected to the end walls 2 of the housing 1 for holding the paper 19 against said window. The type of the machine cuts the characters in the portion of the paper 19 which is in contact with the comparatively soft strip or bar 10. Light from the electric lamps 13 is transmitted to the work through the window 12, the platen 7 and the strip 10, thus permitting

the characters to be clearly seen by the operator as they are cut.

It is believed that the many advantages of a stenciling attachment constructed in accordance with the present invention will be readily understood, and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

1. A stenciling attachment for typewriting machines comprising an elongated housing, means for mounting said housing in an inclined position on a typewriting machine adjacent the platen, the lower portion of said housing being open, loops on said lower portion of the housing at the ends thereof, a tubular platen of light transmitting material rotatably mounted on the machine and operable in the loops, a writing strip of comparatively soft, transparent material mounted on the loops and extending longitudinally of the platen immediately adjacent thereto, a window in the front of the housing, and electric lamps in the housing for illuminating the platen, the strip and said window.

2. A stenciling attachment for typewriters comprising an elongated housing, means for mounting said housing at an inclination on a typewriting machine adjacent the platen, the lower portion of the housing being open, split loops integral with the lower portion of the housing at the ends thereof, opposed ears on the ends of said loops, a tubular platen of light transmitting material rotatably mounted on the typewriter and operable in the loops and the lower portion of the housing, a writing strip of comparatively soft, light transmitting material mounted between the ears and extending longitudinally relative to the platen immediately adjacent said platen, a window in the front of the housing resting on said strip, and electric lamps in the housing for illuminating the platen, the strip and the window.

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