

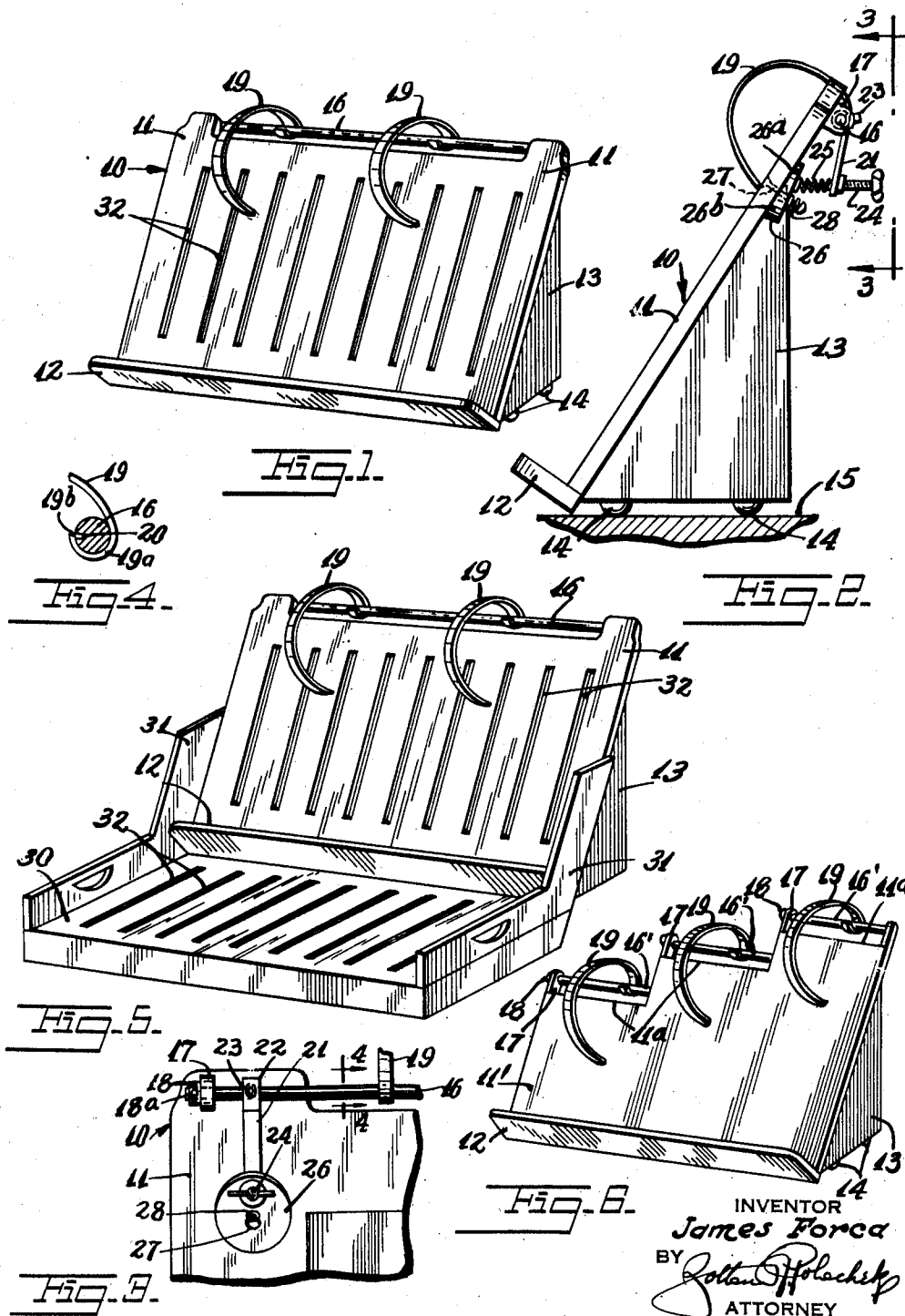
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TYPIST'S SHEET AND BOOK HOLDER

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TYPIST'S SHEET AND BOOKHOLDER

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6 Claims. (Cl. 24-66)

This invention relates to new and useful improvements in a typist sheet and book holder.

More specifically, the invention contemplates an article as mentioned which is characterized by a housing having a rearwardly inclined sheet and book support wall, and a novel arrangement for holding a sheet or sheets or a book upon said support wall.

It is contemplated to make use of flexible leaf spring clips mounted indirectly in a certain way upon the support wall and adapted to cooperate in holding and supporting a sheet or sheets or book on said support wall.

Still further the invention proposes a novel arrangement for resiliently forcing said leaf spring clips against the support wall to facilitate the actions thereof.

Another object of the invention is the construction of an article as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

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

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

Fig. 1 is a perspective view of a typist sheet and book holder constructed in accordance with this invention.

Fig. 2 is a side elevational view of Fig. 1 looking from the right hand side.

Fig. 3 is a fragmentary enlarged elevational view looking in the direction of the line 3-3 of Fig. 2.

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

Fig. 5 is a perspective view of another embodiment of a typist sheet and book holder constructed in accordance with this invention.

Fig. 6 is another perspective view similar to Fig. 1, but illustrating another form of the invention.

The typist sheet and book holder, in accordance with this invention, includes a housing 10 having a rearwardly inclined sheet and book support wall 11. This housing 10 preferably is constructed of sheet metal, sheet cardboard, sheet composition material, or other similar materials. The housing 10 also includes a ledge 12 mounted upon the bottom of the support wall 10 upon which a sheet or sheets or a book may be rested while these materials lean against the

support wall. The said support wall 11 is mounted upon a base 13 which has several feet 14 adapted to rest on the top surface 15 of a desk, table or the like.

A rod 16 extends across the top of the wall 11. Means is provided for supporting this rod. This means comprises a standard 17 mounted upon each end of the back face of the support wall 11 and receiving and holding the ends of the rod 16. Collars 18 are fixedly mounted on the ends of the rod 16 to prevent accidental displacement of the rod. The standards 17 support the rod 16 freely so that it may turn. These collars 18 may be removed by unscrewing the threaded member 18^a.

One or a plurality of flexible leaf spring clips 19 are slidably mounted on the rod 16 and are adapted to engage against the front face of the wall 11. Each leaf spring clip 19 is formed from a strip of spring metal having one of its end portions 19^a coiled around the rod 16 and having an intumed end 19^b engaging into a groove 20 formed in the sides of the rod 16 extended along the longitudinal length of the rod. With this arrangement each of the clips 19 may be manually forced along the rod 16 to a selected position.

Means is provided for resiliently holding the rod 16 in adjusted turned positions for controlling the pressure of the clips 19 against the support wall 11. This means includes a radial arm 21 having a hub portion 22 engaged on the rod 16. A set screw 23 threadedly engages through the hub portion 22 and abuts the rod 16 for clamping the radial arm in a fixed radial position on the rod. A screw 24 is threadedly engaged through a portion of the radial arm 21. A spring 25 is mounted on the inner end of the screw 24. This spring 25 engages against an abutment cam 26 mounted upon the rear of the support wall 11. The abutment cam 26 is in the form of a disc which has a thin side 26^a and which gradually thickens so that at its remote side 26^b it is much thicker than at the thin side. This abutment cam 26 is rotatively supported on a stud 27 mounted on the support wall 11. A spring 28 is coaxially mounted on the stud 27 and acts between the head of the stud and the cam 26 for urging the cam against the support wall 11.

The free ends of the spring clips 19 normally engage the outer face of the support wall 11. The screw 24 may be turned in one direction so as to increase the tension of the spring 25 and thus increase the pressure of the spring clips against the support wall 11. The screw 24 may be turned in the other direction for decreasing said pressure. The abutment cam 26 may be turned so

that selected portions thereof of selected thicknesses engage beneath the spring 25 for varying the tension of the spring and so providing an additional control of the tension of the spring clips 19 against the front face of the support wall 11. The support wall 11 is formed with corrugations 32 for stiffening it.

In Fig. 5 a modified form of the invention has been disclosed which distinguishes from the prior form in the fact that the holder includes a housing 10' having a rearwardly inclined sheet and book support wall 11. The housing 10' also includes a ledge 12 disposed at the bottom of the support wall 11 and a front base wall 30. This base wall 30 is adapted to rest on a table or other support. Side walls 31 are mounted on the side portions of the base wall 30 and the support wall 11. The support wall 11 is also provided with a back base 13. The support wall 11 is associated with the rod 16 and the spring clips 19, same as previously described. The other details of this form of the invention are identical to the prior form and may be identified by the same reference numerals. The base wall 30 is formed with corrugations 32 for stiffening this part.

In Fig. 6, the support wall 11' is illustrated with a step-like upper edge 11^a. Above each edge 11^a, a short rod 16' is mounted, as previously described, with a leaf spring 19 so that sheets or books of different lengths may be secured on the support wall 11' by using one of the leaf springs 19 which is most conveniently located for gripping the said sheets or book.

Each rod 16' with the corresponding leaf spring 19 may be readily removed by first removing the collar 18 from the end of each rod 16.

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 typists sheet and book holder having a rearwardly inclined support wall, a horizontal rod extended across the top of said wall, means rotatively supporting said rod on said wall, a flexible leaf spring clip having one of its ends slidably but non-rotatively engaging said rod and the other of its ends bearing against the front face of said wall, a radial arm having one of its ends securely mounted on one end of said rod and the other of its ends projected downwards along the back face of said wall, and means on the free end of said radial arm for urging the free end of said arm away from said wall to turn said rod and control the pressure with which the free end of said clip will bear against the front face of said wall.

2. A typists sheet and book holder having a rearwardly inclined support wall, a horizontal rod extended across the top of said wall, means rotatively supporting said rod on said wall, a flexible leaf spring clip having one of its ends slidably but non-rotatively engaging said rod and the other of its ends bearing against the front face of said wall, a radial arm having one of its ends securely mounted on one end of said rod and the other of its ends projected downwards along the back face of said wall, and means on the free end of said radial arm for urging the free end of said arm away from said wall to turn said rod and control the pressure with which the free end of

said clip will bear against the front face of said wall, said first means, comprising spaced brackets mounted on the back face of said wall and said rod having its ends rotatively engaging said brackets.

3. A typist sheet and book holder having a rearwardly inclined support wall, a horizontal rod extended across the top of said wall, means rotatively supporting said rod on said wall, a flexible leaf spring clip having one of its ends slidably but non-rotatively engaging said rod and the other of its ends bearing against the front face of said wall, a radial arm having one of its ends securely mounted on one end of said rod and the other of its ends projected downwards along the back face of said wall, and means on the free end of said radial arm for urging the free end of said arm away from said wall to turn said rod and control the pressure with which the free end of said clip will bear against the front face of said wall, said spring clip having its end bent around said rod and engaged into an elongated groove formed in said rod and comprising the slidable but non-rotative mounting of said clip on said rod.

4. A typists sheet and book holder having a rearwardly inclined support wall, a horizontal rod extended across the top of said wall, means rotatively supporting said rod on said wall, a flexible leaf spring clip having one of its ends slidably but non-rotatively engaging said rod and the other of its ends bearing against the front face of said wall, a radial arm having one of its ends securely mounted on one end of said rod and the other of its ends projected downwards along the back face of said wall, and means on the free end of said radial arm for urging the free end of said arm away from said wall to turn said rod and control the pressure with which the free end of said clip will bear against the front face of said wall, said latter means, comprising a stud rotatively extended through the free bottom end of said arm, and a spring mounted on the end of said stud adjacent the back face of said wall and bearing against said back face, whereby said stud may be turned relative to said arm to control the tension of said spring and so control the spacing of said arm with relation to said back face.

5. A typist's sheet and book holder having a rearwardly inclined support wall, a horizontal rod extended across the top of said wall, means rotatively supporting said rod on said wall, a flexible leaf spring clip having one of its ends slidably but non-rotatively engaging said rod and the other of its ends bearing against the front face of said wall, a radial arm having one of its ends securely mounted on one end of said rod and the other of its ends projected downwards along the back face of said wall, and means on the free end of said radial arm for urging the free end of said arm away from said wall to turn said rod and control the pressure with which the free end of said clip will bear against the front face of said wall, said latter means, comprising a stud rotatively extended through the free bottom end of said arm, and a spring mounted on the end of said stud adjacent the back face of said wall and bearing against said back face, whereby said stud may be turned relative to said arm to control the tension of said spring and so control the spacing of said arm with relation to said back face, and means on said back face for supplementing the rotation of said stud to control the tension of said spring.

6. A typist's sheet and book holder having a rearwardly inclined support wall, a horizontal rod extended across the top of said wall, means rotatively supporting said rod on said wall, a flexible leaf spring clip having one of its ends slidably but non-rotatively engaging said rod and the other of its ends bearing against the front face of said wall, a radial arm having one of its ends securely mounted on one end of said rod and the other of its ends projected downwards along the back face of said wall, and means on the free end of said radial arm for urging the free end of said arm away from said wall to turn said rod and control the pressure with which the free end of said clip will bear against the front face of said wall, said latter means, comprising a stud rotatively extended through the free bottom end of said arm, and a spring mounted on the end of said stud adjacent the back face of said wall and bearing against said back face, whereby said stud may be turned relative to said arm to control the tension of said spring and so control the spacing of said arm with relation to said back face, and means on said back face for supplementing the rotation of said stud to control the tension of said spring, comprising a cam of varying thicknesses rotatively supported on the back face of said wall at a position to have an edge portion disposed between said spring and wall, whereby said cam may be rotated to align an edge portion of a desired thickness with said spring to properly tension said spring.

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