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E. M. SLACK

COMBINED PENCIL AND FOUNTAIN PEN CONSTRUCTION

Filed May 12, 1923

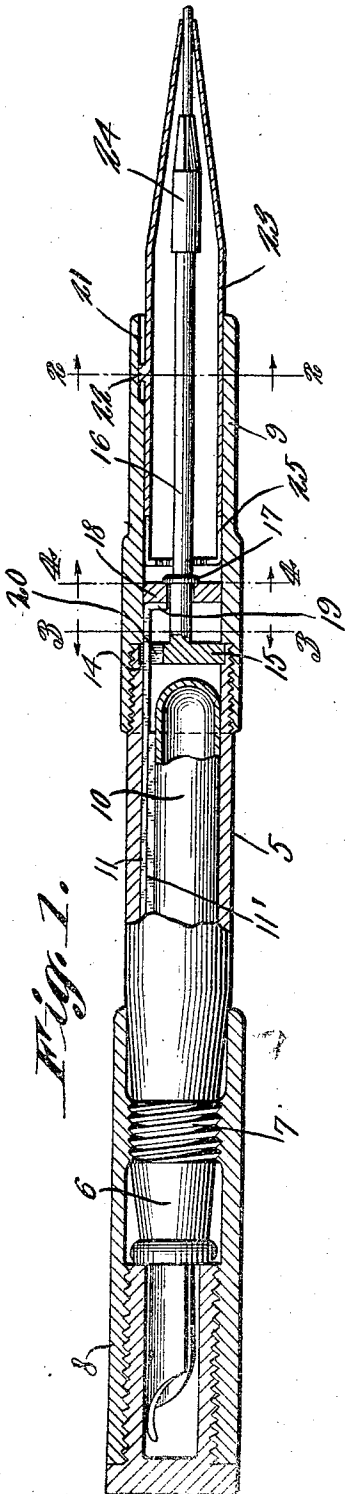


Fig. 1.

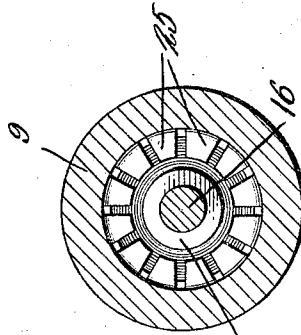


Fig. 2.

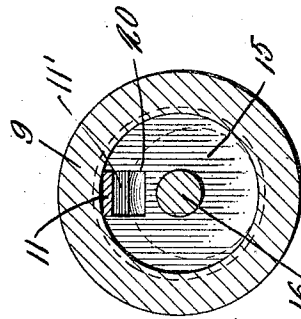


Fig. 3.

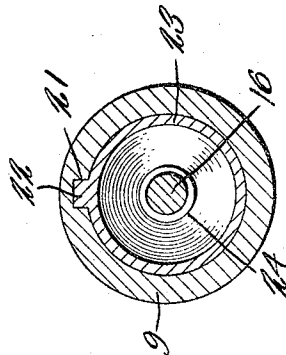


Fig. 4.

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# UNITED STATES PATENT OFFICE.

EDWARD MONROE SLACK, OF PECOS, TEXAS.

COMBINED PENCIL AND FOUNTAIN-PEN CONSTRUCTION.

Application filed May 12, 1923. Serial No. 638,573.

*To all whom it may concern:*

Be it known that I, EDWARD MONROE SLACK, a citizen of the United States, residing at Pecos, in the county of Reeves and State of Texas, have invented a new and useful Combined Pencil and Fountain-Pen Construction, of which the following is a specification.

This invention relates to a combined pen and pencil construction, the primary object of the invention being to provide a combination pen and pencil having novel means for exposing a length of lead when the lead becomes broken at a point adjacent to the end of the pencil.

Another object of the invention is to provide means for preventing the ink sack from becoming accidentally compressed while the device is in use.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a longitudinal sectional view through a combination pen and pencil constructed in accordance with the invention.

Figure 2 is a sectional view taken on line 2-2 of Figure 1.

Figure 3 is a sectional view taken on line 3-3 of Figure 1.

Figure 4 is a sectional view taken on line 4-4 of Figure 1.

Referring to the drawing in detail, the reference character 5 designates the barrel of the pen which may be formed of any suitable material and provided with a removable pen supporting section 6.

Threads 7 are formed on the pen barrel and cooperate with the threads of the cap 8 to secure the cap in position, the threads of the cap being disposed in spaced relation with the open end of the cap 8 to permit the cap to be positioned over the pencil barrel 9. The ink sack is indicated at 10 and is of the usual construction to feed ink to the pen associated therewith.

Positioned in parallel relation with the ink sack 10 is a sack compressing spring

arm 11 that rests on the presser bar 11', said spring arm having one of its ends extending beyond the pen barrel 5 so that the same will be engaged by the movable disk 18 to be hereinafter more fully described to cause the spring arm to buckle and be forced against the sack 10 to compress the sack to accomplish the filling of the sack.

The pen barrel is formed with threads at one end thereof to accommodate the threads of the pencil barrel 9 and as shown, the pen barrel is formed with a cut out portion defining a shoulder 14 adapted to be engaged by the head 15 formed at one end of the lead supporting rod 16 that is formed with an enlargement 17.

Between the head 15 and the enlargement 17 is a movable disk 18 that engages the right angled end 19 of the spring sack compressing arm 11 the head 15 being formed with a cut out portion 20 to provide a clearance for the arm 11 so that the arm 11 may extend into the pencil barrel.

Thus it will be seen that due to this construction, the arm 11 is held in its inactive position against accidental movement which would compress the ink sack 10. A groove 21 is formed in the inner wall of the pencil barrel 9 which groove accommodates the lug 22 of the lead chamber barrel 23 whereby the lead chamber barrel may be moved longitudinally of the barrel 9 to expose the lead held by the lead supporting head 24 that is carried at the outer end of the rod 16.

The inner end of the barrel 23 is formed into inwardly extended fingers 25 that engage the disk 18 to restrict movement of the barrel 23 longitudinally of the pen barrel. The outer end of the barrel 23 is tapered to provide a pencil tip 23' through which the lead 24' extends.

In the use of the device, if it is desired to use the pen the cap 8 is removed and positioned over the pencil barrel thereby exposing the pen.

What is claimed as new is:—

1. In a device of the character described, a barrel, a pen supported at one end of the barrel, an ink sack positioned within the barrel and adapted to supply ink to the pen, a presser bar resting on the sack, a compressing arm adapted to engage the presser bar, said compressing arm having a right angled extremity, a pencil barrel at one end of the first mentioned barrel, and

movable means within the pencil barrel and cooperating with the right angled end of the compressing arm for bending the compressing arm to compress the ink sack.

- 5 2. In a dévite of the character described, a barrel, a pen at one end of the barrel, an ink sack within the barrel and adapted to supply ink to the pen, a presser bar resting on the ink sack, a compressing arm engaging the compressor bar, a barrel secured  
10 to one end of the first mentioned barrel, one end of the compressing arm extending into the last mentioned barrel, a movable disk

in the last mentioned barrel and resting on the right angled end of the compressing arm, and a lead supporting barrel movably supported in the last mentioned barrel and adapted to engage the disk to bend the compressing arm to compress the ink sack.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDWARD MONROE SLACK.

Witnesses:

C. C. SMYTH,

E. M. RICHARDSON.