

# INSTRUCTIONS FOR USING THE KAMCO PUSHER ALIGNING TOOL

The Pusher Aligning Tool (PAT.) has been designed to take the work out of bringing pushers in and out of the blocking rail. It has four major functions:

1. To bring pushers out of the rail and into rest (non-working) position
2. To take pushers from rest position to working position
3. To return pushers from rest position to the blocking rail without disturbing pushers in working position.
4. To return all pushers to the blocking rail.

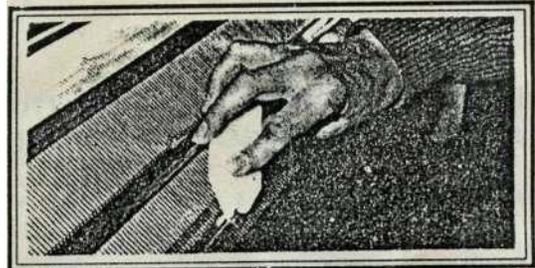
The P.A.T. can perform each of these functions on either bed, regardless of whether you have the Deco rail installed or the Pass8p motor installed.

NOTE: Be sure that all pushers are clear of the blocking rail and the rail is closed firmly after EACH operation. Operating with the rail partially open can damage your machine!

## 1a. To bring pushers out of the rail ( with the Deco rail installed):

Hold the PAT with the pointed end downwards resting on the Deco rail and the tapered end upwards. Open the blocking rail and slide PAT firmly from right to left.

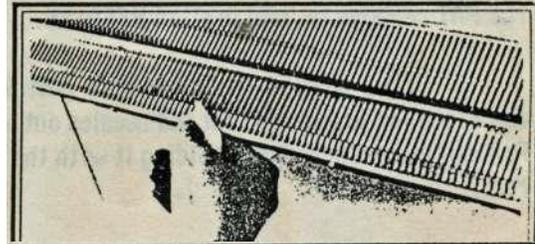
Fig. 1a.:



## 1 b. To bring pushers out of the rail ( without the Deco rail):

Hold the PAT with the pointed end upwards, as shown, open the rail and slide firmly from right to left.

Fig 1b.



## 2. To align pushers in working position: Fig. 2:

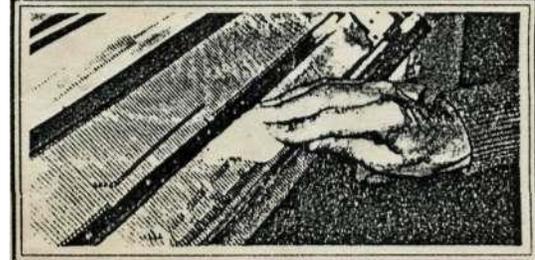
Hold PAT so pointed end moves along top of the blocking rail and slide firmly from right to left. (PAT may be reversed and moved from left to right.)



## 3. To return pushers at rest to rail:

Fig. 3;

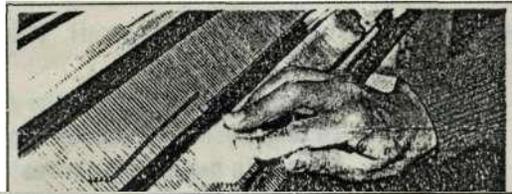
Turn PAT upside down so that long side is up and to the right of pushers. Open rail and slide from right to left. (Reverse direction for back bed.)



**4. To return ALL pushers to rail:**

Turn PAT over so back is toward you, and long side is up and at left of pushers. Open rail and slide from left to right. Reverse for back bed.

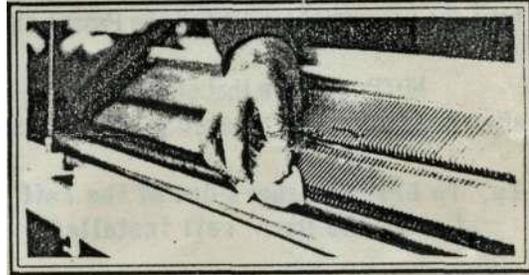
**Fig. 4:**



**BACK BED OPERATION:**

**5. To bring pushers out of blocking rail: Fig. 5:**

Hold PAT as illustrated with back outwards and pointed end downwards. Open rail and slide from right to left.



To bring pushers into working position; return pushers at rest to the rail; or to return all pushers to the rail, reverse instructions for front bed.

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**EXTRA!**

The PAT can also be used to align NEEDLES:

Bring needles from working position to non-working position by using the methods described for bringing front bed needles out of the blocking rail. And, by resting the bottom of the PAT on the needle rail and holding it with the backside outwards, you can take needles from work to rest.

You may find other uses for the PAT - please share them with us and we'll include them in the instruction brochure.

**Manufactured by KAMCQ, Auckland, New Zealand**

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