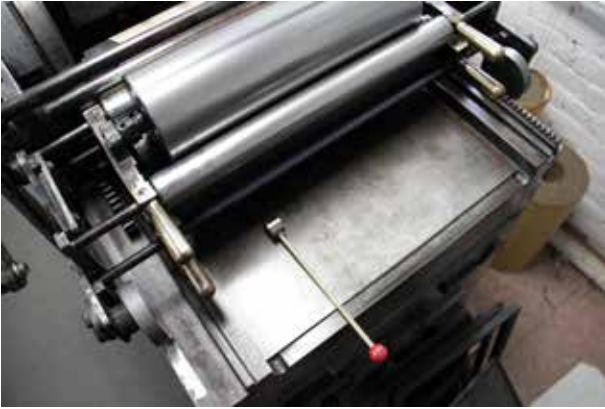


## Vandercook No 4 Roller Adjustment



In trip, crank the print head to the end of the press. Lower the roller assembly. Use the roller gauge curved side up.



The roller gauge should gently slip underneath the rollers with a small amount of resistance. It should feel equal on all rollers.



To adjust, remove the oscillating roller and place at head of press. Keep the form rollers down for constant checking.



Three bolts attach to the roller frame on either end. The middle one is a set screw; the others adjust the roller height.



raise



lower

Loosen the set screws first, then adjust the rollers, using fractional turns. Remember: LEFT=LOWER, RIGHT=RAISE.



Check frequently with the roller gauge until set. Don't forget to re-tighten the set screws when done, or the rollers will shift.

## Vandercook No. 4 Tympan Change



Tools you will need: the crescent wrench and small screwdriver from the tool board, and the tape dispenser.



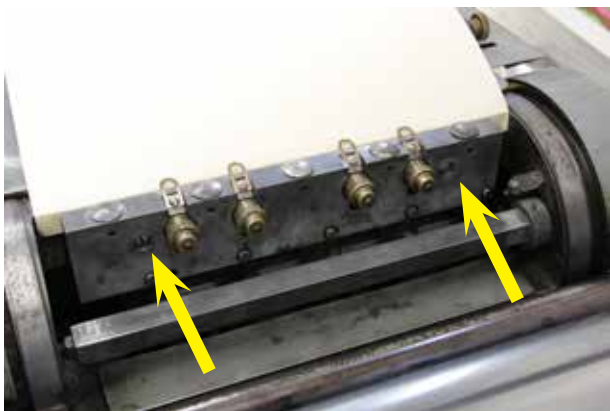
Pop the ratchet pawl on the tympan bar with the screwdriver. Do NOT unscrew the bolt. This releases the toothed ratchet wheel.



Crank the press forward slightly in trip and draw out the old tympan and packing paper.



Stretch the packing and old tympan across the paper board, bringing the press back to home. Pull out the packing sheets.



Loosen the two machine screws holding the gripper plate to the printing drum.



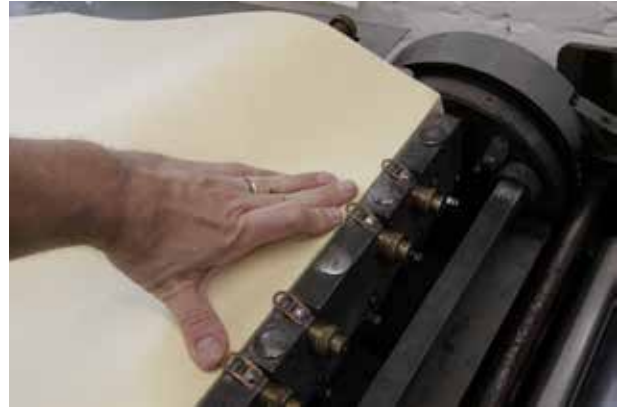
Pull the old tympan off the printing drum. Discard (or display, if interesting enough). Replace packing as needed.



## Vandercook No. 4 Tympan Change



Fold the score line on the new tympan for ease of placement. Slip the folded edge into the seam between gripper plate and print drum.



Make sure the new tympan rests snugly. It should align with the polished area of the print drum; it should not catch in the pressed bed track.



Be sure to tighten down the gripper plate machine screws firmly, or the gripper assembly can shift during printing and possibly come off.



Carefully stack the packing paper under the tympan, again making sure it is aligned with the print drum.



Packing comes in 0.005" and 0.008" thicknesses, located on the right-hand shelves. The No 4 is a 0.040" press; be sure to include 0.006" for the tympan.



Roll the press forward in trip, keeping the tympan and packing pressed firmly against the printing drum.

## Vandercook No. 4 Tympan Change



The tail of the tympan should be left when the print head reaches the end of the pressbed.



Draw the tail under the tympan bar. Make sure the packing does not come loose.



Crimp the end of the tail around the bar and begin wrapping. A piece of masking tape can help secure the tail to the bar.



Flip the ratchet pawl on the tympan bar so gravity makes it rest against the ratchet wheel. Turn bar until finger tight.



Use the Crescent wrench to tighten the tympan. *Do not overtighten – the tympan will tear!* The tympan should be drum-taut when done.



## Weekly Press Lubrication



Use a few drops of blue 3-in-1 oil on a small piece of rag. Rag pieces are in the cubby under the paperboard. Always use a fresh rag.



Wipe the top of the near press rail to the end of the bed. The idea is to renew the film of oil, not to saturate it with puddles.



Wipe the bottom of the rail...



...and the top of the bearing platform.



Crank the printing head forward in trip to lubricate the head of rail as well.



Repeat for the other side of the press – top and bottom of rail and top of bearing platform. Record the date in the log on the wall next to the end of the press.

## End-Of-Day Press Wipedown



Rust never sleeps. WD-40 is here to help.  
Use the dedicated wipedown rag.



Spray WD-40 on the pressbed. Not much is  
needed, just a judicious spritz.



Wipe down the pressbed in its entirety,  
including the guide rails.



Don't forget to crank the press forward to  
get under the paperboard.



Cover the press!



Good to go.



## Refilling The Solvent Dispensers



There are three solvent dispensers to keep full. Never leave a solvent can empty. Be sure to use gloves while handling solvents.



The NTT Wash dispenser simply unscrews. For Super Rubber Rejuventor or Ultimate Orange, align tabs and pull off (shown here.)



Align nozzle of pump with opening in dispenser. Make sure the nozzle is inside the container.



Pump carefully, being mindful of the level of solvent in the container. This is especially important with NTT Wash.



When container is full, tilt back solvent pump so that no fluid emerges from the nozzle. This is important to prevent siphoning.



Reattach top to dispenser; close flammables cabinet.



To start a cutting operation, release the setscrew to allow the crank to move.



Crank the backstop into position for the appropriate cutting depth.



The distance from the blade forward is measured by the integral ruler on the cutter bed.



The distance behind the blade to the paper backstop is measured by the tape. It is good to  $\pm 1$  mm.



Place scrap paper above the paper stack to take the clamp pressure, and below the stack to allow the blade to cut cleanly through the stack.



Spin the clamp wheel to drop the clamp down on the paper stack. Be sure the paper stack is secure, or else you will cut trapezoids, not rectangles.





The red failsafe prevents the blade from moving down until released. Press the top bar to move out of the way.



Make sure you have control of the cutter handle, and release the failsafe.



Cut with an even, controlled stroke. Do not put undue pressure on the machine.



Loosen the clamp wheel to release the paper stack from the clamp.



Pull the stack from behind the cutter.



Dispose of any scrap paper in the recycling.

## Miscellaneous Useful Information



Eye wash is available for any emergency. Don't question, just use. Open and squirt. Use several if needed.



With the fan, use intake for cooling, exhaust for removing solvent fumes. To open the window, refer to the video on the website blog.



The window must be open to use the fan. In winter, be sure to close the window before leaving the studio. The video helps here, too.



Recycling and trash receptacles. Notice the recycling symbol on the blue can. Recycle if possible. If it's gross, use the trash.



Your studio entertainment center. Radio, CD player, amplifier. Bluetooth and headphone jack available. Wiggle the input selector if the sound gets crackly. Enjoy the jazz.



Note the doorbell on the very left-hand side of the building. Can be useful if another renter has the keys and has locked the second floor doorway.