## The Galley

The Galley mechanism takes the completed lines from the Type Channel, tests them for length, and places them in the Galley; any metal-bottomed Galley may be used. As this movement must not occur until (the last letter of the line has been placed in the Type Channel, means are provided for starting, or "dripping," the Galley as soon as this letter is delivered from the Type Carrier.

The Calley may be divided into five parts: First, the driving mechanism, including means of tripping. Second, the lane Hock, which writes to the right, engaging the last letter of the line, and pullet the completed into forward in Fourth of the Calley. Third, the Column Pusher, which pushes the line from this position on the column Pusher, which pushes the line from this position on the column Pusher, which pushes the line from this position of the column Pusher, which pushes the line from the position of the column Pusher withdraws. Fifth, the siring mechanism, which stops the machine if the line to too look up properly.

The Galley Cam moves the Line Hook; Column Pusher and Rule. It is attached to the Galley Cam Service with its carried in a bearing in the Galley Cam Stand. Through this Sheeve passes the Galley Cam Start. This is dividen by its Worm Well Calley Cam Start is the Cam Shaft Racket which rotate constantly making one recolumned of the machine. When a line is to be put on the Galley, the making one revolution of the machine. When a line is to be put on the Galley, the making one resulted with the Galley Cam Shaft, makes one revolution with it and then is disconnected and arons, remaining at rest until the next line is ready. This connection is made by the Galley Cam Dalley makes one revolution of Rackets.

The Pawl is held out of contact with the Ratchet by the Galley Trip Lever. When the Galley is tripped, the right hand end of this Lever is moved forward and the left hand end moves back and releases the Pawl. At once the Pawl Spring engages the Pawl in the Ratchet, causing the Galley Cam and Galley Cam Shaft to rotate as one piece, for one revolution.

As soon as the Pawl has been tripped, the Trip Lever is returned to its original position by the Calley
Trip Lever Spring. As the Cam completes its recolution, the Pawl strikes the Trip Lever and is littled from
the Ratchet. The Galley Cam Driving Pawl Sop Prin strikes the Pawl and prevents the Cam from recolving
further. At the same time the Calley Trip Lever Latch drops behind this Pin so that the Cam cannot recol
when its Stop Pin strikes the Pawl.

The Galley Trip Lever is operated by the Galley Trip Rod, the rear end of which carries the Galley Trip Rod Arm. The Galley Trip Rod Arm Rods Lever is informed at its center upon this lever, and its ends bear against the Justification Wodge Levers, respectively. When either of these Levers is raised, to change the position of the Justification Wodges, the Galley is tripped by the Trip Rod moving forward. As soon as the Lever falls, the Pump Trip Spring restores the Trip Rod. Thus the justification perforations in the paper have two functions: First, they set the Wedges for the proper size spaces for the line about to be cast; and, second, they trip the Galley to remove the line just completely.

The rise of either Wedge Lever will rip the Galley, except when double juntification is used, when both Levers must be lifted together. Galley, therefore, rips when the first junitification performance is presented in the property of the

In casting double justified matter, that is, lines in which the location of the Justification Wedges at changed two or more times in the same line is coder that different portions of the whole massure may be carried to the contract of the same assure may be carried to the contract of t

When the Keybaard operator finishes a line of double justified matter, he reads the Scale, strikes first upper Justification Key, but in striking the lower be strikes the Key indicated by the Scale and, at the same time, the Key directly above it. Thus two justification perforations are made and the Galley is tripoed as described. For example, if the Scale indicated the justification 7-14, the seven Key would be struck as usual, but both fourteen Keys would be struck together. Striking the two together produces three perforations in the ribbour; the perforations for both justification rows and the perforation for the unit row in which the number fourteen Justifications for both justification towes and the perforation for the unit row in which the number fourteen Justifications Key is located; that is, the fifteen unit row. When these three perforations reach the Caster, both justification Are Piras are blown up and, therefore, both Wedjes are little dard moved to the fifteen unit position, intributions, the first are both Leven to the Caster, both Wedjes are unit rowition, there is the Caster of the Caste

The Line Hook, fulcrumed upon the Line Hook Carriage is operated by the Line Hook Operating Bir. and soir which fine wore the Line Hook Lever. The Bir as coupled to the Line Hook Operating Silds which is moved forward and back for one revolution of the Galley Cam by the Line Hook Operating Silds which are considered to the Line Hook Operating Silds which were the Line Hook Carriage Silds which were the Line Hook Carriage C

As the Bar is moved forward by the Operating Slide the roar end of its slot strikes the Line Hook Lever. Since its Carriage is provided with a friction brake, it is easier for the Bar to wring the Hook to the right into position to engage the type than to move the Carriage. But when the Hook can swing no further, the Bar draws the Carriage forward until the Hook has moved the last type in the line just past the fixed Type Channel Block. The forward movement of the Bar is then stopped by its coming in contact with the Line Hook Operating Bar 7800; Further movement of the Line Hook Operating Bar until the lost motion in fixed the both the Carriage Slide does not move the Operating Bar until the lost motion in fixed has been fixed to the contract of the Bar face when the Line Hook to the left, and then moves the class of the fixed with the Line Hook to the left, and then moves the class the Carriage reaches the end of its stroke; that it, until it strikes the Main Stand. Any further movement of

When the Column Pusher has placed the line on the Galley, the Operating Slide moves back, and with it the Operating Barr. As soon as the Slide overstakes the line Support it pushes it back into its position of rest, just in front of the Type Channel ready to support the line as it leaves the Channel. The Line Hook, however, remains stationary until the lost motion in the slot in the Bar is taken up as described.

Two Line Supports are provided for type from five to eight point inclusive, and from nine to twelve point. They are changed by withdrawing the Operating Slide Latch so that the Support may be slid past the Operating Slide out of the Column Pusher.

The Column Pusher pivoted upon the Falicrum Screw is moved to the right by the Column Pusher Lever, acting through the Column Pusher Spring flow until the tepp line is pauled flar enough under the Rule so that this will not strike it as it descends to support the line. It is moved back by the Column Pusher Anglessing Server. This support by the Column Pusher Anglessing Server. This Spring until it is stopped by the Column Pusher Anglessing Server. This Spring was that the face of the Column Pusher and the Spring Server is the Spring was that the face of the Column Pusher may stand, in its position of rest, a very little to the left of the Adjustable Type Channel Bock, in order that the type may pass it freely without catching upon it of falling as they leaves the Channel.

The Rule is raised by the Rule Lever just as the Pusher moves to the right to put the line on the Galley as soon as the type passes under it, it descends so that it just clears the Pusher. This prevents the type from falling to the left when the Column Pusher withdraws. As soon as this happens the Rule descends and rests upon the Type Channel Plast. The sizing mochanism is provided to stop the Caster in case the Keyboard operator makes a mistake in justification, causing the machine to east a line either too long or too short to lock up properly. The Operating Lever is pushed to the left to start the machine, and acting through the Operating Lever is pushed to the left to start the machine, and acting through the Operating Lever show the Belt Shifter Rod overcoming the pressure of left Shifter Rod Spring and pushes the Belt back one and the property of the Belt Shifter Spring and pushes the Belt back one pushes the spring and pushes the Belt Shifter Spring. To shift the Belt to the Loose Pulley and stop the machine, this Larch is moved to the right, releasing the Operating Lever and allowing the Rod Spring to move the Shifter Spring and and shift the Belt shifter Spring. To