THE TOP FLYTE 'C' FORMER

GENERAL DESCRIPTION

The Top Flyte 'C' Former is essentially a drainage unit, consisting of a set of rolls carrying a wire, a set of deflectors and a saveall system, which is mounted on top of a Fourdrinier.

The combination of the Top Flyte 'C' Former and the Fourdrinier results in a horizontal converging forming zone which simulates a twin wire sheet formation and thus gives similar sheet characteristics.

The function of the Top Flyte 'C' Former is the removal of water and the redistribution of fibres.

The drainage elements consist of water deflectors mounted on both the Top Flyte 'C' Former and the Fourdrinier plus an open roll which expels the water drained from the top side of the sheet into the main saveall. The wire connecting surfaces of the deflectors are of ceramic material which reduces friction wear and general maintenance. The deflectors control the convergence of the Top Flyte 'C' Former wire to the Fourdrinier wire and are adjustable. The expelled water is discharged into the saveall system from which it returns to the customer's white water system.

The Top Flyte 'C' Former is of the cantilevered design with quick wire change features.

All elements of the Top Flyte 'C' Former are individually described in the following pages with suppliers maintenance manuals included.

S.O. 1198

ALIGNMENT FOR TOP FLYTE 'C' FORMER

The following steps outline the procedure to align the Top Flyte 'C' Former to the fourdrinier.

PART 1 (See Fig. 1)

1) Establish fourdrinier datum line.
   a) Level and align vacuufoil or last foil box ahead of 'C' Former.
   b) Level and align first or second flatbox after 'C' Former.
2) Level and align bottom deflector blades to datum line (refer to S.O. 1121).
3) 'C' Roll and top deflector can now be set to "tight wire" for leveling and scales and pointers set to zero.
4) Set the first bottom deflector 7" ahead of the 'C' roll.
5) Set the second bottom deflector 13" after the 'C' roll.

PART 2 (See Fig. 2)

1) Set the curved transfer box so that the leading edge is 17" behind the leading edge of the second bottom deflector.
2) Raise, level and align the transfer box (rotate as required) until highest point at center of cover is 0.75" above datum line.

PART 3 (See Fig. 3)

1) Take a tight line from the curve transfer box to the couch.
2) Shim the flat box support or flat boxes to the new "tight line".

PART 4 (See Fig. 4)

1) Set 'C' roll to 0.50" below the datum line.
2) Set the top deflector 0.625" below the datum line.
3) Establish "tight line" from first bottom deflector to the curve transfer box.
4) Rotate last bottom deflector (while maintaining blade tip in position) level with new "tight line" (see Fig. 5).

Refer to General Assembly drawing sheet #5

S.O. 1198

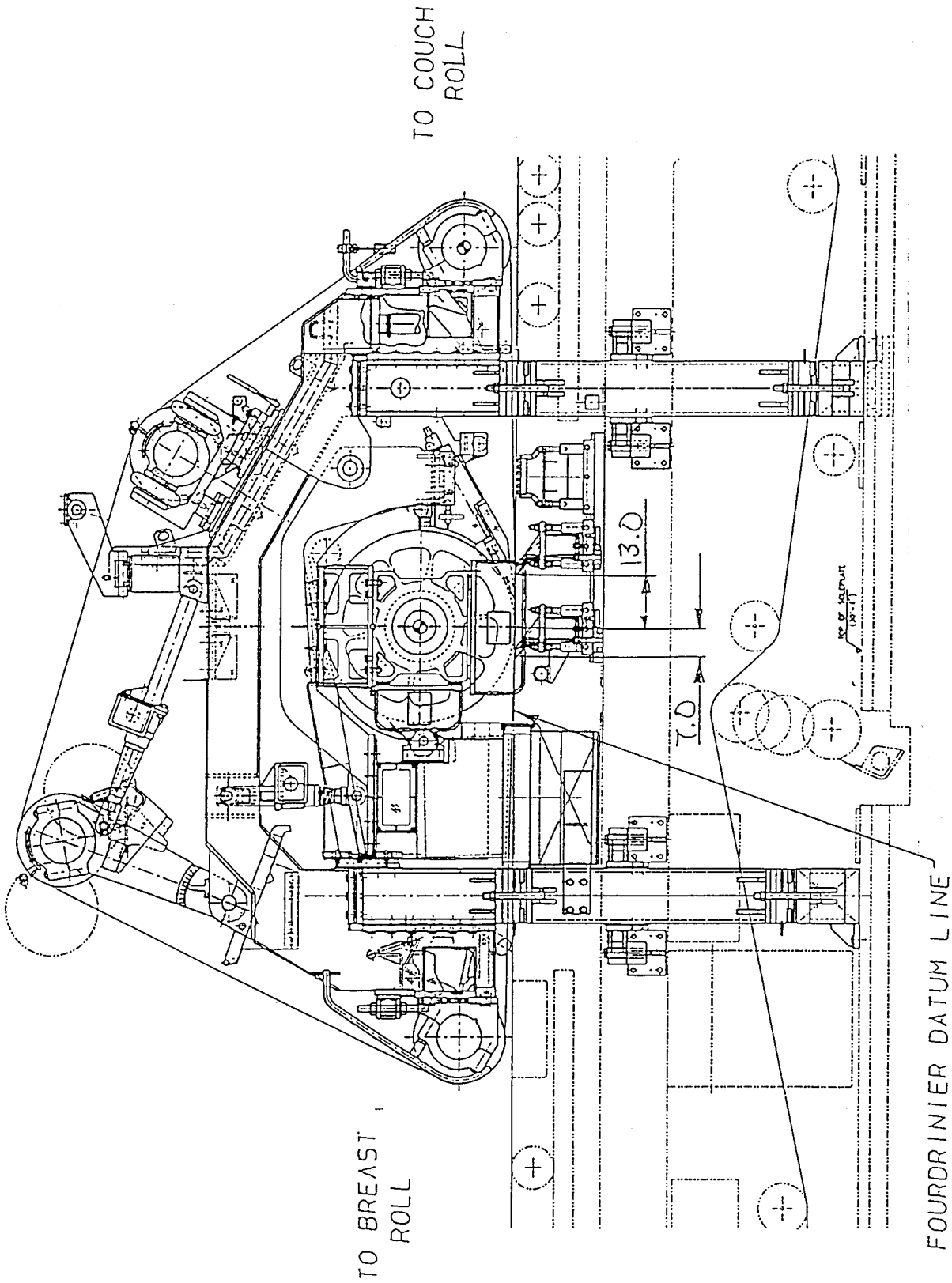


FIG. 1

S.O. 1198

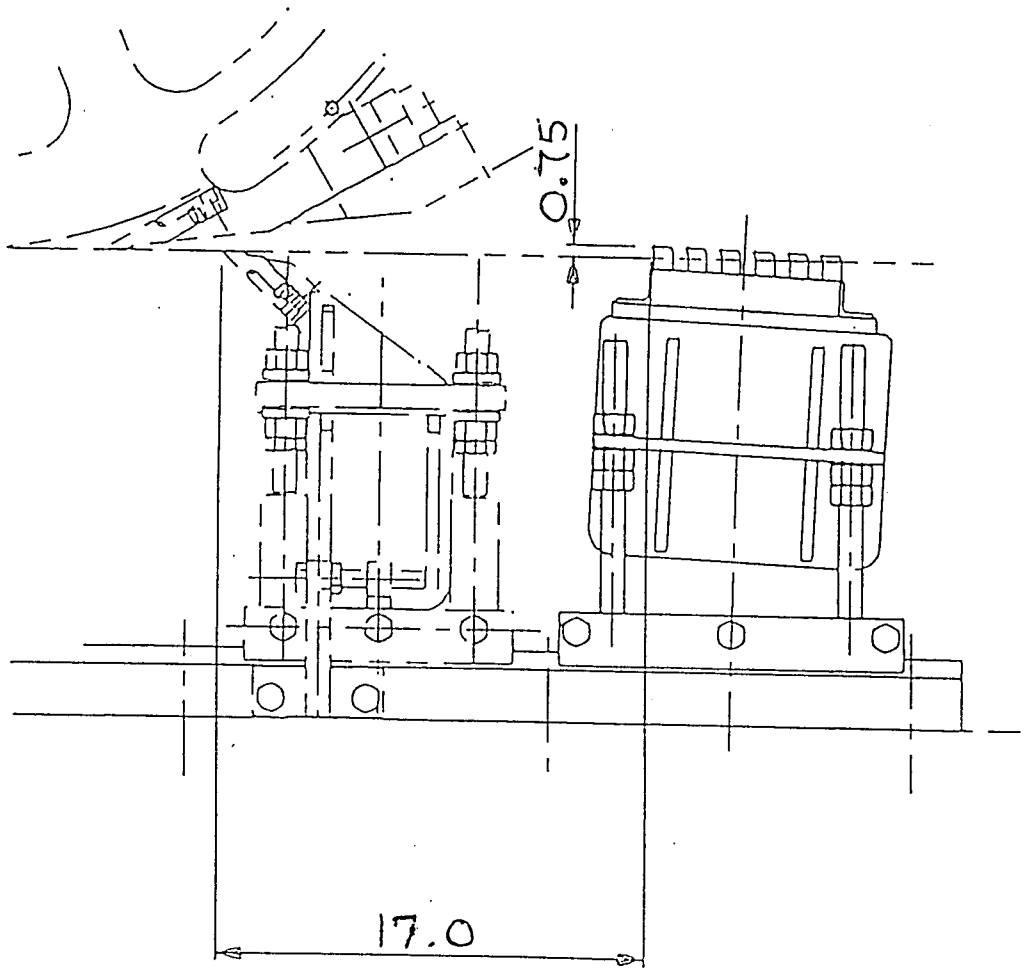


FIG. 2

S.O. 1198

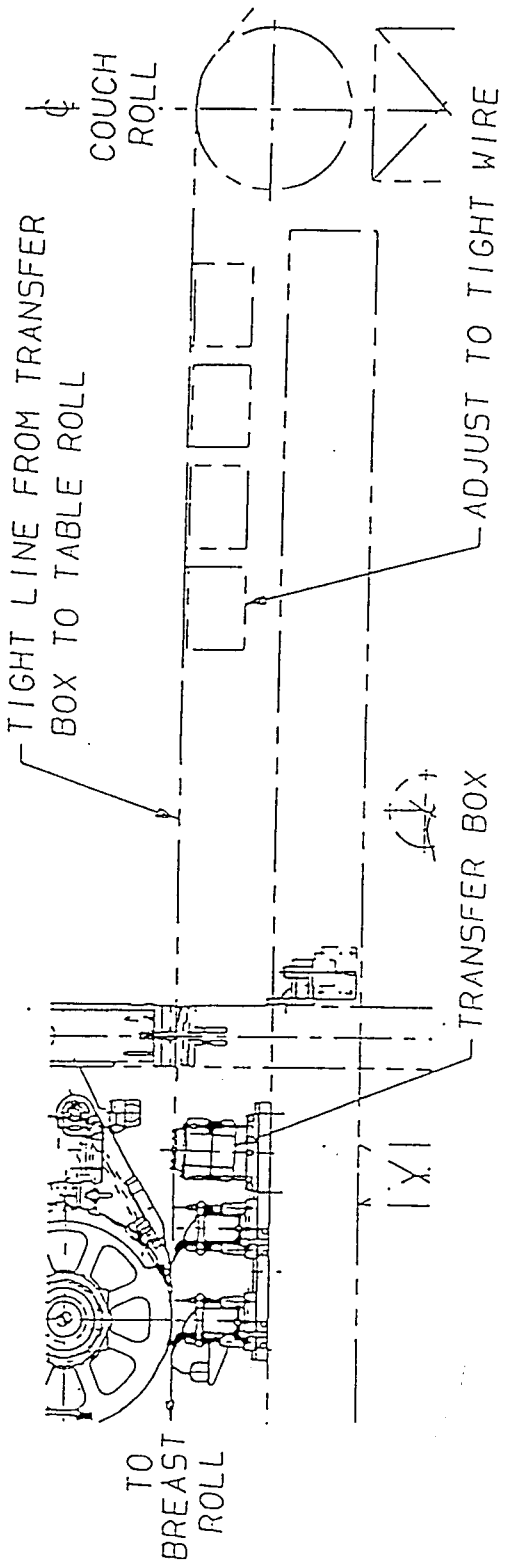

COUCH ROLL
TIGHT LINE FROM TRANSFER BOX TO TABLE ROLL
ADJUST TO TIGHT WIRE
TRANSFER BOX
TO BREAST ROLL

FIG. 3

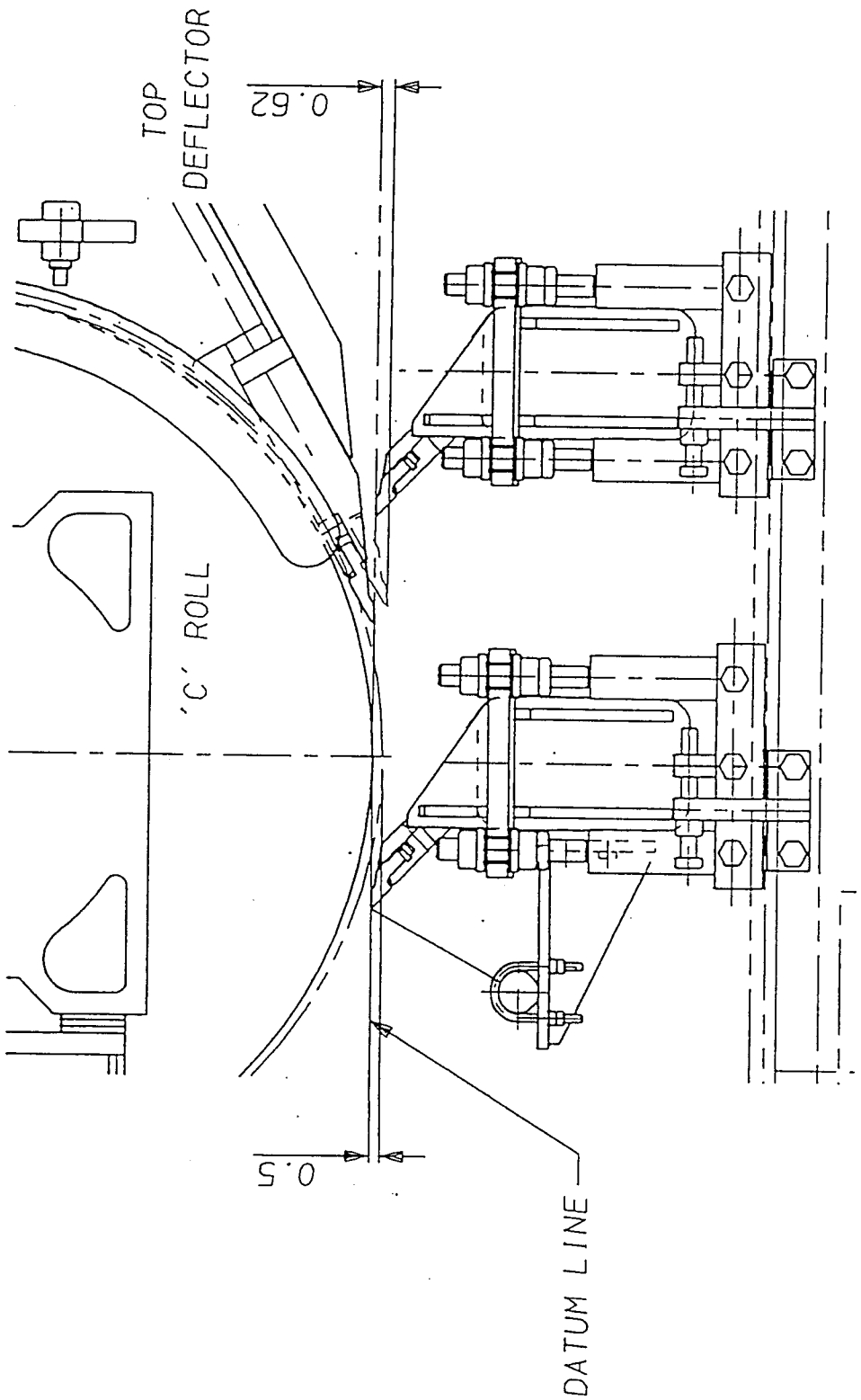
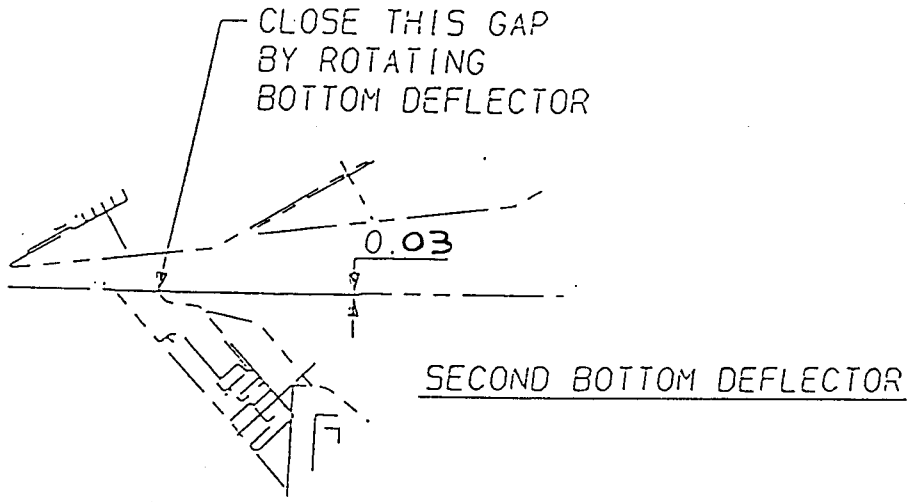

TOP DEFLECTOR
0.62
'C' ROLL
SECOND BOTTOM DEFLECTOR
FIRST BOTTOM DEFLECTOR.
0.5
DATUM LINE

FIG. 4


CLOSE THIS GAP
BY ROTATING
BOTTOM DEFLECTOR
0.03
SECOND BOTTOM DEFLECTOR

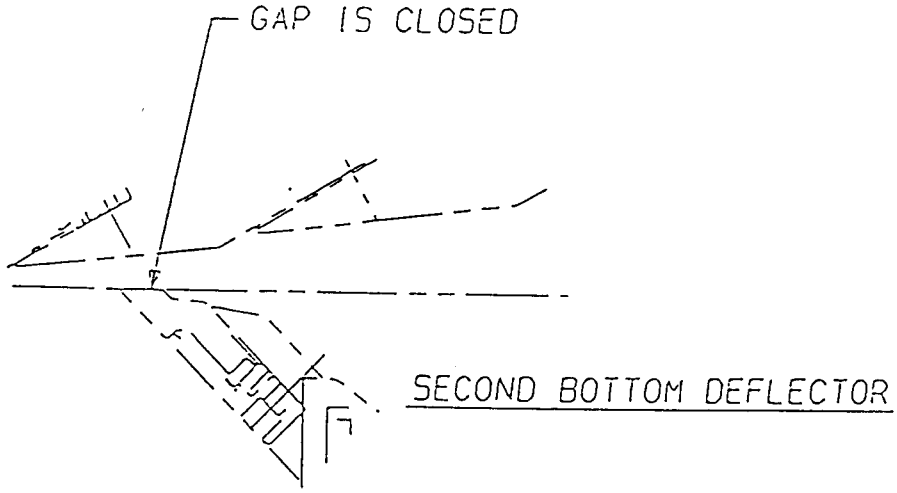

GAP IS CLOSED
SECOND BOTTOM DEFLECTOR

FIG. 5