

203

**CALL OFFICES AND SUBSCRIBERS' COIN-BOX INSTALLATIONS
(PAY-ON-ANSWER WORKING)**

Installation

1. Scope of Instruction.—This Instruction describes the installation of pay-on-answer coin boxes and associated equipment in Kiosks Nos. 1, 2, 3, 4 and 6, cabinets, recessed call offices, and subscribers' premises. The equipment used is described in D 1001.

CALL OFFICE INSTALLATIONS

2. Types of wallboard.—Table 1 lists the wallboards described in this Instruction and the circumstances in which they are used. Typical wallboards are illustrated in Figs. 1, 2, 3 and 4.

3. Wallboard D 1/60577.—This wallboard comprises the upper half of a complete wallboard assembly. The fitting instructions and a description of the wallboard are given in D 3003.

★4. Wallboard D 2A/60577 and associated items.—This wallboard may be supplied in lieu of Wallboard D 3/60577 and includes a Container No. 2 and Bracket, Mounting, D 91092. Fixing detail is as for the Wallboard D 3/60577.

★5. Wallboard D 3/60577 and associated items.—This wallboard, comprising the lower half of a complete assembly, includes a Container No. 5 and a Bracket, Mounting, D 91092 and is used when a Box, Coin-collecting, No. 705 has to be fitted. The wallboard has seven fixing holes, four near the corners and three others fitted with recessed bushes towards the centre. Before the wallboard is secured the earth wire and line wires should be threaded through the holes

provided. When an existing installation is being converted to pay-on-answer working it may be necessary to lengthen or renew the telephone lead-in and earth wire. Lead-sheathed cables should be jointed in accordance with LINES, Underground, F 3220 and polythene cables in accordance with LINES, Underground, F 3233. Joints in earth wires should be soldered or made with a Connector, Porcelain.

★6. Fitting in Kiosks No. 6 (Mk. 2).—The wallboard should be bolted to bosses on the back panel by four Screws, $\frac{1}{4}$ in. B.S.W. \times 1 in., Rd. Hd., Brass (recovered with an existing wallboard or supplied with a new kiosk) and three Screws, $\frac{5}{16}$ in. B.S.W. \times $\frac{3}{8}$ in., Socket Head (supplied with the wallboard).

★7. Fitting in Kiosks No. 6 (Mk. 1).—Two wooden battens 1 in. \times 1 $\frac{1}{2}$ in. \times 10 in. should be screwed to the rear face of the wallboard covering the three central fixing holes. Fix the wallboard temporarily to the back panel of the kiosk and using the central fixing holes as guides drill three holes with a $\frac{1}{4}$ in. drill through the battens and the back panel. Remove the wallboard and enlarge the holes in the battens to $\frac{9}{16}$ in. and tap the holes in the back panel to take a $\frac{9}{16}$ in. Whitworth bolt. In certain Kiosks No. 6 (Mk. 1), where attempts to remove the coin-collecting box forcibly have been made, these holes will already have been tapped. The wallboard should then be bolted to the back panel by four Screws, $\frac{1}{4}$ in. B.S.W. \times 1 in., Rd. Hd., Brass and three Screws, $\frac{5}{16}$ in. B.S.W. \times 1 $\frac{3}{8}$ in., Socket Head (obtained by local purchase). If

★TABLE 1

Wallboard	Referred to in par.	Use of wallboard
D 1/60577	3	Upper wallboard for public call offices
D 2A/60577	4	Lower wallboard for public call offices
D 3/60577	5-16	Lower wallboard for public call offices
D 4/60577	18-22	Lower wallboard for public call offices where L.P.A. directories used
D 1/63747 and D 2/63747	17	Generally similar to D 1 and D 2/60577 but 2 ft. 2 in. wide. Used in narrow cabinets. D 2/63747 is modified to carry a Bracket, Mounting, D 91092 where a Box, Coin-collecting, No. 705 is fitted. (These wallboards are now obsolescent)
D 91128		25
Wallboard ...in. \times ...in.	24	Exists in many subscribers' installations and in certain circumstances is modified to carry a Box, Coin-collecting, No. 700

difficulty is experienced in obtaining these screws locally, they may be obtained in boxes of 100 from:—

Guest, Keen & Nettlefolds (Midlands) Ltd.,
24 Heath Street,
Birmingham, 18

or The Unbrako Socket Screw Co. Ltd.,
Burnaby Road,
Coventry

or, in smaller quantities not less than ten from:—

Nettlefold & Moser Ltd.,
178 Borough High Street,
London, S.E.1

★8. **Fitting in Kiosks Nos. 1, 2, 3 and 4, cabinets and recessed call offices.**—In addition to the vertical battens, horizontal battens should be fitted with centre lines 3 ft. 7 $\frac{3}{4}$ in. and 2 ft. 4 $\frac{3}{4}$ in. from the floor. In Kiosks Nos. 1 and 3 steel angle brackets (made or purchased locally) may be used to secure the new battens to the existing battens. In Kiosks Nos. 2 and 4 the battens should be bolted to the back panel by Bolts, $\frac{1}{8}$ in. B.S.W. \times 2 $\frac{1}{4}$ in., Csk. Hd. (purchased

locally). Two holes should be drilled and tapped in the back panel for each batten. In cabinets and recessed call offices the battens should be screwed to the back panel by Screws for Wood, Steel, Csk. Hd., 1 $\frac{1}{2}$ in., Size 14. The wallboard should be screwed to the battens by four Screws for Wood, Steel, Japanned, Rd. Hd., 1 $\frac{1}{2}$ in., Size 14 and three Screws for Wood, Steel, Japanned, Rd. Hd., 1 $\frac{1}{4}$ in., Size 12. The visible edge between the upper and lower wallboards should be 3 ft. 8 $\frac{1}{2}$ in. from the floor.

★9. **Box, Coin-collecting, No. 705.**—To fit the Box, Coin-collecting, No. 705 to the Bracket, Mounting, D 91092, the Cover No. 50A, Mechanism No. 20 and Front No. 10 should be removed. Check that the adjustable bosses in the backplate, which are reversible, are in the correct position to receive socket-headed screws. Place the keyhole slots of the coin box backplate (inside the cash compartment) over the fixing studs on the lower part of the bracket. Screw in or out the backplate adjustable bosses which are fitted in the backplate so that the backplate is vertical, firmly seated against the bracket and not

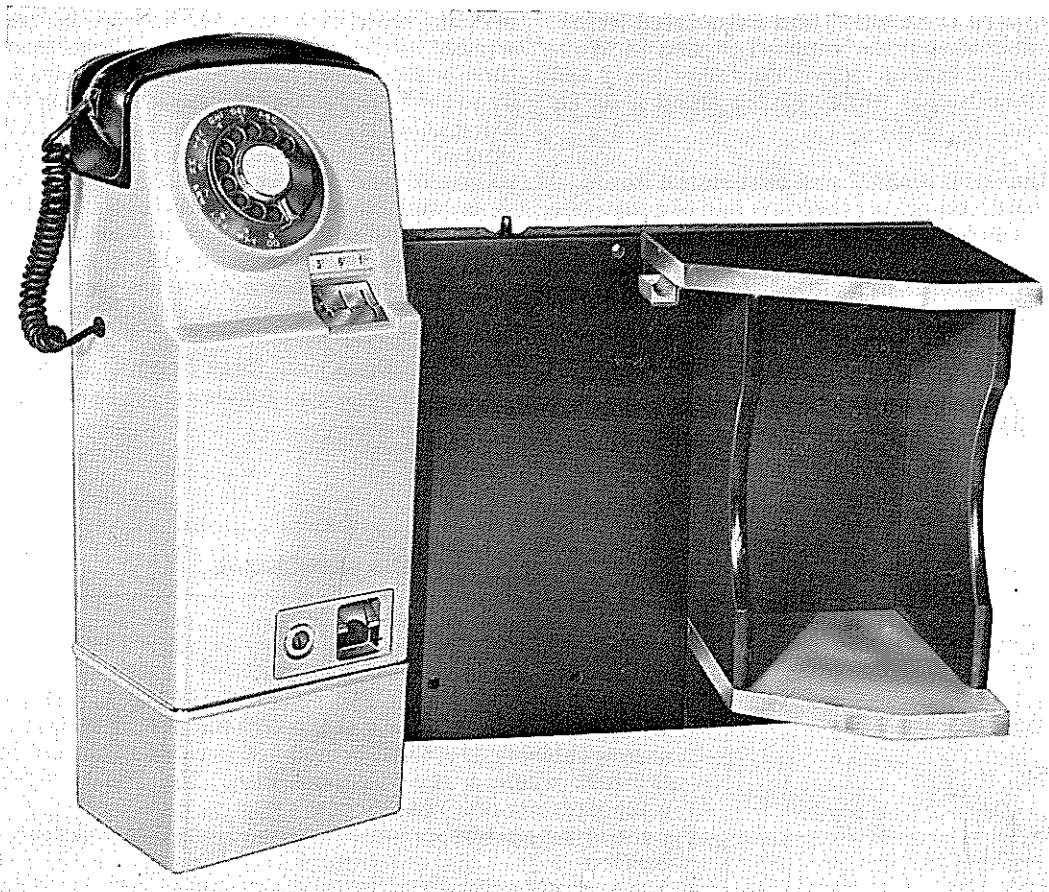


FIG. 1.—WALLBOARD D 2A/60577

liable to be distorted when finally bolted into position. The plastic foam on the bracket will be compressed by the backplate so that there is no visible gap between the bracket and backplate. The coin box should then be bolted to the bracket by two Screws, $\frac{5}{16}$ in. B.S.W. $\times \frac{7}{8}$ in., Socket Head (supplied with the bracket) passing through the adjustable bosses into the special nuts on the bracket.

Terminate the telephone cable and earth wire on the 'B' terminal block of the coin box (Dgm. N 805). Refit the Mechanism No. 20. Fit a Box, Coin-collecting, Parts: Lock No. 39... (recovered from the existing coin-collecting box, or obtained from the Supplies Dept.) to the Cover No. 50A. Box, Coin-collecting, Parts: Lock No. 31 must not be used with the Box, Coin-collecting, No. 705 and requisitions for Locks No. 39 should be endorsed 'Boxes, Coin-collecting, Parts: Locks No. 31 not acceptable'.

To fit and adjust the lock remove the cover locking plate, the lock retaining screws, the label housing

and the adjustable plate from the cover locking plate. Place the lock in the lock mounting and replace the cover locking plate. Each lock retaining screw is provided with two washers of different thickness, one of 10 mil and the other of 28 mil. Thus four positions of the lock can be obtained between the lock and the lock mounting:—

- (a) No washers
- (b) 10 mil
- (c) 28 mil
- (d) 38 mil (10+28 mil)

Fit the lock in the position that permits the lock bolt to pass smoothly behind the angled locking plate and permits a maximum of 30 mils estimated forward play when the cover is locked to the cash compartment. Spare washers should be placed under the heads of the lock retaining screws. Replace the label housing and the adjustable plate to the cover locking plate, ensuring that it is in the position which gives the

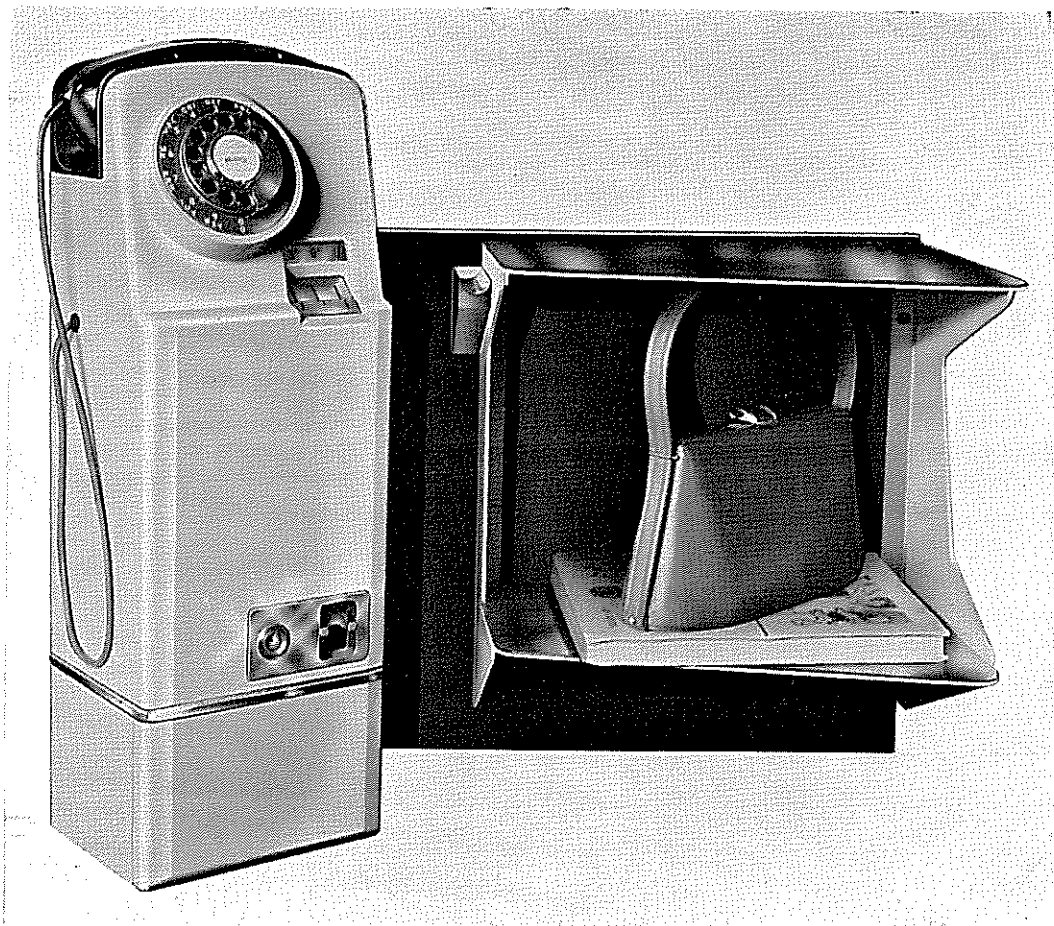


FIG. 2.—WALLBOARD D 3/60577

minimum clearance between the edge of the plate and the lock bolt. This plate is reversible and has two sets of fixing holes which enable it to be fitted in four different positions.

If the cover locking mechanism is of an earlier issue with a sliding locking bar the locking lever and label housing must be removed and the lock fastened to its mounting by the four screws supplied with the cover. The lever and label housing should then be refitted. The two projections on the right-hand side of the lever should engage with the upper and lower surfaces of the lock bolt and the left-hand projection should slide in the groove of the locking bar. Care must be taken to ensure that the locking lever spring is positioned over the left-hand edge of the lever. The locking bar is fitted with an adjustable stop. The small projection of the stop should lie between the spring and the locking lever. If necessary, the stop should be adjusted as follows:—

- (a) Turn the lock to the unlocked position.
- (b) Loosen the locking-bar stop fixing screw and slide the stop until it rests against the locking lever.
- (c) Tighten the screw.
- (d) Replace the cover and check that the key can be turned to the locked position without force and the key removed.
- (e) Turn the key to the unlocked position. Raise the cover $\frac{1}{16}$ in. approximately and turn the key gently towards the locked position until resistance is felt. This occurs when the locking bar engages with the locking stud. Check that the key cannot be withdrawn with the lock in this position.
- (f) If difficulty is found in meeting condition (d) a small clearance between the stop and the locking lever is permissible provided condition (e) is satisfied. Difficulty may be due to the top right-hand lug of the

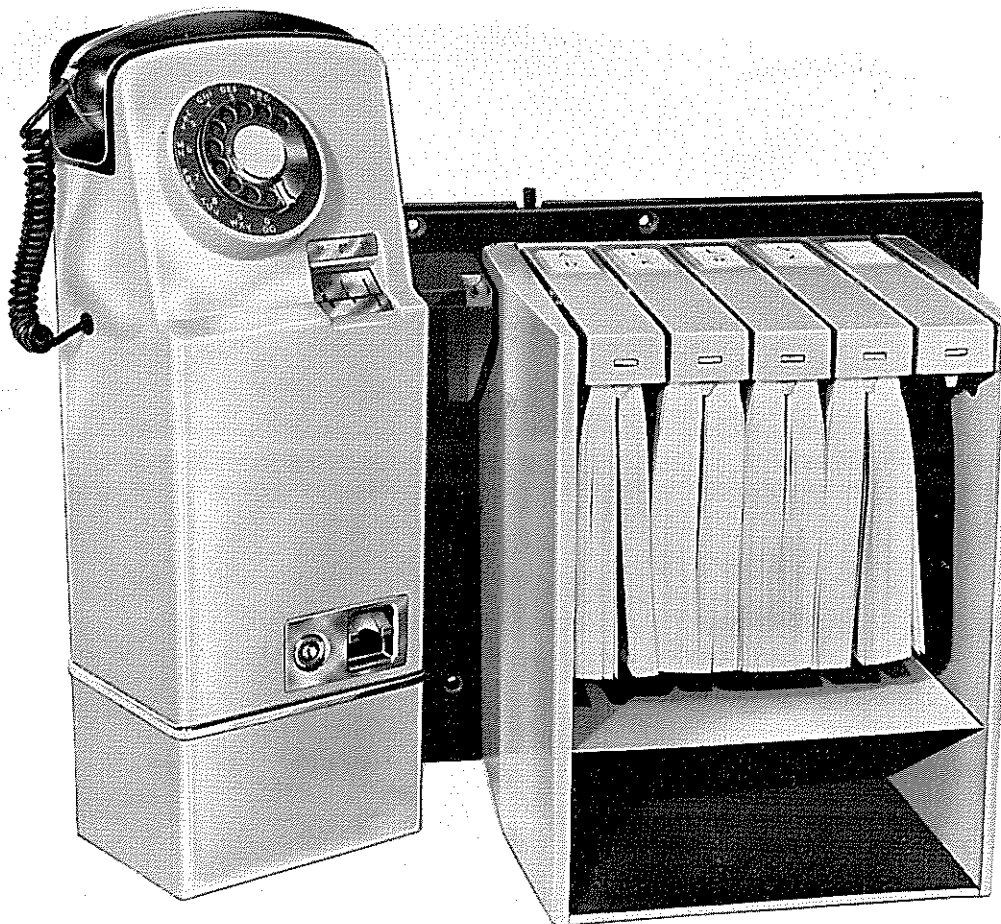


FIG. 3.—WALLBOARD D 4/60577

locking lever fouling the lock wards. This lug may be adjusted by bending towards the lock backplate to ensure full engagement with the lock bolt.

Fit a Lock No. 6M to the Front No. 10 and slide the front into position on the cash compartment. The lock should be slid approximately into position in the lock housing and then finally adjusted to give a smooth operation by pressure on the key inserted in the keyhole. The lock will be held in the chosen position by the strong spring provided in the base of the lock housing. (*NOTE*:—The Front No. 10 cannot be fully closed and the lock cannot therefore be thrown unless a cash container is in position.) The lock would normally be provided by a collector who

will also fit a Container, Cash, No. 5. If it is not possible for a collector to be present a temporary lock and a Box No. 4 should be fitted. In this case a wad of paper or similar material should be placed between the Box No. 4 and the Front No. 10, to permit the latter to be fully closed. The Box No. 4 and the Lock 6M will be returned to the T.M. (Eng. Divn.) by the Head Postmaster in due course.

Where a Box No. 4 is to be used permanently in place of a Container, Cash, No. 5, release the front end of the cash container stop spring from its anchorage.

★10. **Protectors in kiosks.**—Where a protector is needed, a Box, Weatherproof, CD 364, which is



FIG. 4.—WALLBOARD D 91128

designed to house a Protector and Fuse No. 1½, should be fitted on the back panel of the kiosk. Telephone cables and the earth wire should be protected by Conduit No. 2A. This work should be carried out by staff used to working with conduit. Wherever possible the overhead line should be terminated on Insulators No. 16 and Protectors, Insert for Insulators fitted as described in LINES, Overhead, G 3008.

11. Fitting of Boxes, Weatherproof, CD 364.—

(a) In Kiosks Nos. 2, 4 and 6 the box should be fitted with the entry holes to the left so that the lower left-hand corner of the box is 6 in. from the kiosk floor and 4½ in. from the left-hand pillar. The back panel of the kiosk should be drilled (using a $\frac{3}{16}$ in. drill) and tapped to take three $\frac{1}{4}$ in. B.S.W. \times $\frac{1}{2}$ in. Rd. Hd. fixing screws (obtained by local purchase).

(b) Before a Box, Weatherproof, CD 364 is fitted in a Kiosk No. 1 or 3, it should be ascertained that the kiosk is not due to be changed because of poor condition. If such a change is proposed it should be made before the box is fitted. The box should be fitted with the entry holes to the right so that the bottom right-hand corner of the box is 6 in. from the floor of the kiosk and 7 in. from the right-hand corner. Three holes should be drilled through the back panel of the kiosk using a Bit, Wall, Hard-tipped, $\frac{3}{16}$ in. The box should then be bolted to the back panel by three Bolts, $\frac{1}{4}$ in. B.S.W. \times $2\frac{1}{2}$ in. (obtained by local purchase). A washer must be placed under the bolt head which should be on the outside of the kiosk.

12. Protection of leads.—Leads and earth wire should be run in conduit from the lead-in point to the Box, Weatherproof, CD 364 (which has two entry holes threaded for Conduit No. 2A) and from the box to a point 3 ft. from the kiosk floor. The brass bush supplied with the Box, Weatherproof, CD 364 should be recovered. The upper length of conduit should be fixed behind the wallboard by a Saddle, Conduit, No. 2A. In Kiosks Nos. 2, 4 and 6 tapped fixing holes to take two Screws, Iron, Whitworth Thread $\frac{3}{16}$ in. \times $\frac{5}{16}$ in. long, with Rd. Hd. (R.B. item) are provided just above the bottom left-hand edge of the wallboard. In Kiosks No. 1 and No. 3 (Mk. 234), there are two hardwood plugs just above the bottom right-hand edge of the wallboard. The saddle should be fixed to the plugs by two Screws for Wood, Steel Japanned, Rd. Hd., 1 in., Size 8. In Kiosk No. 3 (Mk. 2), there is a conduit clip on the right-hand wallboard batten.

On new installations the lead-in cables should be run in conduit brought in through the concrete floor to the Box, Weatherproof, CD 364. On existing installations a number of leading-in arrangements may be encountered and any suitable arrangement of conduit from the lead-in point to the box may be used so long as the following principles are observed:—

(a) The cable must be continuously protected.

(b) If an asbestos lead-in duct is in use, the space between the duct side and the conduit must be filled

so that the kiosk floor is level and there are no crevices in which coins may be lost.

(c) Any connexions between lengths of conduit must be firm and secure and should normally be made by means of a Coupling, Conduit, No. 2A or a Bend, Conduit, No. 2A. If a lead-in conduit protrudes through the floor for a very short distance and the connexion cannot be made by the normal means the following method may be adopted:—Chip away the concrete round the existing conduit to a depth of 1 in. Slide a 4 in. length of Conduit No. 3A over the existing conduit and seal into the floor with a cement fill. The new length of Conduit No. 2A should then be slid into the Conduit No. 3A and secured by fixing to the Box, Weatherproof, CD 364.

★13. Termination of cables on protectors.—The telephone cables should be terminated on the protector in the usual way. Four strands of the earth wire should be unravelled, cut back, lapped and soldered round the remaining three strands within the Box, Weatherproof. The remaining three strands should be wrapped once round the earthing screw (which should be refitted inside the Box, Weatherproof) and then taken on to the earthing boss. If no earthing boss exists the earth wire should be terminated on the earth screw and a length of Wire, P.V.C., No. 1, 1 Wire $9\frac{1}{2}$... run from the earth terminal of the protector to the earth terminal of the Box, Coin-collecting, No. 705. The protector is automatically earthed by the fixing screw between the electrodes.

14. Protectors in cabinets and recessed call offices.—The protector must be fitted in a position where it is not accessible to a person using the telephone.

15. Protection of leads where a protector is not fitted.—All cables not concealed by the wallboard must be protected. Capping, Steel, No. 6 should be used for new work in Kiosks No. 6 (see C 3001). The leads should be protected by Conduit No. 2A in other kiosks and by Capping, Wood, No. 1 in cabinets and recessed call offices.

16. Directories.—The directories should be placed in the Container No. 5.

★17. Wallboards D 1/63747 and D 2/63747.—These wallboards are similar in layout to the D 1 and D 2/60577 but are 2 ft. 2 in. wide. Fitting procedure is described in D 3003. When an installation using these wallboards is transferred to pay-on-answer working the Wallboard D 2/63747 should be modified to carry a Box, Coin-collecting, No. 705 in the following way:—

(a) Recover the existing coin-collecting box and Containers No. 3 and No. 4.

(b) Recover the upper metal strip at the rear of the wallboards. Cut the strip in half and refit the left-hand half (looking from the rear).

(c) Countersink the four existing $\frac{3}{8}$ in. holes to accommodate the central fixing screws.

(d) Drill five $\frac{7}{16}$ in. holes in the wallboard in the following positions (looking from the front):—

(i) $2\frac{1}{4}$ in. from the left-hand edge and $\frac{1}{2}$ in. from the bottom edge

(ii) $2\frac{1}{4}$ in. from the left-hand edge and 1 ft. $5\frac{7}{16}$ in. from the bottom edge

(iii) $6\frac{9}{16}$ in. from the left-hand edge and $\frac{1}{2}$ in. from the bottom edge

(iv) $6\frac{9}{16}$ in. from the left-hand edge and 1 ft. $5\frac{7}{16}$ in. from the bottom edge

(v) 1 in. from the left-hand edge and 1 ft. $1\frac{3}{4}$ in. from the bottom edge

(e) Cut suitable grooves in the wallboard in preparation for operation (f).

(f) Fit mild steel strips (made locally to Detail 9 on Drg. 60577) on the rear of the wallboard in the grooves already cut (e) so that their centres are $\frac{1}{2}$ in. and 1 ft. $5\frac{7}{16}$ in. from the bottom of the wallboard and their right-hand edges $1\frac{3}{4}$ in. from the edge of the wallboard looking from the rear.

(g) Fill any unnecessary holes in the wallboard using any suitable material such as plastic wood (purchased locally).

(h) Smooth and repaint the front face of the wallboard using a high gloss black enamel.

(j) Fit the bracket to the wallboard using four Screws, $\frac{5}{16}$ in. B.S.W. $\times \frac{3}{4}$ in., Hex. Hd., M.S. (obtained by local purchase) and the metal plates previously fitted in (f).

(k) Refit the Container No. 4.

When the existing wallboard is not suitable for modification, due to poor condition or otherwise, and a replacement is not available locally a Wallboard D 2/60577 should be modified. The following additional work will be required between operations (c) and (d).

(l) Remove washers from left-hand side fixing holes (looking from front).

(m) Remove a 3 in. strip from the left-hand side of the wallboard.

(n) Drill two $\frac{5}{16}$ in. holes in the wallboard in the following positions (looking from the front):—

(i) $2\frac{3}{4}$ in. from the left-hand edge and $2\frac{1}{4}$ in. from the bottom edge

(ii) $2\frac{3}{4}$ in. from the left-hand edge and 1 ft. 4 in. from the bottom edge

(o) Fit the washers flush by countersinking

(p) Remove the peg from the top edge.

★18. Wallboard D 4/60577 and associated items.

—This wallboard, intended primarily for use in the London Telecommunications Region, is used with a Wallboard D 1/60577 where L.P.A. directories are provided inside the call office. It includes a Bracket,

Mounting, D 91092, a Shelf No. 9 and a Holder, Directory, No. 5. To facilitate maintenance work on the coin box mechanism the directory holder can be unlocked and lifted off its fixing studs. The holder accommodates up to five directories on pivoted carriers and includes a shelf on which additional directories may be placed. The wallboard is the same size and has identically spaced fixing holes as the Wallboard D 3/60577, and the fitting instructions in pars. 5 to 15 should be followed. Before fitting a wallboard the directory holder should be lifted off the four fixing studs after first removing the mushroom headed bolt which is used to retain the holder on the wallboard during transportation. Recovered bolts should be disposed of locally.

In standard cabinets and recessed call offices as distinct from kiosks, because of the limited space available, the Wallboard D 4/60577 and its associated Wallboard D 1/60577 should be fitted as far to the right as possible. In existing installations it may be necessary to move the vertical battens. The extreme right-hand directory carrier must not be used in these situations.

★19. Directory holder.—A Box, Coin-collecting, Parts: Lock No. 31 or 39... should be fitted from the rear in the lower fixing plate of the Holder, Directory, No. 5. When fitted, the bolt of the lock should be towards the left-hand side (viewed from rear). The holder should be replaced on its fixing studs on the wallboard and the lock operated several times to ensure its satisfactory operation. When a Lock No. 31 is used it will be necessary to slightly enlarge the holes for the fixing screws to provide clearance for the 4BA screws provided with the holder. The extreme right-hand directory carrier is supplied locked in position by a metal plate screwed to the top right-hand side of the holder. Where this carrier is to be used the plate should be removed and refitted after positioning the long side downwards.

★20. Fitting of directories.—Directories are suspended from pivoted carriers by metal strips. To fit a directory in a carrier, remove the metal strip after having released the socket-headed set-screw in the rear end of the carrier using a suitable $\frac{1}{8}$ in. Allen key which should be purchased locally. Where separate directory covers are provided for use with paper covered directories in lieu of stiff covered call office directories they are fitted as follows:—

The separate cover is opened out across the carrier and is located by two Pegs No. 15... which are inserted through the former into the carrier. The paper covered directory is opened at the centre of the middle section and the narrow edge of the metal strip is inserted against the directory spine. The directory is closed on the strip which is refitted and locked in the carrier by screwing up the socket-headed set-screw. The separate cover is thus held further secured by being compressed against the rubber pad of the carrier by the spine of the directory.

★21. *Adjustment of brake in directory carriers.*—An adjustable brake is included in each directory carrier to prevent fast restoration with possible injury to users. The initial adjustment of the brake should be such that with a directory fitted the carrier will not restore to its normal (at rest) position by gravity but will require assistance (allowance should be made for high spots on the brake wearing off after a period of use, which will tend to speed up restoration of the directory). Access to the adjusting screws of the brake is obtained via two holes in the aluminium plate of the directory carrier. It will be found convenient to gain access from each side of the directory which should be held in the upwards but closed position. A similar amount of rotation should be given to each screw to ensure a constant effect over the whole braking area. Brake effect is increased by rotating screws in a clockwise direction or decreased by rotating them in an anti-clockwise direction. Adjustment may be made using a Screwdriver, Instrument, No. 1 or other suitable tool.

★22. *Labels for directory holders.*—Labels No. 400..., self-adhesive identification labels, should be fitted in the recess in the tops of the directory carriers. Initially to ensure good adhesion it may be necessary to apply a coat of adhesive in the recess of the directory carrier. Evostik No. 528, obtained locally, should be used.

SUBSCRIBERS' INSTALLATIONS

23. The Box, Coin-collecting, No. 700 is used for subscribers' coin box installations. It includes a Mechanism No. 20 and is used with either a wall- or table-mounted 700-type telephone. A notice is carried on the coin box front and separate notice frames are not used. A Box No. 4 is used to collect the cash.

★24. *Fitting of coin box.*—The coin box should normally be fitted direct to the wall without a wallboard. As the coin box with a full cash container weighs more than 40 lb. great care must be taken to obtain adequate fixings. Where suitably spaced fixings cannot be obtained or where the coin box is to be fitted to a very uneven surface, the apparatus may be fitted to a Wallboard ...in. x ...in., which should be as small as possible. The coin box should normally be fitted with the coin denomination plate 3 ft. 8½ in. from the floor. In existing installations the wallboard may be recovered if the subscriber agrees but it should be made quite clear that the P.O. cannot be responsible for any redecoration required. Otherwise the coin box should be fitted to the existing wallboard. A wall telephone may also be fitted on a wallboard which is large enough to accommodate both items. Notice frames should be recovered and any holes left exposed should be filled with a suitable stopping material. The wallboard may be repainted where necessary.

On existing installations the subscriber should be requested to empty the cash compartment before the old apparatus is recovered. Before the coin box is fitted the mechanism compartment and cash compartment fronts (Fronts Nos. 11 and 12) and the Mechanism No. 20 should be removed. The mechanism is connected to the terminal strip by flexible cordage terminated on a plug and jack, and is retained in position by a spring on the bottom of the mechanism compartment.

The coin box should be secured by two Screws for Wood, Steel, Csk. Hd., Size 14 through the adjustable bosses in the mechanism compartment and two Screws for Wood, Steel Japanned, Rd. Hd., Size 14 with ¼ in. washers through the holes in the cash compartment. The screws should be at least 1½ in. long. The bosses are reversible and should be fitted to receive wood screws and adjusted so that the coin box is firmly seated against the wall or wallboard without distortion of the case. The lower two screws should not be fully tightened; this is to facilitate emergency removal of the coin box should the cash compartment lock jam.

Connect the line and telephone (N 2423) using Cable, P.V.C., No. 1 for wall-mounted telephones and Cord, Instrument, No. 9/21AD... for table-mounted telephones. The cord and cable entry hole is in the bottom of the cash compartment. An anchorage for the cord grommet is provided in the lower mounting bracket for the termination strip in the coin box. Refit the Mechanism No. 20. Fit a Box, Coin-collecting, Parts: Lock No. 31 or 39... to the Front No. 11 using the four screws provided with the front. The bolt-retaining bar should be adjusted to obtain a good fit between the front and the case consistent with the lock being operated with only a light pressure on the key.

Fit a Lock No. 14 to the Front No. 12 using the screws provided with the front. The lock will be supplied by the T.M. (Clerical Divn.) for new installations and for existing installations where other types of lock are fitted. To test the lock, the key should be obtained from the subscriber, who should be requested to lock the cash compartment when the installation is complete. Instruction in the use of the Lock No. 14 and Box No. 4 should be given if required.

★25. *Wallboard D 91128.*—This wallboard is used for subscribers' coin box installations when a Box, Coin-collecting, No. 705 is to be fitted. This coin box should only be fitted when it is specified on the Advice Note. The wallboard is 16 in. wide and 32½ in. high and includes one Frame, Notice, No. 30 and one Frame, Notice, No. 31. Each frame is secured by a Bracket, Mounting, DQ, 6½ in. at the top and a Bracket, Mounting, DH, 6½ in. at the bottom. A plinth with drilled pilot screw holes for mounting a Box, Coin-collecting, No. 705 and a coin shelf are also included.

To fit the apparatus the notice frames should first be removed from the wallboard using a Key, Frames, Notice, No. 29 to expose the two upper fixing holes of the wallboard. Fix the wallboard in position using Screws for Wood, Brass, Csk. Hd., 3 in., Size 14. The top edge of the wallboard should normally be 4 ft. 8½ in. from the floor. Remove the cover and mechanism from the backplate of the coin box. The two bushes near the top of the backplate are reversible and should be fitted to receive countersunk screws. Offer the backplate to the wallboard and adjust the bushes to ensure that the backplate seats evenly on all four supports (if necessary the bushes can be finally adjusted before the securing screws are tightened). Screw the backplate to the wallboard using Screws for Wood, Brass, Csk. Hd., 1½ in., Size 14 for the top fixings and Screws for Wood, Brass, Rd. Hd., 1½ in., Size 14 with ¼ in. washers for the lower fixings. The lower two fixing screws should not be fully tightened; this is to facilitate emergency removal of the coin box should the cash compartment lock jam. Release the front end of the cash compartment locking-bar spring from its anchorage. Fit a Box, Coin-collecting, Parts: Lock No. 39... to the cover and a Lock No. 6M to the Front No. 11. The fitting instructions for the lock in par. 9 should be followed. The Lock No. 6M will be issued with the Advice Note. Connect the instrument in accordance with the appropriate N diagram. Replace the cover, mechanism and notice frames, after inserting the appropriate notices [obtainable from the T.M. (Clerical Divn.)]. Insert a Box No. 4 in the cash compartment. Test the cash compartment lock. The key should be obtained from the subscriber who should be requested to lock the cash compartment when the installation is complete. The subscriber

should be shown how to open the cash compartment and how to use the Box No. 4.

On existing installations the subscriber should be requested to empty the cash compartment before the old apparatus is recovered. Should the subscriber not agree to the replacement of an existing wallboard by a Wallboard D 91128, the existing wallboard or, if the demands of good appearance make it necessary, a new wallboard of similar size may be modified to accommodate the Box, Coin-collecting, No. 705 and Frames, Notice, Nos. 30 and 31. The notice frames should be mounted on Brackets, Mounting, DQ and DH, 6½ in. to ensure that they may only be removed with the aid of a Key, Frames, Notice, No. 29. Drgs. 91128 and 91174 show details of the holes required in the wallboard to accommodate the coin box and notice frames. The holes for the notice frame brackets must be accurately drilled to ensure correct fitting of the glass and frame. Plug any surplus holes in a modified wallboard with a suitable stopping material purchased locally.

TESTS TO BE APPLIED AFTER INSTALLATION

★26. The functional tests which should be applied are described in TESTS & INSPECTIONS, Routine, S 5227. No attempt should be made to adjust the mechanism on site; faulty mechanisms must be exchanged with the coin box maintenance centre. If for any reason it is not possible to open a public call office for service immediately after the fitting work has been completed a notice T 431G should be exhibited and should be recovered when the installation is brought into service.

References:—C 3001, D 1001, D 3003
(S1/2) LINES, Underground, F 3220, F 3233
LINES, Overhead, G 3008
TESTS & INSPECTIONS, Routine, S 5227

E N D