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Chocolate Worker,  X Ray - C 16.
11 Dalrymple Place, Edinburgh.

Accident :- On 19th June, 1910, she was knocked down in a skating rink, and injured her left wrist.

X Ray :- No definite lesion.
Injury to Radial Epiphysis suspected from the local tenderness and limitation of movement at the Radio Carpal Joint.

Treatment :- Massage and movement daily.
Number of massage seances - 10.

Dismissed :- 2nd July - two weeks from accident. All tenderness was gone and movement was free and complete in range.

Report :- 4.7.11.
She was three weeks off work receiving no compensation.
The wrist felt stiff at first on recommencing work, but that soon passed off.
Appearance and movement perfect.
Jeannie Campbell (17)
Domestic Servant.

Accident: - Fall on left hand at skating rink on 5th January, 1910.

X Ray: - Colles Fracture - no displacement.

Treatment: - Wool, bandage, sling, daily massage and movement.
13 visits to masseuse.

All movements present and normal in extent.

Duration off work: - Three weeks.
She returned to work immediately after her dismissal from R. I. E., and for two or three weeks felt a slight weakness in the left wrist.

Condition on 18th February, 1911 - Appearance and movements absolutely normal.
Soldier,

3 Hope Park Crescent, Edinburgh.

Accident: Towards the end of January, 1910, he fell on the ice and hurt his right wrist. For three weeks he treated it himself rubbing it with embrocation. He came to the S.O.P.D. on account of the continued swelling.

X Ray: 15.2.10. Fracture of radius at the colles level with impaction of proximal into distal fragment.

Treatment: He never returned for treatment.

Report by letter from Fort George. 31.3.11.

The wrist troubled him for a short time, but never troubles him now. It is slightly deformed, but he has full movement of his wrist joint.

Remarks: Here is an excellent functional result in a colles fracture treated similarly to a sprain or bruise by the patient himself.
John McIntosh, 21.  
Locomotive Fireman,  
23 Duff Street, Edinburgh.

Card - A 1434.  
X Ray - C S.

Accident :-  On 16th June, 1910, he fell crossing the railway line,  
his left wrist striking the rail.

X Ray :-  Oblique fracture at lower end of radius at Colles level,  
and above the Epiphyseal line. Slight radial displacement  
of lower fragment of radius.

Treatment :-  Massage and movement daily.  
Wool, bandage and sling.  
Number of massage seances - 10.

Discharged: - 4th July, 1910 - two and a half weeks after accident.  
There was then firm union and free and full movement at the wrist.

Report :-  7.3.11.  
He returned to work immediately. Duration off work and  
on compensation - Two and a half weeks.  
His wrist felt a little weak at first and is still more  
easily tired. He only feels it after a harder day’s  
work than usual.  
Appearance, movements and power are excellent.
Case 4

15.6.10

John McGlock

X Ray  CO

Left Wrist
Mrs. Rosenberg, 55.  
5 Parkside Street, Edinburgh.  
Card - A 1573.  
X Ray - C 19.

Accident :- On 20th June, 1910 she fell downstairs and hurt her left wrist.

X Ray :- 20.6.10. Impacted colles fracture, with upward and backward displacement of the lower radial fragment.

Treatment :- Massage and movement, wool, bandage and sling.  
Number of massage seances - 19.

Discharged :- 19th July, 1910 - four weeks after the accident.  
She had then full movement at the wrist, and was using the hand in light housework.

Report :- 8.4.11.  
She has done all her housework since ever she was discharged. She is quite able to wash and wring clothes. Sometimes she feels a soreness in the wrist when she overworks it. There is very slight radial deviation of the hand, and the movements at the wrist are free and of full range.

X Ray :- 8.4.11. shews good union with the radial styloids on a level with each other due to the persisting upwards displacement of the lower radial fragment.
Mary Fulton, 22.
Dressmaker,
Main Street, Gilmorton.

Accident :- About the 4th August, 1910 she fell off a bicycle and hurt her right wrist. It was treated as a sprain for two weeks by bathing in cold water. She came to the S.O.P.D. on the 18th August where a colles fracture was diagnosed with backward displacement of the lower fragment.

X Ray :-
18.8.10 shows a fracture at the level of the lower epiphysis of the radius.

Treatment :- Massage and movement.
Number of massage seances - 13.

Discharged: - 3rd September, 1910 - five weeks after accident, three weeks after massage commenced. There was still slight backward displacement, but hardly noticeable. All wrist movements were free and of full range.

Report :- 10.4.11.
She returned to work one week after her discharge. The wrist felt weak at first and is still weaker than her left wrist. She received no compensation during the six weeks she was off work.
Patrick Coady, 47.
Painter,
1 Castlewynd, Grassmarket.

Accident :- On 8th September, 1910, while stopping a runaway horse, his left hand was jammed between the shaft of the cart and a wall. He came to the S.O.P.D. where a colles fracture was diagnosed and set, and a dislocation of the distal interphalangeal joint of the middle finger reduced.

X Ray :- 9.9.10 shows a crack at the lower end of the radius at the colles' level, without displacement.

Treatment :- Massage and movement. Gutter splint for a few days. Wool, bandage and sling.

Discharged :- 30th September, 1910 - three weeks after the accident. He had then full movement with no discomfort at the wrist. Number of massage seances - 10.

Report :- 8.4.11.
He was never off work even during the treatment. At the end of three weeks when he was discharged, he had full use of his wrist at his work. He feels the wrist sore after a harder day's work than usual, but as a rule using it at his work improves it.

There is no deformity. In freedom and range the wrist movements are normal. His power of grip is almost equal to that of the right hand.

He received no compensation.

Remarks :- It resounds to the credit of the patient and also to the efficacy of massage than he was able to continue at his work after his accident.
Mrs. Margaret Hardie, 56.  
5 Buccleuch Terrace, Edinburgh.  
Card - B 4916.  
X Ray - E 91.

Accident: On 16th November, 1910, she fell off a table and injured her left wrist.

X Ray: Colles fracture with slight upward displacement and impaction.

Treatment: Massage and movement daily.  
Wool, bandage and sling.  
Number of massage seances - 11.

Discharged: 14th December, 1910, four weeks after accident.  
She had then full movement without pain at the wrist.

Report: 20.3.11.  
She felt the wrist weak for about two weeks after her dismissal, but she persevered, using it at her housework, and found it rapidly improved.  
It never troubles her now.  
In appearance there is a very slight radial deformity, but power and function are perfect.
Annie Bennet, (24)  
Servant,  
15 Leith Street Terrace, Edinburgh.

Card - B 4333.  
X Ray - E 35.

Accident :-  On 14th November, 1910, she fell down stone steps and injured her left wrist.

X Ray :-  Colles Fracture of Radius, with slight impaction.

Treatment :-  Wool, bandage, daily massage and movement.  
Number of massage seances - 13.

Dismissed :-  6th December, 1910, with perfect function.

Compensation :-  None.

Report :-  22.3.11.

She returned to work on the 12th January, 1911.  
The wrist felt weak for a week or so.  
It is now as strong as her right wrist.  
Slight deformity persists, the hand is radially deviated; the Radial styloid is almost at same level as ulnar; function is perfect.
Mrs. Tansey, 35.
13 Stewart Terrace, Edinburgh.

Card - B 5233.
X Ray - E 122.

Accident: - On 2nd December, 1910 while whitewashing a roof and standing on a chair on top of a table, she fell on her left hand.

X Ray: - Colles fracture with marked upward and backward displacement of the lower radial fragment. There was no impaction as crepitus was felt during examination.

Treatment: - Reduction under Ethyl Chloride anaesthesia.
Massage and movement daily. Wool, bandage and sling. Number of massage seances - 18.

Progress: - Sling removed towards end of second week and she began to use the wrist in her household duties.

Discharged: - 29th December, 1910, four weeks after accident. There was then full movement, good union and no discomfort.

Report: - 8.4.11. She was able to do all her housework two weeks after her discharge, i.e. six weeks after accident. She still feels occasional discomfort over the ulnar styloid if she does too much work.
The appearance of the wrist is very good indeed, although slight backward radial deformity persists. The power of the handgrip is very good indeed and the movements at the wrist full and free.
The X Rays 8.4.11 shew union has occurred in excellent position. Almost all the displacement has been reduced.
Accident :- On the 14th March, 1911, he injured his right wrist in a cycle accident.

X Ray :- Colles Fracture.

Treatment :- Wool, bandage and sling. Massage and movement daily.

Number of massage Seances - 3.

Dismissed :- at his own request, 28th March, 1911. He is on compensation, but feels his wrist so well that he wants to commence work.

All wrist movements are perfect in range.

The appearance of the wrist is normal. As it is only fourteen days since his accident, he was advised not to strain his wrist too much.
James Pringle, 45.
Iron Moulder,
191 Canongate, Edinburgh.

Card - B 4317.
X Ray - E 11.

Accident :- On 26th October, 1910, he slipped and fell on his left hand. He came to the S.O.P.D. where a colles fracture was diagnosed and reduced.

X Ray :- Colles fracture, in good position. The ulnar styloid is chipped.

Treatment :- Massage and movement. Wool, bandage and sling.
Number of massage seances - 3.
He ceased to attend of his own accord.

Report :- 18.4.11. He could not afford to be idle so continued at his work. At first he could use his left hand very little in indeed, but six weeks time he had full use of it.
It is still weaker than it was before the accident. If he overtwists the wrist he feels a soreness over the ulnar styloid.
In appearance there is no deformity except a slight fullness in the soft parts over the front aspect of the wrist.
Movements at the wrist are free and of full range. His grip is not appreciably diminished.

X Rays :- 18.4.11 shew union in good position. The tip of the ulnar styloid has not united. The lateral view shews new bone over the anterior aspect of the site of fracture.

Remarks :- This case shews an excellent result in a colles fracture which received scanty attention.
Mrs. Headspeath, 66.

19 W. Crosscauseway, Edinburgh.

Card - A 2504.

X Rays - A 34

C 83.

Accident: - On 13th January, 1910, she fell and hurt her right wrist.

X Ray: - 15.1.10. Colles fracture with upward and backward displacement of the lower radial fragment. The ulnar styloid is separated and displaced towards the carpus.

Treatment: - Massage and movement. Wool, bandage and sling.

Number of massage seances - 20.

Discharged: - 10th February, 1910 - four weeks after the accident. There was then good union, and almost complete range of movements. She was already able to do light housework. On the 12th July, 1910, she slipped and fell downstairs and again hurt the same wrist. It was very badly sprained. Fomentations were applied for two days, and massage and movement again employed.

Number of massage seances - 17.

Discharged: - She left of her own accord on 10th August, 1910 - four weeks after the second accident.

Report: - 8.4.11.

She has been doing all her housework since ever she left the hospital.

She is able to do her own washing but feels the wrist sore when wringing clothes. This soreness is over the ulnar styloid. There is slight radial deformity and the carpus is more prominent posteriorly. Movements at the wrist are free and practically complete in range.
John Caldwell, (36).
Baker, 325 Castlehill, Edinburgh.

Accident :- On January 23rd, 1910, he fell injuring his left wrist.

X Ray :- Colles Fracture, with slight upward displacement of lower fragment and with chipping of ulnar styloid.

Treatment :- Massage and movement daily.
Wool, bandage and sling for ten days.
Number of massage seances - 13.

Dismissed :- 14th February, 1910 - three weeks after accident.
He had then full movement at the wrist.

Report :- 22.3.11.
He was four weeks off work, receiving no compensation.
He felt his wrist weak for about one month after commencing work. He feels it yet when he lifts a heavy weight, and has continued to wear a wrist strap for support.
Appearance and movements are excellent.

X Ray :- 22.3.11 shows ulnar styloid still ununited.
Mrs. Jane Gibson, (60).

15 Buccleuch Street, Edinburgh. X Ray - A 74.

Accident :- Fell down a stair on the 29th January, 1910 and injured her right wrist.

X Ray :- Colles fracture with slight radial displacement, and separation of ulnar styloid.

Treatment :- Massage and movement daily,
Wool, bandage and sling.
Number of massage seances - 18.

Dismissed :- 1st March, 1910 with full use of wrist.

Report :- 28.3.11.
She could not do her usual amount of work until six weeks after her dismissal. She still feels it, if she works too much. It is getting much stronger. She is subject to Rheumatics.
Appearance, position and movements are excellent.
X Rays - 28.3.11. shows ulnar styloid still ununited.
David Rennie, (14).

12 Albert Street, Edinburgh. X Ray - A 153.

Message - boy.

Accident: On March, 4th, 1910, he fell and injured his left wrist.

X Ray: Unfortunately broken. It is recorded that a Colles Fracture was present, 1" above lower articular surface of the radius, along with a separation of the ulnar Epiphysis.

Treatment: Massage and movement daily. Wool, bandage and sling.

Number of massage seances - 15.

Dismissed: 23rd March, 1910, - 19 days after the accident. He had then full use of his wrist.

He was never off his work even during treatment, and was able for his full duties after dismissal.

Report: 29.3.11.

He was uncertain which arm was injured, but thought it was his right one. Both wrists were therefore X Rayed, so that the record of his case might be checked. It was impossible by clinical examination to tell which arm was injured.

The X Rays show a separation of the ulnar styloid of the left forearm.

Remarks: It is indeed interesting that the patient should be uncertain concerning the injured wrist, and proves how little the accident put him about.
Mrs. Borthwick, 64.  
36 Grove Street, Edinburgh.  
Card - B 84.  
X Ray - C 84.  
D 2.

Accident: On 15th July, 1910, she fell in the street and injured her right wrist.

X Ray: Fracture of the Radius at the Colles' Level, with a longitudinal crack down the centre of the lower end of the proximal fragment. There is marked upward and backward displacement of the distal fragment of the radius. The ulnar styloid is separated and markedly displaced inwards.

Treatment: Reduction under General Ethyl Chloride; Massage and movement daily, Gutter splint, wool, bandage and sling.

Progress: It is recorded that on the 1st. August - two weeks after the accident, the wrist was again 'set' because pronation and supination were so limited, and because patient still complained of pain. She complained no more of pain after this second 'setting' and the movements at the wrist became much freer and easier.

Number of massage seances - 22.
12 before second setting.
10 after second setting.

Dismissed: 16th August, 1910, She had then full and free movements at the wrist, no pain and but slight radial deformity of the hand.

Report: 7.3.11. It was some weeks after her dismissal before the wrist felt strong enough for much hard work. She still feels it when washing and wringing clothes, but at no other time. The pain is then over the ulnar styloid.

There is still slight radial deviation of the hand but all movements are free and full in range.

The X Ray 7.3.11 shows good union and less displacement.

The ulnar styloid is less displaced but still ununited.
Wm. Rossie, 25.  
Joiner,  
21 Woodville Terrace, Leith.

Accident :-  In March, 1910, while in Brussels, he fell thirty feet and injured his left wrist. He was in Hospital there for one month. His wrist was not massaged or moved till two weeks after accident. He was one month off work and on compensation. His wrist has remained weak and stiff, so he came to the S.O.F.D. on the 16th June.

X Ray :-  16.5.10. Healed colles fracture with separated and ununited ulnar styloid.

Treatment :-  Massage and movement. He attended 13 times and left of his own accord on 7th July, 1910. He says he had then twice as much movement in the wrist as on 16th June when he first attended.

Report :-  3.3.11. He recommenced work in August. The wrist is getting stronger and more freely movable. There is practically no deformity and the movements are perfect.

X Ray :-  3.3.11. Ulnar styloid is still ununited.
Walter Scott 40.  
Bookbinder,  
44 Grove Street, Edinburgh.  

Card - B 300.  
X Ray - D 9.  

Accident :-  On 21st. July, 1910, he fell downstairs injuring his left wrist.  

X Ray :-  21.7.10 Impacted colles fracture with some upward displacement of the lower radial fragment. The lower end of the proximal fragment of the radius is splintered, and the ulnar styloid is detached.  

Treatment :-  Massage and movement. Wool, bandage and sling.  

Discharged :-  19th August, 1910 - four weeks after accident. Appearance and movements at the wrist were excellent. Number of massage seances - 19.  

Report :-  9.4.11.  
He was six weeks off work and was not on compensation. He is quite fit for his work and his wrist never troubles him. There is slight broadening of the wrist and slight prominence of the lower end of ulna. There is no apparent backward or radial deformity. The movements of the wrist are free, of full range and of sufficient power.
Mrs. Reid, Charwoman,
11 Hunter's Close, Grassmarket.

Accident : On 21st. September, 1910, she fell while standing on a chair, and landed on her right hand.

X Ray : 22.9.10. Transverse fracture of lower end of radius at Colles' level, with slight upward displacement of the lower radial fragment. The ulnar styloid is also separated.

Treatment : Massage and movement, wool, bandage and sling.
Number of massage seances - 16.

Discharged: 18th October, 1910 - four weeks after the accident. There was then good union, little deformity, free movement and no discomfort. For a week before her dismissal she was doing her own housework.

Report : 8.4.11.
She returned to her charring immediately after her discharge. She is quite fit for her work and cannot complain of her wrist. There is a slight fullness over the lower part of the ulna in front and very slight apparent radial deformity. The wrist movements are perfectly free and full in range.

X Ray : 8.4.11 shows good union in good position of the radial fragments. The ulnar styloid is still ununited.
Mrs. Sheppard, 50. Card - B 3712

Cock, X Ray - D 160.

8 McLeod Street, Edinburgh.

Accident :- On 3rd July, 1910, she fell downstairs and hurt her right wrist. She was taken to an hospital in London, where the wrist was set and two splints applied. She wore these splints and a sling for four weeks. Every other morning these splints were removed, the wrist stroked superficially for a moment or two and the fingers moved. Later on the wrist and elbow were moved. At the end of the fourth week the splints were removed, and she was discharged at the end of the fifth week. She was still unable for work, the wrist was still stiff, swollen and painful. She was not sleeping or eating well, and was advised to come North to her native air. One doctor told her she would not be fit to work with her wrist for six months. She came to the S.O.P.D., Royal Infirmary, Edinburgh on the 10th October, 1910. There was then great limitation of movement at the wrist, and she complained of weakness in it. She said she could not use it even at her meals. The hand was radially deviated as after a colles fracture.

X Ray :- 10.10.10. Healed colles fracture in good position, except that the radial styloid is on a level with the ulnar styloid. The ulnar styloid has the appearance of having been detached and of having united.

Treatment :- Massage and movement daily.

Number of massage seances - 21.

Discharged: - 3rd November, 1910 - three and a half weeks later and four months/
months after accident. The movements at the wrist were then much improved in range, and she was able to do housework without discomfort.

**Report :-**

8.4.11.

**Compensation :-** She received £10 as a settlement after her discharge from the R.I.E. She started work as a cook immediately after her discharge from the R.I.E. and felt quite fit for her work. The wrist has gradually got stronger. It sometimes feels a little weak but never hurts her now. There is still slight backwards and radial deformity, with a fullness in front of the lower third of forearm. The wrist movements are free and are now of full range. Her grip is almost equal to that of the uninjured hand. She says she can lift nearly as great a weight as before her accident.

**Remarks :-** After making all allowance for the effect of an unsettled compensation claim, and for a natural patriotic sentiment there remains a very appreciable balance in favour of the belief that had this Colles fracture been treated from the first by massage and movement she have returned to her work in four weeks instead of after four months.
Miss Jane Campbell, (66).
  Caretaker,
  78 Queen Street, Edinburgh.

Card - A 2931.
X Ray - F 23.

Accident :- On 16th January, 1911, she fell from a box and injured her right wrist.

X Ray :- Colles Fracture, with upward displacement of lower radial fragment and chipping ulnar styloid.

Treatment :- Massage and movement.
Wool, bandage and sling.
Number of massage seances - 25.

Dismissed :- 17th February, 1911. Four and a half weeks after accident. She had then full range of movement at the wrist and the union was firm. The wrist still felt weak. The hand is radially displaced. She returned to work on the 27th February, having been on compensation for the six weeks she was off duty. After the third week she began to perform light household duties without discomfort.
10 East Adam Street, Edinburgh. X Ray - F 109.

Accident :- On 18th February, 1911, while standing on a chair she fell and injured her right wrist.

X Ray :- 20.2.11. Colles fracture with separation of ulnar styloid.

Treatment :- Massage and movement.
Wool, bandage and sling.
Number of massage seances - 18.

Discharged :- 17th March, 1911 - four weeks after the accident.
She had then been doing her housework for over a week.
The appearance and movements of the wrist were excellent.
Mrs. Purves, 53.  
Charwoman,  
6 New Broughton, Edinburgh.

Card - A 4302.  
X Ray - F 134.

Accident :  On February, 27th 1911, she was knocked down by a cyclist, and injured her right wrist.

X Ray :  Colles fracture with separation of ulnar styloid - radial fragments in good position.

Treatment :  Massage and movement, wool, bandage and sling.  
Number of massage seances - 16.

Progress :  At the end of two weeks she was able to do part of her household work. On the 16th March - two weeks and three days after the accident, she baked scones and never felt her wrist sore.

Discharged :  20th March - three weeks after accident.  
The appearance of the wrist was very good indeed, she could do light work without pain, and all movements at the wrist were free and of full range.
James Donelly, 24. Card - B 5369
Painter, X Ray - E 129.
13 Friar Street, Fountainbridge.

Accident :- On 5th December, 1910, while working temporarily as an engine cleaner, he fell off an engine and injured his right wrist. This same wrist was broken two years previously. An X Ray was therefore taken and as it reveals the rare 'Smith's fracture' or 'Colles fracture reversed', I have thought it worthy to include the case. It is the only case of Smith's fracture that I have seen during my fifteen months connection with the S.O.P.D.

X Ray :- 6.12.10. shews a healed fracture at the lower end of the radius. The lower fragment is displaced upwards. Unfortunately only an antero posterior view was taken. There is no fresh injury.

History of former accident :- In November, 1908, while at gun drill - patient was then in the Royal Navy - he had his right wrist broken. It was fomented for three weeks, and then put in Plaster of Paris for another three weeks. At the end of this time - six weeks after accident - the wrist was quite stiff, so it was rubbed and moved. It gradually improved, but full range of movement did not return and considerable weakness and deformity remained.

Then operation was advised but he refused to undergo it. He was therefore discharged from the Royal Navy in April, 1909, with a pension of 9d per day.

Remarks :- The correct treatment of fracture hereby assumes a national importance.

Treatment :- /
James Donelly - continued.

Treatment :- 5th December, 1910. As the wrist was only sprained, a lead and opium fomentation was applied and massage and movement commenced. He only attended three times and stopped attending hospital on the 10th December.

Report :- 12.4.11. He ceased to attend hospital because he could not afford to go idle. He is now back to his own trade as a painter. The wrist is as good as it was previous to December, 1910, i.e. sometimes very weak.

Appearance :- The hand is displaced radially. The lower end of the upper fragment of the radius is prominent behind and at a lower level in front the lower fragment of the radius causes a prominence. The ulnar styloid is also more prominent due to the radial deviation of the hand. The radial and ulnar styloids are on a level with each other. Movements at the right wrist are very limited, and the grip of the right hand is distinctly weak.

X Rays :- 12.4.11. The lateral view shews the forwards displacement of the lower radial fragment - the characteristic displacement in a Smith's fracture.
Peter Small, 52.
Lathe splitter,
7 Gifford Park, Edinburgh.

Card - B 5543.
X Ray - E 138.

Accident :- On 10th December, 1910, he fell over a stool on to his left hand.

X Ray :- 12.12.10 - Colles fracture with slight upward displacement and with separation of the ulnar styloid.

Treatment :- Massage and movement. Wool, bandage and sling.
Number of massage seances - 21.

Discharged :- He left of his own accord on 19th January, 1911, almost six weeks after the accident. There was then good union and full movement and no apparent deformity.

Report :- 11.4.11.
He was ten weeks off work, with no compensation. He was then quite able for his work and the wrist never troubles him now.
In appearance and in movements, the result is excellent.

X Ray :- 11.4.11. shews good union with very slight upward displacement of the lower fragment due to impaction. The ulnar styloid appears to have united - a rare occurrence - and perhaps explained by the fact that this styloid was fractured close to its base.

Remarks :- This patient attended for almost six weeks - a longer time than is usual in Colles fracture.
Scott Begbie, 45. Card - A 5228.

Blind Asylum Worker, X Ray - F 215.

169 Pleasance, Edinburgh.

Accident :- On 30th March, 1911, he slipped going down a stair and injured his left wrist.

X Ray :- 1.4.11 - Colles fracture with impaction. The ulnar styloid is chipped.

Treatment :- Massage and movement.

Jone's Gutter splint and sling.

Progress :- He felt much relieved after the first massage seance, and each succeeding day he had less and less discomfort in the wrist.

8.4.11 - Splint removed.

13.4.11 - Two weeks after accident - he could close his fist, flex, extend and move his wrist laterally without discomfort.
Accident :- On 3rd April, 1911, while at work standing on a ladder, the ladder slipped and patient fell ten - twelve feet landing on his hands.

The patient weighs 15½ stones. He came to the S.O.P.D. where double colles fractures were diagnosed. The right colles shewed marked displacement and was reduced without an anaesthetic. This caused him severe pain. There was much bruising and swelling of both wrists especially the right. The right colles was treated with anterior and posterior Gooch splints and a sling. The left colles was treated with wool and a bandage. He had no sleep that night on account of the pain in his wrists.

X Rays :- 4.4.11. Double colles fractures

Left wrist :- Colles fracture with no displacement, but with separation of the ulnar styloid.

Right wrist :- Colles fracture with upward displacement and impaction, and with chipping of ulnar styloid.

Treatment :- Massage and gentle movement. All splints removed. Wool and bandage to each wrist and sling for the right arm.

Progress :- He felt much relieved after the first massage seance, and this relief continued after each succeeding seance. The pain returned at night and disturbed his sleep for the first four or five days.

For the first three days, he had to be fed like a child, but he since the 6th April has been able to use his left hand for feeding himself. After this date his left wrist ceased to cause him much trouble.

12.4.11/
James Mitchell continued.

12.4.11. - Nine days after accident.

Left :-
He can close his left hand completely and has remarkably
free and full movement of both fingers and wrist
without discomfort. He can also move the wrist
laterally without discomfort. All swelling and nearly
all signs of bruising have disappeared in the left wrist.

Right :-
He can move all the fingers of his right hand easily and
without discomfort. Passive movement only was tried
and obtained within a limited extent without pain.
Mrs. Knight, 65. 
14 Bristo Street, Edinburgh. 

Card - B 5860. 
X Ray - E 172.

Accident :- On 26th December, 1910 she fell off the chair she was standing on, and landed on her right hand.

X Rays :- 28.12.10 Fracture of both radius and ulna at the colles' level. There is backward displacement of the lower fragments of both bones.

Treatment :- (There is no record of reduction having been performed) 
Massage and movement, wool, bandage and sling. 
Number of massage seances - 17.

Dismissed :- 24th January, 1911, one month after accident. She was then doing light housework. Wrist movements were free and of practically full range. There was persisting backward displacement of the lower fragments.

Report :- 14.4.11 - She has done all her housework since her dismissal, without discomfort. In damp weather or if she overworks, there is a soreness in the middle of the front aspect of the wrist.

In appearance there is slight deformity due to the persisting backward displacement of the lower fragments. There is a prominence in front, above the the wrist and the ulnar styloid is more prominent. Still, the deformity is not marked.

All movements of the wrist joint are practically complete in range and are freely performed.

The grip of the right hand is rather stronger than that of the uninjured left.

X Ray :- 14.4.11 shew slightly more backward displacement than those of the 28,12.10. There is also more upward displacement of/
Mrs. Knight - continued.

of the radial styloid.

Remarks: This is not a perfect result except as regards function. Possibly reduction or more efficient reduction, a splint to keep the hand palmar flexed, and postponement of movements of dorsi flexion at the wrist, would have given a better result as regards position of the fragments. These at least would be the differences in treatment, the writer would employ in treating another similar case.
John Muir, 37.
Painter,
10 Caledonian Crescent, Edinburgh.

Card - B 5679.
X Ray - E 152.

Accident: About the 12th October, 1910, he fell twenty feet from a roof, injuring his hips, left wrist and right thumb. He was taken to an Infirmary where he lay for five weeks. His hip and his left wrist were X Rayed but not his right thumb. His hip was merely bruised, but there was a break in the wrist. A posterior splint was applied to his left wrist, and was never taken off for three weeks. Then during the next two weeks the splint was removed during the day, the wrist rubbed and the splint reapplied at night. He was told to work his right thumb and it would come all right. At the end of five weeks he was discharged, with his left wrist and fingers quite stiff. He came home to Edinburgh and after a month had passed he came to the S.O.P.D. as his wrist was becoming stiffer still and more painful.

Condition on 19th December, 1910:--
Left wrist: No deformity, but very limited movement. No lateral movement at the wrist was possible. He could not close his fist.
Right thumb: Thickening at base of of the metacarpal bone; apposition of thumb only possible to middle finger.

X Ray: 19.12.10. Left wrist: shows a healed fracture of the radial styloid, with some arthritic lipping at the site of the fracture.

Treatment: Massage and movement.
Number of massage seances -- 30.

Discharged: 10th February, 1911 - much improved. He could then close the left fist completely and with considerable power. He had/
had a fairly good range of movements at the left wrist. He could now appose the right thumb to the little finger, although with some difficulty. At the time of his discharge he was considered fit to return to his work. An X Ray was taken of his thumb before his dismissal.

X Ray :- 8.2.11 of left and right thumb. There is present a healed Bennett's fracture of the right thumb with the usual displacement persisting. Note the new bone being laid down in the concavity caused by this displacement.

Report :- 12.4.11.
He returned to work four weeks after his discharge from the S.O.P.D. - i.e. five months after the accident.
He received compensation for these five months. He still feels the wrist stiff and easily tired.

Left wrist :- There is no deformity but the movements are still limited in extent. He cannot voluntarily laterally flex the wrist, - the movement employed in light hammer strokes, and in using a paint brush.

The grip of the left hand is impaired in power.

Remarks :- The lesions as shown by the X Rays are not such as to cause so persisting an impairment of function, nor such as to necessitate so long a period as five months off work. The fault lies with the immobilisation methods employed in the treatment. This case illustrates how systematic massage and movement will sometimes effect as much as the forcible breaking down of adhesions.
David Robb, (21).

Joiner,

22 Blackwood Crescent, Edinburgh.

X Ray - A 155.

Accident :- On the 3th March, 1910, he got his right hand jammed in a hoist.

X Ray :- Oblique fracture of lower end of Radius passing into the joint.

Treatment :- Wool and bandage. Sling for a week.

Massage and movement daily.

Number of Massage Seances - 10.

Dismissed :- 21st. March, 1910 - two weeks after accident.

He had then full range of movement at the wrist.

Report :- 25.3.11.

He was five weeks off his work receiving compensation.

His wrist has never bothered him since he started work.

In appearance and in movement the result is perfect.

See X Ray - 25.3.11.
George Elliot, (26)
Chemist,
c/o Spears, X Ray
20 Brunton Place, Edinburgh.

X Ray - A 55.

Accident: On 23rd January, 1910, he fell and injured his right wrist.

X Ray: Colles fracture, with splitting of the lower fragment into the joint - A T shaped fracture; no displacement but slight impaction.

Treatment: Massage and movement. Wool and bandage. Sling for one week.
Number of massage seances - 12.

Dismissed: 8th February, 1910 - two weeks and two days after accident.

Duration off work: One week.

Compensation: None

Report: 23.3.11.

He was able to write with his right hand, ten days after the accident. Any discomfort he felt at first, soon passed off.

Appearance and movements of the wrist are perfect.
On 13th October, 1910, while starting a motor car, the engine back-fired, and his right wrist was suddenly and severely dorsi-flexed. The wrist was 'set' at once by a doctor and splints applied. He came to the S.O.P.D. next day.

14.10.10. The lower radial epiphysis appears separated. No lateral view was taken and so the presence of displacement backwards is not shown.

The lower ulnar epiphysis is split into two, and the radial half is displaced upwards and backwards.

Massage and movement. Wool, bandage and sling.

Number of massage seances - 15.

5th November 1910 - three weeks after the accident. He had then full use of his wrist.

10.4.11. He was on compensation for the three weeks he was off work. He commenced work immediately after his discharge. The wrist felt weak at first but soon got all right. It is now as good and strong as ever it was.

There is no apparent deformity. The lower end of the diaphysis of the radius is felt more prominently in front of the wrist. All wrist movements are free and of full range. Supination and pronation are in no ways impaired.

10.4.11 show that the separated portion of the lower ulnar epiphysis has united in its displaced position. The lateral view/
David Rush - continued.

view shows that the lower radial epiphysis was slightly displaced backwards and has united with this displacement persisting.

Remarks :- The history is typical of chauffeur's fracture, but the nature of the injury as shewn by the X Rays is atypical. It resounds to the credit of the treatment that the functional result is in every way so satisfactory.
Robert McLeod, 50.
Miner,
9 Middle Street, Cuthill.

Accident :- On 29th June, 1910, while at work in the pit, his right wrist was jammed between a hutch and a tree.

X Ray :- Dislocation of Scaphoid backwards on to dorsum of the Carpus; chipping of ulnar styloid.

Treatment :- There is no record of reduction having been attempted.
Massage and movement. Wool, bandage and sling.
He only attended on four occasions for massage and movement, ceasing to attend on July 5th, one week after the accident.

Report :- 17.4.11.
He could not afford to travel in and out, so continued to rub the wrist himself. His own doctor saw it every week. He began to use it in two or three weeks at his meals and in dressing himself. He returned to the S.O.P.D. on October 26th - eighteen weeks after the accident because he could not work with his wrist. His wrist was then very stiff and there was a prominence on the dorsum of the carpus.
He attended for massage and movement on eleven occasions and was discharged "Improved" on 10th November.
He then returned to work, having been twenty-one weeks on compensation.
The wrist still feels weak and he is not fit for the heaviest of a miner's work. There is often a soreness on the dorsum of the hand on the base of the third metacarpal. There is a/
Robert McLeod, - continued.

a prominence on the dorsal aspect of the carpus, seen especially when the hand is well palmar flexed. There is no other deformity. Dorsiflexion and palmar flexion are just appreciably impaired in range. The lateral movements at the wrist are performed with ease. There is scarcely any difference between the grips of his hands.

X Rays :- 17.4.11. The scaphoid is still displaced towards the dorsum, and the ulnar styloid still ununited.

Remarks :- This is a very rare injury and the result is not satisfactory. It would have been better to have reduced the dislocated scaphoid. Had the man attended regularly at the first, the case would have illustrated how much systematic massage and movement would have restored function. As it stands the case remains a neglected and unreduced dislocation of the scaphoid. Probably the best line of treatment now would be to remove the dislocated bone by operation. On the other hand he is not incapacitated from following the arduous occupation of a miner.
James Banner, 21.

33 Arthur Street, Edinburgh. X Ray - B 63.

Accident :- On 24th April, 1910, he injured his right thumb while boxing.

X Ray :- Bennett's fracture, at base of metacarpal of right thumb.

Treatment :- Massage and movement.
Wool and bandage.
Number of massage seances - 17.

Discharged :- 21st. May, 1910, four weeks after accident. There was then firm union and perfect movement. He had been back at his work one week before discharge.

Duration off work. :- Three weeks - no compensation.

Report :- 1.4.11.

The thumb has never troubled him since he started work again.
Appearance, movement and grasp are excellent.
The X Ray, 1.4.11 shows union in splendid position.
Stone cutter,
19 Elgin Terrace, Edinburgh.

Ernest Edwards, 29.
Card - A 3963.
X Ray - F 104.

Accident :- On 17th February, 1911, he knocked his right hand against a wall and 'staved' his thumb.

X Ray :- Transverse fracture through base of first metacarpal with slight impaction.

Treatment :- Massage and movement. Wool and bandage, figure of eight to keep thumb abducted.
Number of massage seances - 6.

Discharged:- At his own request on the 25th February, one week after accident. He felt the thumb so well that he intended starting work on the 27th February.

X Ray :- 25.2.11 was taken before his discharge as he said he had a similar accident six or seven years ago to his left hand. This was treated with a bandage and he never stopped work.
The X Ray shows a healed Bennett's fracture with new bone filling up the concavity resulting from the downward displacement of the shaft of the metacarpal.
This thumb never troubles him at all.
John Paterson, (21).  
Jeweller, 
Glen Lea, Gorgie.

Accident : -  About the 10th January, 1910, he injured his right hand while boxing. He felt pain over the head of the second meta-carpal, but continued at his work, and continued his boxing. He came to the S.O.P.D. two weeks after the accident, because of the continuance of the pain.


Treatment ?- No special treatment. He did not return.

Report : -  29.3.11.

He continued at his work, and in a month his hand was quite better so that he returned to his boxing. In December 1910 - four months ago, he injured the head of the fifth metacarpal of his right hand, but paid little or no heed to the injury. It was soon all right. Clinical examination reveals thickening over head of 2nd and 5th metacarpals, more marked over the 5th.

X Ray : -  29.3.11. Shows no evidence of the fracture of the second metacarpal. The head of the fifth is displaced slightly inwards towards middle line of hand and callus is seen uniting it to the shaft.

Remarks : -  It is remarkable that fracture of the metacarpals should cause so little discomfort and unite so well without treatment.
John Paterson.

X Ray. A105
Meter Maker, X Ray - D 192.
12 Drum Terrace, Edinburgh.

Accident :- On Friday, 14th October, 1910 while playing football, he slipped and fell on his left hand. He came to the S.O.P.D. where a fracture of the 3rd Metacarpal was diagnosed, and treated by a closed fist bandage over the week-end.

X Ray :- 13.10.10 Oblique fracture of the 3rd metacarpal at the middle of its shaft, and with no displacement.

Treatment :- Massage and movement. Wool and ordinary bandage for the hand; sling for a few days.
Number of massage seances - 11.

Discharged :- 3rd November, 1910, three weeks after accident. There was then firm union, full range of movement and no discomfort.

Report :- 10.4.11. He started work and football one week after dismissal. The hand has never troubled him. He was four weeks off work, receiving compensation from a Trades' Society. Appearance, movement and grip are excellent.

The X Ray 10.4.11. shews firm union in excellent position.

Remarks :- Here is a case of oblique fracture of a metacarpal treated without any elaborate extension apparatus and giving a perfect result without any resulting deformity.
Mrs. Renwick, 54.

59 Lauriston Street, Edinburgh. X Ray - B 103.

Accident : - On 7th May, she fell and injured her right hand.

X Ray : - Oblique fracture of shaft of fifth metacarpal, with slight over-riding of the fragments.

Treatment : - She did not come back again as she had sore legs.

She wore a bandage on the hand and continued to do her ordinary housework. The hand felt sore for about a month, but has not troubled her since then.

Examined : - 1.4.11.

The result is perfect as regards appearance and function.

The X Ray of this date shows that union has occurred with the slight amount of over-riding permanent.

Remarks : - This is a remarkably good result in an oblique fracture of a metacarpal treated by the woman herself, without any elaborate extension apparatus.
Alex. Tocher, 23.
Police Constable,
1 Lochnin Place, Edinburgh.

Accident :- On the 29th June, 1910, his left thumb was kicked in a street brawl.

X Ray :- Irregularly oblique fracture of proximal phalanx of left thumb, with outward displacement of distal fragment.

Treatment :- Massage and movement daily.
Wool and bandage.
Number of massage seances - 13.

Discharged:- 30th July, 1910 - four weeks after accident. There was then firm union in apparently good position and full movement of all the joints of the thumb.

Duration off work :- Six weeks - two of which were holidays.

Report :- 17.3.11. He felt the thumb weak at first. It is now as strong as ever it was and as freely movable.
Appearance excellent. X Ray 17.3.11 shows union in excellent position.
Henry Warren, (17),
Brewer's labourer, X Ray - A 167.
90 Grassmarket.

Accident :- About the 4th March, 1910, his left hand was crushed between two casks.
He continued at his work, but as the hand was still swollen and painful, he came to the S.O.P.D., a week after accident.

X Ray :- 13.3.10 - Oblique fracture through first phalanx of middle finger of left hand.

Treatment :- Massage and movement.
Number of massage seances - 4.

Discharged :- At his own request - 13.3.10 - two weeks after accident

Report :- 29.3.11.
He was never off his work, but it was three weeks before he had full use of his hand. It has not troubled him since.

Appearance and movement are perfect.
Henry Warren

X Ray A167